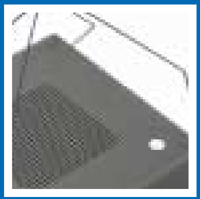
ATLAS sound®

ÿ 10.90
ÿ 12.500

Communications Products

Product Catalog



AtlasSound.com

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Atlas Sound makes every effort to avoid errors, however we reserve the right to correct typographical, photographic, clerical or printing errors, and to change specifications to improve products and/or manufacturing methods.

NEXT GENERATION STRATEGY SERIES II SPEAKER SYSTEMS—THE DEFINITIVE CHOICE FOR COMMERCIAL AND BUSINESS APPLICATIONS

In 1991, Atlas Sound shook the commercial sound industry with the introduction of the Strategy Series commercial loudspeaker systems. Strategy Series set the benchmark for "step-up" business and commercial ceiling speaker systems. Since the original Strategy Series introduction many have copied the original Strategy Series concept but few have ever come close to performance of the product that has been the choice of consultants, specifiers and contractors for years. Why? The smooth frequency response, even, wide coverage, sonically pleasing voicing and ease of installation of the Strategy Series have stood the test of time.

The Next Generation

Atlas engineers have taken all feedback received over the years for suggested enhancements to Strategy Series and employed advanced new manufacturing techniques to present Strategy Series II, a series that will once again "re-set the bar" for commercial audio ceiling speaker systems.

New models include

The **FAP42T** 70.7/100V tuned & ported 4" coaxial ceiling speaker system

The **FAP62T** 70.7/100V tuned & ported 6" coaxial ceiling speaker system

These premium 70.7/100V tuned & ported coaxial ceiling speaker packages will satisfy the needs of owners, architects, contractors, and consultants by delivering true, high fidelity sound reproduction in an attractive and easy-to-install system.

To reduce installation time and simplify ordering and specifying the FAP42T and FAP62T package ships complete with speaker/transformer factory assembled into back can, grille and unique V-rail/C-ring mounting hardware.

Atlas Sound has also addressed retrofit and **"division of labor"** installations with new "motor board" versions of the Strategy Series II :

Model **FA42T-6MB** is the entire 4" speaker/transformer/selector switch/front plate assembly found in the FAP42T assembly. The footprint of the FA42T-6MB is identical to a standard FA series 6" speaker component. This footprint allows the motor board to fit into all current Strategy Series II 6" enclosures in the exact same manner as a regular 6" FA speaker.

Model **FA62T-8MB** is the entire 6" speaker/transformer/selector switch/front plate assembly found in the FAP62T assembly. The footprint of the FA62T-8MB is identical to a standard FA series 8" speaker component. This footprint allows the motor board to fit into all current Strategy Series II 8" enclosures in the exact same manner as a regular 8" FA speaker.

FAP62T

FAP42T

C-Ring/V-Rail Mounting System

FEATURE ENHANCEMENTS INCLUDE:

- Front mounted tap selector switch for easy system tuning adjustments
- Unique "trap door" input section allows for through conduit runs with rigid or flex conduit.
- 4 Pole detachable "Phoenix" style connector allows easy pre-wiring and is convenient for daisy chaining additional Strategy Series II full range speakers or subwoofers
- "Press fit" grilles blend better into contemporary architecture
- Higher power, enhanced quality 70.7V/100V internal transformers minimize insertion loss and maintain low frequency response while providing increased output for higher SPL applications
- Extended low frequency response from the optimally tuned and ported deep drawn galvanized steel enclosure (285 cubic inches FAP42T, 475 cubic inches FAP62T)

Premium construction provides premium performance

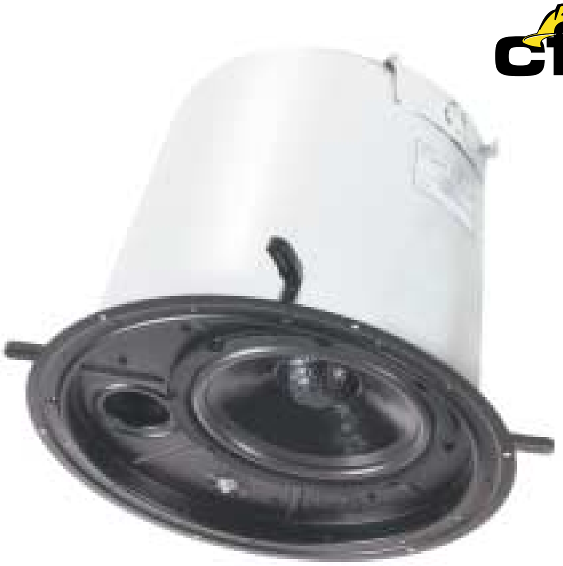
The high quality construction of the FA series drivers utilized in the FAP42T & FAP62T will provide familiar performance.

All Strategy Series II drivers feature a weather/UV resistant polypropylene cone with butyl rubber surround coupled with a 19mm PEI tweeter. Crossover components are of the highest quality providing a smooth transition between the driver components insuring even frequency response and coverage.

FA62T-8MB
Shown in FA97-8 Enclosure, with FA720-8 Grille and FA81-8 Tile Bridge

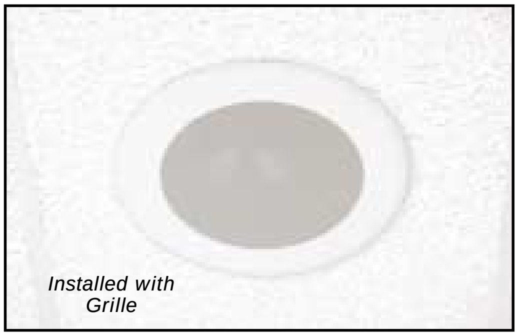
See Page 16 for more information

STRATEGY SERIES® FASUB70 IN-CEILING SUBWOOFER



FASUB70

Installed without Grille



Installed with Grille

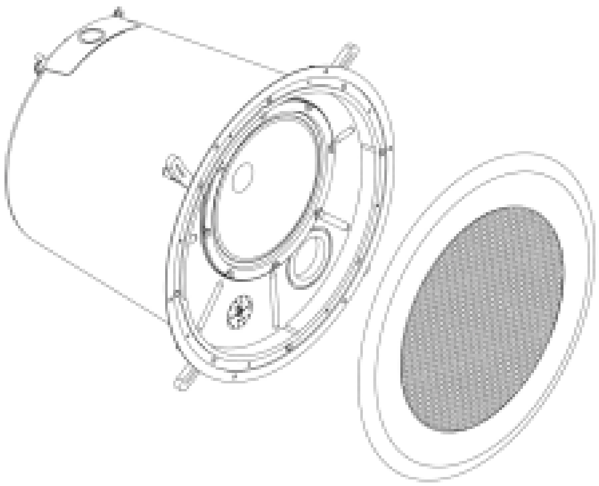
C-Ring/V-Rail Mounting System

COMPLETE ANY DISTRIBUTED 70.7V SYSTEM WITH AMAZING EXTENDED LOW FREQUENCY RESPONSE

In recent years, there has been a shift in market demand for commercial sound systems to deliver higher fidelity sound. Retail, restaurant and hospitality settings are finding that their customers are expecting the quality of their shopping or dining experience to be enhanced by music reproduced at nearly the same level of sound quality they have come to expect in their home theaters and car stereos. Business owners now realize that the excitement caused by a quality audio system can turn into increased customer satisfaction. The **FASUB70**, when used in conjunction with other Atlas Sound full-range speakers, provides great sounding background/foreground music reproduction suitable to these applications.

FEATURES

- Tuned & ported, long excursion 8" subwoofer system produces amazing extended low frequency response in any 70.7V ceiling speaker system
- Low crossover point greatly reduces localization (ability of listener to identify the subwoofer location)
- Easy installation in drop tile or sheetrock ceilings via C-ring/V-rail tile bridge and dog leg mounting system (included)
- Uniquely designed, “easy access” input panel design allows for thru conduit runs using flexible or rigid conduit
- Detachable, Phoenix style, locking, four-pole connector provides for easy daisy chain wiring
- Attractive, stud mount grille matches aesthetics of other Atlas Sound FA Series
- UL listing pending



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GREAT SOUND COME RAIN OR SHINE

Atlas Sound expands the industry standard Strategy Series® speaker line by introducing four new, weather-resistant, surface mount speaker models. Models include the Strategy Series SM52 (8 ohm) and SM52T (25/70.7/100V) 5¼", two-way speaker systems and the Strategy Series SM82 (8 ohm) and SM82T (25/70.7/100V) 8", two-way loudspeaker systems.

System components consist of highly efficient woofer sections and titanium dome high frequency devices. The SM82 series features a 1" exit compression driver, while the SM52 series features a dome style tweeter. The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. SM52 and SM82 8 ohm models feature magnetic shielding for use near video and CRT monitors.

The Strategy Series speaker systems include a versatile yet simple U-bracket designed to provide easy vertical or horizontal installation on just about any surface. Systems are available in Black or White finishes and can be painted to accommodate any architectural considerations.

SM52(T)-W

SM52(T)-B

FEATURES

- Compact, 2-way loudspeaker systems for exceptional performance in music and sound reinforcement systems
- Weather-resistant construction for year-round indoor or outdoor use: UV-resistant-talc-impregnated-polypropylene injection molded enclosure, powder coated aluminum grilles and all brass hardware inserts
- Conforms to 100HR salt spray test per ASTM B117
- Color matched heavy-duty zinc chromate plated and powder coated U-bracket (included)
- Atlas Sound TRX WAVEGUIDE™– A constant directivity style high frequency wave guide system provides accurate, even high frequency coverage (90˚H x 90˚V for the 5¼" model, and 65˚H x 65˚V for the 8" model)
- Atlas Sound POLYGUARD™ high frequency circuit diverts damaging transient signals to protect the tweeter
- Screwdriver adjustable 25/70.7V/100V transformer for distributed sound applications
- All ¼"-20 hardware inserts allow easy integration of “off-the-shelf” security hardware
- OMNIMOUNT™ compatible
- Available in black or white
- Five-year warranty

SM82(T)-W

SM82(T)-B

See Page 30 for more information

FROM AMPHITHEATERS TO ARENAS —COMPRESSION DRIVER COAXIALS ARE THE CHOICE FOR HIGH CEILING APPLICATIONS

Atlas Sound true compression coaxial loudspeakers are optimized for high-ceiling applications such as arenas, convention centers, gymnasiums and auditoriums. The extremely high efficiency and higher “Q” provide the increased available SPL often required in these high ceiling applications.

In 70.7V/100V systems this high efficiency can also result in lower tap settings, which can conserve amplifier power.

Save time and touch labor with the 8CXT60 and 12CXT60. Many products of this type require the installation of an external transformer from another manufacturer. The Atlas Sound 8CXT60 and 12CXT60 include a high efficiency built-in 60watt 70.7/100V transformer (Taps @ 7.5W, 15W, 30W & 60W). (12", 8-ohm version also available Atlas Sound Model CX12)

Both model are designed to work optimally in any Atlas Sound “Q” series high volume enclosure allowing for a complete high output solution.

8CXT60

FEATURES

- 1" Exit true compression high frequency driver coupled to a specially designed conical wave-guide horn provides exceptional output and accurate high frequency reproduction
- High efficiency cone woofer is optimally matched with a specially designed crossover to insure even transition between components
- 90 Degree conical dispersion (@ 2kHz)
- Available with factory installed 60W 70.7/100V transformer (8CXT60 & 12CXT60)
- Perfectly suited for use with Atlas Sound “Q” Series enclosures

12CXT60

See Page 21 for more information

AFFORDABLE EXCELLENCE

Use Atlas Sound's new cost effective, 8" diameter, multi-purpose, loudspeaker packages for high quality music reproduction or paging in any commercial, retail, industrial, or institutional application.

SD72

SD SERIES FEATURES

- 8" 10oz. Dual Cone Speaker With Factory Assembled High Quality 25V/70.7V Transformer Provides Familiar Response and Performance
- Choose Speaker/Transformer Only Or Complete Assembly With Attractive CRS White Powder Coat Baffle Available With Optional Center Mounted Volume Control
- All models individually packaged for stocking and ordering convenience

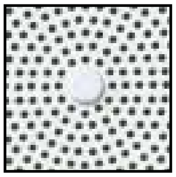
SD72 dimensions match Atlas Sound model C10AT72.

SD72W(V) matches dimensions of Atlas Sound "D" & "HV" series (62-8 Style Baffle).

Models are designed to work with a wide variety of standard Atlas Sound tile bridges & enclosures

SD72W

SD72WV



SD72W
center mounted
volume control

rear of SD72

GD SERIES FEATURES

- 8" Coaxial, 16 watt, Loudspeaker Offers Proven Performance with Extended High Frequency Response
- Factory Assembled High Quality 8 Watt 70.7V Transformer
- Choose Speaker/Transformer Only Or Complete Assembly With Attractive CRS White Powder Coat Baffle
- All models individually packaged for stocking and ordering convenience

GD87 driver dimensions match Atlas Sound model C803AT87.

The GD87W utilizes a 62-8 Style Baffle.

Models are designed to work with a wide variety of standard Atlas Sound tile bridges & enclosures

GD87

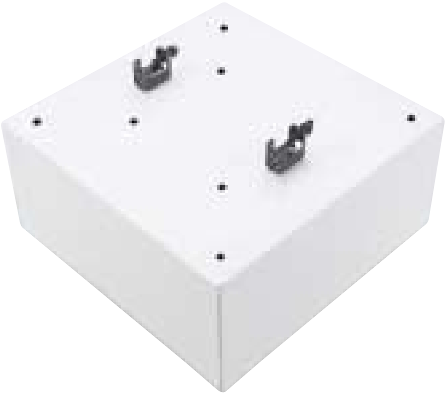
GD87W

rear of GD87

See Page 20 for more information on SD and GD items

FEATURED PRODUCTS

SQUARE BEAM MOUNTING SYSTEM (SBMS)



SBMS

LOUD AND CLEAR FOR PAGING APPLICATIONS

The SBMS is ideal for "big box" retail stores whose special design calls for an open beam ceiling. Since the goals are to get customers to pay attention to the announcements of specials and the employees to respond to general paging—intelligibility is a top design goal. The high efficiency of the specially designed 8" speaker included in the SBMS package fills this requirement.

Atlas gave the SBMS a square design, which blends in with the overall aesthetic of an open beam ceiling.

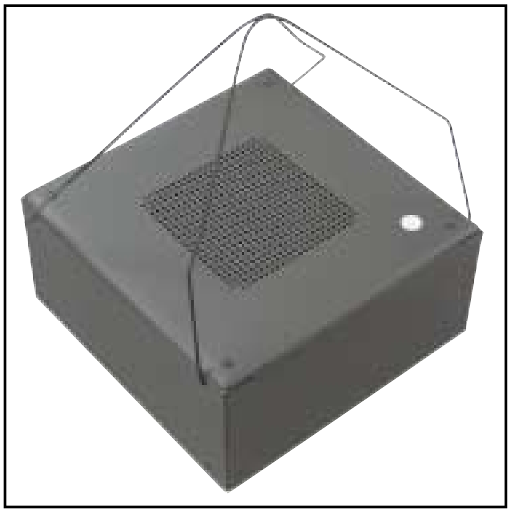
The SBMS is infinitely flexible, complying with a variety of conduit requirements. Integral knockouts facilitate ½" and ¾" conduit where required by code while an integral "romex" style connector simplifies installation for applications where conduit is not required at all. The SBMS also includes a 25V/70.7V internal transformer and is finished in neutral white epoxy for simplified stocking and ordering.

FEATURES

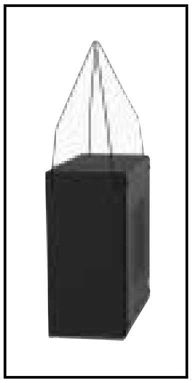
- Easy-to-Install Loudspeaker Package Includes Provisions for Fast Clamp-Mount Installation to I-Beams and Girders
- Package Includes an 8" Dual-Cone Loudspeaker with a Pre-Mounted Transformer, Baffle, and Enclosure Equipped with Clamp Mounts
- Convenient Lead Wire Extensions Assure Expedited Field Connection
- Durable White Powder Coat Finish

See Page 27 for more information

M1000 MASKING SPEAKER



M1000



WHEN PRIVACY IS PRIORITY

With a good majority of America's workplaces having adopted an open office plan, favoring a labyrinth of cubicles over traditional closed offices, conversational privacy has become an increasingly sensitive issue. A properly designed sound masking system can significantly increase speech privacy and improve the overall work environment.

The new M1000 masking speaker assembly is designed to accurately reproduce the needed spectrum of masking signal into the plenum space. The innovative 712 cubic inch square enclosure insures ample low frequency response. A specially designed 8" dual cone loudspeaker is included in the package. A high efficiency 70.7V internal transformer is coupled to an external selector switch for easy system tuning. For more precise adjustments, a wide selection of wattage taps ranging from ¼ watt to 4 watts are provided.

The exclusive Atlas Sound EZ hang brackets simplify installation. This innovative suspension system utilizes (2) collapsible galvanized hangers configured to allow quick upward or side firing installation. The hangers are factory-installed on the unit and fold flat for shipping. To meet most any local code requirement, the M1000 includes an innovative cover containing both knockouts and a strain relief. This system will allow the use of rigid or flexible conduit (if required) and easily accommodates "through" connections on the removable plate. To fit continually shrinking construction budgets, the M1000 is very aggressively priced. Contact your regional Atlas Sound representative for details.

FEATURES

- Pre-Assembled Unit Includes 8" Dia. Loudspeaker, Transformer, Enclosure, Baffle and Mounting Hardware
- Labor-Saving Hardware Package – Complete with New Snap Hanger Assembly, Allows Quick and Easy Installation
- Innovative input panel includes combination knock-out and strain relief connector to accommodate flexible or rigid conduit
- Design Enables Upward or Horizontal Sound Dispersion
- 712 Cubic Inch Enclosure for Extended Low Frequency Response
- Black Epoxy Finish Blends with Open Ceiling Plans
- Suitable for Use Above Suspended Ceiling Systems

See Page 79 for more information

SMALL FOOTPRINT BIG PERFORMANCE

Atlas Sound AT series attenuators were designed with a smaller footprint to fit easily into readily available electric outlet boxes while maintaining the highest levels of efficiency. A higher quality core (see “The Method” below) was the primary requirement to make the unit smaller and reach this design goal.

See Page 57 for more information

The Method

Steel - Atlas Sound uses grain-oriented silicon iron laminates in the New AT series attenuators. Iron can be thought of in terms of efficiency. Grain-oriented laminations carry higher magnetic flux densities and require lower magnetizing currents. If the laminations can carry a higher magnetic flux density, a smaller cross-sectional area (smaller core) is required for a given application. A smaller core leads to fewer turns of copper (wire) required to excite it. Less copper means lower resistance and lower heat. Lower heat means higher efficiency. Choosing a higher grade of transformer lamination translates, in every way, to higher efficiency in smaller designs.

Precise Transformer Windings - Atlas Sound utilizes state of the art transformer winding machines to create the most dense wire pack possible helping to create an incredibly efficient performance in the new smaller footprint.

The VPF (Vacuum Pressure Finalization) Process:

All transformers are varnished or wax dipped, but Atlas Sound AT series transformers are varnish dipped in a **vacuum**. To cure the varnish at an accelerated rate the transformers are then removed and baked at 130° C. Varnish dipping not only seals the assembly by locking the laminates, bobbin and windings in place, it also minimizes “singing.” Poorly sealed transformers produce a humming or vibrating sound when driven at near capacity. In extreme cases, one can actually hear the music through the attenuator. The sound is the result of the bobbin or windings vibrating against each other or against the steel laminates in the alternating magnetic field produced in the iron.

The Results

An amazing performance from a new compact unit poised to become the standard for the next generation of 70.7V auto-former attenuator applications

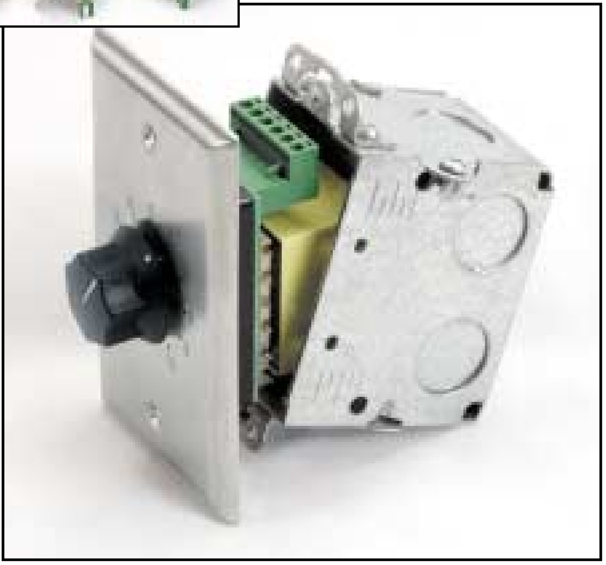
Three new Atlas Sound -RM Attenuators shown mounted on the new Atlas Sound AT Plate

See Page 61 for more information

FEATURES

- 10, 35 & 100 Watt Models Feature 3dB Positive Detent Attenuation Steps to Meet Application and Budget Requirements
- All Models Now Mount into Most 1-Gang E.O. Boxes
- Wall Plates are Stainless Steel with Stamped & Filled or Screen Printed Dial Scale, and a Skirted Black Knob (White and Ivory Plastic Plates with Matching Skirted Knobs Also Available in Decora Style)
- Popular Rack Mount Attenuator Versions are Available for Mounting onto Blank Panels in Equipment Cabinets
- Detachable “Phoenix” Style Connector for Easy Installation
- Optional “priority relay” models available
- All models include a newly designed D-shaft knob for better stability
- UL Listed

AT10, AT35, AT100



AT100 shown in standard , single-gang electrical box

See page 57 for more information

Wall Plates are Stainless Steel with Stamped & Filled or Screen Printed Dial Scale, and a Skirted Black Knob (White and Ivory Plastic Plates with Matching Skirted Knobs Also Available in Decora Style)

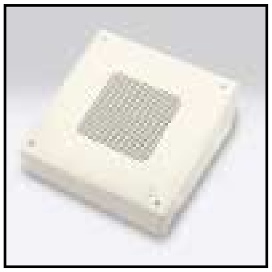
VP14 VANDAL-PROOF SPEAKER SYSTEM

VP14
Shown with wire mold adapter (included)

LEAVE WOULD-BE PERPETRATORS POWERLESS

The VP14 vandal resistant, slanted wall mount baffle, finished in attractive, neutral beige, is ideal for use in high-security areas such as schools and correctional facilities. Its sturdy, 14-gauge baffle construction and specially designed protective labyrinth screen protects the enclosed speaker assembly against abuse. Each package contains a high-quality 8" diameter loudspeaker with a 10-ounce ceramic magnet complete with factory assembled 25V/70.7V transformer including four power taps (.5, 1, 2 & 4 Watts). The VP14 exhibits a wide frequency response with low distortion.

More and more jobs in secured facilities are using surface mount raceways due to continual building expansions and retrofits. To accommodate for this, the VP14 includes an adapter to comply with Wiremold‘ 500 and 700 series conduit. This adapter can be installed securely through any of the standard ¾" knockouts that are included on all four sides of the VP14. This provides for a cleaner installation where surface mount raceways are required. All knockouts are finished completely flush before the enclosure is painted making them invisible to any would be perpetrator.



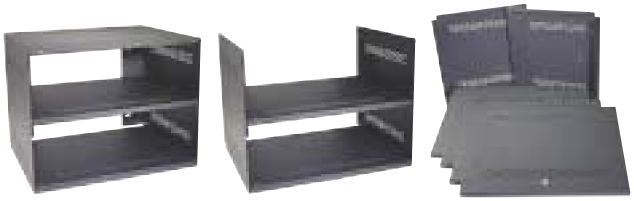
FEATURES

- Attractive Design is Suitable for Use in a Variety of Surface-Mount Vandal Proof Applications
- Wire Mould 500 & 700 series compatible
- Durable all-steel construction
- Impermeable security grille protects speaker
- Attractive finish
- 9.5° Sloped Design Offers Directional Sound Projection
- Includes High-Quality 8" Loudspeaker with 25V/70.7V Line Transformer

See Page 27 for more information

WME150 WALL MOUNT SHELF/ENCLOSURE SYSTEM

WME150



LEAVE YOUR CONFIGURATION OPTIONS OPEN

The new, extremely versatile six-piece Wall-Mount Shelf/Enclosure System shelf is easy to assemble in a variety of configurations. The set can be assembled using common tools.

FEATURES

- Ideal for use in utility closets and anywhere space is at a premium
- Six piece set is shipped flat and can be easily assembled with common tools
- Two shelf configuration with the supporting side panels, provides a sturdy shelf for a wide variety of equipment
- Four identical pieces can be used as shelves, locking door or top
- Can be configured as a locking enclosure with two shelves or as an open, two-shelf system

Whatever the installation need, contractors will find it simple and economical to install the new Atlas Sound WME150 Wall-Mount Shelf/Enclosure System.

Available in -592 Neutral White.

See Page 85 for more information

GARDEN SPEAKER

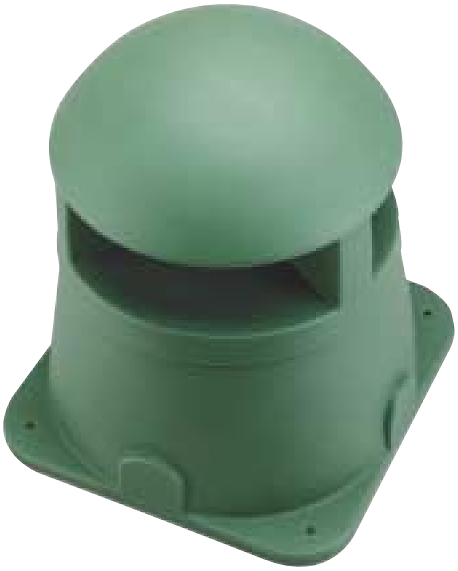
CULTIVATE GREAT SOUND

Atlas Sound is taking outdoor audio to a whole new level with its unique, new garden speakers that simplify installation and deliver deep, rich sound. They are designed to easily blend into any environment, as they are available in two different models with two different base types. One includes a short base for shallow bed or surface mounting and the other has a deeper base for in-landscape burial.

The revolutionary two-piece design allows for the following two-phase installation:

1 .Install the small or large base

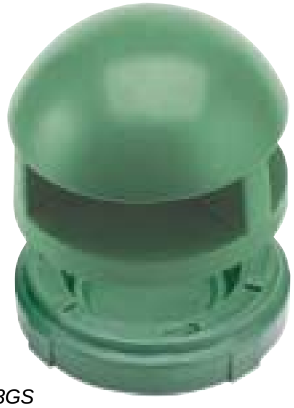
2. After initial construction is complete, install the speaker/transformer unit



ATS183GL

FEATURES

- Durable 8" coaxial speakers are great sounding with a 360˚ dispersion pattern
- Weather-resistant materials for even the most temperamental and unpredictable climates
- Convenient, adjustable 8, 16, and 32 watt taps @ 70.7V. 8 ohm version also available
- Ideal for theme parks, hotels, and any landscaped area
- Green finish



ATS183GS

The Garden Speaker is available in two base types: The shorter base for shallow bed or surface mounting (left) and the deeper base for in-ground use (above)

See Page 30 for more information

DSP-BASED SOUND MASKING GENERATOR/EQUALIZER

MG2500

The Atlas Sound MG2500 Noise Masking Processor is a digital pink-noise generator that includes a balanced line-level audio input and a 2-channel DSP processor, all in a single rack-space unit. An extended 'non-apparent' repeat time of noise (200 minutes) and output delay with distance/delay calculation, per channel helps insure the masking source will not be decoded in high security installations. The MG2500 includes two independent matrices for channel-to-channel mixing and balanced input & outputs on plug-in barrier strip connectors. Noise & audio levels, plus two channels of combined 1/3 octave & parametric equalization, EQ, gain management & delay, are adjusted via computer software (Windows 95/98/2000/XP/NT4). Sixteen presets can also be recalled via contact-closures, RS-232, or other remote control options.There are no manual controls on front panel, to prevent tampering. All programming software & serial cable included. UL Listed.

MG2500 Rear Panel Diagram
MG2500

MG2500

See Page 78 for more information

CB SERIES RACK FILLER PANELS

EXPERT PANEL AT ECONOMY PRICING

The new Atlas Sound CB series of filler panels are available in RU heights of 1space to 4 space. The durable units are constructed of 14 gauge steel punched with EIA standard mounting holes and are finished in flat black epoxy to better blend in with other rack mount equipment.

For convenient storage the CB series blanks are packaged in the new Atlas Sound blister pack system. This system allows the contractor or retail store to easily hang the CB blank on slat wall or peg board hooks. 1U and 2U models are packaged in 12 unit master packs while 3U and 4U models are packaged in 6 unit master packs for convenient ordering and stocking.

FEATURES

- All models include oblong mounting holes on E.I.A Centers
- Units are finished in flat black
- To enhance merchandising opportunities, all rack accessories have been repackaged in a distinctive Atlas Sound packaging

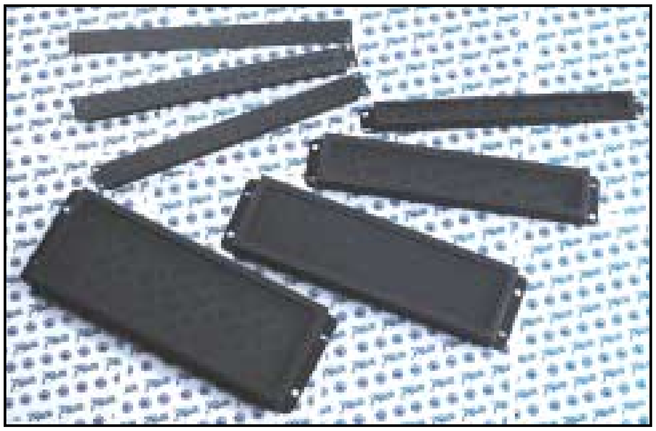
See page 95 for more information

SEC SECURITY COVERS

MAXIMUM SECURITY AT MINIMUM PRICE

Designed to eliminate unauthorized operator tampering to rack mount equipment such as equalizers and rack mount mixers. 22-gauge construction features fine perforated steel insert for good visibility. Unique radiused corners provide a professional looking installation. Formed edges protect equipment from scratches. Available in 1U to 3U heights.

See page 95 for more information



TE SERIES TRIPOD MIC STANDS

THE MUSICIAN'S CHOICE

Atlas Sound's next generation of Musician Series tripods are lightweight, styled stands that offer the fit and feel of tripods costing considerably more.

TE-E is an all-purpose tripod. The full height stand extends from 37" to 65" and includes an all-new three-piece clutch design with a highly durable metal clutch barrel. Tripod legs attach to a metal retainer assembly that includes a thumbscrew/brake system to provide secure positioning and prevent tube marring. Tube assemblies are durable CRS construction terminated in the industry standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 5½ lbs.

Versatile, low-cost **BE-E** boom features adjustable-length positioning for extended mic range applications. The two-piece boom extends 24"-39". Includes a molded plastic handle, metal swivel clamp with protective rubber insert, and an easy-grip knob for vertical alignment. Adjustment for the main and extension boom includes a thumbscrew /brake system to provide secure positioning and prevent tube marring. Tube assemblies are manufactured of CRS and terminate in standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 2 lbs.

TEB-E tripod/boom combination features the BE-E removable, telescopic boom to provide microphone extension from 24" to 39". It includes a molded plastic handle, metal swivel clamp with protective rubber inserts and an easy-grip knob for vertical alignment. Adjustment for the main and extension boom include a thumbscrew/brake system to provide secure positioning and prevent tube marring. Tube assemblies are manufactured of CRS and terminate in the standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 7½ lbs.

TEB-E

BE-E

TE-E

FEATURES

- All new models redesigned for better durability
- Full height of 65" allows for various microphone stand application requirements
- Easy-locking legs tighten with a single motion for fast set-up and tear down
- New three-piece clutch has protective insert for secure scratch-free positioning
- Clutch barrel constructed of die-cast metal
- Tripod leg attachment cup constructed of die-cast metal (not plastic!)
- "Brake" mechanism on all adjustment points offers secure positioning —eliminates tube marring
- New and improved model BE-E telescopic boom included with TEB-E package

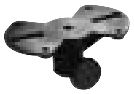
See page 104 for more information

SS500E SPEAKER STAND

THE PERFORMER'S CHOICE

Designed for easy transportability, set-up and tear down, the new heavy-duty Model **SS500E** aluminum speaker stand weighs a mere 7 lbs. and supports up to 150 lbs! Additionally, the stand folds to a minimal 53" making it a great portable stand for use in churches, schools, and theaters. Height adjusts from 54" to 85" for versatile positioning and support of sound, monitor, and control equipment. The SS500E is equipped with a positive clamping system complete with a safety support pin to assure safe, slip-free support of elevated equipment. Vertical tube assembly contains 1½" and 1⅜" tubing. Clutch mechanism includes a protective insert for scratch-free height adjustment. Legs are double braced and include heavy-duty rubber feet for extra stability. Universal platform style top adapter.

Model **SSA-7** (available separately) is offered to mount a variety of equipment sizes that do not include tripod sockets. Material is molded plastic in satin ebony (E) finish.



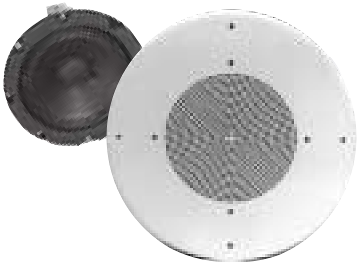
SSA-7

SS500E

FEATURES

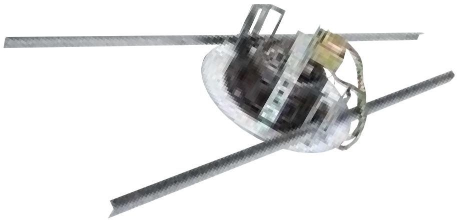
- Heavy-duty aluminum speaker stand weighing 7 lbs. supports up to 150 lbs.
- Folds to a minimal 53" for convenient transport
- Height adjusts from 54" to 85" for vertical flexibility
- Positive clamping system features a safety support pin for extra safety

See page 104 for more information



GOOD QUALITY
4" PRE-ASSEMBLED BAFFLE, LOUDSPEAKER AND TRANSFORMER

B51-4 – FC104 speaker with T72 Xfmr and 51-4



GOOD QUALITY
COMBINATIONS AS SHOWN ABOVE PLUS E-Z MOUNT LOUDSPEAKER FEATURE

EZB51-4 – FC104 speaker with T72 Xfmr and T51-4 Grille

BETTER QUALITY
4" SPEAKER TRANSFORMER PACKAGE WITH AN E-Z MOUNT ENCLOSURE

FC104T47 – FC104 speaker with 70.7V-4W xfmr

51-4 – White Grille

EZ96-4– Easy-Mount Enclosure

BETTER QUALITY
4" COMBINATIONS AS SHOWN ABOVE WITH PRE-MOUNTED BAFFLE/SPEAKER/ TRANSFORMER

BT720-4-T47 – FC104 speaker with 70.7V-4W xfmr

EZE410 – Easy-Mount Enclosure

PREMIUM QUALITY 4" MUSIC & PAGING

FA134T87 – Strategy Series® coaxial speakers with 70.7V-4W xfmr
FA720-4 – Strategy Series white fine-mesh grille
FA97-4 – Strategy Series 7⅝"D enclosure with mounting clamps
FA81-4 – Tile bridge

Also available in a convenient factory assembled package:
FAP134T87-720

BETTER QUALITY 6" MUSIC & PAGING

FA116T72 – Strategy Series® full-range speaker with 25/70.7V-4W xfmr
FA51-6 – Strategy Series grille
FA95-6 – Strategy Series 6⅛" D enclosure withmounting clamps
FA81-6 – Tile bridge

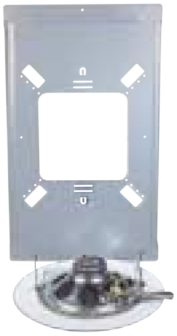
PREMIUM QUALITY 6" MUSIC & PAGING

FA136T87 – Strategy Series® coaxial speaker with 70.7V-8W xfmr
FA720-6 – Strategy Series white fine-mesh grille
FA97-6 – Strategy Series 7⅝" D enclosure with mounting clamps
FA81-6 – Tile bridge

Also available in a convenient factory assembled package:
FAP136T87-720

BASIC QUALITY
8" EZ MOUNT PRE-ASSEMBLED BAFFLE, LOUDSPEAKER AND TRANSFORMER

EZFD72W – Loudspeaker with 25/70.7V-4W Xfmr W/white EZ grille



BASIC QUALITY
8" PRE-ASSEMBLED TORSION MOUNT BAFFLE, LOUDSPEAKER AND TRANSFORMER PLUS BRIDGE

TFD72WC – Loudspeaker with 25/70.7V-4W Xfmr,
T62-8 white EZ grille

81-8S – T-bar bridge

BASIC QUALITY
8" PRE-ASSEMBLED TORSION MOUNT BAFFLE, LOUDSPEAKER AND TRANSFORMER PLUS EZ MOUNT ENCLOSURE

TFD72WC– Loudspeaker with 25/70.7V-4W Xfmr,
T62-8 white EZ grille

EZ95-8 – Enclosure

GOOD QUALITY
8" EZ MOUNT PRE-ASSEMBLED BAFFLE, LOUDSPEAKER AND TRANSFORMER

EZHD72W – Loudspeaker with 25/70.7V-4W Xfmr with
T51-8 white EZ grille

GOOD QUALITY
8" PRE-ASSEMBLED BAFFLE, LOUDSPEAKER AND TRANSFORMER

HD72W – Loudspeaker with 25/70.7V-4W Xfmr with
T51-8 white EZ grille

CS95-8 – Enclosure

81-8R – T-bar bridge

GOOD QUALITY
8" PRE-ASSEMBLED BAFFLE, LOUDSPEAKER AND TRANSFORMER PLUS EZ MOUNT ENCLOSURE

THD72WC – Loudspeaker with 25/70.7V-4W Xfmr,
T62-8 white EZ grille

EZ95-8 – Enclosure

BETTER QUALITY
8" TORSION MOUNT PAGING AND MUSIC

C803AT47 – Coaxial speaker with 70.7V-4W xfmr
T51-8 – Torsion baffle
T95-8 – Enclosure
81-8R – Tile bridge

BETTER QUALITY
8" TORSION MOUNT PAGING AND MUSIC

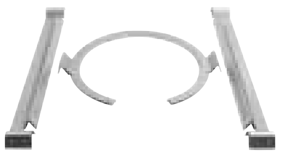
C803AT47 – Coaxial speaker with 70.7V-4W xfmr
T62-8 – Torsion baffle
T95-8 – Enclosure
81-8R – Tile bridge

PREMIUM QUALITY
8" MUSIC & PAGING

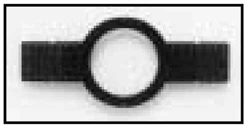
FA138T87 – Strategy Series® coaxial speakers with 70.7V-4W xfmr
FA720-8 – Strategy Series white fine-mesh grille
FA97-8 – Strategy Series 7⅝" D enclosure with mounting clips
FA81-8 – Tile bridge

FAP62T

FAP42T



C-Ring/V-Rail
Mounting System



FAP42-TR

2ND GENERATION STRATEGY SERIES II SPEAKER SYSTEMS MAINTAIN LEGENDARY PERFORMANCE WITH ENHANCED

- Extended low frequency response from the optimally tuned and ported deep drawn galvanized steel enclosure. (285 cubic inches FAP42T, 475 cubic inches FAP62T)
- Easy installation in drop tile or sheetrock ceilings via C-ring/V-rail tile bridge and "dog leg" mounting system (Included)
- Front mounted tap selector switch for easy system tuning adjustments
- Unique "trap door" input section allows for through conduit runs with rigid or flex conduit.
- 4 Pole detachable "Phoenix" style connector allows easy pre-wiring and is convenient for daisy chaining additional Strategy Series II full range speakers or subwoofers
- "Press fit" grille blends better into contemporary architecture.
- Enhanced quality 70.7V/100V internal transformers minimize insertion loss and maintain low frequency response while providing increased output for higher SPL applications
- UL Listing Pending

General Description

The new Strategy Series II premium 70.7/100V tuned & ported coaxial ceiling speaker packages will satisfy the needs of owners, architects, contractors, and consultants by delivering true, high fidelity sound reproduction in an attractive and easy-to-install system. These High performance systems are perfectly suited for many business music and public address applications. Compact profile enclosures and wide dispersion make the FAP42T & FAP62T a perfect choice for low ceilings.

The loudspeaker's components match the performance of the legendary Atlas Sound Strategy Series II FA Series.

High quality construction of the 1" voice coil cone type drivers include polypropylene cones with a butyl rubber surround. The19mm coaxially mounted tweeter is constructed of durable PEI. The high sensitivity of the loudspeaker means less power may be required to achieve the desired SPL. The loudspeakers are factory assembled to an optimally tuned & ported deep drawn enclosure and include a specially designed low saturation 70.7V/100V transformer. A convenient front mounted switch allows tap selection without the need to remove the speaker from the ceiling. Uniquely designed "easy access" input panel design allows for "thru" conduit runs using flexible or rigid conduit. A detachable Phoenix style locking four-pole connector provides for easy daisy chain wiring to other full range loudspeakers or Atlas Sound FASUB70 subwoofers. Attractive press-fit grille better matches contemporary architecture.

Mounting is simplified with Strategy Series II style "dog leg" tabs that allow easy installation into drop tile or drywall ceilings with provided tile bridge assembly.The tile bridge consists of (2) triangular formed mounting rails and a c-ring assembly.

The c-ring can be attached to the rails with the screws provided to extend support to the t-bar grid in suspended ceiling applications. Multiple hole locations are provided to allow the c-ring to be positioned all the way to the outer edge the tile if necessary.

For existing dry-wall applications the tile bridge c-ring and support rails can be inserted into the hole cut for the enclosure. For easy positioning the "V" shaped support rails match the shape of the C-ring tabs for easy maneuvering and location when working "blindly" above the deck.

For new construction drywall ceiling applications, an optional trim ring is available. This unit provides a marked location for drywall installers to cut around essentially reserving the desired location in the ceiling until final installation of loudspeaker. Mounting holes are provided to accommodate 16" or 24" OC stud/joist mounting.

Use model **FAP42-TR** new construction ring for model FAP42T.

Use model **FAP62-TR** new construction ring for model FAP62T.

A support ring is also provided on the top of the enclosure to facilitate an auxiliary support cable.

Each of the new Strategy Series II packages contains two speaker/transformer/enclosure assemblies, along with two grilles and tile bridges.

PERFORMANCE SPECIFICATIONS BY MODEL

MODEL	SPKR	SENSITIVITY	XFMR	TRANSFORMER TAPS	ENCLOSURE VOLUME	SYS FREQ RESP ±5dB	CUT-OUT DIMENSION
FAP42T	FA134	88dB Avg/ 92dB Peak	16 Watt @ 70.7/100V	1,2,4,8 & 16 Watts	285 Cubic In.	65 Hz to 20 kHz	8.9" (226mm)
FAP62T	FA136	88dB Avg/ 91dB Peak	32 Watt @ 70.7V/100V	1,2,4,8,16 & 32 Watts	475 Cubic In.	55 Hz to 20 kHz	10.9" (277mm)

STRATEGY SERIES® II “MOTOR BOARD” ASSEMBLIES

Atlas Sound has also addressed retrofit and **“division of labor”** installations with new “motor board” versions of the Strategy Series II :

Model **FAP42T-6MB** is the entire 4" speaker/transformer/selector switch/front plate assembly found in the FAP42T assembly. The footprint of the FAP42T-6MB is identical to a standard FA series 6" speaker component. This footprint allows the motor board to fit into all current Strategy Series II 6" enclosures in the exact same manor as a regular 6" FA speaker.

Model **FAP62T-8MB** is the entire 6" speaker/transformer/selector switch/front plate assembly found in the FAP62T assembly. The footprint of the FAP62T-8MB is identical to a standard FA series 8" speaker component. This footprint allows the motor board to fit into all current Strategy Series II 8" enclosures in the exact same manor as a regular 8" FA speaker.

Model	Speaker	Sensitivity	Transformer	Transformer Taps	Matches Enclosure
FAP42T-6MB	**FA134**	88dB Avg/92dB Peak	16 Watt @ 70.7/100V	1,2,4,8 & 16 Watts	FA95-6, FA97-6
FAP62T-8MB	**FA136**	88dB Avg/91dB Peak	32 Watt @ 70.7V/100V	1,2,4,8,16 & 32 Watts	FA95-8, FA97-8

FAP62T-8MB
Shown in FA97-8 Enclosure, with
FA720-8 Grille and FA81-8 Tile Bridge

FASUB70

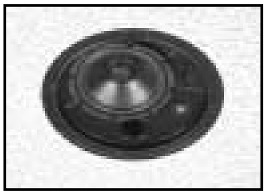
FASUB70

In recent years, there has been a shift in market demand for commercial sound systems to deliver higher fidelity sound. Retail, restaurant and hospitality settings are finding that their customers are expecting the quality of their shopping or dining experience to be enhanced by music reproduced at nearly the same level of sound quality they have come to expect in their home theaters and car stereos. Business owners now realize that the excitement caused by a quality audio system can turn into increased customer satisfaction. The **FASUB70**, when used in conjunction with other Atlas Sound full-range speakers, provides great sounding background/foreground music reproduction suitable to these applications.

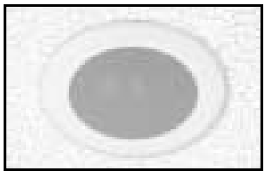
- Tuned & ported, long excursion 8" subwoofer system produces amazing extended low frequency response in any 70.7V ceiling speaker system
- High efficiency, passive crossover network eliminates the need for dedicated amplification & active crossover
- Low crossover point greatly reduces localization (ability of listener to identify the subwoofer location)
- Easy installation in drop tile or sheetrock ceilings via C-ring/V-rail tile bridge and dog leg mounting system (included)
- Uniquely designed, “easy access” input panel design allows for thru conduit runs using flexible or rigid conduit
- Detachable, Phoenix style, locking, four-pole connector provides for easy daisy chain wiring
- Attractive, stud mount grille matches aesthetics of other Atlas Sound FA Series
- UL listing pending

FASUB70 SPECIFICATIONS	
Woofer Size	8" (203mm)
Transformer Taps at 70.7V	7.5W, 15W,30W, 60W
Power Handling (transformer limited)	200 Watts Peak, 100 Watts RMS
Sensitivity (1W/1M)	89dB Average
Frequency Response	45Hz to 120Hz(±10dB), 55Hz to 100Hz(±6dB)
Dispersion	Omni
Low Pass filter	Two Pole Design 12dB/Octave @ 120 Hz
Magnet Weight	Nominal, 20 oz. (580g)
VC Diameter	1"
VC Material	Copper
VC Former Material	Kapton
Cut-out diameter	13¼" (337 mm)
Dimensions	12 11/16" (323mm)H x 14" (356mm)Dia.
Weight	14½lbs (6.57kg)

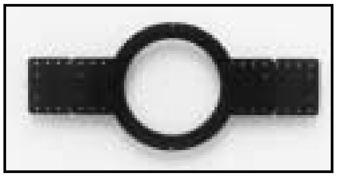
FASub70



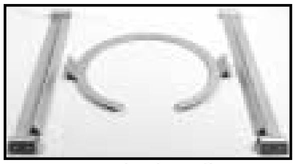
Installed without Grille



Installed with Grille



FA-TRSUB

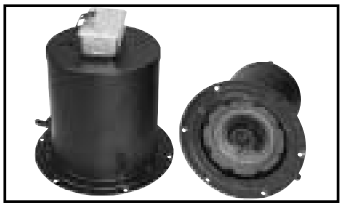


C-Ring/V-Rail
Mounting System

General Description. Strategy Series loudspeaker systems (U.S. Patent #5206464) uniquely combine full-frequency response, cost-efficiency, aesthetics, and easy installation into one complete assembly. Strategy Series systems are offered in 4", 6" and 8" sizes enabling owners, architects, contractors, and consultants to meet varying sound system requirements. UL 1480 listed for general signaling (non-fire) when used in combination with UL listed enclosures and baffles. For UL Classified fire-rated versions see page 48.

PRE-ASSEMBLED STRATEGY SERIES

The Strategy Series speaker packages are designed for the contractor who wants to install premium-quality, state-of-the-art products, in a simple to order, simple to install package. The speaker and back can come pre-assembled–simply take them out of the box and install! Each package contains 2-tile bridges, 2-attractive 720 series grilles and 2-speaker/can assemblies. 70.7 Volt versions include the highly efficient HT87 8 watt transformer pre wired and terminated to a BX box. Also available in 8 ohm.



Pre-Assembled
Strategy Series Packages

MODEL	SPEAKER	POWER	XFMR	ENCLOSURE	BAFFLE	TILE BRIDGE
FAP134T87-720	FA134	25 Watts	HT87	FA97-4	FA720-4	FA81-4
FAP136T87-720	FA136	50 Watts	HT87	FA97-6	FA720-6	FA81-6
FAP138T87-720	FA138	100 Watts	HT87	FA97-8	FA720-8	FA81-8
FAP134-720	FA134	25 Watts	8 Ohm	FA97-4	FA720-4	FA81-4
FAP136-720	FA136	50 Watts	8 Ohm	FA97-6	FA720-6	FA81-6
FAP138-720	FA138	100 Watts	8 Ohm	FA97-8	FA720-8	FA81-8

STRATEGY SERIES SYSTEM COMPONENTS

- **Loudspeakers**. Choose from 4", 6" and 8" coaxial or full-range models.
- **Enclosures.** Easy-to-install, front-loading enclosures secure with adjustable clamps.
- **Grilles.** Architecturally pleasing grilles push-mount for easy, hardware-free installation.
- **Mounting Accessories.** Choose tile bridge, plaster/mounting ring or rough-in trim ring.

STRATEGY SERIES LOUDSPEAKERS

4" System

FA134
+ FA720-4
+ FA97-4

6" System

FA136
+ FA720-6
+ FA97-6

FA134/FA114 — 4" Loudspeakers. Strategy Series 4” loudspeakers are ideal for low-ceiling, low-profile applications where high-fidelity and broad dispersion are required. The FA134 is the industry’s first UL listed coaxial 4” loudspeaker. It features a polypropylene cone with a SBR surround, a ?” post-mounted dome tweeter, and a 10 oz. magnet to handle 25 watts with excellent low frequency reproduction and smooth extended response. Model FA114 is a 10 watt, full-range loudspeaker equipped with a paper cone and 10 oz. magnet.

FA136/FA116 — 6" Loudspeakers. The six-inch Strategy Series loudspeakers combine the high performance of an eight-inch loudspeaker with the wide-dispersion of a four-inch. Coaxial 50 watt model FA136 delivers excellent fidelity and response. Unit is UL listed and features a polypropylene cone woofer, 14 oz. magnet, SBR surround, and a ?” post-mounted dome tweeter with PEI diaphragm for outstanding weather-resistant performance. Full-range Model FA116 is a 25 watt loudspeaker comprised of a 6” driver, weather-resistant dual paper cones, half-rolled polyether foam surround, and 10 oz. ceramic magnet.

FA138/FA118 — 8" Loudspeakers. High-performance and extended sound pressure levels make the Strategy Series 8” loudspeakers ideal for prestigious venues or high/vaulted-ceiling applications. The 100 watt, FA138 is Atlas-Sound’s premium 8” coaxial loudspeaker. It is UL listed and incorporates a polypropylene cone woofer, a SBR surround, a 11⁄2” vented KaptonÆ voice coil, a 21 oz. magnet, and a 3/4” PEI dome tweeter for clean and powerful weather-resistant performance. The full-range, 25 watt, FA118 includes an 8” driver, a self-edge weather-resistant dual paper cone and a 10 oz. magnet.

PERFORMANCE SPECIFICATIONS BY SYSTEM (Measured in FA97 Series enclosure)				
MODEL	**FREQ. RESP.**	**IMPEDANCE (NOM.)**	**POWER RATING**	**SENSITIVITY (1W/1M)**
FA114	150 Hz-17 kHz	8 Ohm	10 Watts	89.6dB Avg./94dB Peak
FA134	110 Hz-20 kHz	8 Ohm	25 Watts	88dB Avg./92dB Peak
FA116	90 Hz-20 kHz	8 Ohm	25 Watts	89.6dB Avg./94dB Peak
FA136	80 Hz-20 kHz	8 Ohm	50 Watts	88dB Avg./91dB Peak
FA118	80 Hz-18 kHz	8 Ohm	25 Watts	95dB Avg./98.5 Peak
FA138	75 Hz-20 kHz	8 Ohm	100 Watts	89.5dB Avg./93dB Peak

8" System

FA138
+ FA720-8
+ FA97-8

LOUDSPEAKER SPECIFICATIONS								
MODEL SPKR-XFMR	XFMR VOLTS	XFMR PRI TAPS	SIZE	TYPE	*DIS-PERSION	MAG. WEIGHT	V.C. DIA.	CROSS OVER
★ FA114	—	—	4" (102mm)	Full Range	135°	10 oz. (264g)	1" (25mm)	NA
★ FA114T72	25/70.7V	.5, 1, 2, 4						
★ FA134	—	—	LF: 4" (102mm) HF: ½" (13mm)	Coaxial	130°	10 oz. (264g)	1" (25mm)	8 kHz
★ FA134T47	70.7 (25)	.5, 1, 2, 4						
★ FA134T87	70.7	1, 2, 4, 8						
★ FA116	—	—	6" (152mm)	Full Range	130°	10 oz. (264g)	1" (25mm)	NA
★ FA116T72	25/70.7V	.5, 1, 2, 4						
★ FA116T100	100V	.5, 1, 2, 5						
★ FA136	—	—	LF: 6" (152mm) HF: ½" (13mm)	Coaxial	130°	14 oz. (398g)	1" (25mm)	5 kHz
★ FA136T47	70.7 (25)	.5, 1, 2, 4						
★ FA136T87	70.7	1, 2, 4, 8						
★ FA136T810	100V	1, 2, 4, 8						
★ FA118	—	—	8" (203mm)	Full Range	100°	10 oz. (264g)	1" (25mm)	NA
★ FA118T72	25/70.7V	.5, 1, 2, 4						
★ FA138	—	—	LF: 8" (203mm) HF: ½" (13mm)	Coaxial	110°	21 oz. (580g)	1.5" (38mm)	3.4 kHz
★ FA138T47	70.7 (25)	.5, 1, 2, 4						
★ FA138T87	70.7	1, 2, 4, 8						
★ FA138T167	70.7	4, 8, 16						
FA138T327	70.7	4, 8, 16						

Kevlar® is a Registered Trademark of E.I. Du Pont De Nemours and Company. * Measured in FA97 Series Enclosure.

★ c UL us LISTED General signaling (1480 non-fire) includes all speaker/transformer combinations (except models with HT-82) when used with a UL listed enclosure and baffle. UL classified versions for use in FR Series fire-rated systems are shown on page 34.

STRATEGY SERIES ENCLOSURES

★ c UL US LISTED

FA97 Series/FA95 Series. Acoustically matched and treated backboxes allow Strategy Series loudspeakers to perform with optimum resonance-free operation. Standard units include three, easy-to-adjust clamps that rotate and secure with a screwdriver into ceilings up to 1¼" thick. They may also be installed by conventional screw mounting if desired. Models are offered in 4", 6" and 8" sizes in volume and economy versions. Volume Model Series FA97 and Economy Model Series FA95 are 22-gauge CRS, undercoated and equipped with four threaded loudspeaker inserts and three grille-stud receptacles. Both are finished in black epoxy. FA97 Series is lined with 5⁄16" thick high-density acoustic batting for superior full-range music performance.

RECESSED ENCLOSURE DIMENSIONS BY SYSTEM*								
	FA95(NK)**				FA97***(NK)**			
SYSTEM NAL SIZE	ENCL. DIA.	ENCL. DEPTH	FLANGE DIA.	INTERNAL VOLUME	ENCL. DIA.	ENCL. DEPTH	FLANGE DIA.	INTER VOLUME
4"	5⅜" (137mm)	6⅛" (156mm)	7 9⁄16" (192mm)	.08 ft³	5⅜" (137mm)	7⅝" (194mm)	7 9⁄16" (192mm)	.10 ft³
6"	7" (178mm)	6⅛" (156mm)	9⅜" (238mm)	.14 ft³	7" (178mm)	7⅝" (194mm)	9⅜" (238mm)	.17 ft³
8"	8½" (216mm)	6⅛" (156mm)	10⅞" (276mm)	.20 ft³	8½" (216mm)	7⅝" (194mm)	10⅞" (276mm)	.25 ft³

* When ordering, suffix model with system size — ie: FA95NK-4 ** (NK) = Models Without Knockouts
*** FA97 Series only is recommended for use with coaxial speaker series FA134, FA136, and FA138

STRATEGY SERIES GRILLES

c UL US LISTED

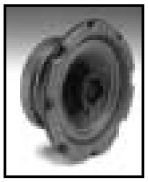
FA51/FA170/FA720/FA730. Choose from round Model Series FA51, FA720, FA730 and unique square Model Series FA170 to provide a clean and hardware-free appearance. All grilles are equipped with three, welded and serrated studs for push-on installation to Strategy Series enclosures or mounting rings. Suffix model with (-4), (-6) or (-8) to match system components.

GRILLE	GRILLE DIMENSIONS BY SYSTEM*		
MODEL	4"	6"	8"
FA51	7⅞" Dia. x 5⁄16" Proj. (216 x 8mm)	9⅝" Dia. x 5⁄16" Proj. (245 x 8mm)	11⅛" Dia. x 5⁄16" Proj. (283 x 8mm)
FA170	9¾" SQ. x 5⁄16" Proj. (248 x 8mm)	10⅛" SQ. x 5⁄16" Proj. (257 x 8mm)	11¼" SQ. x 5⁄16" Proj. (286 x 8mm)
FA720	7⅞" Dia. x 5⁄16" Proj. (216 x 8mm)	9⅝" Dia. x 5⁄16" Proj. (245 x 8mm)	11⅛" Dia. x 5⁄16" Proj. (283 x 8mm)
FA730	7⅞" Dia. x ½" Proj. (216 x 13mm)	9⅝" Dia. x ½" Proj. (245 x 13mm)	11⅛" Dia. x ½" Proj. (283 x 13mm)

* When ordering, suffix model with system size — ie: FA51-4.

★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling “plenum” spaces.

FA114T72


FA134

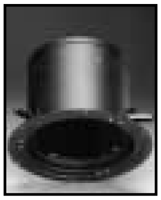
FA116

FA136

FA118T72

FA138

FA97-6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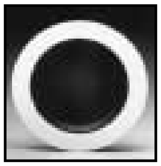
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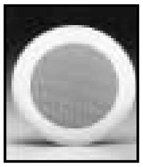
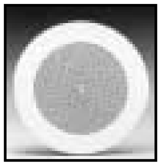
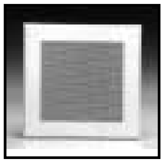
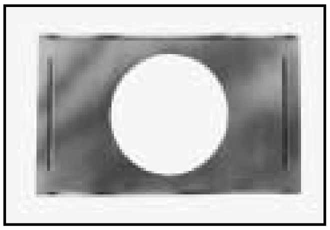

FA720-6


FA51-6

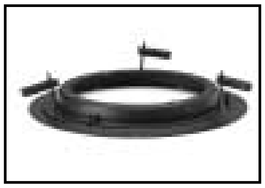

FA170-6

STRATEGY SERIES MOUNTING ACCESSORIES (OPTIONAL)

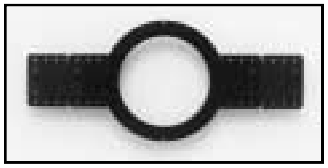

FA81-8

FA81-4/FA81-6/FA81-8. Tile bridges are designed to prevent ceiling tile sag by distributing the loudspeaker assembly weight to the ceiling's support members. Model Series FA81 is offered in 4", 6" and 8" sizes and accepts both the FA95 Series and FA97 Series enclosures. It also mounts the FAPR Series plaster/mounting rings. Models are constructed of 24-gauge electro-galvanized steel.

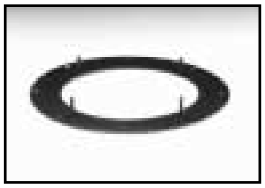
DIMENSIONS				
MODEL	**CUT-OUT**	**LENGTH**	**WIDTH**	**DEPTH**
FA81-4	6½" (163mm)	23⅝" (600mm)	14⅛" (359mm)	¼" (6mm)
FA81-6	8⅛" (206mm)	23⅝" (600mm)	14⅛" (359mm)	¼" (6mm)
FA81-8	9¾" (248mm)	23⅝" (600mm)	14⅛" (359mm)	¼" (6mm)


FAPR-6

FAPR-4/FAPR-6/FAPR-8. Plaster/mounting rings are used to mount Strategy Series 4", 6" and 8" loudspeakers into ceilings and walls for applications where a backbox cannot be used, or where it is not desired. (NOTE: The mounting configuration of Strategy Series requires that an enclosure or plaster mounting ring be used to mount both the loudspeaker and the grille). Units are constructed with the same internal mounting flange as Series FA95 and FA97 enclosures to accommodate ceiling/wall thickness up to 1¼". Rings may be used to mount non-transformer equipped loudspeaker models into walls having a min. depth of 3½" and transformer-equipped models into walls with a minimum depth of 5⅛" (measured from the front of the mounting surface to the rear of the inside mounting area). Series FAPR is constructed of 20-gauge CRS and finished in textured black epoxy. It is equipped with four threaded inserts for loudspeaker installation and three stud receptacles for mounting Strategy Series series Series grilles. Cut out dimensions are; FAPR-4 – 6½" (163mm)/FAPR-6 – 8 15⁄16" (227mm) FAPR-8 – 9¾" (248mm).


FA-TR6

FA-TR4/FA-TR6/FA-TR8. Trim ring/rough-in brackets are offered in three sizes to allow for easy installation of enclosures or plaster/mounting rings for Strategy Series 4", 6" and 8" loudspeakers in walls or ceilings. Units install prior to drywall installation and serve as a pattern cut-out for the drywall contractor. This time-saving step identifies pre-wire location, expediting installation. Trim ring mounting ears span 25⅝" W and will accommodate ⅜" to 1¼" thick drywall. Mounting holes are provided to match both 16" and 24" stud centers. Finish is black epoxy.


FAMT-6

FAMT-6. Mounting ring/adapter for retrofit applications allows a 6" cone or horn loudspeaker to mount an 8" enclosure and/or baffle.

8" AND 12" LOUDSPEAKER DRIVERS

NEW SPEAKER PACKAGES SD & GD

NEW

Use Atlas Sound's new cost effective, 8" diameter, multi-purpose, loudspeaker packages for high quality music reproduction or paging in any commercial, retail, industrial or institutional application.

NEW

SD72

SD72 Features

- 8" 10oz Dual Cone Speaker
- Factory Assembled High Quality 25V/70.7V Transformer
- Provides Familiar Response & Performance

NEW

GD87

GD87 Features

- 8" Coaxial, 16 watt, Loudspeaker Offers Proven Performance with Extended High Frequency Response
- Factory Assembled High Quality 8 watt 70.7V Transformer

Model	XFMR	Primary Taps (Watts)	Insertion Loss	Speaker Type	Magnet Weight	Sensitivity 1W/1M	Freq Resp (±5dB)
SD72	25V/70V	.25,.5,1,2 & 5	1.5dB	8" Dual Cone	10 oz(260g)	97dB	65Hz to 20 kHz
GD87	70.7V	1,2,4 & 8	.6dB	8" Coaxial	10 oz(260g)	98dB	60Hz to 20 kHz\

Both models are designed to work with a wide variety of standard Atlas Sound tile bridges & enclosures:

SD72 Dimensions match Atlas Sound model C10AT72

GD87 Dimensions match Atlas Sound model C803AT87

All models individually packaged for stocking and ordering convenience

8" AND 12" COMPRESSION DRIVER COAXIAL SPEAKERS

8CXT60, 12CX & 12CXT60. NEW

- 1" Exit true compression high frequency driver coupled to a specially designed conical wave-guide horn provides exceptional output & accurate high frequency reproduction
- High efficiency cone woofer is optimally matched with a specially designed crossover to insure even transition between components
- 90 Degree conical dispersion (@ 2kHz)
- Available with factory installed 60W 70.7/100V transformer (8CXT60 & 12CXT60)
- Perfectly suited for use with Atlas Sound “Q” Series enclosures

Atlas Sound true compression coaxial loudspeakers are optimized for high-ceiling applications such as arenas, convention centers, gymnasiums and auditoriums. The extreme high efficiency and higher “Q” provide the increased available SPL often required in these high ceiling applications.

In 70.7V/100V systems this high efficiency can also result in lower tap settings, which can conserve amplifier power.

Save time and touch labor with the 8CXT60 & 12CXT60 Many products of this type require the installation of an external transformer from another manufacturer. The Atlas Sound includes a high efficiency built-in 60watt 70.7/100V transformer (Taps @ 7.5W, 15W, 30W & 60W). (12", 8-ohm version also available Atlas Sound Model CX12)

Both model are designed to work optimally in any Atlas Sound “Q” series high volume enclosure allowing for a complete high output solution.

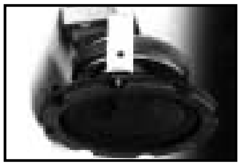
NEW

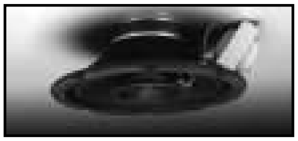
8CXT60

NEW

12CXT60

Full Range Compression Driver Coaxial Speaker Systems		
MODEL	**8CXT60**	**12CX/12CXT60**
Frequency Response (±10dB):	48Hz to 18kHz	45Hz to 18kHz
Frequency Response (±3dB):	60Hz to 15kHz	58Hz to 15kHz
Power Handling:	150 Watts	250 Watts
Sensitivity:	92	99
Max. SPL @ 1Meter (Transformer Limited @ 60W):	110dB	117dB
Max. SPL @ 1M (8-Ohm @ 250 Watts):	—	123dB
Nominal Impedance:	8-Ohms	8-Ohms
Crossover Frequency:	2000 kHz	1800 kHz
Dispersion Angle:	90 Degrees	90 Degrees
LF Transducer		
Basket Material:	Cast Aluminum	Cast Aluminum
Cone Material:	Polypropylene	Treated Paper
Surround Material & Dampening	SBR	Cloth Edge
Voice Coil Diameter:	2" (51mm)	2.5" (63.5mm)
Magnet Weight:	34 oz.	70 oz.
HF Comp. Driver		
Diaphragm Material:	Titanium	Titanium
Voice Coil Diameter:	1" (25mm)	2.5" (63.5mm)
Voice Coil Former Material:	Kapton®	Kapton®
Voice Coil Material:	Copper	Copper
Throat Diameter	0.925"(23.5mm)	1" (25mm)
Magnet Weight:	20 oz.	20 oz.
Top Plate Thickness:	0.186(4.7MM)	0.218" (5.56MM)
Diameter & Depth:	8"(203mm) Dia. & 5.5" (140mm) Deep	12.875(310mm) Dia. & 8" (203mm) Deep
Mounting Dimensions:	7.72"(196mm) Bolt Circle	11.625" (295mm) Bolt Circle
Net Weight (Less Transformer)	16 lbs	21 lbs
Recommended Enclosure For Maximum Performance	Atlas Sound Q418(1.5 Ft^3, .042m^3)	Atlas Sound Q4812 (6 Ft^3, .169m^3)
Transformer (8CXT60 &12CXT60 Only): Frequency Response: 33Hz to 21kHz (±2dB) Primary Taps @ 70.7V: 60,30,15,7.5 Maximum Insertion Loss 1dB		


FC104-T70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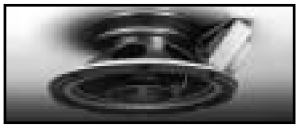
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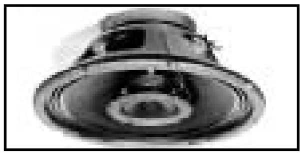
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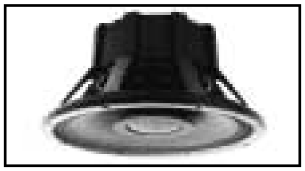
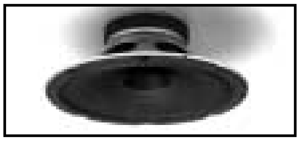
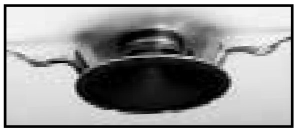

C12A

C5A


C10A


L20-400

HIGH-PERFORMANCE 4", 8" AND 12" CONE LOUDSPEAKERS

Atlas Sound high-performance loudspeakers are the standard for professional sound reinforcement and music systems in offices and retail establishments, auditoriums, meeting rooms, houses of worship, restaurants, clubs, transportation terminals, recreation and sports centers throughout the world. Selection includes standard 4", 8" and 12" coaxial models. Many units are UL listed. All are available with factory-installed, constant-voltage transformers (order separately) to meet individual project requirements.

C12A. High-performance coaxial loudspeaker delivers 65 watts with smooth frequency response and superior sound reproduction for engineered sound system use in restaurants, night clubs, lounges, theaters, airports, shopping malls and houses of worship. Competitively priced unit achieves excellent low-end response when front or rear-mounted in vented or sealed enclosures with a minimum volume of 3 cubic feet. Recommended enclosure is Atlas Sound's Q Series recessed Model Q4612. Loudspeaker Model C12A is complete with transformer mounting bracket for field installation of high-quality transformer Models HT-87, HT-82, HT167, and HT327.

MODEL	**FC104★**	**C803A★**	**CF883**	**C123**	**C12A**
SIZE	4" (127 mm)	LF:8", HF:3" (203, 76 mm)	LF:8", HF:3" (203, 76 mm)	LF:12", HF:3" (305, 76 mm)	LF:12", HF*:4" (305, 102 mm)
TYPE	High Compliance	High Compliance Coaxial	High Compliance Coaxial	High Compliance Coaxial	High Compliance Coaxial
WATTS	10	16	25	30	65
RESPONSE**	150 Hz to 17 kHz	70 Hz to 15.5 kHz	60 Hz to 20 kHz	30 Hz to 18 kHz	40 Hz to 17 kHz
MAG. WT. (OZ.)	10 (260 g)	LF:10, HF:2.35 (260, 67 g)	LF:18, HF:2.35 (499, 67 g)	LF:32, HF:5 (908, 142 g)	LF:32 (908 g)
MAG. MATL.	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
CROSSOVER	—	2800 Hz	3800 Hz	LF-LC Network***	3500 Hz
V.C. IMP.	8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
V.C. DIA.	1" (25 mm)	LF:1", HF:9⁄16" (25, 14 mm)	LF:1", HF:9⁄16" (25, 14 mm)	LF:1½", HF:¾" (38, 19 mm)	LF:1½" (38 mm)
FLUX DENSITY (GAUSS)	10,500	LF:10,600 HF:7,200	LF:13,000 HF:7,200	LF:10,500 HF:8,700	LF:10,500
SENSITIVITY Peak, 1W/1M	94dB	98dB	97dB	98dB	98dB
DEPTH (Less Xfmr.)	2¼" (57 mm)	2⅞" (73 mm)	3¼" (83 mm)	5" (127 mm)	5¾" (146 mm)
XFMRS AVAIL. (order separately)	HT-42(47) LT-25(70) LT-72 HT-87	HT-47 HT-82(87) LT-25(70) LT-72 HT-167	HT-47 HT-87	HT-87	HT-82(87) HT167 HT327

* Piezo Tweeter ** Measured in an infinite baffle. *** LF-LC Network, 6dB per octave, HF-Capacitor, 3dB per octave

★ c UL us LISTED General signaling (1480 non-fire) includes all speaker/transformer combinations (except models with HT-82) when used in combination with a UL listed enclosure and baffle.

COMMERCIAL 8" CONE LOUDSPEAKERS

Atlas Sound offers a complete selection of quality loudspeakers for voice, music, and signal reproduction in commercial, industrial and institutional communications systems. Many units are UL listed. All are acoustically proven, and realistically priced units which will provide many years of optimum service reliability. Selection includes standard 8" loudspeakers and a dual-voice-coil loudspeaker for operational monitoring. All units are available with factory-installed, constant-voltage transformers (order separately) to meet an unlimited variety of project requirements.

MODEL	**C5A★**	**C10A★**	**L20-400**
SIZE	8" (203 mm)	8" (203 mm)	8" (203 mm)
TYPE	Dual Cone	Dual Cone	Dual Voice Coil
WATTS	15*	25*	9
RESPONSE**	50 Hz to 18 kHz	45 Hz to 19 kHz	60 Hz to 8 kHz
MAG. WT. (OZ.)	5 (142 g)	10 (260 g)	10 (260 g)
MAG. MATERIAL	Ceramic	Ceramic	Ceramic
V.C. IMP.	8 Ohm	8 Ohm	8 Ohm
V.C. DIA.	1" (25 mm)	1" (25 mm)	Two, 1" (25 mm)
FLUX DENSITY (GAUSS)	9,200	10,600	10,600
SENSITIVITY (Peak, 1W/1M)	96dB	97dB	94dB
DEPTH (Less Xfmr.)	2⅝" (67 mm)	2⅞" (73 mm)	2⅞" (73 mm)
XFMRS AVAIL. (order separately)	HT-(47) HT-82(87) LT-25(70) LT-72	HT-(47) HT-82(87) LT-25(70) LT-72	Two LT-25 Two LT-70

*Program material input **Measured in an infinite baffle.

★ c UL us LISTED General signaling (1480 non-fire) includes all speaker/transformer combinations (except models with HT-82) when used in combination with a UL listed enclosure and baffle.

25, 70.7 & 100-VOLT TRANSFORMERS

Selection of single voltage or combination use constant-voltage line transformers includes models for professional and commercial sound and for intercom (45 ohm) applications. Transformers with 8 or 4 ohm impedance mount standard 4" or 8" loudspeakers without additional hardware except Model HT167 which may require bracket Model CX188329. For convenience and cost savings, Atlas Sound loudspeakers can be ordered with factory-installed transformers. Consult loudspeaker specifications or technical service for proper loudspeaker transformer combinations to meet your installation requirements. For additional transformer information see spec # SL1-1369 or SL1-1450. (Transformers for compression drivers are listed in Section 2.)

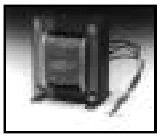
MODEL NO.	PRI. VOLTS	FREQUENCY RESPONSE	PRIM TAPS (WATTS)	SECONDARY IMPED (OHM)	INSERT LOSS	PRIM TERM	SECONDARY TERM	CORE-SIZE	POWER RATING (WATTS)
AF140	—	±1dB—30Hz-15kHz	Auto Transformer		.3dB	6"(152mm) Color Coded		1⅜" x 1⅜" (35 x 35mm)	150
HT-42	25	±1dB—60Hz-12kHz	.5, 1, 2 & 4	8	1.0dB	6"(152mm) Color Coded	6"(152mm) Color Coded	⅝" x ⅝" (16 x 16mm)	4
HT-47	70.7	±1dB—60Hz-12kHz	.5, 1, 2 & 4	8	1.0dB	6"(152mm) Color Coded	6"(152mm) Color Coded	⅝" x ⅝" (16 x 16mm)	4
HT-82	25	±1dB—50Hz-15kHz	1, 2, 4 & 8	4 & 8	.6dB	6"(152mm) Color Coded	6"(152mm) Color Coded	¾" x ¾" (19x 19mm)	8
HT-87	70.7	±1dB—50Hz-15kHz	1, 2, 4 & 8	4 & 8	.6dB	6"(152mm) Color Coded	6"(152mm) Color Coded	¾" x ¾" (19x 19mm)	8
HT167**	70.7	±1dB—40Hz-15kHz	4, 8 & 16	4 & 8	.6dB	6"(152mm) Color Coded	6"(152mm) Color Coded	1" x 1" (25 x 25mm)	16
HT327	70.7	±1dB—30Hz-15kHz	8, 16 & 32	4 & 8	.6dB	6"(152mm) Color Coded	6"(152mm) Color Coded	1¼"x 1¼" (32 x 32mm)	32
T-18	70.7	±1dB—60Hz -20kHz	2.5, 5, 10, 20, 40, 60	4, 8 & 16	.5dB	Solder Lugs	Solder Lugs	⅞" x ⅞" (16 x 16mm)	60
HT810	100	±1dB—50Hz-15kHz	1, 2, 4 & 8	4 & 8	.6dB	6"(152mm) Color Coded	6"(152mm) Color Coded	1" x ¾" (25 x 19mm)	8
LT-25	25	±1.5dB—100Hz-10kHz	.5, 1, 2 & 5	8	1.5dB	6"(152mm) Color Coded	3"(76mm) Self Leads	½" x ⅝" (13 x 16mm)	5
LT-70	70.7	±1.5dB—100Hz-10kHz	.5, 1, 2 & 5	8	1.5dB	6"(152mm) Color Coded	3"(76mm) Self Leads	½" x ⅝" (13 x 16mm)	5
LT-72	25/ 70.7	±1.5dB—100Hz-10kHz	.25, .5, 1, 2 & 4	8	1.5dB	6"(152mm) Color Coded	Com. Lead + Terminals	½" x ⅝" (13 x 16mm)	4
LT100	100	±1.5dB—100Hz-10kHz	.5, 1, 2 & 5	8	1.5dB	6"(152mm) Color Coded	3"(76mm) Self Leads	⅝" x ⅝" (16 x 16mm)	5
HX32-4570	70.7	±2dB—150Hz-9kHz	.5 & 1	45	1.5dB	6"(152mm) Color Coded	4"(102mm) Color Coded	⅜" x ⅜" (10 x 10mm)	1
HX33-4525	25	±2dB—150Hz-9kHz	.5 & 1	45	1.5dB	6"(152mm) Color Coded	4"(102mm) Color Coded	⅜" x ⅜" (10 x 10mm)	1

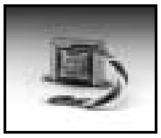
* One common, two with fast-on terminals.

** CX188329 is offered as a dedicated HT167 mounting bracket to facilitate high-powered systems utilizing loudspeaker models: C5A, C10A, C10LWA, C803A, CF883.

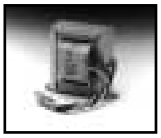
Note: Model AF140 consists of a single coil autoformer with multiple taps for maximum flexibility in matching a wide variety of loudspeaker loads to power amplifier outputs. A single AF140 will handle loads up to 150 watts and by connecting two units in series, power handling capacity can be increased to 300 watts.

TRANSFORMER DIMENSIONS						
MODEL	**A**	**B**	**C**	**D**	**E**	**WEIGHT**
AF140	4⅛" (105mm)	3 7/16" (87mm)	1⅜" (35mm)	2¾" (70mm)	2⅜" (60mm)	6.25 lbs. (2.8 kg)
HT-42	1⅝" (41mm)	1 31/32" (50mm)	23/32" (18mm)	2⅜" (60mm)	—-	.53 lbs. (240g.)
HT-47	1⅝" (41mm)	1 31/32" (50mm)	23/32" (18mm)	2⅜" (60mm)	—-	.53 lbs. (240g.)
HT-82	2⅜" (60mm)	1 31/32" (50mm)	27/32" (21mm)	2⅜" (60mm)	—-	1.2 lbs. (544g.)
HT-87	2⅜" (60mm)	1 31/32" (50mm)	27/32" (21mm)	2⅜" (60mm)	—-	1.2 lbs. (544g.)
HT167	3⅛" (79mm)	2 9/16" (65mm)	1 3/32" (28mm)	3⅛" (79mm)	—-	2 lbs. (.91kg.)
HT327	3¼" (83mm)	2½" (64mm)	3¼" (83mm)	2" (51mm)	2¼" (57mm)	3.5 lbs. (1.6 kg)
T-18	2¼" (57mm)	2 11/16" (43mm)	1" (25mm)	3⅛" (75mm)	—-	1.3 lbs. (.59 kg)
HT810	2⅜" (60mm)	1 31/32" (50mm)	1 3/32" (28mm)	2⅜" (60mm)	—-	1.2 lbs. (544g.)
LT-25	1⅜" (35mm)	1 23/32" (44mm)	23/32" (18mm)	2" (51mm)	—-	.5 lbs. (227g.)
LT-70	1⅜" (35mm)	1 23/32" (44mm)	23/32" (18mm)	2" (51mm)	—-	.5 lbs. (227g.)
LT-72	1⅜" (35mm)	1 23/32" (44mm)	23/32" (18mm)	2" (51mm)	—-	.5 lbs. (227g.)
LT-100	1⅝" (41mm)	1 31/32" (50mm)	23/32" (18mm)	2⅜" (60mm)	—-	.5 lbs. (227g.)
HX32-4570	1 3/16" (30mm)	1 7/16" (37mm)	15/32" (12mm)	1¾" (44mm)	—-	.2 lbs. (91g.)
HX33-4525	1 3/16" (30mm)	1 7/16" (37mm)	15/32" (12mm)	1¾" (44mm)	—-	.2 lbs. (91g.)


AF140


HT-47(42)

HT-87(82)(810)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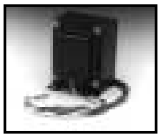
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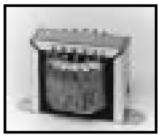
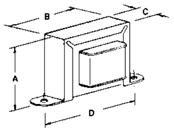
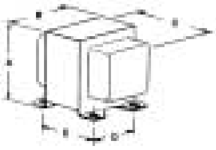

T-18

LT Series

HX32-4570(25)



All models except HT327 & AF140



HT327 & AF140

8" LOUDSPEAKER/TRANSFORMER/BAFFLE PACKAGES

GENERAL DESCRIPTION

Atlas Sound offers an extensive selection of its commercial 8" drivers factory-assembled with transformers and attractive baffles. These eleven different series and 71 model combinations arrive assembled, ready for installation to save you time and money. Choose from ceiling and surface-mount packages, models with volume control, and the cost-efficient EZ Mount installation system. All assemblies are competitive in price with individual components and save you the labor and material expense of re-packaging for the job site.

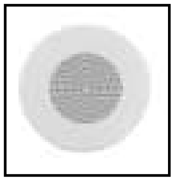
	SD72W	SD72WV	GD87	D★ SERIES	G★ SERIES	FD/EZFD SERIES	HD/EZHD SERIES	SV/EZSV SERIES	HV/EZHV SERIES	WD SERIES
SIZE	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)	8" (203mm)
SPEAKER MODEL	C10A TYPE	C10A TYPE	C803A TYPE	C10A	C5A	FD****	C10A	FD****	C10LWA	FD****
MAGNET WEIGHT	10 oz. (260g)	Similar to SD72W, with volume control	10 oz. (260g)	10 oz. (260g)	5 oz. (142g)	5 oz. (142g)	10 oz. (260g)	Similar to FD, with volume control, no whizzer	Similar to HD, with volume control, no whizzer	Similar to FD with wall mount baffle and volume control option
MAGNET MATERIAL	Ceramic		Ceramic	Ceramic	Ceramic	Ceramic	Ceramic			
V.C. DIAMETER	1" (25mm)		1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)			
V.C. IMPEDANCE	8 Ohm		8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm			
FLUX DENSITY	10,600 Gauss		10,600 Gauss	10,600 Gauss	9,200 Gauss	9,200 Gauss	10,600 Gauss			
SENSITIVITY*	97dB		98dB	97dB	96dB	96dB	97dB			
WATTS (PROGRAM)	10		25	25	15	15	25			
RESPONSE**	50Hz–18kHz		70Hz–15.5kHz	45Hz–19kHz	50Hz–18kHz	50Hz–18kHz	45Hz–19kHz			
DEPTH	2⅞" (73mm)		2⅞" (73mm)	2⅞" (73mm)	2⅝" (67mm)	2⅝" (67mm)	2⅞" (73mm)			
TRANS. VOLTS	25/70.7V		70.7V	25/70.7V	25/70.7V	70.7, 25, 25/70.7 or 100V	70.7, 25, or 25/70.7V			
CORE SIZE	½" x ⅝"		¾" x ¾"	½" x ⅝"	½" x ⅝"	½" x ⅝" ***	½" x ⅝"			
PRI. TAPS	¼, ½, 1, 2 & 5		1, 2, 4 & 8	C, ½, 1, 2, 4	C, ½, 1, 2, 4	C, ½, 1, 2, 5 or C, ½, 1, 2, 4	C, ½, 1, 2, 5 or C, ½, 1, 2, 4			
Standard Baffle Models Available	62-8 Style			62-8, 161-8,		(T)51-8, 60-8, T62-8, P900	(T)51-8	(T)51-8, 60-8, P900	(T)51-8 60-8, P900	417-8WD

* Peak, 1W/1M ** Measured in an infinite baffle *** 100-volt version has a core size of 5/8" x 5/8" **** Now includes 1" voice coil

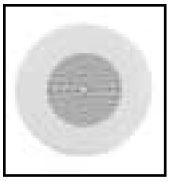
SD72W(V) & GD87W

NEW

SD72W(V)

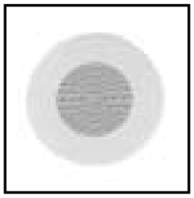


SD72W



SD72WV

GD87W



SD72W. The speaker used in the SD72W package is the next generation of Atlas high performance cone loudspeakers, very similar to the preceding C Series speakers. The similarity in the sonic qualities ensures that contractors and designers who have worked with the C Series in the past will know exactly what to expect when they purchase the SD72W package. The SD72W includes a 10oz magnet dual cone loudspeaker with 5 watt dual voltage transformer fully assembled onto an attractive CRS white powder coated grille with standard mounting holes to accommodate the majority of Atlas Sound standard 8" back cans, trim rings and tile bridges. This baffle includes welded speaker mounting studs making for a more discrete installed appearance. All mounting screws are included in the package. Model SD72WV includes a 50-Ohm baffle mounted potentiometer for applications requiring local volume control

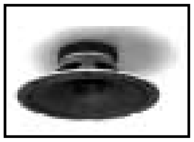
GD87W. The speaker used in the GD87W package is the next generation of Atlas high performance coaxial 8" cone loudspeakers, very similar to the preceding C803A Series speakers. The similarity in the sonic qualities ensures that contractors and designers who have worked with the C803A Series in the past will know exactly what to expect when they purchase the GD87W package. The loudspeaker is matched with a high efficiency 8 watt 70.7V transformer with a maximum insertion loss of 0.6dB. The primary taps are 1, 2, 4 and 8 watts. Speaker/transformer is fully assembled onto an attractive CRS white powder coated grille with standard mounting holes to accommodate the majority of Atlas Sound standard 8" back cans, trim rings and tile bridges. This baffle includes welded speaker mounting studs making for a more discrete installed appearance. All mounting screws are included in the package.

Each package is individually packaged for stocking and delivery convenience.

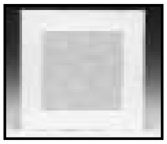
All models individually packaged for stocking and ordering convenience.

D SERIES/G SERIES

D Series

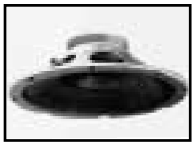


C10A speaker/ xfmr +

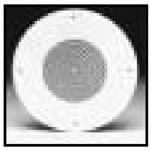


baffle 161-8 (shown)

G Series



C5A speaker/ xfmr +



Baffle 62-8 (shown)

Quality loudspeaker packages for ceiling or wall installation include loudspeaker with 10 oz. (D Series) or 5 oz. (G Series) magnet, dual-voltage transformer and choice of two grilles.

SPEAKER PACKAGE					RECOMMENDED		
D★	G★	BAFFLE	XFMR	STD PACK	STANDARD ENCL. or	UL ENCL. ★★ or	MTG. RING T-BAR
D62-8	**G62-8**	62-8	Dual Voltage 25/70.7	6	(EZ)95 & (EZ)96 Series, 199-8, Q408	95-8, 96-8 95-8-7	75-8, 76-8 (E2) P77-8, P78-8
D161-8	**G161-8**	161-8	Dual Voltage 25/70.7	6	CS95-8(NS) 198 Series, SE175-4	198-8	81-8R(S) 72-8(E1) 81-8R(S)

★ c UL us LISTED General signaling (1480 non-fire) when used in combination with a UL listed enclosure and baffle.

★★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling “plenum” spaces.

FD/EZFD SERIES, HD/EZHD SERIES

Industry-favorite loudspeaker packages for ceiling installations are available in standard and EZ Mount Versions (EZ) where noted. Packages include loudspeaker with 5 oz. (FD/EZFD) or 10 oz. (HD/EZHD) magnet, choice of transformer and grille. Patented EZ Mount assemblies are designed for use in standard 2 x 4 lay-in ceiling installations when backboxes are not required. All EZ Mount loudspeakers have pre-mounted brackets and install quickly with wingnuts to support rails provided.

FD/EZFD SERIES	HD/EZHD SERIES	BAFFLE	TRANSFORMER	STD Pack
FD25W	**HD25W**	51-8	25V	6
FD70W	**HD70W**	51-8	70.7V	6
FD70A	**NA**	60-8	70.7V	6
FD72A	**NA**	60-8	25/70.7V	6
FD72W	**HD72W**	51-8	25/70.7V	6
TFD72WC	**THD72WC**	T62-8	25/70.7V	6
FD25M222W	**NA**	M222W	25V	6
FD70M222W	**NA**	M222W	70.7V	6
FD72M222W	**NA**	M222W	25/70.7V	6
FDP900-70	**NA**	P900	70.7V	6
FDP900-72	**NA**	P900	25/70.7V	6
***EZFD70W**	***EZHD70W**	T51-8	70.7V	6
***EZFD72W**	***EZHD72W**	T51-8	25/70.7V	6

All models except
TFD and THD Series Mount:

ENCLOSURES:	MOUNTING RINGS	T-BAR BRIDGE:
(EZ)95 Series, (EZ)96 Series, Q408, BMT95-8(-7) CS95-8(NS)	75-8, 75-8E2, 76-8, 76-8E2, P77-8, P78-8	81-8(R)S

TFD and THD Series Mount:

ENCLOSURES:	MOUNTING RINGS:	T-BAR BRIDGE:
T95-8 Series, BMT95-8(-7), EZ95-8	T75-8(E1)(E2)	81-8S

SV/EZSV SERIES, HV/EZHV SERIES

The SV/EZSV and the HV/EZHV Series loudspeaker packages are designed for easy, on the spot, volume control of ceiling mounted loudspeakers. Packages include loudspeaker with factory mounted 50-ohm potentiometer, 5 oz. (SV Series) or 10 oz. (HV Series) magnet, choice of 25, 70.7 or dual voltage 25/70.7V transformer, patented EZ Mount support rails (EZ Models only) and selection of three grilles with a center-mounted volume control knob. Attractive knob has been re-designed for a low profile, flush-to-grille appearance. The knob may also be removed to allow for screwdriver adjustment of volume. This screwdriver adjustment feature is desirable in applications where individual volume control is needed, but easy, general access is not.

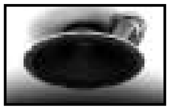
SV/EZSV SERIES	HD/EZHD SERIES	BAFFLE	TRANSFORMER	STD Pack
***EZSV1-2**	**NA.**	T51-8	25V	6
***EZSV1-7**	***EZHV1-7**	T51-8	70.7V	6
***EZSV1-72**	***EZHV1-72**	T51-8	25/70.7V	6
SV1-2	**HV1-2**	51-8	25V	6
SV1-7	**HV1-7**	51-8	70.7V	6
SV1-72	**HV1-72**	51-8	25/70.7V	6
SV2-2	**NA**	51-8	25V	6
SV2-7	**NA**	51-8	70.7V	6
SV2-72	**HV2-72**	51-8	25/70.7V	6

MOUNTS TO

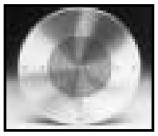
ENCLOSURES:	MOUNTING RINGS:	T-BAR BRIDGE:
(EZ)95 & (EZ)96 Series, Q408, CS95-8(NS), BMT95-8(-7)	75-8, (E2), 76-8, (E2) P77-8, P78-8	81-8R(S)

* EZ Series will not accept an enclosure. For installations that require a backbox, see EZ Mount enclosure system, Section 3.

FD Series

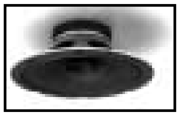


FD speaker/xfmr +

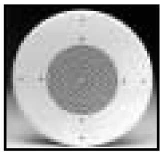


baffle 60-8 (shown)

HD Series

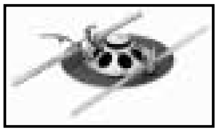


C10A speaker/xfmr +



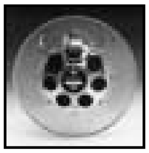
baffle 51-8 (shown)

EZ Series



FD, HD, SV or HV Series speaker/xfmr + baffle + EZ Rails

SV and HV Series



*Rear View
SV1 and HV1 Series*

*Front View
SV1 and HV1 Series*

IS125CS *IS139*

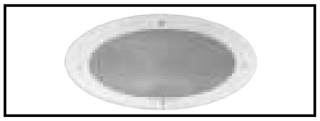
1' X 2' DROP-IN SPEAKER SYSTEMS

The new Atlas Sound IS100 series of 1' x 2' drop-in ceiling speakers allow for a hassle-free installation method. Because they have a unique baffle, contractors may simply drop the speaker system into the grid, then cut the ceiling tile to the appropriate length. This is much faster than conventional methods. Each speaker is made up of attractive, perforated metal that blends well with acoustic ceiling tiles. You can enjoy clean, crisp sounds from the installation-friendly Atlas Sound IS100 series speakers without sacrificing building cosmetics. The 1' x 2' drop-in ceiling speakers are packaged with two pre-assembled systems per box. The following 1' x 2' drop-in system models feature industry standard Atlas Sound speakers, transformers and conical back cans:

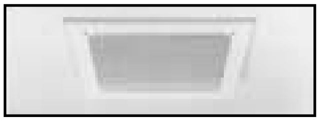
MODEL	SPEAKER	Power	XFMR	ENCLOSURE
IS115	C5A	15 Watts	LT72	None
IS125	C10A	25 Watts	LT72	None
IS139	C803A	16 Watts	HT87	None
IS149	FC104	10 Watts	HT87	None
IS115CS	C5A	15 Watts	LT72	CS95-8
IS125CS	C10A	25 Watts	LT72	CS95-8
IS139CS	C803A	16 Watts	HT87	CS95-8
IS149CS	FC104	10 Watts	HT87	CS95-8

EQ818-BX

EQ818-T82



EQ61



EQ164A

EQ SERIES 8" MUSIC LOUDSPEAKER SYSTEM

EQ818. The EQ Series was developed to meet the sound industry's need for high-fidelity ceiling loud-speaker systems with conventional installation and architectural integrity. Cost-efficient 8" system combines a high-performance loudspeaker with a ported, bass-reflex ceiling enclosure and a choice of flush grilles to achieve professional quality sound reproduction in an attractively packaged ceiling loudspeaker system. Series is ideal for foreground music and sound reinforcement application wherever enhanced audio quality is desired to create listener appreciation in stores and boutiques, restaurants, nightclubs, hotels, lecture halls, meeting rooms, airports, recreation and performing art centers.

This 50 watt system is comprised of an 8" diameter woofer, 4" diameter high-frequency piezo transducer and an acoustically matched ported enclosure to deliver optimum response, sensitivity and power handling. High-performance loudspeaker assembly is factory mounted to a subplate and offered with choice of three, professional-quality line-matching transformers. Bass reflex enclosure Model EQ818-BX (order separately) is manufactured from 20-gauge CRS, includes ¾" knock-outs, and is lined with 1½" thick fiberglass. Unit has provisions for mounting a single-gang E.O. box (included) to the top of enclosure. Enclosure is finished in black, and measures 11¾" diameter x 8" deep. It includes teflon leads with connectors for installation in suspended tile ceilings and separate junction box for convenient connection to conduit systems. Attractively styled companion baffles (order separately) are constructed of 22-gauge CRS and finished in white. Model EQ61 measures 13⅝" diameter and Model EQ164A is 16" square. To assure prime appearance in suspended ceilings, optional load-bearing tile bridge Model EQ81 is recommended. The round cut-out of the EQ81 measures 12 1⁄16" diameter.

PERFORMANCE SPECIFICATIONS BY SYSTEM					
MODEL	**FREQ. RESP.**	**IMPEDANCE (NOM)**	**POWER RATING**	**SENSITIVITY**	**DISPERSION**
EQ818	70 Hz - 20 kHz	8 Ohm	50 Watts	93dB, 1W/1M	120°

LOUDSPEAKER SPECIFICATIONS										
	XFMR	**PRIMARY**	**L.F.**	**H.F.**	**MAG**	**V.C.**	**MOUNTS (order separately)**		
MODEL	**VOLTS**	**TAPS (Watts)**	**SIZE**	**SIZE**	**WT. (LF)**	**DIA.**	**ENCL.**	**BAFFLE**	**T-BRDG**
EQ818	*	—	8" (203mm)	4" (102mm)	18 oz	1½" (38mm)	EQ818-BX	EQ61, EQ164A	EQ81
EQ818-T87	70.7	1, 2, 4 & 8							
EQ818-T167	70.7	4, 8 & 16							

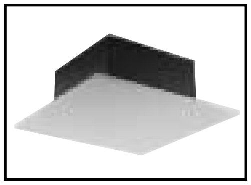
* Denotes 8-ohm version. No transformer.

PROFESSIONAL QUALITY CEILING LOUDSPEAKER SYSTEMS

2' X 2' DROP-IN SYSTEMS

IS289Q. The Atlas Sound IS289Q, 2' x 2' drop-in speaker system features a premium 8-inch coaxial speaker, transformer, and enclosure. This premium line offers clean, crisp sound. Each speaker is made up of a handsome perforated metal that blends well with any acoustic ceiling tiles. Like its relative, IS100 series 1' x 2' drop-in speaker system, the Atlas Sound IS200 series 2' x 2' drop-in speaker systems are also easy to install, eliminating complicated installation procedures and saving time. The Atlas Sound IS200 series 2' x 2' drop-in speakers include a one-of-a-kind baffle, which allows contractors to simply drop the speaker system into the grid, then cut the ceiling tile to the appropriate length. This unique installation method is much faster than conventional modes Available IS200 Series 2' x 2' Drop-In Speaker System IS289Q 2x2 with FA138 HT327 and Q enclosure. Comes with 2' T-Bar.

MODEL	SPEAKER	POWER	XFMR	ENCLOSURE
IS289Q	FA138	100 Watts	HT327	QS408

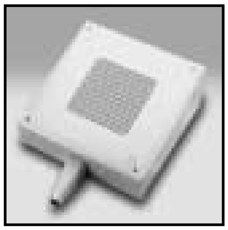

IS 289Q

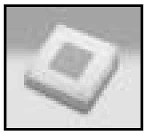
SLANT WALL-MOUNT BAFFLE SYSTEMS

VP14

VP14. The VP14 vandal resistant slanted wall mount baffle, finished in attractive, neutral beige, is ideal for use in high-security areas such as schools and correctional facilities. Its sturdy, 14-gauge baffle construction and specially designed protective labyrinth screen protects the enclosed speaker assembly against abuse. Each package contains a high-quality 8" diameter loudspeaker with a 10-ounce ceramic magnet complete with factory assembled 25V/70.7V transformer including four power taps (.5, 1, 2 & 4 Watts). The VP14 exhibits a wide frequency response with low distortion. VP14 includes an adapter to comply with Wiremold‘ 500 and 700 series conduit. This adapter can be installed securely through any of the standard round combination knockouts that are included on all four sides of the VP14.

VP14 SPECIFICATIONS						
Speaker Type	**Magnet Weight**	**xfmr**	**Primary Taps**	**Baffle Material**	**Encl. Material**	**Finish**
Dual Cone	10oz (226g)	25V/ 70.7V	.5,1,2 & 4	#14 Gauge CRS	#16 CRS Steel	Matches Wiremold™ Beige

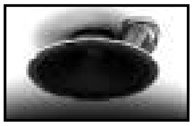

VP14
Shown with wire mold adapter (included)

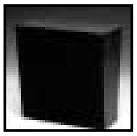


WD SERIES

Attractive surface mounting loudspeaker packages with 5 oz. magnet and choice of transformer are mounted in a sloped baffle with black fabric grille. Models with (V) suffix include volume control option.

MODEL NO.	BAFFLE/ENCLOSURE	TRANSFORMER	50 OHM POT	STD. PACK
WD417-25	417-8WD	25V	NO	2
WD417-72		25/70.7V	NO	2
WD417-72V		25/70.7V	YES	2


FD speaker/xfmr +


417-8WD baffle/enclosure

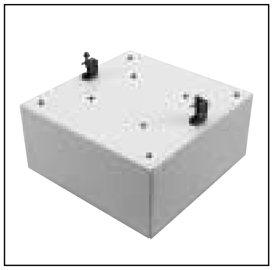
OPEN-CEILING, BEAM-MOUNTING LOUDSPEAKERS

SBMS

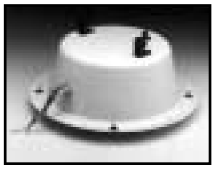
SBMS. Install the SBMS clamp-mounting loudspeaker assembly wherever paging, intercom, and background music are desired in open ceiling applications. This ready-to-install unit combines exceptional performance and fast installation into one complete package making the SBMS ideal for use in open ceiling venues such as: retail superstores, warehouses, light industrial facilities, multi-purpose athletic buildings, cafeterias, and convention/civic centers.

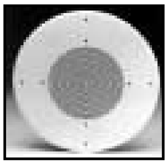
Pre-assembled unit feature an 8" dual-cone loudspeaker with a 25/70.7-volt transformer mounted within a square enclosure with matching baffle. Loudspeaker selection includes a 25 watt 10oz dual cone loudspeaker. Assemblies include two, easy-to-secure screw-down clamps mounted to the top of the enclosure. Clamps provide for quick and easy mounting onto beams, girders, and other surfaces (max. ½" thick) common to open-ceiling installations. The square SBMS package includes a 712 cubic inch enclosure paired with an attractive square baffle. This grille features one-piece, CRS construction. The SBMS is infinitely flexible, complying with a variety of conduit requirements. Integral knockouts facilitate ½" and ¾" conduit where required by code while and integral “romex” style connector simplifies installation for applications where conduit is not required at all. Assemblies are shipped ready for installation with lead wires extending out of the enclosure through a wire-securing cable clamp. Finish is white powder coat epoxy.

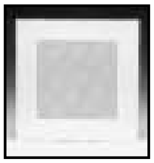
MODEL	Speaker	XFMR	Taps (Watts)	Enclosure Volume
SBMS	10oz (260g) Dual Cone	70.7/25V	.5,1,2&4	712 Cubic In.


SBMS

OPEN-CEILING, BEAM-MOUNTING LOUDSPEAKERS


RC Series


51-8


161-8

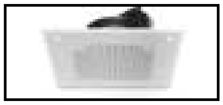
RC AND SC SERIES

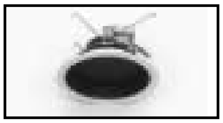
RC5-T72/RC10-T72/SC5-T72/SC10-T72. Conveniently packaged loudspeaker assemblies, for open-ceiling application, offer exceptional performance and easy clamp-mount installation in retail super-stores, warehouses, light industrial facilities, multi-purpose athletic buildings, cafeterias, and convention/civic centers. Ready-to-install, factory-assembled units are comprised of an 8" dual-cone loudspeaker with 25/70.7-volt transformer mounted into a round (RC Series) or square (SC Series) enclosure with baffle. Models RC5-T72 and SC5-T72 feature the C5A dual-cone, 15 watt loudspeaker; Models RC10-T72 and SC10-T72 include the dual-cone, C10A 25 watt loudspeaker. All models feature specially equipped enclosures with beam clamps for easy and secure mounting to beams, girders, and other surfaces in open-ceiling installations. They also offer the labor-saving convenience of lead wires extending out of the enclosure through a wire-securing cable clamp to allow for expedited connection to the transformer. Assemblies are available with choice of black (B) or white (W) finish.

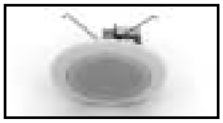
MODEL NO.	*SPEAKER	POWER	XFMR	PACKAGE TYPE	BAFFLE	**ENCLOSURE
RC5-T72(B)(W)	C5A	15 watts	Dual Voltage 25/70.7	Round	51-8	CS95-8NS
SC5-T72(B)(W)				Square	161-8	SE175-4
RC10-T72(B)(W)	C10A	25 watts		Round	51-8	CS95-8NS
SC10-T72(B)(W)				Square	161-8	SE175-4

* See page 8 for complete loudspeaker specifications.
** Enclosures are modified to include beam and wire clamps. Dimensional specifications are the same as standard models. (See Section 3).

4" LOUDSPEAKER/TRANSFORMER/BAFFLE PACKAGES


B161-4


BT730-4B


BT720-4

B SERIES

Often requested as a special assembly, the popular FC104 high-compliance 4" loudspeaker is available with transformer premounted to a selection of standard screw-mount and labor-saving torsion spring (T) grilles. For additional convenience, time and cost savings, two models are available with the patented EZ Mount installation system for applications which do not require a backbox.

MODEL	SPEAKER*	XFMR	BAFFLE	ENCL. or MTG. RING (Order separately) or	UL ENCL. H★
★ **B51-4**	FC104 4" (127mm) High Compliance	25/70.7	51-4	(EZ)96-4, (EZ)96-4X, 76-4, 81-4	96-4,96-4X
EZB51-4		25/70.7	T51-4	Not Required	—
BT51-4		25/70.7	T51-4	(EZ)E410/PR411/BMT95-4(7)	—
B161-4		25/70.7	161-4	198-4, SE198-4	—
EZB161-4		25/70.7	T161-4**	Not Required	—
BT710-4		25/70.7	T710-4	(EZ)E410/PR411/BMT95-4(7)	—
BT720-4		25/70.7	T720-4	(EZ)E410/PR411/BMT95-4(7)	—
BT720-4-T47		70.7	T720-4	(EZ)E410/PR411/BMT95-4(7)	—
★ **BT730-4B**		25/70.7	T730-4B	(EZ)E410/PR411/BMT95-4(7)	—
★ **BT730-4B-T47**		70.7	T730-4B	(EZ)E410/PR411/BMT95-4(7)	

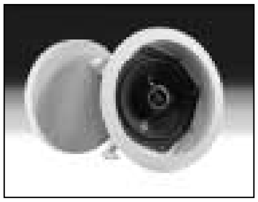
* Complete loudspeaker specifications are listed under high performance loudspeakers; this section.
** Note: Model T161-4 baffle is available only as a B Series assembly.

★ c UL us LISTED General signaling (1480 non-fire) when used in combination with a UL listed enclosure and baffle.

★★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling "plenum" spaces.

ARCHITECTURAL SERIES IN-CEILING/IN-WALL SPEAKERS

NEW


AS25CA

ARCHITECTURAL SERIES IN-CEILING SPEAKERS

AS25CA. Easy-to-install loudspeaker system includes a coaxial driver, "quick-fit" frame and grille. The attractive assembly was designed to compliment Atlas Sound's Architectural Series high-performance, in-wall speakers. Grille style is flush white with a diameter of 7¾". Speaker installs quickly into ceiling or walls with a maximum thickness of 1¼". Screwdriver-adjustable clamps provide fast installation and hardware-free appearance. The coaxial driver includes a 5¼" polypropylene woofer with half-roll foam and a ½" dome tweeter with a 1" voice coil. Ten watt RMS unit operates with a frequency response of 125 Hz - 20 kHz (±5dB) and a sensitivity of 83dB (at 1W/1M). Crossover frequency is 4000 Hz. Speaker depth is 2¼" and cutout dimension is 6½". Optional rough-in bracket FA-TR4 is available for pre-wire convenience in new construction (order separately).

MODEL	SPEAKER SIZE	POWER (WATTS)	FREQUENCY RESPONSE	SENSITIVITY (1W/1M)	DISPERSION	IMPEDANCE
AS25CA	5¼"	60 Peak, 30RMS	125 Hz - 20 kHz	83dB	130°	8 ohm

STANDARD SERIES IN-WALL SPEAKER SYSTEMS

Standard Series 6" and 8" in-wall loudspeakers are an attractive and reliable family of speakers that offer proven performance and outstanding value. Models AS80A and AS83A, are 8" units that provide high-fidelity foreground music for custom install and high-end commercial applications. Models AS60A and AS62A are 6” versions that are ideal for areas with limited space. All Standard Series models have a three-part assembly that offers fast and convenient installation with the loudspeaker component being installed last to avoid damage caused by paint, dust, or vandalism. Adjustable tweeter levels permit control of high-frequencies to match individual listening preference. Units project .185" from the wall and can be painted or decorated for decor flexibility. Units are equipped with transformer mounting posts for easy wiring of 70.7V transformers in distributed music applications (order separately). Use new construction trim ring Model TR-6 or TR-8 prior to drywall installation to streamline speaker installation. Trim rings not compatible with AS661.

AS60A. Two-way economy 10 watt RMS in-wall loudspeaker combines a 6½" woofer and 2" cone tweeter to provide frequency response of 60 Hz - 15 kHz and sensitivity of 85dB.

AS62A. Two-way model provides full-range sound in a small 20 watt RMS system. It has a 6½" woofer, 1" soft-dome tweeter, a response range of 60 Hz - 20 kHz and sensitivity of 88dB. Unit also contains a circuit board jumper wire for adjusting tweeter levels.

AS80A. Two-way, 30 watt RMS in-wall loudspeaker combines an 8" woofer and 1" soft-dome tweeter to provide a frequency response of 50 Hz - 20 kHz and sensitivity of 88dB. Model also contains circuit board jumper wire for adjusting tweeter levels.

AS83A. Three-way, 50 watt RMS in-wall loudspeaker combines an 8" woofer, 4" midrange, and 1" soft-dome tweeter to provide frequency response of 45 Hz - 20 kHz and sensitivity of 88dB. Unit also contains a three-position crossover switch for adjusting tweeter levels.

AS661. Dual 6½" woven fiberglass woofers and 1" silk dome pivoting tweeter combine to make this system the ideal choice for any high-fidelity listening area including family rooms, entertainment areas, kitchens, and home offices. It handles 80 watts RMS and has a frequency response of 45 Hz - 20 kHz (±4dB) and sensitivity of 87dB.

LOUDSPEAKER SPECIFICATIONS

MODEL **WOOFER**	**AS60A** 6.5" Polypropylene	**AS62A** 6.5" Polypropylene	**AS80A** 8" Polypropylene	**AS83A** 8" Polypropylene	**AS661** Two 6.5" Woven Fiberglass
WOOFER SURROUND	Cloth	Velbex	Velbex	Velbex	Rubber, half roll
VOICE COIL DIA.	¾"	1"	1"	1½"	1" Aluminum
MIDRANGE	N/A	N/A	N/A	4” Polypropylene foam surround	N/A
TWEETER DIA.	2"	1"	1"	1"	1"
TWEETER MATERIAL	Paper cone	Soft dome	Soft dome	Soft dome	Silk Dome, pivoting
TWEETER CONTROLS	N/A	+2, 0dB	+2, 0dB	+3, 0, -3dB	+3,0, -3,dB (PCB jumper)
FREQUENCY RESPONSE	60 Hz - 15 kHz	60 Hz - 20 kHz	50 Hz - 20 kHz	45 Hz - 20 kHz	45Hz - 20kHz ± 4dB
POWER HANDLING (WATTS)	20 Peak, 10 RMS	40 Peak, 20 RMS	60 Peak, 30 RMS	100 Peak, 50 RMS	140 Peak, 80 RMS
NOMINAL IMPEDANCE*	8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
SENSITIVITY (1W/1M)	85dB	86dB	88dB	88dB	87dB
CROSSOVER	3400 Hz 1st Order	2250 Hz 2nd Order LC	2800 Hz 2nd Order LC	2250/5000Hz 2nd Order LC	2200 Hz, 5 Element
DEPTH	2½"	2¾"	3½"	3½"	3⅝"
DIMENSIONS (H x W)	11¼" x 8¾"	11¼" x 8¾"	15" x 10¾"	15" x 10¾"	17⅜"x8½"
CUTOUT DIMENSIONS (H x W)	9½" x 6⅞"	9½" x 6⅞"	13¼" x 9"	13¼" x 9"	15¾"x7"
OPTIONAL XFMR MODELS	Atlas Sound HT Series				

* Models include transformer mounting posts to facilitate use in 70 volt distributed applications. Specify Atlas Sound HT Series transformers.

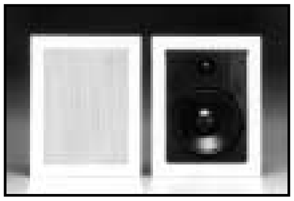
NEW CONSTRUCTION BRACKETS

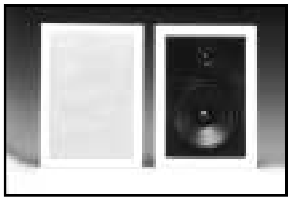
TR-8/TR-6. New construction brackets are complete with mounting ears to span 16" and 24" frame studs for positioning prior to drywall installation. Model TR-8 and TR-6 are suitable for use with 8" and 6" loudspeakers, respectively. Hardware will fit walls with min. depth ⅜" (10mm) and max. 1¼" (32mm).

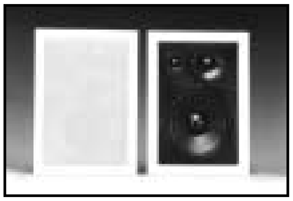
ENCLOSURE FOR 8" IN-WALL LOUDSPEAKER & SUBWOOFERS

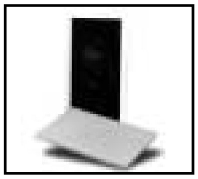
TR-BX8. Optional rear enclosure Model TR-BX8 is available to optimize the performance of 8" in-wall loudspeakers. Backbox provides a consistent operating volume and ensures acoustical isolation by reducing bass frequency “bleed-through” into adjoining rooms. Unit also protects the loudspeaker from dust and debris. Installation is accomplished by securing the enclosure between 2 x 4 studs on standard 16" centers using supplied hardware kit.

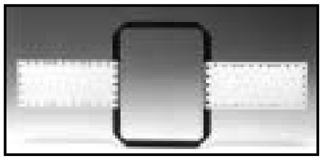
Standard Series In-Wall Speakers


AS62A


AS80A


AS83A


AS661


TR-6

TR-BX8

SM SERIES

SM52(T)-W SM52(T)-B

Atlas Sound expands the industry standard Strategy Series speaker line by introducing four, new, weather-resistant, surface mount speaker models. Models include the Strategy Series SM52 (8 ohm) and SM52T (25/70.7/100V) 51⁄4", two-way speaker systems and the Strategy Series SM82 (8 ohm) and SM82T (25/70.7/100V) 8", two-way loudspeaker systems.

System components consist of highly efficient woofer sections and titanium dome high frequency devices. The SM82 series features a 1" exit compression driver, while the SM52 series features a dome style tweeter. Vocal and musical clarity is optimized by the mathematically conceived, advanced design of the Atlas Sound TRX Control Wave Guide™ high frequency director. This design gives each model smooth, even sound coverage(90˚H x 90˚V for the 51⁄4" model, and 65˚H x 65˚V for the8" model). The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. High frequency component protection is provided by the Atlas Sound Poly Guard™ protection circuit. SM52 and SM82 8 ohm models feature magnetic shielding for use near video and CRT monitors. To withstand the harshest environments, the new Strategy Series surface mount loudspeakers are constructed of weather resistant materials: UV-resistant, talc impregnated, polypropylene injection molded cabinets; Hycone™ treated woofer cones; powder coated aluminum grilles and all brass hardware.

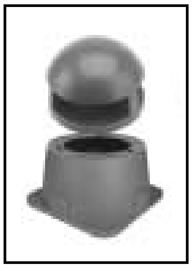
The Strategy Series speaker systems include a versatile yet simple U-bracket designed to provide easy vertical or horizontal installation on just about any surface. Systems are available in Black or White finishes and can be painted to accommodate any architectural considerations.

SM82(T)-B SM82(T)-W

STRATEGY SERIES SERIES SM SERIES SURFACE MOUNT SPEAKER SPECIFICATIONS

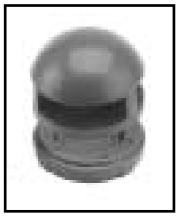
MODEL	SM52	SM52T	SM82	SM82T
POWER RATING	100 WATTS RMS 150 WATTS PEAK	30 Watts (Xfmr Lmtd.)	150 WATTS RMS 225 WATTS PEAK	60 Watts (Xfmr Lmtd.)
IMPEDANCE	8 Ohms	NA	8 Ohms	NA
FREQ. RESP. (±3dB)	85 Hz to 20,000 kHz	85 Hz to 20,000 kHz	65 Hz to 20,000 kHz	65 Hz to 20,000 kHz
SENSITIVITY 1W, 1M	90dB	90dB	92dB	92dB
LF DRIVER	5¼" (133mm)	5¼" (133mm)	8" (203mm)	8" (203mm)
(LF) MAGNET WT.	20 oz.	20 oz.	40 oz.	40 oz.
HF DRIVER	1" (25 mm) Dome Tweeter	1" (25 mm) Dome Tweeter	1" (25 mm) Exit Comp Drvr	1" (25 mm) Exit Comp Drvr
70.7 V TAPS (watts)	NA	.94,1.9,3.7,7.5,15,30	NA	1.9,3.8,7.5,15,30,60
DIMENSIONS (H x W x D)	10 3/16" (25.8CM) H 6⅞" (17.5CM) W 5⅞" (14.85CM) D	10 3/16" (25.8CM) H 6⅞" (17.5CM) W 5⅞" (14.85CM) D	16½" (41.9CM) H 9 1/16" (23.0CM)W 8 7/16" (21.49CM) D	16½" (41.9CM) H 9 1/16" (23.0CM)W 8 7/16" (21.49CM) D
WEIGHT LESS BRACKET	7.05lbs (3.2kg)	8.4lbs (3.8kg)	16.32lbs (7.4kg)	18.08lbs (8.2Kg)

GARDEN SPEAKER


ATS183GL

The new Atlas Sound garden speakers, designed for theme parks, hotels, and any landscaped area, simplify installation and deliver deep, rich sound. The speakers have a built in 70V line transformer with externally selected taps. An 8 ohm version is also available. The speaker is a coaxial 8", polypropylene/kevlar cone with rubber surround, ½" mylar dome tweeter, 1.5" voice coil, 21 oz. magnet.

They are designed to easily blend into any environment, as they are available in two different models with two different base types. One includes a short base for surface mounting and the other has a deeper base for in-landscape burial. The two-piece design allows for a two-phase installation. In phase one, plant the base in the ground. Phase two, after initial construction is done, the sound contractor can come back and install the speakers. This multiple step process protects the speakers from being damaged during the construction/landscaping process, and also eliminates the potential for theft from the construction site. The Garden Speaker even has a protective cover which is removed after phase two - the end of construction. Inside the enclosure, the speaker is a durable 8" coaxial speaker, with a great sounding 360-degree dispersion pattern. The enclosure is made of all weather-resistant materials, which ensure that the enclosure stays pristine in even the most temperamental and unpredictable climates. The enclosure is available in green.


ATS183GS

MODEL	SPKR HANDLING	POWER	FREQ RESPONSE SENSITIVITY	DISPERSION	TRANSFORMER
ATS183GL	FA138	100 W	43Hz to 20kHz (±7dB) 83.5dB 1W/1M (Half Space Ref)	360H x 50V	HT327 (32 W)
ATS183GS	FA138	100 W	43Hz to 20kHz (±7dB) 83.5dB 1W/1M (Half Space Ref)	360H x 50V	HT327 (32 W)
ATS183GS8	FA138	100 W	43Hz to 20kHz (±7dB) 83.5dB 1W/1M (Half Space Ref)	360H x 50V	-8 ohm
ATS183GL8	FA138	100 W	43Hz to 20kHz (±7dB) 83.5dB 1W/1M (Half Space Ref)	360H x 50V	-8 ohm

AS SERIES & W SERIES

AS115A/AS130A/AS250. Compact 8 ohm systems offer high-fidelity sound and full-frequency response. Speakers are offered in 15, 3, and 50 watt models respectively to meet a variety of stereo application requirements. AS115 and AS130 units are comprised of a 4" low-frequency reproducer and a 1" tweeter. The AS250 includes a 5¼" woofer and 1" soft dome tweeter. The enclosure is constructed of high-impact plastic. AS115 internal components are encased within a high-impact plastic enclosure. Model AS130 features a low maintenance, die-cast aluminum enclosure. All models are finished in choice of black (-B) or white (-W) and packaged as a system pair.

W115AT/W130AT/W150AT. Models deliver excellent sound reproduction in 15, 30, and 50 watt versions respectively. Units include an adjustable 8 ohm/70.7 volt selector switch to meet standard or distributed application requirements. Models W130T and W150T feature carbon fiber reinforced polypropylene cone woofer and ferrofluid tweeter housed within a low maintenance die-cast aluminum enclosure. Model W115T is an economical unit which features a 4" woofer and 1" tweeter mounted within a high-impact plastic enclosure. Models are packaged in single units and offered in choice of black (-BK) or white (-WH).

MINI-LOUDSPEAKER SPECIFICATIONS						
MODEL	**AS115A**	**AS130A**	**AS250**	**W115AT**	**W130AT**	**W150AT**
POWER RATING	15 Watts	30 Watts	50 Watts	15 Watts	30 Watts	50 Watts
IMPEDANCE	8 ohm	8 ohm	8 ohm	8 ohm/70.7 V	8 ohm/70.7 V	8 ohm/70.7 V
RESPONSE	140 Hz-20 kHz (±5dB)	120 Hz-20 kHz (±3dB)	70 Hz-20 kHz (±3dB)	140 Hz-20 kHz (±5dB)	120 Hz-20 kHz (±3dB)	75 Hz-20 kHz (±5dB)
SENSITIVITY (1W, 1M)	88dB	84dB	84dB	88dB	84dB	86dB
LF DRIVER	4" (102mm)	4" (102mm)	5¼" (133mm)	4" (102mm)	4" (102mm)	5¼" (133mm)
(LF) MAGNET WT.	8 oz.	10.3 oz.	10 oz	8 oz.	10.3 oz.	20 oz.
HF DRIVER	1" (25mm)	1"(25mm)	1" (25mm)	1" (25mm)	1" (25mm)	1" (25mm)
70.7 V TAPS (Watts)	—	—	—	1, 2, 4, 8 & 15	2, 4, 8 & 16	2.5, 5, 10 & 20
BYPASS	—	—	—	8 Ohm	8 Ohm	8 Ohm
DIMENSIONS (H x W x D)	7³⁄₁₆" x 4½" x 4⅜" (183 x 114 x 111mm)	7¼" x 4⁹⁄₁₆" x 4⅜" (184 x 116 x 111mm)	11¼" x 7⅛" x 5¼" (287 x 181 x 134mm)	7³⁄₁₆" x 4½" x 4⅜" (183 x 114 x 111mm)	7¼" x 4⁹⁄₁₆" x 4⅜" (184 x 116 x 111mm)	9" x 6⁵⁄₁₆" x 6⁹⁄₁₆" (229 x 160 x 167mm)
WEIGHT W/BRKT	4.5 lbs. (2 kg)	5.5 lbs. (2.5 kg)	5.6 lbs. (2.1kg)	4.5 lbs. (2 kg)	5.5 lbs. (2.5 kg)	10 lbs. (4.5 kg)

SUBWOOFER AMPLIFIER/ELECTRONIC CROSSOVER SYSTEM

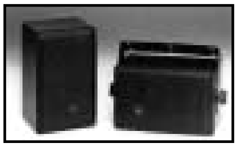
THP-CXB. Is a dedicated 100 watt RMS amplifier with an active crossover that enhances lower frequencies to the subwoofer speaker system. The THP-CXB has been designed and engineered to power all Atlas Sound 8 ohm subwoofers.

AMPLIFIER SPECIFICATIONS	THP-CXB
POWER OUTPUT:	100 Watts RMS, 8-Ohm Load 200 Watts Peak Power Output, 4-Ohm Load
ELECTRONIC CROSSOVER:	
LOW PASS:	24dB/Octave at 85 Hz
HIGH PASS:	6dB/Octave at 85 Hz
INPUT SENSITIVITY:	25mV RMS in for Rated Power
PROTECTION:	Short-Duration, Short Circuit Protection
DIMENSIONS:	17"W x 4⅛"H x 12¾"D (432 x 105 x 324 mm) (Including Volume Control Knobs and Connectors)
POWER SOURCE:	117VAC 60 Hz

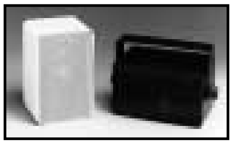
IN-FLOOR/IN-CEILING SUBWOOFER

THP-2. For those who desire totally hidden audio components, the THP-2 (U.S. Patent #5,561,717) is an in-floor or in-ceiling model that provides unlimited installation opportunities. Because of its versatile design, this passive 100 watt RMS subwoofer may be installed out-of-sight above suspended tile ceilings, between standard 16" center floor/ceiling joists, or into walls of sufficient depth—allowing the contractor to decide which installation method would be most appropriate and cost effective for each application.

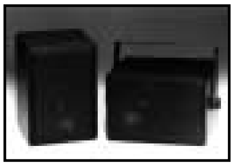
SUBWOOFER SPECIFICATIONS	THP-2
POWER HANDLING (Total System)	100 Watts RMS
DRIVER COMPLIMENT	Two 8" woofers
VOICE COILS	1½"
MAGNET WEIGHT	21 oz. (1.3 lbs.) ea.
IMPEDANCE	8 ohm (ea. driver)
SENSITIVITY (1 WATT, 1 METER)	96dB
FREQ. RESPONSE	50 - 170 Hz (± 3dB) (-10dB @ 40 Hz)
RECOMMENDED AMPLIFIER	THP-CXB (order separately)
DIMENSIONS	L: 2¹⁷⁄₈" (556mm) W: 13½" (343mm) D: 11" (279mm)
WEIGHT	32 lbs. (14.5 kg)
FINISH	Flat black



W115AT-BK
AS115A-B

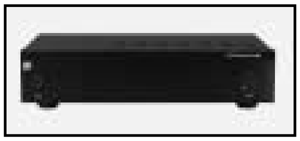


W130AT-WH and W130AT-BK
AS130A-W and AS130A-B

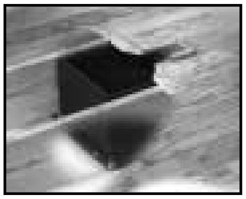


W150AT-BK

AS250-B



THP-CXB



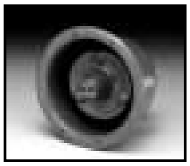
THP-2
(shown upright in-floor)

General Description: AP Series environment-resistant loudspeakers are the world standard for voice, music, and signal transmission in indoor and outdoor public address, intercom, security, and industrial signal system applications. Cost-effective, all-purpose units incorporate high-efficiency compression drivers to project through high ambient sound levels and to cover long distances at minimum installed cost. U.S.-made models assure superior intelligibility and service reliability. Weatherproof units are metal and plastic construction. AP Series transformer-equipped models now include a 3-way 25/70.7/100V transformer except Model AP-30T-25 which is 25V.

AP-15/AP-30

INDUSTRY STANDARD OMNI-PURPOSE LOUDSPEAKERS

AP-15/AP-30 Series. Patented environment-resistant, double re-entrant loudspeakers are available in 15 and 30 watt versions for medium and high-powered sound distribution. Selection includes 4 ohm models for auxiliary and mobile loudspeaker use, 45 ohm models for intercom application, and 25/70.7/100 volt transformer models with screwdriver-adjust power tap selection for a variety of sound and signaling applications. All include the Omni-Purpose® bracket for vertical/horizontal positioning and have provisions for surface/strap mounting to pillars and I-beams. Grey or beige (C) baked epoxy finish.



APF-15

RECESSED FLANGE-MOUNTING LOUDSPEAKERS

APF Series. High-efficiency, 15 watt loudspeakers are designed for recessed installation in sound and alarm system applications. Flange mounting units may be installed flush to a panel or recessed into wall or ceiling surfaces. For aesthetic consideration and retrofit convenience of existing cone loudspeaker installations, models will accept any 6" or 8" diameter recessed mounting baffle (Note: 8" baffle mounting requires model MK-2 mounting kit. See APF Series accessories, this section.) Model APF-15 installs inside a 4" deep opening. Model APF-15T fits inside a 5½" deep minimum opening and includes combination 25/70.7/100 volt transformer with screwdriver-adjust power tap selection. Finished in grey baked epoxy.

APC-30T

EXPONENTIAL LOUDSPEAKER

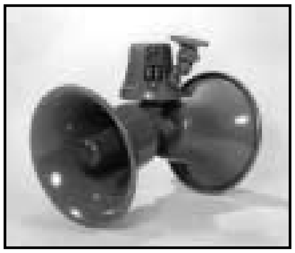
APC-30AT. High-power 30 watt loudspeaker with extended low frequency response is equipped with a wide-angle molded plastic bell for sound directivity. Transformer includes a screwdriver-adjust power selection with a 45 ohm tap for intercom and talk-back use. It also features the Omni-Purpose® bracket for vertical/horizontal positioning and have provisions for surface/strap mounting to pillars and I-beams. Finished in grey baked epoxy. For constant directivity performance, see APX Series.

APR-30AT

NEW

RADIAL LOUDSPEAKER FOR SUSPENSION MOUNTING

APR-30AT. 30 watt loudspeaker with 40˚ circular sound dispersion is designed for overhead installation in industrial, transportation, manufacturing, service, recreation and sports centers. Equipped with a combination 25/70.7/100 volt transformer with screwdriver-adjust power selection including a 45 ohm tap. Provision for suspended ceiling installation is included. Finished in grey baked epoxy. Includes conduit adapter. APR-30AT available on or around 7-15-02. Previous model (APR-30T) available until then. APR-30T does not include conduit adapter-order BX-1A if conduit it to be used.



APT-34AT

NEW

BI-DIRECTIONAL TWIN HORN

APT-34T. Surface-mounting loudspeaker with bi-directional sound dispersion provides concentrated coverage in corridors, stairwells and walkways in commercial, institutional and industrial applications. Twin horn assembly delivers 30 watts of power with a single compression driver and provides 100˚ sound dispersion in each direction. Includes the Omni-Purpose® bracket and provisions for surface/strap mounting. Equipped with a combination 25/70.7/100 volt transformer with screwdriver-adjust power selection including a 45-ohm tap. Finished in grey baked epoxy. Includes conduit adapter. APT-34AT available on or around 7-15-02. Previous model (APT-34T) available until then. APT-34T does not include conduit adapter-order BX-1A if conduit it to be used.

APW-30T

MODEL	POWER RATING	NOMINAL FREQ.	SOUND LEVEL PEAK	SOUND LEVEL *RP/1M, 1W/1M	**DIS-PERSION	IMPEDANCE	DIMENSIONS
AP-15	15 Watts	400 Hz- 14 kHz	120dB	116dB, 106dB 500-6000 Hz ±5dB	70˚	8 ohm	7⅞" W x 8¾" H x 9⁹⁄₁₆" D
AP-15T(C)						***	
AP-15-4						4 ohm	
AP-15-45						45 ohm	
APF-15	15 Watts	600 Hz- 14 kHz	120dB	114dB, 104dB 700-5500 Hz ±5dB	95˚	8 ohm	7" Dia. x 3⁷⁄₁₆" H
APF-15T						***	7" Dia. x 5³⁄₁₆" H
APW-15T	15 Watts	400 Hz- 12 kHz	120dB	116dB, 105dB 500-6000 Hz ±5dB	60˚ x 75˚	***	12" W x 6¾" H x 10⅝" D
AP-30	30 Watts	300 Hz- 12 kHz	126dB	121dB, 108dB 500-4500 Hz ±5dB	60˚	8 ohm	10" W x 10" H x 10½" D
AP-30T(C)						****	
AP-30T-25						*****	
APC-30T	30 Watts	300 Hz- 12 kHz	122dB	119dB, 109dB 400-3000 Hz ±5dB	70˚ x 95˚	****	14⅜" W x 8¼" H x 12⅞" D
APR-30AT	30 Watts	300 Hz- 12 kHz	125dB	120dB, 110dB 500-4000 Hz ±5dB	40˚	****	10½" H x 9¼" Dia.
APT-34AT	30 Watts	400 Hz- 12.5 kHz	119dB	112dB, 101dB 450-12500 Hz ±5dB	175˚	****	16½" Lg. x 9¾" Dia.
APW-30T	30 Watts	350 Hz- 12 kHz	125dB	120dB, 106dB 500-6000 Hz ±5dB	60˚ x 75˚	****	12" W x 6¾" H x 10⅝" D

* Measured at Rated Power, 1 Meter (avg) ** Angle Shown for -6dB, 2 kHz Octave Band

*** 15 Watt Xfmr. Power Taps: **25V**: .48, .94, 1.8, 7.5, 15; **70.7V**: 1, 2, 3.8, 7.5, 15; **100V**: 2, 4, 7.7, 15, X

**** 30 Watt Xfmr. Power Taps: **25V**: 0.9, 1.8, 3.7, 7.5, 15; **70.7V**: 2, 3.8, 7.5, 15, 30; **100V**: 4, 1.7, 15, 30, X

***** AP-30T-25 Xfmr. Power Taps: **25V**: 1.2, 2.5, 5, 7.5, 15, 30

SURFACE OR FLANGE-MOUNTING EXPONENTIAL

APW Series. High-efficiency 15 and 30 watt loudspeakers provide optimum directed and wide area sound dispersion and high intelligibility for application in medium and high-power commercial sound, intercom and protective signal systems. The exponential flare-rate of the projector bell increases high-frequency dispersion while retaining the space relationship required for good low-frequency reproduction. All models include the Omni-Purpose® mounting bracket and provisions for surface or strap mounting. Additionally, the APW Series may be recessed into a 6½" x 11" baffle cutout and mounted to any flat baffle surface with four screws. Combination 25/70.7/100 volt transformer features screwdriver adjust power selection which includes a 45 ohm tap. Finished in grey baked epoxy. ABS and metal environment-resistant construction. For constant directivity performance, see APX Series.

WIDE FREQUENCY & CONSISTENT BEAMWIDTH CONTROL

Models APX20TN and APX40TN are conservatively rated 20 watt and 40 watt, constant-directivity paging loudspeakers for use in public address or paging applications. The 20 watt model includes a 15 watt tap at 70V; the 40 watt model has a 30 watt tap at 70V. Environment-resistant units feature a 60° x 40° (±10 degrees) constant-dispersion pattern across the controlled frequency band of 1.25-10 kHz. The rotating bell pivots in precise 15° increments for exact on-site positioning of projection angles. A triple lock security mounting method saves installation time and provides long-term stability. APX models are equipped with an internal 25/70.7/100 volt transformer with screw terminal connections made beneath the rear cap. Rear cap will facilitate armored cable. Power stripe code around the driver assembly provides identification of power rating from a distance. One blue band equates to the 20 watt model while the 40 watt version displays two bands. Loudspeaker mounts to die-cast zinc base. Pre-mount the base to a standard 1-gang, 2-gang, or 4" sq. E.O. box. If replacing AP Series speakers, simply remove the APX base and mount to the Omni-Purpose® bracket. Loudspeaker construction is UL94 polycarbonate resin with UV light inhibitor added to prevent enbrittlement or discoloration. Finish is neutral. Dimension: 14½" W x 10¼" H x 13¼" D (368 x260 x 337mm). Weight: 6 lbs. (2.7kg).

MODEL	POWER RATING	NOMINAL FREQ.*	SOUND LEVEL		DIS-PERSION	IMPED-ANCE	DIMENSIONS
			PEAK	**RP/1M, 1W/1M			
APX20TN	20 Watts	400 - 7500 Hz	122dB	118, 107dB 500-5000 Hz (±5dB)	60° x 40°	***	14½" W x 10¼" H x 13¼" D
APX40TN	40 Watts	400 7500Hz	124dB	120, 107dB 500-5000 Hz (±5dB)	60° x 40°	***	14½" W x 10¼" H x 13¼" D

* ±6dB

** Measured at Rated Power, 1 Meter (avg)

****20 Watt Xfmr. Power Taps: 25v: .63, 1.25, 1.88, 2.5, 5, 10, 20; 70.7v: 1.25, 2.5, 10, 15, 20; 100v: 2.5, 5, 10, 20
40 Watt Xfmr. Power Taps: 25v: .63, 1.25, 2.5, 3.75, 5, 10, 20, 40; 70.7v: 2.5, 10, 20, 30, 40; 100v: 5, 10, 20, 40

"X"-TRA VALUE FEATURES

Rotating Bell

Triple Lock Security

"Power Stripe" Code

Quality Materials

"X"-TRA EASY INSTALLATION

Universal base mounts 1-gang, 2-gang or 4" sq. E.O. boxes.

20 watt model includes 15 watt tap @ 70V

40 watt model includes 30 watt tap @ 70V.

"X"-TRA PREDICTABILITY

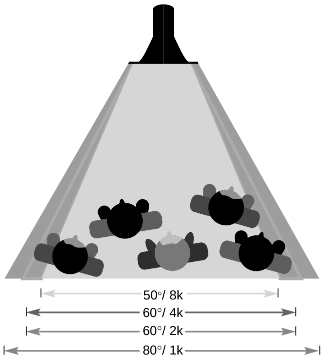
Clear Messaging and Music

Consistent Beamwidth Control

Fewer Speakers to Provide Quality Communications

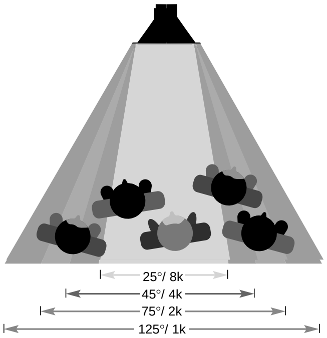
APX BEAMWIDTH

Controlled Coverage
Across a Wide Freq. Range

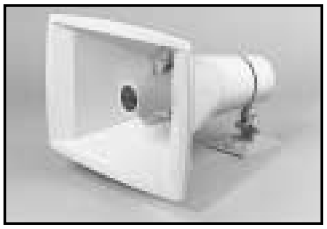


CONVENTIONAL BEAMWIDTH

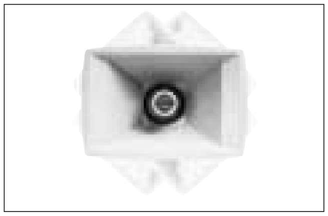
Collapsing Coverage
Across a Wide Freq. Range



* Typical exponential coverage illustrated

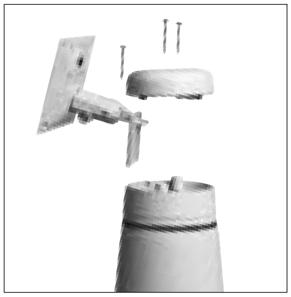


APX20TN



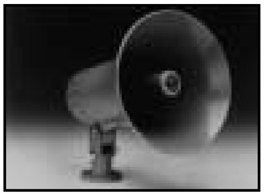
Bell rotates in 15° increments

1 Stripe=20w 2 Stripes=40w
"Power Stripe Code"



Triple-lock horn-to-base mounting

UTILITY PAGING RE-ENTRANT HORN LOUDSPEAKERS


GA-30T

GA Series. Double-re-entrant 15 and 30 watt utility horns offer economical and efficient sound penetration for general paging, music, and intercom use. Models GA-15T and GA-30T feature a combination 25/70.7 volt line transformer with multi-position knob for selecting power taps. In addition, loudspeakers include wiring for an 8 ohm connection. Units are ideally suited for installations in commercial buildings, sports facilities and any applications where direct sound coverage is desired. GA Series models are constructed of weather resistant, high-impact plastic for indoor/outdoor installations and feature an adjustable surface mounting bracket to allow for multiple vertical and horizontal positioning. Loudspeakers are finished in gray.

MODEL	POWER RATING	NOMINAL FREQ.	SOUND LEVEL		**DISPERSION	IMPEDANCE	DIMENSIONS
			PEAK	*RP/1M, 1W/1M			
GA-15T	15 Watts	400 Hz- 6 kHz	120dB	112dB, 103dB 500-3000 Hz ±5dB	80˚	***	7½" Dia. x 9⅜" D
GA-30T	30 Watts	350 Hz- 7.5 kHz	123dB	118dB, 106dB 500-3000 Hz ±5dB	60˚	****	10" Dia. x 12" D

* Measured at Rated Power, 1 Meter (avg)
** Angle Shown for -6dB, 2 kHz Octave Band
*** 15 Watt Xfmr. Power Taps: 25v: 0.5, 1, 2, 4, 8; 70.7V: 1, 2, 4, 8, 15
**** 30 Watt Xfmr. Power Taps: 25v: 1, 2, 4, 8, 15; 70.7V: 2, 4, 8, 15, 30

COMPACT, HIGH-EFFICIENCY LOUDSPEAKERS

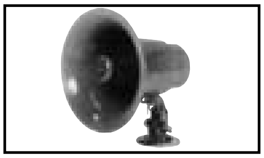
SC-15

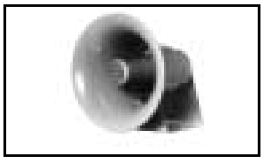
SC Series. Cost-effective series with versatile application provides directional sound projection and spot coverage in indoor and outdoor intercom and paging systems or functions as an extension loudspeaker to alarm systems and communication receivers. Standard Model SC-15 is an 8 ohm speaker and may be used with an external 25/70.7 volt transformer (order separately). Includes detachable swivel bracket. Weather-resistant construction. Finished in light beige epoxy.
– Also available SC15-45 (45 ohm) version.

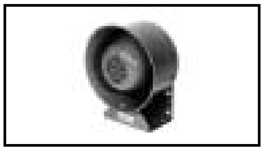
MODEL	POWER RATING	NOMINAL FREQ.	SOUND LEVEL		**DISPERSION	IMPEDANCE	DIMENSIONS
			PEAK	*RP/1M, 1W/1M			
SC-15	15 Watts	600 Hz- 6 kHz	117dB	114dB, 103dB 600-6000 Hz ±5dB	95˚	8 ohm	6¼" Dia. x 6½" D

* Measured at Rated Power, 1 Meter (avg)
** Angle Shown for -6dB, 2 kHz Octave Band

UTILITY AND MOBILE COMMUNICATIONS LOUDSPEAKERS


RCM-15


RCR-15


MO-2

RC Series. Accessory loudspeaker enhances voice intelligibility-range for communications, radiotelephone, electronic hailer and alarm system installations in marine and vehicular applications. Series meets the element and vibration resistance requirements of industrial, service and utility vehicles and is recommended for area paging, intercom and low-power siren applications. Voice coil impedance is 8 ohm. Model RCM-15 has a round projector and includes the Omni-Purpose® mounting bracket for vertical and horizontal positioning. Model RCR-15 includes round projector bell and rigid 90˚ angle platform-mount.

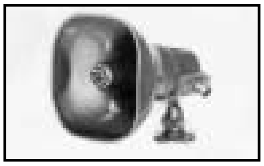
MO-2. Compact, 8 ohm unit is designed for signal transmission in vehicular alarm, CB, marine radio and transceiver installations where concealed mounting or minimum aerodynamic obstruction is desired.

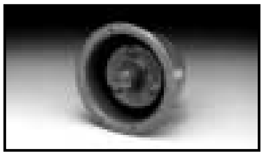
MODEL	POWER RATING	NOMINAL FREQ.	SOUND LEVEL		**DISPERSION	IMPEDANCE	DIMENSIONS
			PEAK	*RP/1M, 1W/1M			
RCM-15	15 Watts	350 Hz- 13 kHz	120dB	106dB, 105dB 700-5800 Hz ±5dB	120˚	8 Ohm	7½" Dia. x 7¼" D
RCR-15	15 Watts	350 Hz- 13 kHz	120dB	106dB, 105dB 700-5800 Hz ±5dB	120˚	8 Ohm	7½" Dia. x 7½" D
MO-2	25 Watts	400 Hz- 15 kHz	122dB	115dB, 108dB 550-13500 Hz ±5dB	85˚	8 Ohm	6⅝" W x 8" H x 4³⁄₁₆" D

* Measured at Rated Power, 1 Meter (avg)
** Angle Shown for -6dB, 2 kHz Octave Band

VOICE CONTROL™ LOUDSPEAKERS FOR EMERGENCY SIGNALING

HIGH-POWER RE-ENTRANT LOUDSPEAKERS


AP-15TUC


APF-15TUC

AP-15TU/APF-15TU Series. 15 watt surface and flange mounting loudspeakers for life safety and communication system applications are designed for use with compatible control equipment to provide high-intelligibility voice and signal transmission in emergency alarm, protective signaling, sound and intercom system installations. AP-15TU(C)/AP-15TUCR Series are surface mounting units with Omni-Purpose® mounting bracket for vertical and horizontal positioning. Series also includes provisions for surface or strap mounting to pillars and I-beams. APF-15TU(C) Series are flange mounting units for recessed installation. All models include 25/70.7V Vari-Tap® transformer. Units with (C) suffix include 5-mfd capacitor for line supervision. Weatherproof construction. Finished in grey baked epoxy or red (R) as noted. *Models comply with UL Standard 1480—Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19). Models with special modifications to meet New York City MEA (Calendar no. 57-74-SA) and UL Canada are also available as standard product. Contact factory.*

MODEL	POWER RATING	UL RATED FREQ.	SOUND LEVEL		**DISPERSION	IMPEDANCE	DIMENSIONS
			****10*	*RP/1M, 1W/1M			
AP-15TU(C) **AP-15TUCR**	15 Watts	400 Hz- 4 kHz	102dB	116dB, 106dB 500-6000 Hz ±5dB	70˚	***	7⅞" W x 8¾" H x 9⁵⁄₁₆" D
APF-15TU(C)	15 Watts	400 Hz- 4 kHz	102dB	114dB, 104dB 700-5500 Hz ±5dB	95˚	***	7" Dia. x 5³⁄₁₆" H

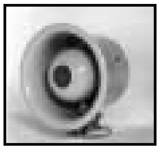
* Measured at Rated Power, 1 Meter (avg)
*** 15 Watt Xfmr. Power Taps: 25v: .48, .94, 1.8, 7.5, 15; 70.7v: 1, 2, 3.8, 7.5, 15
** Angle Shown for -6dB, 2 kHz Octave Band
**** UL Rating at 15 Watts, 10 ft. (3dB increment rating)

7.5, 15 & 30 WATT LOUDSPEAKERS

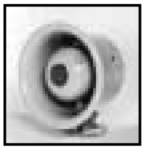
WR/WT Series. Environment-resistant loudspeaker series provides the advantages of full-range music reproduction, high-efficiency voice/signal transmission and long-lasting service reliability. Recommended for background and high-power music installations in stadiums, arenas, malls and shopping centers, hotels, schools, lobbies, pools and recreational facilities. Choice of 7.5, 15 and 30 watt continuous power handling models with transformer option. Assemblies are housed within a metal, weather-resistant enclosure. Finished in light beige epoxy. WR-5AT available on or around 7-15-02. Previous model (WR-5T) available until then.

MODEL	POWER RATING	NOMINAL FREQ.	SOUND LEVEL		**DIS-PERSION	IMPED-ANCE	DIMENSIONS
			PEAK	*RP/1M, 1W/1MΔ			
WR-5	7.5 Watts	375 Hz-10 kHz	111dB	105dB, 97dB 400-7800 Hz ±5dB	95°	8 ohm	6" Dia. x 4" D
WR-5AT						***	
WT-15T	15 Watts	150 Hz-15 kHz	113dB	107dB, 96dB 200-10000 Hz ±5dB	40° x 55°	****	13¼" W x 10" D
WT-30T	30 Watts	100 Hz-15 kHz	120dB	114dB, 104dB 250-7800 Hz ±5dB	95°	*****	15" Dia. x 11¼" D

* Measured at Rated Power, 1 Meter (avg)
** Angle Shown for -6dB, 2 kHz Octave Band
*** 7.5 Watt Xfmr. Power Taps: 70.7V: 0.65, 1.25, 2.5, 5.0, 7.5
**** 15 Watt Xfmr. Power Taps: 70.7V: 1.25, 2.5, 5, 7.5, 15
***** 30 Watt Xfmr. Power Taps: 70.7V: 2.5, 5, 7.5, 15, 30
Δ WT-30T measured at lowest tap/1M

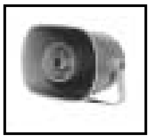


WR-5

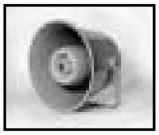


NEW

WR-5AT



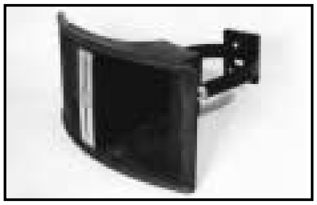
WT-15T



WT-30T

BI-AXIAL HORN WITH GIMBAL MOUNT

BIA-100. Features a twin reflex air column for controlled directivity and an exponential bell for constant sound dispersion and linear frequency response emphasis. Unit is designed for use with compression driver units in high-power voice, music and signaling systems including service and mass transit centers, industry and commerce, educational and institutional applications. Patented gimbal mount for surface or flange mounting provides labor-saving installation and horizontal/vertical positioning adjustment. Non-resonant foam construction is suitable for indoor and outdoor application. Finished in non-glare matte black.



BIA-100

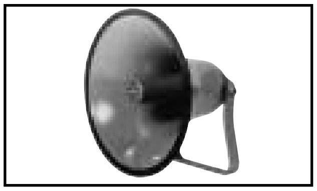
HORN FOR EXPONENTIAL SOUND DISPERSION

CJ-46. All-purpose unit is a low silhouette, directional horn for sound and signaling installations where wide-area dispersion and maximum sound and audibility are required. Recommended for use with compression driver units in indoor and outdoor applications including community warning systems, sports and leisure facilities, industry and commerce. Mounting bracket for vertical, horizontal or stacked positioning is heavy-duty steel with positive lock. Weatherproof bell is all-fiberglass construction finished in black.

CJ-46

HORNS FOR UNIFORM DIRECTIONAL SOUND PROJECTION

DR Series. Circular horns offer clean and uniform reflex sound path for high-efficiency penetration of voice or music over distance and ambient noise. Designed for use with compression drivers in sound and signaling installations including industrial plants, retail service establishments, sports facilities, church towers, amusement parks, and mass transit terminals. Includes heavy duty "U" shaped mounting bracket. All-metal construction. Finished in grey baked epoxy.



DR-42

SOUND PRESSURE LEVELS OF REFLEX HORNS
WITH ATLAS SOUND COMPRESSION DRIVERS (Measured at Full Power at 1M)

MODEL	DISPERSION	AIR COLUMN LENGTH	LOW END CUT-OFF	BELL SIZE	LENGTH
BIA-100	130° x 60°	2¾'	180 Hz	21" W x 10¼" H x 10¾" D	19¼"
CJ-46	120° x 60°	4½'	115 Hz	22" x 12"	17"
DR-32	95°	2½'	190 Hz	16½" Dia.	12½"
DR-42	85°	3½'	140 Hz	20" Dia.	16"
DR-54	75°	4½'	115 Hz	26" Dia.	19"
DR-72	65°	6½'	85 Hz	31" Dia.	28"

SOUND PRESSURE LEVELS OF REFLEX HORNS
WITH ATLAS SOUND COMPRESSION DRIVERS (Measured at Full Power at 1M)

MODEL	MODEL PD-30T	MODEL PD-5VH/PD-5VT	MODEL PD-60/PD-60T
BIA-100	125dB	126dB	128dB
CJ-46	125dB	128dB	129dB
DR-32	124dB	124dB	130dB
DR-42	125dB	125dB	131dB
DR-54	125dB	127dB	132dB
DR-72	127dB	129dB	135dB

HIGH-EFFICIENCY COMPRESSION DRIVER UNITS

PD-30T

PD-5VT

PD-5VH

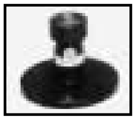
PD60AT

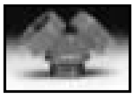
30, 40 AND 60 WATT DRIVERS

PD Series. Competitively priced compression drivers provide accurate sound reproduction, optimum intelligibility and dependable performance in commercial sound, high-power music and public address loudspeaker systems. Models are equally suited for application with Atlas Sound projector horns or as replacement drivers for use with standard 1⅜" - 18 male thread horns.

MODEL	POWER RATING	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL (±5dB)*	IMPEDANCE
PD-30	30 W	300 - 3,900 Hz (±5dB)	500 Hz	113.6 (avg) 300 - 3,900 Hz	8 (Nom.)
PD-30-16					16 (Nom.)
PD-30T					**
PD-5VH	40 W	110 - 4,100 Hz (±5dB)	250 Hz	110.7 (avg) 110 - 4,100 Hz	16 (Nom.)
PD-5VT	40 W	190 - 4,200 Hz (±5dB)	300 Hz	111.2 (avg) 190 - 4,200 Hz	***
PD60A	60 W	100 - 3,700 Hz (±5dB)	300 Hz	112.7 (avg) 100 - 3,700 Hz	16 (Nom.)
PD60AT					****

* Measured on a plane wave tube at 1 mW
** 30 Watt Xfmr. Power Taps: 70.7V: 1.8, 3.7, 7.5, 15, 30
*** 40 Watt Xfmr. Power Taps: 70.7V: 2.5, 5, 10, 20, 40
**** 60 Watt Xfmr. Power Taps: 70.7V: 2.5, 5, 10, 20, 40, 60


DA-FH

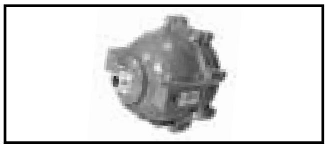

YDA-TH

UNIVERSAL DRIVER-TO-HORN ADAPTERS

DA-FH. Compression driver adapter for flange-terminated sound projectors.
(1⅜"-18F to 1" throat bolt-on)

YDA-TH. Dual adapter for combining two compression drivers to one sound projector.
(Two 1⅜"-18F thread to 1⅜"-18M thread)

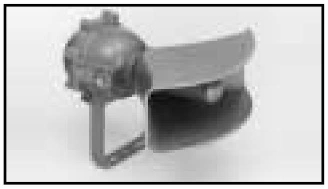
EXPLOSION-PROOF LOUDSPEAKERS


HLE-1 Driver

30 AND 60 WATT LOUDSPEAKERS

HLE and MLE Series. These UL and CSA (HLE Models only) listed loudspeakers are specified for high-efficiency transmission of voice and/or electronic signals within explosive or combustible atmospheres and environments. Drivers and projector horns may be configured to comply with specific environment classification groups within Class 1 ratings. HLE Series drivers are 60 watts. MLE Series are 30 watts. Both are offered with an internally mounted line transformer (-T) or without. To meet UL Standards for loudspeakers in distributed applications, models with factory-mounted transformer (-T) must be specified. Projector horn Model HLE/MLE-30 is a reflex-type sound projector of molded plastic with wide-angle dispersion. Model HLE/MLE-32 is an all-metal circular reflex horn with directional sound distribution pattern. Drivers and projector horns are ordered and shipped separately. For performance accuracy, specifications are listed for assembled configurations. All models are equipped with ½" conduit access and adjustable mounting bracket. Horn Model HLE/MLE-30 with a mounted driver measures 14" W x 6" H x 17½" D. Model HLE/MLE-32 horn with a mounted driver is 16½" Dia. x 21½" D.

For Canadian Use: ULC listed product (HLE 2 Series) are available in both Class2 (Explosion Proof and Dust Ignition Proof Electrical Equipment) and Class 3 (Explosion Proof). Please call for details. Atlas Sound explosion proof speakers meet division 1 & division 2 criteria. UL Listings include: UL1203; UL1604: UL2279: UL913 & UL813.


HLE-1 Driver mounted
to HLE/MLE-30 Horn

	Model Combination		POWER RATING	FREQ. RESP.	SOUND LEVEL*	SENSI-TIVITY**	DIS-PERSION	IMPED-ANCE	INTERNAL XFMR***
	DRIVER	WITH HORN							
★	**HLE-1(T)**	**HLE/MLE-30**	60 Watts Cont.	250 Hz- 12 kHz	109dB	-18dBm	120° x 60°	16 ohm	60 Watt (Model T-18)
★	**HLE-3(T)**	**HLE/MLE-30**			108dB				
★	**MLE-1(T)**	**HLE/MLE-30**	30 Watts Cont.	300 Hz 14 kHz	107dB	-21dBm	120° x 60°	8 ohm	30 Watt (Model T-20)
★	**MLE-3(T)**	**HLE/MLE-30**			106dB				
★	**HLE-1(T)**	**HLE/MLE-32**	60 Watts Cont.	190 Hz 12 kHz	112dB	-16dBm	95°	16 ohm	60 Watt (Model T-18)
★	**HLE-3(T)**	**HLE/MLE-32**			111dB				
★	**MLE-1(T)**	**HLE/MLE-32**	30 Watts Cont.	200 Hz 10 kHz	110dB	-20dBm	95°	8 ohm	30 Watt (Model T-20)
★	**MLE-3(T)**	**HLE/MLE-32**			110dB				

* Measured at 1 watt, 1 meter. ** As microphone; re 10 dynes/cm2 *** T versions only

HLE-1 Driver mounted
to HLE/MLE-32 Horn

UNDERWRITERS' LABORATORY LISTINGS		
MODELS	**CLASS/GROUP**	**FOR ATMOSPHERE CONTAINING:**
HLE-1 **MLE-1**	Class 1 / Group C & D	Gas Atmospheres (Including Ethyl, Ether, Gasoline Naptha, Alcohols, Butane, Propane)
HLE-3 **MLE-3**	Class 1 / Group B, C & D	Gas Atmospheres (Including Ethyl, Ether, Gasoline Naptha, Alcohols, Butane, Propane), plus Hydrogen, Gas and Vapor, (Manufactured Gas).

★ Model Series HLE and MLE are listed under UL 813 (Commercial Audio Equipment) and UL 1203 (Explosion-Proof Electrical Equipment). HLE Series is also CSA listed.

15, 30 AND 60 WATT TRANSFORMERS

Atlas Sound constant-voltage line-matching transformers are designed for use with compression driver type loudspeakers. U.S. made for dependable performance and service reliability, all units provide low insertion loss and cost-efficient power handling. (Transformers for cone loudspeakers are listed in Section 1.)

T-10. 15 watt transformer includes external “power reminder” indicator to reference the power setting in use. Primary: 8K, 4K, 2K, 1K, 670, 325, 180, 90 and 45 ohm. 70.7 Volt taps: .65, 1.25, 2.5, 5, 7.5, 15. Secondary: 4, 8 and 16 ohm.

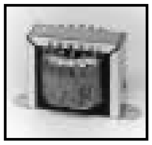
T-11. 15 watt transformer in weatherproof housing. Specifications are the same as Model T-10.

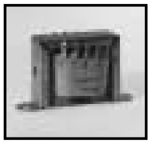
T-18. 60 watt transformer without weatherproof housing. Primary: 2K, 1K, 500, 250, 125, 85 and 45 ohm. 70.7 Volt power taps: 2.5, 5, 10, 20, 40, 60. Secondary: 4, 8 and 16 ohm.

T-20. 30 watt transformer. Primary: 2500, 1300, 666, 333, 167, 89 and 45 ohm. 25 Volt power taps: 1.89, 3.7, 7 and 15. 70.7-Volt power taps: 1.8, 3.7, 7.5, 15 and 30. Secondary: 8 ohm.

T-10

T-11

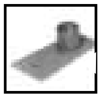

T-18

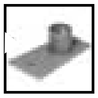

T-20

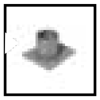
CABLE/CONDUIT ADAPTERS

Vandal-resistant cover plates for armored cable and conduit connection are designed for use with environment-resistant, double re-entrant loudspeakers. BX Series mounts standard male threaded pipe with 14 threads per inch. Construction is cast aluminum.

MODEL	MOUNTS
BX-1A	APC-30 Series, APW-30T
BX-2A	AP-15, AP-15T, APW-15T
BX-3A	APF-15, APF-15T


BX-1A


BX-2A


BX-3A

MOUNTING ACCESSORIES

APBK. Replacement Omni-Purpose® swivel bracket bracket, grey.

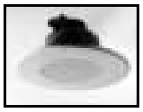
MK-2. Mounting kit for installation of APF Series flange loudspeakers to 8" diameter loudspeaker baffles.

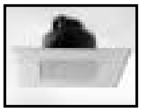
XS8200601. AP-style Omni-Purpose® base only, painted neutral to match APX Series constant directivity loudspeakers.

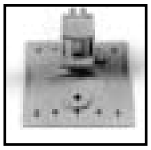
APXBK-N. APX Base/swivel assembly; neutral color.

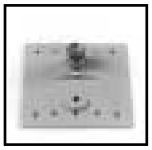
APXB-G. APX Base only; grey (matches AP Series).

APXB-N. APX Base only, neutral color.


L20-100
Shown with
APF-15T and BX-3


L20-101
Shown with
APF-15T


APXBK-N


APXB-N

APF SERIES BAFFLES, ENCLOSURES & MOUNTING RINGS

L20-100. Round grille. CRS construction with baked white epoxy finish. Mounts APF-15 or APF-15T. 11" (279mm) Dia. x ⅜" (10mm) Deep.

L20-101. Square grille. CRS construction with baked white epoxy finish. Mounts APF-15 or APF-15T. 10½" Sq. (267mm) x 3⁄16" (5mm) Deep.

L20-201. Recessed 20-ga. CRS enclosure for L20-100 grille. Includes combination conduit knockouts for access. Undercoated to prevent resonance. 8 9⁄16" (217mm) Dia. x 6"(152mm) Deep.

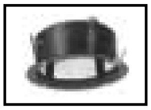
L20-213. Square surface enclosure for mounting L20-101 grille. Conduit knockouts and mounting holes located in top. White epoxy finish. 10½" Sq. (270mm) x 6" (152mm) Deep.

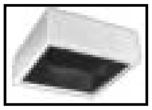
L20-220. Round mounting ring for L20-100 grille. 89⁄16" (217mm) Dia. x 5⁄8" (16mm) Deep.

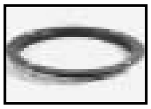
L20-222. Same as L20-220 with mounting ears for 24" (610mm) lay-in tile.

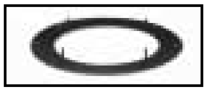
193-8-6. Cost-efficient enclosure is provided in two depths and furnished with four compound conduit knockouts for standard screw-mount baffle installation. Construction is CRS, undercoated and finished in black epoxy.

FAMT-6. Mounting ring/adapter allows a 6" cone or APF Series loudspeaker to mount an 8" enclosure and/or grille.


L20-201


L20-213


L20-220


FAMT-6

This guide will assist you in ordering Atlas Sound baffle/enclosure/mounting ring/tile bridge combinations. On this page, Atlas Sound baffle model numbers appear in numerical/alphabetical order along with the enclosure(s), mounting ring(s), or tile bridge(s) to which the models mount. Atlas Sound enclosure, mounting ring, and tile bridge model numbers are listed with their corresponding baffle(s) on the next page.

BAFFLES

	MOUNTS		
BAFFLE	**MTG. RING**	**T-BRIDGE**	**ENCLOSURE**
51-4	76-4	81-4	(EZ)96-4 Series, (EZ)96-4X Series
51-8	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81****	(EZ)96-8 Series****
☼❄ **60-4**	76-4	81-4	(EZ)96-4 Series, (EZ)96-4X Series
☼❄ **60-8(W)**	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81****	(EZ)96-8 Series****
61-8W	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81****	(EZ)96-8 Series****
61-12W	--	—	95-12
62-8 **63-8**	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81****	(EZ)96-8 Series****
160-8SWA	72-8E1	—	198-8 Series
161-4	—	—	198-4, SE198-4
161-8	72-8E1	81-8S	198-8 Series, SE175-4
164-8A	71-8(E1)(E2)	81-8S	(SM)191-78 Series, Q418, QS408
164-12A	—	—	Q4412, Q4612, Q4712, Q4812
164-15A	—	—	Q4915
169-8	73-8(E1)	81-8S	193-8 (-6)
170-8A	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81****	(EZ)96-8 Series****
☼❄ **410-4** ☼❄ **410-8(W)**	—	—	(49 octagon E.O. box)
415-8(W) **417-8WD**	—	—	(included)
☼❄ **510-4** ☼❄ **510-8(W)**	—	—	(49 octagon E.O. box)
☼❄ **512-8**	—	—	(standard E.O. box)
612-8	—	—	(49 octagon E.O. box)
830-89A	—	—	194-89, SM194-89
830-812A	—	—	194-812, SM194-812
840-89A	—	—	195-89, SM195-89
840-812A	—	—	195-812, SM195-812
DC162-8	—	—	191-78
EQ61	—	EQ81	EQ818-BX, Q408
EQ164A	—	EQ81	EQ818-BX, Q408
FA51-4 **FA170-4** **FA720-4** **FA730-4**	FAPR-4 FA-TR4**	FA81-4*	FA97-4(NK), FA95-4
FA51-6 **FA170-6** **FA720-6** **FA730-6**	FAPR-6 FA-TR6**	FA81-6*	FA97-6(NK), FA95-6(NK)
FA51-8 **FA170-8** **FA720-8** **FA730-8**	FAPR-8 FA-TR8**	FA81-8*	FA97-8(NK), FA95-8

	MOUNTS		
BAFFLE	**MTG. RING**	**T-BRIDGE**	**ENCLOSURE**
G22-8	—	—	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series, Q408, CS95-8(NS), BMT95-8(7)
L20-100	L20-220, L20-222	—	L20-201
L20-101	—	—	193-8(-6)
☼❄ **M222W**	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81*	(EZ)96-8 Series****
NC850-89B **NC850-812B**	—	—	E850
☼❄ **P900**	75-8(E2), 76-8(E2), P77-8, P78-8	81-8R(S)	(EZ)95-8 Series, T95-8 Series, Q408, CS95-8(NS), BMT95-8(7)
		EQ81*	(EZ)96-8 Series****
☼❄ **P910**	73-8(E1)	81-8S	193-8(-6)
T51-4* **	PR411	FA81-4*	E410(-11), E410-NK, EZE410
T51-84***	—	—	BMT95-4(-7)
T51-8***	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
☼❄ **T60-4*****	PR411	FA81-4*	E410(-11), E410NK, EZE410
☼❄ **T60-8(W)***** **T61-8W*****	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
T62-8***	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
T161-8***	—	81-8S	T198-8, T198-8-8, SE175-4
T164-8A***	—	81-8S	T191-78
T610-8W***	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
T620-8***	—	81-8S	T198-8(-8), SE175-4
T710-4***	PR411	FA81-4*	E410(-11), E410NK, EZE410
T710-8***	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
T720-4***	PR411	FA81-4*	E410(-11), E410NK, EZE410
T720-4BT***	PR411	—	BMT95-4(-7), (EZ)E410 Series
T720-8A***	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
T730-4(B)(W)***	PR411	FA81-4*	BMT95-4(7), (EZ)E410 Series
T730-8(B)(W)***	T175-8	—	T195-8(NK),EZ195-8
☼❄ **TM222W*****	T75-8(E1)(E2)	81-8S	T95-8 Series, BMT95-8(-7), EZ95-8
☼❄ **VP60-R**	75-8(E2), 76-8(E2)	—	(T)95-8 Series, 96-8 Series, CS95-8, Q408
VP161-APF	73-8(E1)	—	SE161-R(R6), 193-8(-6),
VP161-R4 **VP161-R8**	73-8(E1)	—	193-8, SE161-R(R6), 193-8(-6)
☼❄ **VP410-S** ☼❄ **VP510-B**	—	—	(standard E.O. box)
☼❄ **X44** ☼❄ **X45** ☼❄ **X8409** ☼❄ **X8414**	—	—	(standard E.O. box)

☼❄ May be appropriate for indoor/outdoor use provided suitable hardware and gaskets are used.

Notes:

* The FA81-4, FA81-6 & FA81-8 will only support the enclosure. To attach both grille and speaker, a FA enclosure or ring must be purchased.

** The FA-TR trim ring is for pre-construction use. It defines the cut-out hole, but provides no attachment points for either speakers or grilles. FA enclosures or plaster rings must be purchased in addition to the FA-TR.

*** NOTE: For proper support, torsion spring grilles should not be used with any loudspeaker/transformer assembly exceeding 5 lbs.

**** EQ81 Tile bridge works only with the EQ818-BX, Q408 and 96-8 Series enclosures.

***** The T620-8 will not accommodate an enclosure when used with the 81-S tile bridge.

****** The T620-8 will not work with the T198-8 enclosure when used with the 81-S tile bridge.

ENCLOSURES

MODEL	MOUNTS BAFFLE
95-8(NK)	
95-8NS **95-8-7** **95-8-10**	51-8, 60-8(W), 61-8W, 62-8, 63-8,170-8A, G22-8, M222W, P900, VP60-R
95-12	61-12W
96-4 **96-4X**	51-4, 60-4
96-8(NK) **96-8-7** **96-8-10**	51-8, 60-8(W), 61-8W, 62-8, 63-8,170-8A, G22-8, M222W, P900, VP60-R
191-78	DC162-8, 164-8A
191-78-8	164-8A
193-8(-6)	169-8, P910, VP161-R4(R8), L20-101
194-89	830-89A
194-812	830-812A
195-89	840-89A
195-812	840-812A
198-4	161-4
198-8	160-8SWA, 161-8
BMT95-4(-7)	T51-84, T720-4BT
BMT95-8(-7)	(T)51-8, (T)60-8(W), (T)61-8W, (T)62-8, 63-8, 170-8, G22-8, M222W, T610-8(W), T710-8, T720-8A, TM222W, P900, VP60-R
CS95-8	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8, G22-8, M222W, P900, VP60-R
E410(NK)(-11)	T51-4, T60-4, T710-4, T720-4(BT), T730-4B(W)
E850	NC850-89B, NC850-812B
EQ818-BX	(EQ818 Series loudspeaker assemblies with EQ61 and EQ164 baffles)
EZ95-8	51-8, 60-8(W), 61-8W, (T)62-8, 63-8, 170-8, G22-8, M222W, P900, T51-8, T60-8, T61-8W, T610-8, T710-8, T720-8A, TM222W
EZ96-4 **EZ96-4X**	51-4, 60-4
EZ96-8	G22-8, 51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8A, M222W, P900
EZ195-8	T730-8W

MODEL	MOUNTS BAFFLE
EZE410	T51-4, T60-4, T710-4, T720-4(BT), T730-4B(W)
FA95-4 **FA97-4 (NK)**	FA51-4, FA170-4, FA720-4, FA730-4
FA95-6 (NK) **FA97-6 (NK)**	FA51-6, FA170-6, FA720-6, FA730-6
FA95-8 **FA97-8 (NK)**	FA51-8, FA170-8, FA720-8, FA730-8
L20-201	L20-100
Q408	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8A, EQ61, EQ164, G22-8, M222W, P900, VP60-R
Q418	164-8A
Q428-S	(included)
Q4412 **Q4612** **Q4712** **Q4812**	164-12A
Q4915	164-15A
QS408	164-8A
SE161-R(R6)	VP161-APF, VP161-R4(R8)
SE175-4	(T)161-8, T620-8
SE198-4	161-4
SM191-78 **SM191-78-8**	164-8A
SM194-89	830-89A
SM194-812	830-812A
SM195-89	840-89A
SM195-812	840-812A
T95-8(NK) **T95-8NS** **T95-8-7** **T95-8-10**	(T)51-8, (T)60-8(W), (T)61-8W, (T)62-8, 63-8, 170-8A, G22-8, M222W, T610-8(W), T710-8, T720-8A, TM222W, P900, VP60-R
T191-78	T164-8A
T195-8(NK)	T730-8(-B)(-W)
T198-8	T161-8, T620-8******

TILE BRIDGES

MODEL	MOUNTS BAFFLE
81-4	51-4, 60-4
81-8R	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8, M222W, P900
81-8S	51-8, T51-8, 60-8(W), T60-8(W), 61-8W, T61-8W, (T)62-8, 63-8, 161-8, T161-8, 164-8A, T164-8A, 169-8, 170-8, M222W, TM222W, T620-8*****, T610-8(W), T710-8, T720-8A, P900, P910

MODEL	MOUNTS LOUDSPEAKER ASSEMBLY
EQ81**	EQ818 Series with EQ818-BX enclosure, 96-8 Series
FA81-4*	FA-4 Series spkr. with FA97-4/FA95-4 encl. or FAPR-4,
	E410, E410-11
FA81-6*	FA-6 Series spkr. with FA97-6/FA95-6 encl. or FAPR-6
FA81-8*	FA-8 Series spkr. with FA97-8/FA95-8 encl. or FAPR-8

Channel Supports

180 Series. For application in suspended ceiling installations where adequate support is notavailable to mount loudspeaker, enclosure and baffle. Furnished with provisions to mount anytype of protective enclosure or plaster frame. CRS construction. Galvanized finish.

186 Series. Support rails provide quick and efficient installation of protective enclosures andmounting rings in 16" (406mm) and 24" (610mm) stud ceiling construction. Adjustable slot andsliding basket nut allow a wide range of positioning flexibility to meet your application requirements.186 Series is ideal for use with 95 and 96 Series enclosures and 75 and 76 Seriesmounting rings for 8" loud-speakers. Note: series will not accept enclosures and mounting rings- for 4" loudspeakers. CRS construction. Galvanized finish.

MODEL	LENGTH
180-2	23¾" (603mm)
180-4	47¾" (1213mm)
186-16	18" (457mm)
186-24	26" (660mm)

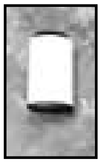
MOUNTING RINGS AND FRAMES

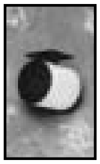
MODEL	MOUNTS BAFFLE
71-8E1	164-8A
72-8E1	160-8SWA, 161-8
75-8(E2)	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8, M222W, P900, VP60-R
76-4	51-4, 60-4
76-8(E2)	51-8, 60-8(W), 61-8W, 62-8(W), 63-8, 170-8, M222W, P900, VP60-R
FAPR-4 **FA-TR4****	FA51-4, FA170-4, FA720-4, FA730-4
FAPR-6 **FA-TR6****	FA51-6, FA170-6, FA720-6, FA730-6
FAPR-8 **FA-TR8****	FA51-8, FA170-8, FA720-8, FA730-8
L20-220	L20-100
L20-221	L20-100
L20-222	L20-100
P77-8 **P78-8**	51-8, 60-8(W), 61-8W, 62-8(W), 63-8, 170-8, M222W, P900
PR411	T51-4, T710-4, T720-4(BT), T730-4W(B)
T75-8(E1)(E2)	T51-8, T60-8(W), T61-8W, (T)62-8, T610-8(W), T710-8, T720-8A, TM222W

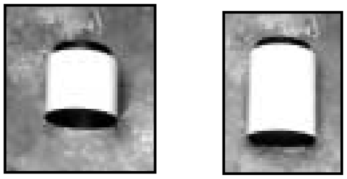
Notes:

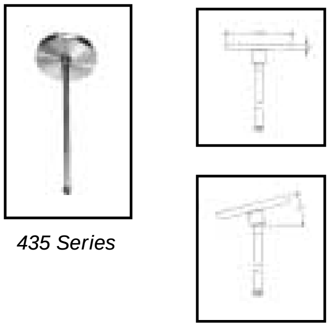
*	The FA81-4, FA81-6 & FA81-8 will only support the enclosure. To attach both grille and speaker, a FA enclosure or ring must be purchased.
**	The FA-TR trim ring is for pre-construction use. It defines the cut-out hole, but provides no attachment points for either speakers or grilles. FA enclosures or plaster rings must be purchased in addition to the FA-TR.
***	NOTE: For proper support, torsion spring grilles should not be used with any loudspeaker/transformer assembly exceeding 5 lbs.
****	EQ81 Tile bridge works only with the EQ818-BX, Q408 and 96-8 Series enclosures.
*****	The T620-8 will not accommodate an enclosure when used with the 81-S tile bridge.
******	The T620-8 will not work with the T198-8 enclosure when used with the 81-S tile bridge.

CYLINDRICAL BAFFLES


X44


X45


X409X8414


435 Series

DESIGNER BAFFLE ENCLOSURES

X Series (4+ and 8+). Unique to the commercial sound industry, these Atlas Sound baffle/enclosures provide aesthetic compliment to well-planned architectural interiors. Stylish appearance and high-quality workmanship enable these baffles to function as integral design elements in applications where architectural integrity is a primary concern including hotels, meeting rooms, reception areas, lounges, restaurants, airports and transportation terminals. Selection includes direction-controlled cylindrical units for surface, suspension or wall-mounting applications,and a bi-directional unit for surface installation. Units are manufactured of aluminum and include cast aluminum mounting base and choice of two colors. Suffix model number (A) Satin Aluminum or (W) Satin White. Canopies, grilles with regressed steps, and mounting base are finished in matte black enamel. Perforated grille is manufactured from 22-gauge CRS and finished in matte black enamel.
All X Series mount to a standard 4" octagonal E.O. Box.

MODEL	TYPE	MOUNTING CONFIG.	MOUNTS SPEAKER SIZE	DIMENSIONS INCLUDING HARDWARE		
				DIAMETER	LENGTH	PROJECTION*
X44	Cylindrical/ Directional	Surface or Suspended	4" (102mm)	6" (152mm)	9¾" (248mm)	9¾" (248mm)
X45	Cylindrical/ Bi-directional	Surface Mount	4" (102mm)	6" (152mm)	6" (152mm)	7¼" (184mm)
X8409	Cylindrical/ Directional	Surface or Suspended	8" (203mm)	10⅛" (257mm)	9½" (241mm)	9½" (241mm)
X8414	Cylindrical/ Directional	Surface or Suspended	8" (203mm)	10⅛" (257mm)	14" (356mm)	14" (356mm)

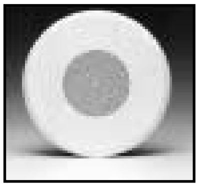
* Projection of suspended installations will vary.

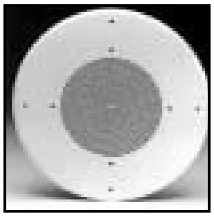
SUSPENSION HANGERS

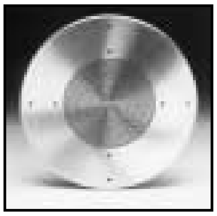
435 Series. Designed to support and suspend baffle Models X44, X8414 and X8409. Hangers are available in multiples of 1 foot and include brushed aluminum canopy, nickel-plated hang straight swivel, zinc plated ½" (13mm) steel tubing and necessary hardware. Units mount directly to a 4" (102mm) octagon E.O. box (not included). The 435 Series features an angular canopy and is designed to mount on flat ceilings or those with a slope of 15° or less.

MODEL	LENGTH
435-1	1 ft. (305mm)
435-2	2 ft. (610mm)
435-3	3 ft. (914mm)
435-4	4 ft. (121.92cm)
435-6	6 ft. (182.88cm)

ROUND RECESSED BAFFLES FOR 4" AND 8" LOUDSPEAKERS


T51-84


51-8


60-8

ECONOMICAL STEEL BAFFLES

51 Series. This industry favorite is an aesthetically pleasing and cost-efficient baffle available in standard screw-mount or labor-saving torsion-spring (T) versions. Models for 4" loudspeakers include welded mounting studs. One-piece CRS construction. Textured white epoxy finish.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE	or MNTG RING
51-4	4" (102mm)	7⅜" (187mm)	¼" (6mm)	(EZ)96-4 Series, (EZ)96-4X Series	76-4, 81-4
T51-4*	4" (102mm)	7⅜" (187mm)	¼" (6mm)	(EZ)E410 Series	PR411
T51-84*	4" (102mm)	8½" (216mm)	3/16" (5mm)	BMT95-4(-7)	—
51-8	8" (203mm)	12¾" (324mm)	¼" (6mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series**, BMT95-8(7), Q408, CS95-8(NS)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8(S), EQ81**
T51-8	8" (203mm)	12¾" (324mm)	¼" (6mm)	T95-8(NS)(NK), BMT95-8(-7) EZ95-8	T75-8(E1)(E2), 81-8S

* Model includes provisions to accommodate ceiling thicknesses up to 2" deep.
** EQ81 tile bridge works only with 96-8 Series enclosure.

ALUMINUM BAFFLES

60 Series. Popular series is available in standard screw-mount or torsion-spring (T) versions where noted. The 4" and 8" loudspeaker models are one-piece construction. Available in choice of beautiful, satin aluminum finish or textured white (W) where noted.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE	or MTG. RING
60-4	4" (102mm)	7⅜" (187mm)	¼" (6mm)	(EZ)96-4 Series, (EZ)96-4X Series	76-4, 81-4
60-8(W)	8" (203mm)	12¾" (324mm)	¼" (6mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, Q408, CS95-8(NS), BMT95-8(7)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S), EQ81*
T60-8W	8" (203mm)	12¾" (324mm)	¼" (6mm)	T95-8(NS)(NK), BMT95-8(-7), EZ95-8	T75-8(E1)(E2), 81-8S

* EQ81 tile bridge works only with the 96-8 Series enclosure.

DECORATIVE STEEL BAFFLES

61 Series. Attractive baffle includes concealed loudspeaker mounting studs for clean appearance and ease in loudspeaker attachment. Available in standard screw-mount and torsion-spring (T) versions where noted. Two-piece welded CRS construction. Available in textured white epoxy.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE	or MTG. RING
61-8W	8" (203mm)	12¾" (324mm)	¼" (6mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, BMT95-8(7), Q408, CS95-8(NS)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S), EQ81*
T61-8W	8" (203mm)	12¾" (324mm)	¼" (6mm)	T95-8(NS)(NK), BMT95-8(-7), EZ95-8	T75-8(E1)(E2), 81-8S
61-12W	12" (305mm)	17¼" (438mm)	¼" (6mm)	95-12	—

* EQ81 tile bridge works only with the 96-8 Series enclosure.

GENERAL PURPOSE STEEL BAFFLES

62-8 Series. This versatile design is popular for a wide variety of applications. Model 62-8 utilizes standard screw-mount installation. Model T62-8 features torsion spring installation for a hardware-free appearance. Both have concealed loudspeaker mounting studs. One-piece CRS construction. Textured white epoxy finish.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE	or MTG. RING
62-8	8" (203mm)	12¾" (324mm)	¼" (6mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, BMT95-8(7), Q408, CS95-8(NS)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S), EQ81*
T62-8	8" (203mm)	12¾" (324mm)	¼" (6mm)	T95-8 Series, BMT95-8(-7), EZ95-8	T75-8(E1)(E2), 81-8S

* EQ81 tile bridge works only with the 96-8 Series enclosure.

CONTOURED ALUMINUM BAFFLES

M222W Series. Popular baffle is available in standard screw-mount or torsion-spring (T) versions. One-piece aluminum construction. Finished in textured white (W) as noted.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE	or MTG. RING
M222W	8" (203mm)	12¾" (324mm)	⅜" (10mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, Q408, CS95-8(NS), BMT95-8(7)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S), EQ81*

* EQ81 tile bridge works only with the 96-8 Series enclosures.

BEVELED CONCEALED MOUNTING BAFFLE

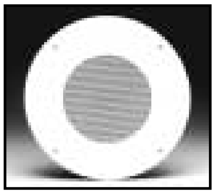
T610-8W. Architecturally pleasing design features torsion-spring mounting and concealed loudspeaker studs to provide for a uniquely clean appearance. Two-piece CRS baffle features a beveled edge trim ring with rear-mounted grille. Assembly is finished in textured white epoxy.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
T610-8W	8" (203mm)	12⅞" (327mm)	5/16" (8mm)	T95-8 Series, BMT95-8(-7), EZ95-8	T75-8(E1)(E2), 81-8S

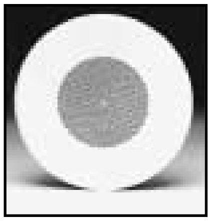
PERFORATED CONCEALED MOUNTING BAFFLES

T710 Series. All-perforated screen grille assumes an inconspicuous appearance in recessed ceiling applications. Features torsion-spring mounting and concealed loudspeaker mounting studs. Manufactured from CRS and finished in textured white epoxy.

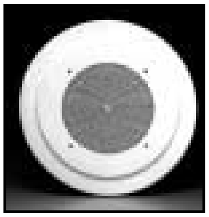
MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
T710-4	4" (102mm)	7⅜" (187mm)	3/32" (2mm)	E410 Series, EZE410	PR411
T710-8	8" (203mm)	12⅞" (327mm)	⅜" (10mm)	T95-8 Series, BMT95-8(-7), EZ95-8	T75-8(E1)(E2), 81-8S



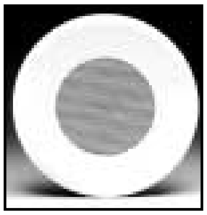
61-8W



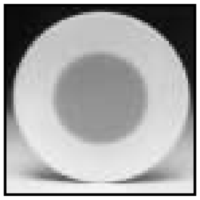
T62-8



M222W



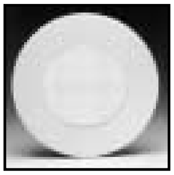
T610-8W



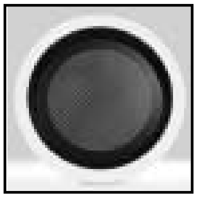
T710-8

ROUND RECESSED BAFFLES

T720-4BT



T720-8A



T730-8B

SCULPTURED CONCEALED MOUNTING BAFFLES

T720-4 Series. High-quality grille with contoured trim ring and fine perforation pattern coordinates with lighting fixture trims to provide a clean and contemporary appearance for 4" loudspeakers. Models have provisions to accommodate ceiling thicknesses up to 2" deep. All models also feature a flush perforated center section, torsion springs, and concealed loudspeaker mounting studs. Welded CRS assemblies are finished in textured white. (Model T720-4BT was formerly Engr. Special M4551-4BT.)

T720-8A. Attractive baffle mounts 8" loudspeakers and offers all of the features of the T720-4 Series described above with the addition of two separate deep-ceiling, torsion-spring brackets to accommodate varying ceiling depths up to 2".

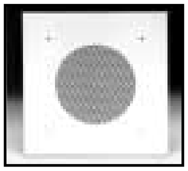
MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
T720-4	4" (102mm)	7⅜" (187mm)	9/16" (14mm)	(EZ)E410 Series	PR411
T720-4BT		8½" (216mm)		(EZ)E410 Series BMT95-4(-7)	
T720-8A	8" (203mm)	12" (305mm)	9/16" (14mm)	T95-8 Series, EZ95-8, BMT95-8(-7)	T75-8(E1)(E2), 81-8S

CONCEALED MOUNTING BAFFLES WITH REGRESSED STEPS

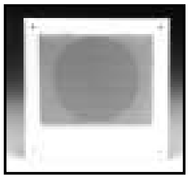
T730 Series. Superb design features interior regressed steps to simulate recessed lighting fixtures. Torsion spring installation and concealed loudspeaker mounting studs eliminate all visible hardware. Welded CRS construction prevents vibration. Two-tone finish is matte white on the outer trim and black on the interior. T730-4 Series is 11/16" (27mm) deep and the T730-8 Series is 15/16" (33mm) deep.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
T730-4W(-4B)	4" (102mm)	7⅜" (187mm)	⅛" (3mm)	BMT95-4 (-7)	PB-411
T730-8W(-8B)	8" (203mm)	11" (27mm)	⅛" (3mm)	T195-8(NK), EZ195-8	T175-8

SQUARE RECESSED BAFFLES FOR 8" LOUDSPEAKERS



63-8



160-8SWA

ECONOMICAL STEEL BAFFLE

63-8. Low-cost trim square features a beveled edge, round protective screen and concealed loudspeaker mounting studs. CRS construction. Finished in textured white epoxy.

* EQ81 tile bridge works only with the 96-8 Series enclosures.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
63-8	8" (203mm)	12⅝" SQ. (321mm)	⅜" (10mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, BMT95-8(7), Q408, CS95-8(NS)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S), EQ81*

WALL-MOUNT BAFFLE WITH LOUDSPEAKER CONTROL OPTION

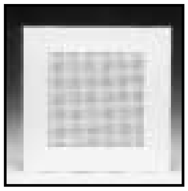
160-8SWA. Versatile baffle is designed with ample space to accommodate loudspeaker controls (Factory can provide cutouts to your specifications upon request). Baffle features standard screw-mount installation and two-piece CRS construction. Two-tone finish is matte white with metallic aluminum painted grille.

MODEL	SPEAKER	DIAMETER	ENCLOSURE or	MTG. RING
160-8SWA	8" (203mm)	11⅜" (289mm) SQ. ¼" (6mm) D.	198-8 Series	72-8(E1)

CONTEMPORARY WALL OR CEILING BAFFLES

161 Series. Handsome design and concealed loudspeaker mounting studs present this baffle as an ideal choice for most office interiors. Available in standard screw-mount and torsion-spring (T) versions. Construction is one-piece CRS and includes no leak gasket. Finish is textured white epoxy.

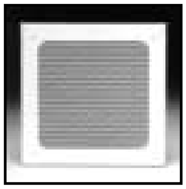
MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
161-4	4" (102mm)	7" SQ. (178mm)	⁵⁄₃₂" (4mm)	198-4 SE198-4	—
161-8	8" (203mm)	11½" SQ. (292mm)	¼" (6mm)	198-8 Series SE175-4	72-8E1, 81-8S
T161-8	8" (203mm)	11½" SQ. (292mm)	¼" (6mm)	T198-8(-8) SE175-4	T72-8, T72-8E1, T72-8E2, 81-8S


T161-8

DELUXE STEEL BAFFLES

164 Series. Beveled-edge trim square features a large protective screen with separate loudspeaker mounting plate for extended “no leak” bass response. Available in standard screw-mount and torsion-spring (T) versions. Two-piece CRS construction. Textured white epoxy finish.

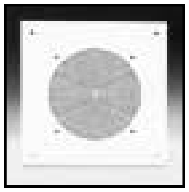
MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG. RING
164-8A	8" (203mm)	12⅝" SQ. (321mm)	½" (13mm)	191-78 Series, SM191-78 Series, Q418, Q438, Q458, QS408	71-8E1, 71-8E2, 81-8S
T164-8A	8" (203mm)	12⅝" SQ. (321mm)	½" (13mm)	T191-78	81-8S
164-12A	12" (305mm)	16" SQ. (406mm)	½" (13mm)	Q4412, Q4612, Q4712, Q4812	—
164-15A	15" (381mm)	20¹⁄₁₆" SQ. (510mm)	½" (13mm)	Q4915	—


164-8A

ECONOMICAL WALL OR CEILING BAFFLE

169-8. Cost-efficient, beveled-edge trim square features round protective screen, standard screw-mount installation and direct loudspeaker mounting. One-piece CRS construction. Finished in textured white epoxy.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG RING
169-8	8" (203mm)	10½" SQ. (267mm)	¹⁄₁₆" (2mm)	193-8, 193-8-6	73-8, 73-8E1, 81-8S

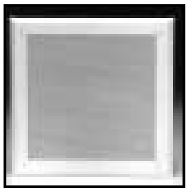

169-8

PERFORATED BAFFLE

170-8A. Popular design features a die-formed frame with shallow bevel and perforated screen. Separate loudspeaker mounting plate provides extended “no leak” bass response. Baffle is standard screw-mount installation with concealed loudspeaker mounting studs. Two-piece CRS construction. Finished in textured white epoxy.

* EQ81 tile bridge works only with the 96-8 Series enclosures.

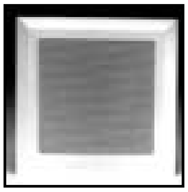
MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG RING
170-8A	8" (203mm)	13½" SQ. (343mm)	¼" (6mm)	(EZ)95-8 Series, T95-8 Series, BMT95-8, Q408, CS95-8(NS),	75-8E2, 76-8E2, P77-8, P78-8, 81-8R(S),
				(EZ)96-8 Series*	EQ81*

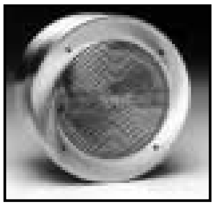

170-8A

DELUXE CONCEALED MOUNTING BAFFLE

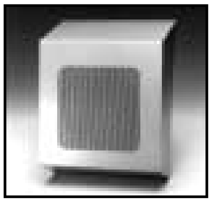
T620-8. Architecturally pleasing baffle features a torsion-mount beveled frame with square protective screen and separate stud-mounting loudspeaker plate. Two-piece welded CRS construction. Finished in textured white.

MODEL	SPEAKER	DIAMETER	PROJECTS	ENCLOSURE or	MTG RING
T620-8	8" (203mm)	11⅝" SQ. (295mm)	⁵⁄₁₆" (8mm)	T198-8 T198-8-5, T198-8-8, SE175-4	T72-8, T72-8E1 T72-8E2, 81-8S

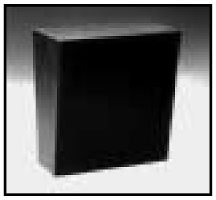

T620-8



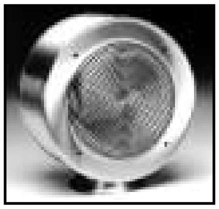
410-8



415-8



417-8WD



510-8

COMPACT ALUMINUM BAFFLES FOR WALL OR CEILING USE

410 Series. Ideal for unidirectional applications where mounting space is limited. Baffle mounts easily to wall, ceiling or 4" (102mm) octagon E.O. box (by others). Manufactured of aluminum, undercoated and patch-jute lined. Finished in satin aluminum or textured white (W) where noted.

MODEL	SPEAKER	DIAMETER	PROJECTS
410-4	4" (102mm)	6" (152mm)	4½" (114mm)
410-8(W)	8" (203mm)	9 5/16" (237mm)	4 13/16" (122mm)

STEEL SLOPE-FRONT BAFFLE/ENCLOSURES

415 Series. Rugged baffle/enclosure features a 7½" slope for directional sound projection. Separate loudspeaker mounting plate prevents bass leaks. Integral mounting bracket eliminates exposed screw heads. CRS construction. Finished in metallic aluminum or textured white (W).

MODEL	SPEAKER	WIDE	HIGH	PROJECTS
415-8(W)	8" (203mm)	10½" (267mm)	14" (356mm)	5⅝" (143mm)

WOOD SLOPE-FRONT BAFFLE/ENCLOSURES

417-8WD. These wood slope-front baffles are ideal for installations that require the aesthetics of classic enclosure design, particularly classrooms, offices, reception areas, and retail outlets. Offered for use with 8" loudspeakers and features a baffle/enclosure with walnut grain laminate, black fabric grille and a 9.5° slope for directional sound dispersion.

MODEL	SPEAKER	WIDTH	HEIGHT	PROJECTS		FINISH
				TOP	BOTTOM	
417-8WD	8" (203mm)	9½" (242mm)	10½" (267mm)	5½" (140mm)	3¾" (95mm)	Walnut Grain Vinyl

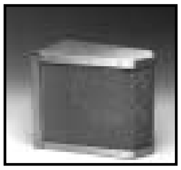
CYLINDRICAL BI-DIRECTIONAL BAFFLE/ENCLOSURES

510 Series. Attractive enclosure with two spun grilles is designed to mount a single 4" or 8" loudspeaker for wall or ceiling installations where bi-directional sound dispersion is desired. Aluminum construction is patch-jute lined and undercoated to prevent mechanical and acoustic resonance. Mounts to a 4" (102mm) octagon E.O. box (by others). Finished in satin brushed aluminum or textured white (W).

MODEL	SPEAKER	DIAMETER	DEEP	PROJECTS
510-4	4" (102mm)	6" (152mm)	4¾" (121mm)	6⅜" (162mm)
510-8(W)	8" (203mm)	9 5/16" (237mm)	5¼" (133mm)	10" (254mm)

SQUARE BAFFLE/ENCLOSURES

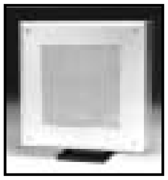
RECTANGULAR BI-DIRECTIONAL BAFFLE/ENCLOSURE


1512-8

512-8. Uniquely constructed chamber is designed to mount a single 8" loudspeaker to provide maximum path length for increased bass response. Unit mounts to the wall or ceiling using a standard E.O. box (by others). Enclosure and mesh grille are constructed of aluminum. Loudspeaker mounting plate with four weld studs is 20-gauge CRS. Finished in brushed aluminum with clear lacquer finish.

MODEL	SPEAKER	DISTANCE BETWEEN SOLID ENDS	WIDTH AT WIDEST POINT	PROJECTS
512-8	8" (203mm)	$9\frac{3}{16}$" (232mm)	$6\frac{5}{8}$" (168mm)	$10\frac{3}{4}$" (273mm)

DELUXE CORRIDOR BAFFLE/ENCLOSURE WITH CANOPY

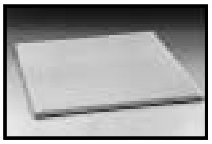

612-8

612-8. Handsome design of this square enclosure includes two flush grilles and a cast mounting canopy. Model mounts a single 8" loudspeaker is are ideal for corridor applications in commercial, professional and institutional applications where aesthetics are a primary concern. Two-piece canopy accommodates a standard 4" (102mm) octagon E.O. box (by others). Construction is heavy-gauge CRS finished in textured white with contrasting black mounting canopy.

MODEL	SPEAKER	WIDE	DEEP	PROJECTS
612-8	8" (203mm)	$11\frac{5}{8}$" (295mm) SQ.	$4\frac{1}{2}$" (114mm)	$12\frac{7}{8}$" (327mm)

CEILING TILE REPLACEMENT BAFFLE

SQUARE GRILLE FOR SUSPENDED CEILING SYSTEMS

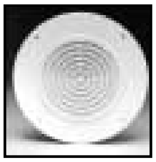

G22-8

G22-8. Engineered to provide "lay-in" installation convenience in exposed T-Grid suspended ceilings. Baffle replaces a standard 2' (610mm) x 2' (610mm) ceiling tile and is suspended by the ceiling's grid system. CRS construction includes perforated grille and loudspeaker subplate with four weld studs. Grille is finished in off-white matte enamel. Subplate is finished in black epoxy. Weight is 10 Lbs.

MODEL	SPEAKER	DIMENSIONS	ENCLOSURE
G22-8	8" (203mm)	$23\frac{9}{16}$" SQ. x $\frac{1}{2}$" D (598 x 13mm)	(EZ)95-8 Series, T95-8 Series, BMT95-8, (EZ)96-8 Series, Q408, CS95-8(NS)

HIGH-IMPACT PLASTIC BAFFLES

PLASTIC RECESSED CEILING BAFFLES


P900

P910

P Series. Acoustical louver design provides maximum sound transmission and dispersion. Features standard screw-mount installation with concealed loudspeaker mounting. Molded from high-impact polystyrene plastic. Color is ceiling white.

MODEL	SPEAKER	DIMENSIONS	PROJECTS	ENCLOSURE or	MTG. RING
P900	8" (203mm)	$12\frac{3}{4}$" Dia. (324mm)	$\frac{3}{8}$" (10mm)	(EZ)95-8 Series, T95-8 Series, (EZ)96-8 Series*, BMT95-8(-7), Q408, CS95-8(NS)	75-8(E2), 76-8(E2), P77-8, P78-8, 81-8R(S) EQ81*
P910	8" (203mm)	$10\frac{1}{2}$" SQ. (267mm)	$\frac{3}{8}$" (10mm)	193-8 193-8-6	73-8(E1)(E2), 81-8S

* EQ81 tile bridge works only with the 96-8 Series enclosures.

VANDAL-PROOF BAFFLES

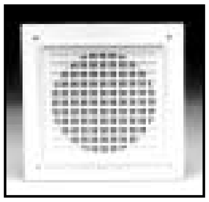
VP60-R

RECESSED CIRCULAR BAFFLE

VP60-R. Ruggedly constructed baffle assembly provides tamperproof protection for 8" cone loudspeakers or APF Series re-entrant horns by means of adapter plate Model FAMT-6 (order separately). Trim ring is cast from self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Loudspeaker grille is stainless steel woven wire mesh reinforced by a perforated CRS loudspeaker adapter. Tamperproof screws are manufactured of a special heat-treated alloy and mount in countersunk holes for added security (special wrench included). Finished in satin aluminum with a clear lacquer coating.

MODEL	SPEAKER	DIMENSIONS	ENCLOSURE	or MTG. RING
VP60-R	8" (203mm) APF-15(T), APF-15TU(C)	12¾" (324mm) Dia. x 1" (25mm) D.	(T)95-8 Series, 96-8 Series, CS95-8, Q408	75-8(E2), 76-8(E2)

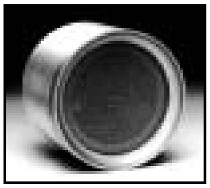
* Accepts optional horn adapter plate Model FAMT-6 (order separately).


VP161-R8

RECESSED OR SURFACE-MOUNT SQUARE BAFFLES

VP161 Series. Versatile series features security for a variety of cone and re-entrant horn loudspeaker types and sizes. Manufactured from special self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Loudspeaker grille is reinforced with a perforated CRS stud-mounting plate. Baffle installs with special heat-treated alloy screws which are countersunk to enhance security (special wrench provided). Finished in textured white epoxy. Baffles may be flush or surface-mounted using noted enclosures.

MODEL	SPEAKER	DIMENSIONS	ENCLOSURE	or MTG. RING
VP161-R4	4" (102mm)	10¾" SQ. (273mm) x ¾" Proj. (19mm)	193-8, 193-8-6,	73-8, 73-8E1
VP161-R8*	8" (203mm)		SE161-R(6)	
VP161-APF	APF-15		193-8-6, SE161-R(6)	
	APF-15T, APF-15TU, APF-15TUC		SE161-R6, 193-8-6	


VP410-S

VP510-B

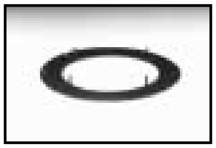
UNI- AND BI-DIRECTIONAL BAFFLE/ENCLOSURES

VP410-S/VP510-B. Welded cylindrical baffles of sturdy construction provide security against vandalism for 8" cone loudspeakers. Model VP410-S is a flush mount unidirectional baffle/enclosure that can be used with 8" cone loudspeakers and APF Series re-entrant horns by means of adapter plate Model FAMT-6 (order separately). Model VP510-B is identical to the VP410-S, except that it includes an attractive canopy mount designed for bi-directional sound dispersion. Housings are spun .090 tempered aluminum plate. Loudspeaker grille is cast from special self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Grille is reinforced with a stainless steel wire mesh screen spun over a CRS subplate. Housing and grille are assembled using flush-mount heat-treated alloy screws. Models mount to standard E.O. boxes (not included), however, Model VP410-S installs via keyhole slots on the rear of the housing or may be flush mounted with anchors to ceiling or wall. Model VP510-B installs using a heavy cast aluminum canopy for ceiling or wall installations. Baffle and housing are finished in satin aluminum with a clear lacquer coating. Canopy (of VP510-B) is finished in black epoxy. (Note: Model VP510-B not intended for use with re-entrant horns.)

MODEL	SPEAKER	DIMENSIONS	MOUNTS
VP410-S	8" (203mm)	10" (255mm) Dia. x 7" (179mm) D.	E.O. box*
VP510-B	8" (203mm)	10" (255mm) Dia. x 8" (203mm) D. x 11" (279mm) Proj.	E.O. box*

* 4" octagon style E.O. Box.

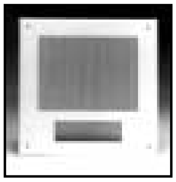
RE-ENTRANT HORN ADAPTER PLATE


FAMT-6

FAMT-6. Specially designed plate retrofits vandal-proof baffles to accept APF Series re-entrant horns. It is also a general-purpose mounting ring/adapter for retrofit applications which allows a 6" cone or horn loudspeaker to mount an 8" enclosure and/or baffle. (Model FAMT-6 replaces VPA-APF.)

MODEL	RETROFITS BAFFLE MODEL	MOUNTS HORN MODEL
FAMT-6	VP60-R, VP410-S, VP161-R8	APF-15(T), APF-15TUC

DIGITAL CLOCK/SPEAKER BAFFLE


DC162-8

DC162-8/DC162-8SF. Popular DC162-8 is a recessed assembly which features an attractive square baffle with rectangular clock panel designed to mount digital clocks with the same dimensions as Rauland Borg Models 2410 and 2420. (Order clock from others.) DC162-8SF consists of the DC162-8 baffle mounted to a specially-designed sloped-front 20 gauge CRS enclosure. Models are finished in textured white epoxy.

BAFFLE		MOUNTS (order separately)		
MODEL	**DIMENSIONS**	**SPEAKER**	**CLOCK***	**ENCLOSURE**
DC162-8	12⅝" (322mm) SQ.	8" (203mm)	Digital	Recessed 191-78
DC162-8SF	12⅝" (322mm) SQ.	8" (203mm)	Digital	Includes Surface Enclosure

* Recessed enclosure is 11¹¹⁄₁₆"W x 11¹¹⁄₁₆"H x 4"D (297 x 297 x 102mm)

ANALOG CLOCK SPEAKER BAFFLES

Atlas Sound clock/speaker baffles feature a patented universal clock mounting bracket which enables secure mounting of any 9", 10" or 12" standard clock (by others). Universal clock mounting bracket is secured via #4 weld studs. To ensure proper fit, the overall diameter of the selected clock must clear the clock/hole clearance diameter listed in the chart below. All clocks mount from the front. The bracket can also be easily modified (trimmed) in the field to clear clock dust covers or motors. Compatible clock manufacturers include: *American Time & Signal, Cincinnati, DuKane, Edwards, Faraday, Franklin, Latham, National, Rauland, Standard, and Simplex.*

830 Series. Economical recessed or surface-mounting assembly features a CRS grille and trim ring mounted on an 18-gauge CRS panel. Unit also includes a black gasket for concealed loudspeaker mounting. Assembly installs with double-action torsion spring system to eliminate visible hardware. Assembly is finished in textured white.

840 Series. Baffle for recessed or surface-mounting features a CRS perforated grille, CRS frame and black subplate for concealed loudspeaker mounting. Grille and frame are finished in textured white epoxy.

NC850 Series. These recessed baffles feature three panels for mounting clock, loudspeaker, and controls in one framed assembly. Baffles will mount round or square clocks, loudspeaker, and choice of controls. The NC850 control panel opening is 15½" wide for mounting (2) two 4"W x 6"H and (1) one 7½"W x 6"H panels or one 15½" blank filler panel. Panel styles may be mixed and matched to meet application requirements. A continuous piano hinge permits easy access for servicing. A lock in the center panel allows opening by authorized personnel only. Loudspeaker mounts to a concealed black subplate and toggle switches mount to rear-mounted weld studs. Frame is 20-gauge CRS finished in textured black epoxy. Loudspeaker grille is 22-gauge perforated CRS finished in textured white. Control panel is 20-gauge CRS finished in textured white.

MODEL	DIMENSIONS	CLOCK/HOLE CLEARANCE DIA.	MOUNTS (order separately)		
			SPEAKER	CLOCK*	ENCLOSURE
830-89A	26½"W x 14"H (673 x 356mm)	8¾" (222mm)	8" (203mm)	9", 10" (229, 254mm)	194-89, SM194-89
830-812A	33⅞"W x 17⅞"H (860 x 454mm)	10½" (267mm)		12" (305mm)	194-812, SM194-812
840-89A	26¾"W x 13¹¹⁄₁₆"H (679 x 348mm)	8¾" (222mm)		9", 10" (229, 254mm	195-89, SM195-89
840-812A	33¹⁵⁄₁₆"W x 18¹⁄₁₆"H (862 x 459mm)	10½" (267mm)		12" (305mm)	195-812, SM195-812
NC850-89B	17¾"W x 33¼"H (451 x 845mm)	8¾" (222mm)		9", 10" (229, 254mm)	E850
NC850-812B		10½" (267mm)		12" (305mm)	E850

* Clocks by others. Universal mounting bracket allows mounting of a variety of models. Clearance hole and baffle dimensions should be used to guide selection. Some clocks will require bracket modification (trimming) in the field.

NC850 SERIES BLANK CONTROL PANEL PLATES*			
PLATE MODEL	PANEL WIDTH (H=6")	HOLE SIZE	APPLICATION
NC850-A	4"	⅝" Dia.	Thermostat/Call-in Switch
NC850-BFA	4"	Blank	4" Blank Filler
NC850-BX	4"	2" x 2³¹⁄₃₂"	Single Gang Box
NC850-F	4"	½" Dia.	Call-in Switch
NC850-BPS	7½"	Blank	7½" Blank Filler
NC850-S1(S2)(S3)	7½"	¹³⁄₃₂" x ¹⁵⁄₁₆"	(1)(2)(3) Toggle Light Switch
NC850-BPL	15½"	Blank	Full-Width Blank Filler

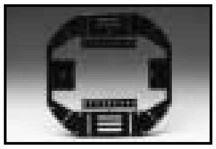
* Order two 4"W and one 7½"W or one 15½"W panel to fill opening.

ENCLOSURES FOR CLOCK/SPEAKER BAFFLES

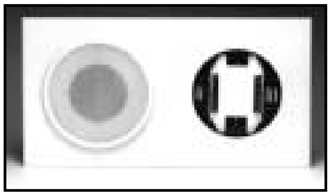
Enclosures are heavy-gauge CRS, undercoated and finished in black epoxy. Ample conduit knockouts are furnished on all sides for easy wiring. Model Series 194 and 195 include a compartment divider panel to separate high and low-voltage wires. Surface models are finished in textured white epoxy.

ENCLOSURE SPECIFICATIONS			
MODEL	TYPE	DIMENSIONS	MOUNTS
194-89	Recessed	24½"W x 12¹⁄₁₆"H x 3"D (622 x 306 x 76mm)	830-89A
194-812		31⅝"W x 15⅞"H x 3"D (803 x 403 x 76mm)	830-812A
195-89		23⅞"W x 11⅞"H x 3"D (606 x 302 x 76mm)	840-89A
195-812		31¼"W x 16"H x 3"D (794 x 406 x 76mm)	840-812A
E850		15½"W x 31"H x 3"D (394 x 787 x 76mm)	NC850-89B/NC850-812B
SM194-89	Surface	26⅝"W x 14⅛"H x 3"D (676 x 359 x 76mm)	830-89A
SM194-812		34"W x 18"H x 3"D (864 x 457 x 76mm)	830-812A
SM195-89		26⅞"W x 13¹³⁄₁₆"H x 3"D (683 x 351 x 76mm)	840-89A
SM195-812		34¹⁄₁₆"W x 18¹³⁄₁₆"H x 3"D (865 x 462 x 76mm)	840-812A

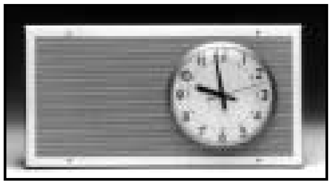
* Order two 4"W and one 7 1/2" W or one 15 1/2" W panel to fill opening.



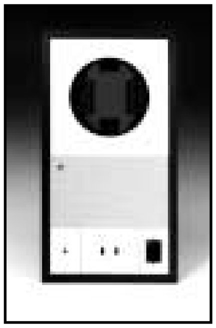
New Universal Analog Clock Mounting Bracket (included)



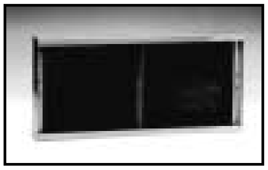
830-812A



840-89A (shown with clock–by others)



NC850 Series
Shown with Control Panel Insert Models NC850-A, NC850-S2, and NC850-BX (from Left to Right)
Order Separately



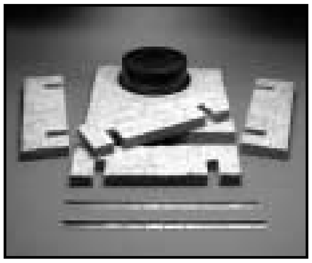
194-89

UL CLASSIFIED FIRE-RESISTANT SPEAKER ASSEMBLIES

FR Series. Atlas Sound has developed the only speaker assemblies that are UL classified for fire-resistance in the United States and Canada. The FR Series has passed a fire-rating up to three hours (rating varies by ceiling construction) and has been tested in accordance with the UL standard – Fire Test of Building Construction and Materials, ANSI/UL263 (ASTM E119, NFPA 251).

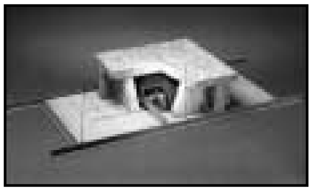
FR Series assemblies include an enclosure-fiber kit, UL listed speaker/transformer assembly, and choice of UL Listed baffle. Each enclosure-fiber kit includes pre-cut fiber panels, metal enclosure, rail set and hardware. The 43 speaker/transformer combinations approved for use in FR assemblies are FR versions of the industry standard Atlas Sound Strategy Series FA134, FA136, FA138 models and the C803A, C5A, C10A, and FC104 loudspeakers. The approved baffles are also FR versions of familiar Atlas Sound models.

To maintain UL Classification for fire-resistance, enclosure-fiber kits must be used with FR Series components.



FR Enclosure-Fiber Kit includes enclosure, pre-cut fiber panels, and rails

MODEL	DESCRIPTION
FA95-4FR	Enclosure-Fiber Kit, (FA95-4), rails, hdwr.
FA95-6FR	Enclosure-Fiber Kit, (FA95-6), rails, hdwr.
FA95-8FR	Enclosure-Fiber Kit, (FA95-8), rails, hdwr.
FA97-4FR	Enclosure-Fiber Kit, (FA97-4), rails, hdwr.
FA97-6FR	Enclosure-Fiber Kit, (FA97-6), rails, hdwr.
FA97-8FR	Enclosure-Fiber Kit, (FA97-8), rails, hdwr.
95-8FR	Enclosure-Fiber Kit, (95-8), rails, hdwr.
96-4FR	Enclosure-Fiber Kit, (96-4), rails, hdwr.
96-4XFR	Enclosure-Fiber Kit, (96-4X), rails, hdwr.
96-8FR	Enclosure-Fiber Kit, (96-8), rails, hdwr.
191-78FR	Enclosure-Fiber Kit, (191-78), rails, hdwr.
193-8FR	Enclosure-Fiber Kit, (193-8), rails, hdwr.
198-4FR	Enclosure-Fiber Kit, (198-4), rails, hdwr.
198-8FR	Enclosure-Fiber Kit, (198-8), rails, hdwr.



Installed Cut-Away

ATLAS SOUND FR SERIES BENEFITS ARE CLEAR !

UL Classification!

The UL mark is universally recognized and respected. Local regulatory agencies can feel confident in approving the UL Classified FR Series…the only UL Classified Fire Resistant Speaker Assemblies in the US and Canada!

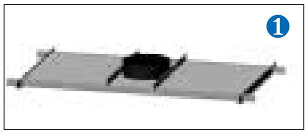
Quick Installation & Low Installed Cost!

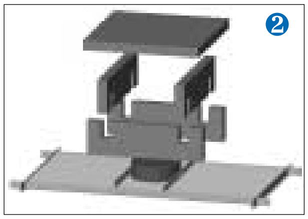
The installed cost of an FR Series loudspeaker system will be substantially lower than the installed cost of a conventional loudspeaker system using contractor-constructed drywall fire boxes.

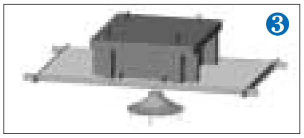
Wide Selection & Proven Performance!

FR Series loudspeaker components are UL Classified versions of proven Atlas Sound models. Installing an FR Series system means no compromise in Atlas Sound's high performance and quality standards.

ATLAS SOUND MAKES INSTALLATIONS EASY!







❶ Attach rails to enclosure

❷ Assemble pre-cut fiber panels over enclosure, notch fiber at rails

❸ Wire top panel to sides at four corners

EASY TO ORDER!

Choose from 43 FR Series speaker assemblies
Select matching FR enclosure-fiber kit
Select matching FR baffle

STRATEGY SERIES FIRE-RATED SYSTEM COMPONENTS**

ENCLOSURE-FIBER KIT*	MOUNTS SPEAKER ASSEMBLY*	INCLUDES		MOUNTS CHOICE OF BAFFLE*
		SPEAKER	XFMR	
FA95-4FR	**FA114T72FR**	FA114	T72	**FA51-4FR**
FA97-4FR	**FA134T42FR**	FA134	T42	**FA170-4FR**
	FA134T47FR		T47	**FA720-4FR**
	FA134T87FR		T87	**FA730-4FR**
FA95-6FR	**FA116T72FR**	FA116	T72	**FA51-6FR**
FA97-6FR	**FA136T42FR**	FA136	T42	**FA170-6FR**
	FA136T47FR		T47	**FA720-6FR**
	FA136T87FR		T87	**FA730-6FR**

* Enclosure-Fiber kit, speaker assembly, and baffle are ordered separately and must be used together to comply with UL classification.

ENCLOSURE-FIBER KIT*	MOUNTS SPEAKER ASSEMBLY*	INCLUDES		MOUNTS CHOICE OF BAFFLE
		SPEAKER	XFMR	
FA95-8FR	**FA118T72FR**	FA118	T72	
FA97-8FR	**FA138T42FR**	FA138	T42	FA730-8
	FA138T47FR		T47	FA51-8FR
	FA138T87FR		T87	FA720-8FR
	FA138T167FR		HT167	FA730-8FR

* Enclosure-Fiber kit and speaker assembly are ordered separately.

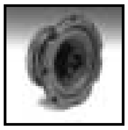
STANDARD SERIES FIRE-RATED SYSTEM COMPONENTS***

ENCLOSURE-FIBER KIT*	SPEAKER ASSEMBLY*	SPEAKER ASSEMBLY INCLUDES		MOUNTS CHOICE OF BAFFLE*
		SPEAKER	XFMR	
	FC104T25FR		T25	**51-4FR**
96-4FR	**FC104T70FR**		T70	(mounts 96-4FR)
or	**FC104T42FR**	FC104	T42	**161-4FR**
198-4FR	**FC104T47FR**		T47	(mounts 198-4FR)
	FC104T72FR		T72	

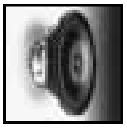
* Enclosure-Fiber kit, speaker assembly, and baffle are ordered separately and must be used together to comply with UL classification.

ENCLOSURE-FIBER KIT*	SPEAKER ASSEMBLY*	INCLUDES		MOUNTS CHOICE OF BAFFLE*
		SPEAKER	XFMR	
95-8FR	**C5AT25FR**		T25	**51-8FR** (mounts 95-8FR & 96-8FR)
96-8FR	**C5AT70FR**		T70	**62-8FR** (mounts 95-8FR & 96-8FR)
191-78FR	**C5AT72FR**	C5A	T72	**61-8WFR** (mounts 95-8FR & 96-8FR)
193-8FR	**C5AT42FR**		T42	**164-8FR** (mounts 191-78FR)
198-8FR	**C5AT47FR**		T47	**169-8FR** (mounts 193-8FR)
95-8FR	**C10AT25FR**		T25	**51-8FR** (mounts 95-8FR & 96-8FR)
96-8FR	**C10AT70FR**		T70	**62-8FR** (mounts 95-8FR & 96-8FR)
191-78FR	**C10AT72FR**	C10A	T72	**61-8WFR** (mounts 95-8FR & 96-8FR)
193-8FR	**C10AT42FR**		T42	**164-8FR** (mounts 191-78FR)
198-8FR	**C10AT47FR**		T47	**169-8FR** (mounts 193-8FR)
	C10AT87FR		T87	**161-8FR** (mounts 198-8FR)
95-8FR	**C803AT25FR**		T25	**51-8FR** (mounts 95-8FR & 96-8FR)
96-8FR	**C803AT70FR**		T70	**62-8FR** (mounts 95-8FR & 96-8FR)
191-78FR	**C803AT72FR**	C803A	T72	**61-8WFR** (mounts 95-8FR & 96-8FR)
193-8FR	**C803AT42FR**		T42	**164-8FR** (mounts 191-78FR)
198-8FR	**C803AT47FR**		T47	**169-8FR** (mounts 193-8FR)
	C803AT87FR		T87	**161-8FR** (mounts 198-8FR)

* Enclosure-Fiber kit, speaker assembly, and baffle are ordered separately and must be used together to comply with UL classification.
** Fire-Resistant systems using Strategy Series will be available 3rd Quarter 1999.
*** Fire-Resistant systems using Standard Series will be available 2nd Quarter 1999.


FA134

FA136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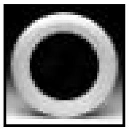
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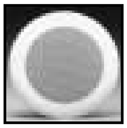
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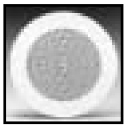
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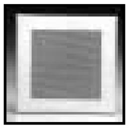
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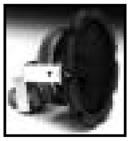
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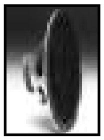
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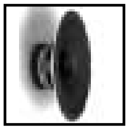
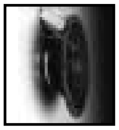
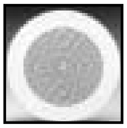

C10AC


803A-T87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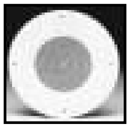
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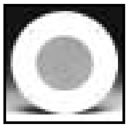
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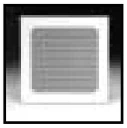
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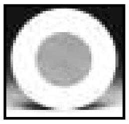
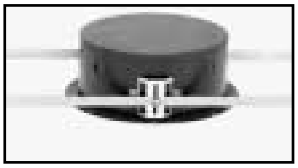
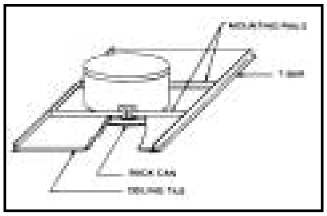
169-8A


161-8

EZ MOUNT ENCLOSURE SYSTEM FOR SUSPENDED CEILINGS

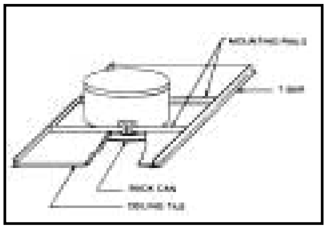


EZ95-8



ALL MODELS (EXCEPT EZ95-8)

Mounting rails are 26" (660mm) long and supported on the T-Bar.



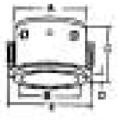
EZ95-8 ONLY

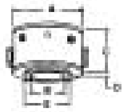
Mounting rails are 23¾" (603mm) long and supported on the ceiling tile.

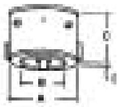
General Description

Time and labor-saving enclosure system (Patent #4, 484, 658) for 4" and 8" loudspeakers installs quickly and efficiently. Enclosures have premounted brackets and install easily with screws to support rails provided. No costly tile bridge is necessary. Welded CRS enclosures are undercoated and finished in textured black epoxy. Support rails are CRS and finished in a galvanized coating.

EZ MOUNT ENCLOSURES FOR 4" LOUDSPEAKERS

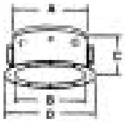


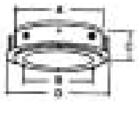


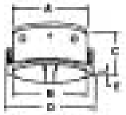


MODEL	DIMENSIONS					MOUNTS BAFFLE MODEL*
	A	B	C	D	E	
EZ96-4	6¼" (159mm)	5⅛" (130mm)	4¼" (108mm)	½" (13mm)	7⅛" (181mm)	51-4, 60-4
EZ96-4X	10⅛" (257mm)	5⅛" (130mm)	6" (152mm)	½" (13mm)	6¼" (159mm)	51-4, 60-4
EZE410	10⅛" (257mm)	6⅜" (162mm)	6" (152mm)	½" (13mm)	—	T51-4, T60-4, T710-4, T720-4(BT)

EZ MOUNT ENCLOSURES FOR 8" LOUDSPEAKERS







MODEL	DIMENSIONS					MOUNTS BAFFLE MODEL*
	A	B	C	D	E	
EZ95-8	10⅛" (257mm)	9⅞" (251mm)	4¼" (108mm)	11¾" (298mm)	—	51-8, 60-8(W), 61-8W, (T)62-8, 63-8, 170-8, G22-8, M222W, P900, T51-8, T61-8W, T610-8, T710-8, T720-8A, TM222W
EZ96-8	11 15/16" (303mm)	10¾" (273mm)	4¼" (108mm)	13½" (343mm)	—	G22-8, 51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8, M222W, P900
EZ195-8	10" (254mm)	10⅛" (257mm)	5½" (140mm)	11¾" (298mm)	11/16" (18mm)	T730-8B(8W)

MOUNTING RAIL INFORMATION	
ENCLOSURE MODEL	**MTG. RAIL LENGTH**
EZ95-8	23¾" (603mm)
All models except EZ95-8	26" (660mm)

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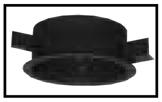
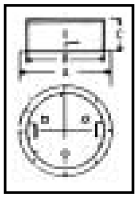
*Baffles with a "T" prefix indicate torsion spring mounting.

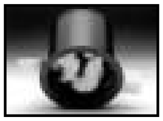
BLIND-MOUNT ENCLOSURES FOR 4" & 8" LOUDSPEAKERS

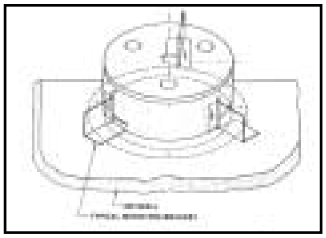
BMT Series. Unique enclosure system (U.S. Patent #4, 673, 149) provides easy and cost-effective loudspeaker installation in hard-to-access ceilings, including drywall. Models are equipped with unique mounting ears that telescope out from the enclosure interior and adjust vertically to accommodate ceilings with a thickness of ½" (13mm) to 1⅜" (35mm). Construction is CRS with torsion spring receptacles and three ½" (13mm) conduit knockouts in the enclosure top. J-Nuts are included on the return of the enclosure to accommodate surface-mounting grilles. Standard depth Models BMT95-8 and BMT95-4 include sound dampening material to minimize metallic resonance. Extra depth Models BMT95-8-7 and BMT95-4-7 feature high-density, acoustic batting.

MODEL	DIMENSIONS			MOUNTS BAFFLE (Order separately)
	A	B	C	
BMT95-8	11¾" (298mm)	10⅛" (257mm)	4¼" (108mm)	(T)51-8, 60-8(W), (T)61-8W, (T)62-8, 63-8, 170-8, G22-8, T610-8W, T710-8, T720-8A, M222W, TM222W, P900, VP60-R
BMT95-8-7			7" (178mm)	
BMT95-4	7⅞" (200mm)	6½" (165mm)	5" (127mm)	T51-84, T720-4BT
BMT95-4-7			7" (178mm)	


BMT95-8




BMT95-4


BMT Series

ENCLOSURES FOR EXTENDED LOUDSPEAKER PERFORMANCE

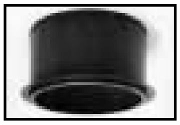
EXTRA-DEPTH BACKBOXES FOR 8" LOUDSPEAKERS

Achieve improved low-frequency performance of 8" commercial and professional loudspeakers with Atlas Sound extra-depth enclosures. Increased volume extends bass response by allowing additional acoustic loading for cost-effective application wherever enhanced audio quality is desired. Enclosures are undercoated and lined with 1½" (38mm) thick high density fiberglass (1½ lbs per cu ft) to prevent metallic resonance in the high end of the frequency spectrum. Selection includes industry-standard 95 Series in screw-mount and torsion spring (T) versions, popular 96 Series with internal mounting holes on the flange for installation convenience in acoustic tile ceilings and Model 191-78-8 with adjustable mounting bracket for installation flexibility in a variety of ceiling types and depths. All enclosures are heavy-gauge CRS furnished with combination conduit knockouts. Recessed models are finished in textured black epoxy. Surface model is finished in textured white epoxy.

MODEL	DIMENSIONS	STYLE	CU. FT.
★ **(T)95-8-7**	7"D x 11¾" Dia. (178 x 298mm)	Recessed	.306 ft.^{3}
(T)95-8-10	10"D x 11¾" Dia. (254 x 298mm)		.438 ft.^{3}
96-8-7	7"D x 11⅞" Dia. (178 x 302mm)		.449 ft.^{3}
96-8-10	10"D x 11⅞" Dia. (254 x 302mm)		.641 ft.^{3}
198-8-8	8"D x 10⅝" SQ. (203 x 270mm)		.492 ft.^{3}
191-78-8	8"D x 11 11/16" SQ. (203 x 297mm)		.632 ft.^{3}
SM191-78-8	8"D x 12¾" SQ. (203 x 324mm)	Surface	.753 ft.^{3}

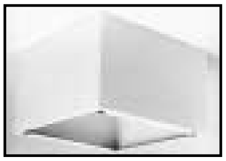
MODEL	MOUNTS BAFFLES
T95-8-7/T95-8-10	(T)51-8, (T)60-8(W), (T)61-8W, (T)62-8, 63-8, 170-8A, G22-8, M222W, T610-8(W), T710-8, T720-8A, TM222W, P900, VP60-R
95-8-7/95-8-10	51-8, 60-8W, 61-8W, 62-8, 63-8, 170-8A, G22-8, M222W, P900, VP60-R
96-8-7/96-8-10	
198-8-8	160-8SWA, 161-8
191-78-8/SM191-78-8	164-8A

95-8-10


96-8-7

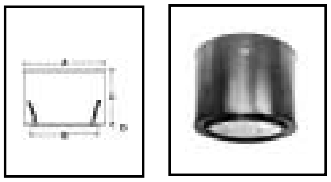
191-78-8

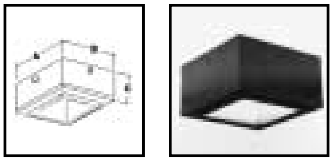
198-8-8


SM191-78-8

★ Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling “plenum” spaces. Torsion spring option not approved.

ENCLOSURES FOR HIGH-PERFORMANCE LOUDSPEAKERS


Q408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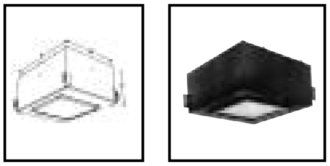
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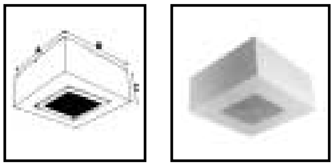
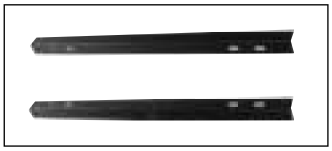

Q428SA


QR30

Q SERIES ENCLOSURES

General Information: Q Series assembly matches the acoustical characteristics of ¾" (19mm) plywood, while providing the structural, economic, and code regulation benefits afforded by metal enclosures. Construction is 18-gauge CRS with formed strengthening ribs on the enclosure back. Acoustic fiberboard is permanently affixed to the inner wall surfaces of all square enclosures to eliminate hangover and vibration (cylindrical enclosures utilize undercoating). Inner walls are also lined with 1½" (38mm) thick fiberglass having a 1½ lb./cu. ft. density to control unwanted resonances in the high end of the frequency spectrum. Compound ½"-¾" (13-19mm) conduit knockouts are furnished on all four sides to facilitate wiring. Enclosures are finished in black textured epoxy (Q428-SA is white epoxy). Note: Recessed enclosures with a cubic content greater than 1 cu. ft. may require optional QR Series mounting angles.

RECESSED CYLINDRICAL ENCLOSURE WITH UNDERCOATING

MODEL	SPEAKER	CU. FT.	A	B	C	D	MOUNTS TO
Q408	8" (203mm)	1 (0.28m^3)	14⅜" (365mm)	12" (305mm)	10½" (267mm)	⅜" (10mm)	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8A, G22-8, M222W, P900, VP60-R

RECESSED ENCLOSURES WITH ½" FIBER BOARD

MODEL	SPEAKER	CU. FT.	A	B	C	MOUNTS TO
QS408	8" (203mm)	1 (0.28m^3)	15" (381mm)	15" (381mm)	8" (203mm)	164-8A
Q418	8" (203mm)	1½ (.042m^3)	18" (457mm)	18" (457mm)	8" (203mm)	164-8A
Q4412	12" (305mm)	2 (.056m^3)	23" (584mm)	18" (457mm)	8" (203mm)	164-12A
Q4612	12" (305mm)	3 (.084m^3)	23" (584mm)	18" (457mm)	12" (305mm)	164-12A

RECESSED ENCLOSURES WITH 1" FIBER BOARD

MODEL	SPEAKER	CU. FT.	A	B	C	MOUNTS TO
Q4712	12" (305mm)	4 (.113m^3)	23" (584mm)	18" (456mm)	16¾" (425mm)	164-12A
Q4812	12" (305mm)	6 (.169m^3)	29½" (749mm)	23" (584mm)	15" (381mm)	164-12A
Q4915	15" (381mm)	6 (.169m^3)	29½" (749mm)	23" (584mm)	15" (381mm)	164-15A

SURFACE ENCLOSURE WITH PREMOUNTED CRS BAFFLE

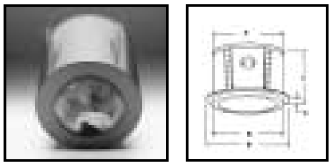
Q428-SA. Convenient assembly is 1½ cu. ft. with ½" thick fiber board. Package includes above specifications and premounted baffle (included) is recessed into the enclosure for flush appearance. Back plate is removable for installation ease. Finish is textured white epoxy.

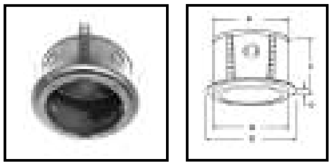
MODEL	SPEAKER	CU. FT.	A	B	C
Q428-SA	8" (203mm)	1½ (0.42m^3)	18" (457mm)	18" (457mm)	8½" (216mm)

MOUNTING ANGLES

QR30. Optional angles are recommended for Q Series enclosures with a cubic content greater than 1 cu. ft. 16-gauge CRS construction. Angles are 30"L (762 mm) and finished in black baked epoxy (1 pr.).

ROUND PROTECTIVE ENCLOSURES FOR RECESSED INSTALLATION


E410-11


96-4

TORSION SPRING ENCLOSURES FOR 4" LOUDSPEAKERS*

E410 Series. Enclosures mount 4" loudspeakers and accept a variety of torsion-spring grilles. Model E410 is ¼ cu. ft. (.007m^3) enclosure. Model E410-11 is an extra-depth [½ cu. ft. (.014m^3)] version of the E410. All versions are constructed of CRS, undercoated, equipped with torsion spring receptacles, and finished in textured black epoxy. Models with (NK) suffix have no conduit knockouts.Use model FA81-4 tile bridge or 180 series rails for suspended ceiling applications.

MODEL	A	B	C	D
E410(NK)	10⅛" (257mm)	6⅜" (162mm)	6½" (165mm)	½" (13mm)
E410-11	10⅛" (257mm)	6⅜" (162mm)	11" (279mm)	½" (13mm)

ECONOMICAL COMPACT ENCLOSURE FOR 4" LOUDSPEAKERS*

96-4 Series. Cost-effective enclosure for 4" (102mm) loudspeakers are designed to screw-mount baffle Models 51-4 and 60-4. Model 96-4 is equipped with compound conduit knockouts.

MODEL	A	B	C	D	E
96-4*	6¼" (159mm)	6¼" (159mm)	4¼" (108mm)	½" (13mm)	7⅛" (181mm)

*Reference Baffle/Enclosure Mounting Guide for list of compatible grilles.

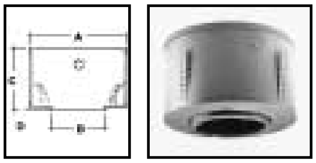
★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling “plenum” spaces.

ROUND PROTECTIVE ENCLOSURES FOR RECESSED INSTALLATION

EXTRA-DEPTH ENCLOSURE FOR 4" LOUDSPEAKERS**

96-4X Series. Providing improved low-end performance for 49 loudspeakers. Model 96-4X has a volume of ¼ cu. ft. (.007m3). They are similar to Series 96-4 with increased width and depth. Constructed of CRS, undercoated, and finished in textured black epoxy.

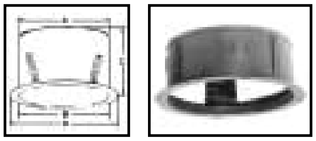
	MODEL	A	B	C	D
★	**96-4X**	10" (254mm)	6¼" (159mm)	6" (152mm)	½" (13mm)


96-4X

ECONOMICAL ENCLOSURE FOR 8" & 12" LOUDSPEAKERS**

95 Series. Versatile, industry-standard enclosures are available in many configurations to meet installation and application requirements. Original Models 95-8 and 95-12 are furnished with four compound conduit knockouts each, flexible perforated straps and 8-32 J-Clips. Models with (T) prefix are also equipped with torsion-spring receptacles. Models with (NS) suffix have no mounting straps—those with (NK) suffix have no knockouts. Assemblies are CRS with textured black epoxy finish and patch-jute lining. For extra depth Models (T)95-8-7 and (T)95-8-10 with acoustic fiberglass see "Enclosures for Extended Loudspeaker Performance,'' this section.

	MODEL	A	B	C	D
★	**(T)95-8(NS)(NK)***	10⅛" (257mm)	11¼" (286mm)	4¼" (108mm)	11¾" (298mm)
	95-12	14 3⁄16" (360mm)	15½" (394mm)	7" (178mm)	16 9⁄16" (421mm)


95-8

STACKABLE ENCLOSURES**

CS95 Series. Ideal for contractors with limited storage facilities, this conically shaped enclosure nests to achieve reduced inventory space requirements and transportation costs. Furnished with four combination conduit knockouts ½"– ¾" (13–19mm), flexible perforated strap, and four J-clips. One-piece CRS construction, undercoated, patch-jute lined and finished in textured black epoxy. (Note: Enclosure is not designed to mount loudspeakers with premounted line transformer models HT167 and HT327).

MODEL	A	B	C	D
CS95-8	9¾" (249mm)	11¼" (286mm)	11¾" (298mm)	4¼" (108mm)

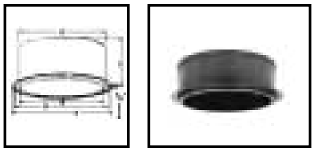
CS95-8 (stacked)

CS95-8

ENCLOSURE WITH INTERNAL MOUNTING HOLES**

96-8 Series. Popular enclosure is designed with mounting holes located on the internal flange of the enclosure to provide installation ease and convenience in acoustic tile ceiling applications. Furnished with four compound conduit knockouts and extended plaster flange. Constructed of CRS, undercoated and finished in textured black epoxy. Model with (NK) suffix has no knockouts. For extra depth Models 96-8-7 and 96-8-10 with acoustic fiberglass, refer to "Enclosures for Extended Loudspeaker Performance,'' this section.

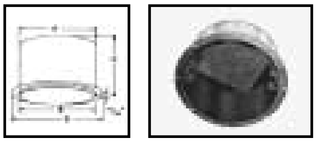
	MODEL	A	B	C	D	E
★	**96-8(NK)**	11⅞" (302mm)	10¾" (273mm)	4¼" (108mm)	11⅞" (302mm)	13½" (343mm)


96-8

TORSION-SPRING ENCLOSURE**

T195-8 Series. Enclosures are specifically designed to mount with quality torsion-spring grille Models T730-8B(8G). Model T195-8 is furnished with four compound conduit knockouts; Units are CRS with undercoating, patch-jute lining, and textured black epoxy finish.

MODEL	A	B	C	D
T195-8	10⅛" (257mm)	10⅛" (257mm)	6⅛" (156mm)	11¾" (298mm)

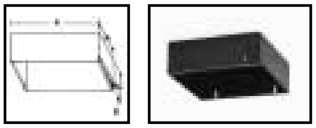

T195-8

RECTANGULAR ENCLOSURES FOR RECESSED INSTALLATION

ENCLOSURE WITH ADJUSTABLE MOUNTING BRACKET**

191 Series. Versatile enclosure is ideal as a standard stock item. Features an adjustable mounting bracket (1⁄16"–¾") to provide installation flexibility in a variety of ceiling types and depths. Series is available in choice of two depths and for standard screw-mount and torsion spring (T) baffle installation. CRS enclosure is furnished with four compound conduit knockouts, heavy undercoating, patch-jute lining and black epoxy finish. For extra-depth Model 191-78-8 with acoustic fiberglass, refer to "Enclosures for Extended Loudspeaker Performance,'' this section.

	MODEL	A	B	C	D
★	**(T)191-78**	11 11⁄16" (297mm)	11 11⁄16" (297mm)	4" (102mm)	*1⁄16"–¾" (2–19mm)


191-78

* Adjustable Mounting Flange.
** Reference Baffle/Enclosure Mounting Guide for list of compatible grilles.

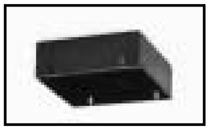
★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling "plenum" spaces. Torsion spring option not approved.

RECTANGULAR ENCLOSURES

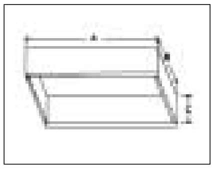
ECONOMICAL ENCLOSURE**

193 Series. Cost-efficient enclosure is provided in two depths and furnished with four compound conduit knockouts for standard screw-mount baffle installation. Construction is CRS, undercoated and finished in black epoxy.

MODEL NO.	A	B	C
193-8	9⁹⁄₁₆" (243mm)	9⁹⁄₁₆" (243mm)	3¾" (95mm)
193-8-6	9⅝" (244mm)	9⅝" (244mm)	6" (152mm)



198-8



ENCLOSURE FOR 4" AND 8" LOUDSPEAKERS**

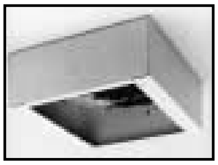
198 Series.* Model 198-4 is designed for 4" (102mm) loudspeakers and will accommodate standard screw-mount baffles. 198-8 Series is designed for 8" (203mm) loudspeakers and is available in two depths and choice of standard screw-mount or torsion-spring (T) baffle mounting configurations. All models are CRS construction with four compound conduit knockouts. For extra depth Model 198-8-8 with acoustic fiberglass, refer to "Enclosures for Extended Loudspeaker Performance," this section.

MODEL NO.	A	B	C
★ **198-4**	6¼" (159mm)	6¼" (159mm)	4⅛" (105mm)
(T)198-8	10¹¹⁄₁₆" (271mm)	10¹¹⁄₁₆" (271mm)	3¾" (95mm)

* Models with slotted mounting holes will also accept 180 Series support rails to facilitate installation in suspended tile ceilings.

RECTANGULAR ENCLOSURES FOR SURFACE INSTALLATION

ENCLOSURES FOR VANDAL-PROOF BAFFLES

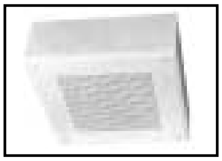


SE161-R

SE161-R Series. Durable enclosures are designed to surface mount all VP161 Series vandal proof baffles. CRS construction, undercoated and finished in textured white.

MODEL NO.	SPEAKER	DIMENSIONS	DEEP	MOUNTS
SE161-R	8" (203mm)	11" SQ. (279mm)	4" (102mm)	VP161 Series
SE161-R6			6" (152mm)	VP161 Series

CONTEMPORARY ENCLOSURE



SE175-4
(shown with 161-8)

SE175-4. Attractive and highly versatile enclosure will accommodate standard screw-mount and torsion spring baffles. CRS construction, undercoated and finished in textured white.

MODEL NO.	SPEAKER	DIMENSIONS	DEEP	MOUNTS
SE175-4	8" (203mm)	11⅝" SQ. (295mm)	4" (102mm)	(T)161-8, T620-8P912

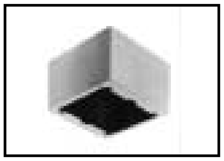
DELUXE ENCLOSURE

SM191-78

SM191-78. Architecturally pleasing enclosure presents a clean, crisp appearance. CRS construction, undercoated and finished in textured white. For extra depth Model SM191-78-8 with acoustic fiberglass, refer to "Enclosures for Extended Loudspeaker Performance," this section.

MODEL NO.	SPEAKER	DIMENSIONS	DEEP	MOUNTS
SM191-78	8" (203mm)	12¾" SQ. (324mm)	4" (102mm)	164-8A

ENCLOSURE FOR 4" LOUDSPEAKERS



SE198-4

SE198-4. Contemporary design is suitable for a wide range of commercial and industrial applications. CRS construction, undercoated and finished in textured white.

MODEL NO.	SPEAKER	DIMENSIONS	DEEP	MOUNTS
SE198-4	4" (102mm)	7⅛" SQ. (181mm)	4⅜" (111mm)	161-4

** Reference Baffle/Enclosure Mounting Guide for list of compatible grilles.

★ c UL us LISTED Enclosures are UL 1480 general signaling listed and accepted under UL 2043 for use in air handling "plenum" spaces. Torsion spring option not approved.

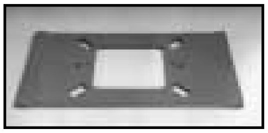
TILE BRIDGES FOR 4" & 8" LOUDSPEAKERS*

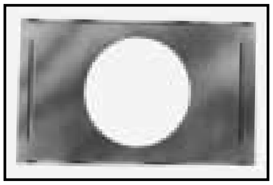
81-8S/81-8R/81-4. Load-bearing bridges prevent ceiling tile sag in ceiling installations by distributing loudspeaker, enclosure and/or baffle assembly weight to overhead T-bar support members. Model 81-8S mounts 8" loudspeaker packages and enclosures and features a square cut-out with a multi-position hole pattern to accommodate a variety of round and square baffles including torsion spring and screw-mount models. Model 81-8R has a round cut-out and mounts 8" loudspeaker packages and enclosures; the 81-4 has a round cut-out and mounts 4" loudspeaker packages. All tile bridges are constructed of 24-gauge rust-resistant electrogalvanized steel.

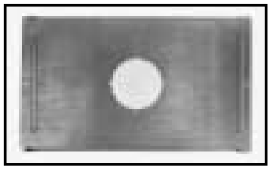
MODEL	CUT-OUT	LENGTH	WIDTH	DEPTH
81-8S	8" SQ. (203mm)	23⅝" (600mm)	14⅛" (359mm)	¼" (6mm)
81-8R	10¾" Dia. (273mm)			
81-4	$5\frac{3}{16}$" Dia. (132mm)			

MODEL	MOUNTS BAFFLE MODELS
81-8S	(T)51-8, (T)60-8(W), (T)61-8W, (T)62-8, 63-8, (T)161-8, (T)164-8, 169-8, 170-8A, M222W, TM222W, T610-8(W), T620-8, T710-8, T720-8A, P900, P910
81-8R	51-8, 60-8(W), 61-8W, 62-8, 63-8, 170-8A, M222W, P900
81-4	51-4, 60-4

*Tile bridges for Strategy Series and EQ Series loudspeaker systems are located with the system components in section 1.


81-8S


81-8R


81-4

CHANNEL SUPPORTS

180 Series. For application in suspended ceiling installations where adequate support is not available to mount loudspeaker, enclosure and baffle. Furnished with provisions to mount any type of protective enclosure or plaster frame. CRS construction. Galvanized finish.

186 Series. Support rails provide quick and efficient installation of protective enclosures and mounting rings in 16" (406mm) and 24" (610mm) stud ceiling construction. Adjustable slot and sliding basket nut allow a wide range of positioning flexibility to meet your application requirements. 186 Series is ideal for use with 95 and 96 Series enclosures and 75 and 76 Series mounting rings for 8" loudspeakers. Note: series will not accept enclosures and mounting rings for 4" loudspeakers. CRS construction. Galvanized finish.

MODEL	LENGTH
180-2	23¾" (603mm)
180-4	47¾" (1213mm)
186-16	18" (457mm)
186-24	26" (660mm)

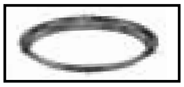
180 Series

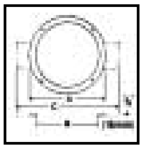
186 Series

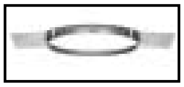
MOUNTING RINGS*

75 Series. Versatile series is ideal for installation of screw-mount and torsion-spring (T) baffles with 8" (203mm) and 12" (305mm) loudspeakers. Recommended for a variety of ceiling constructions including dry wall, plaster and conventional ceiling applications when protective enclosures are not required. CRS construction. Finished in black epoxy. Four staking rivets or two torsion tabs included. (E1 suffix designates models with mounting ears for 16" (406mm) stud ceilings; E2 for 24" stud ceilings.) Note: T75-8 will not accept Model T730-8 grille.

MODEL	A	B	C
(T)75-8	11¾" (298mm)	9⅞" (251mm)	—
(T)75-8E1	11¾" (298mm)	9⅞" (251mm)	17" (432mm)
(T)75-8E2	11¾" (298mm)	9⅞" (251mm)	23½" (597mm)


75-8

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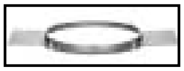
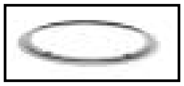

75-8E2

76-4. For screw-mount installation of baffle models 51-4 and 60-4 with 4" loudspeakers. Designed for dry wall, plaster and conventional ceiling construction when use of a backbox is not required. Manufactured from heavy-gauge CRS. Finished in black epoxy. Four 8-32 J-nuts included.

MODEL	A	B
76-4	7⅛" (181mm)	6¼" (159mm)

76-8. For installation of screw mount baffles with 8" (203mm) loudspeakers in drywall, plaster and conventional ceiling construction when protective enclosures are not required. CRS construction. Finished in black epoxy. Four 8-32 J-nuts included.

MODEL	A	B	C
76-8	13½" (343mm)	11⅞" (302mm)	—
76-8E2	13½" (343mm)	11⅞" (302mm)	23½" (597mm)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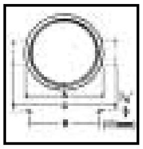
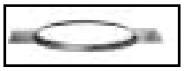
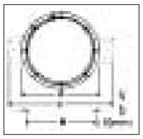


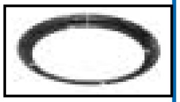

76-8E2

Mounting Rings Continued on The Next Page

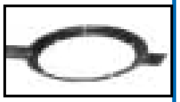
*Mounting rings and accessories for Strategy Series Loudspeaker systems are located with the system components in section 1.



P Series



P77-8

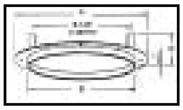


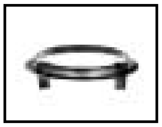
P78-8

MOUNTING RINGS (CONT.)

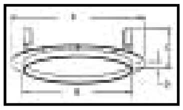
P Series. Plastic mounting rings are ideal for retrofit applications with hard-to-access ceilings. Model P77-8 may be conveniently installed from ground level by cutting a 12" (305mm) dia. hole in the ceiling, snapping ring at breakslot, and maneuvering it up through hole to rest above ceiling. Model P78-8 includes mounting ears for conventional installation in 16" (406mm) stud ceilings. Construction is polystyrene plastic. Four J-nuts included.

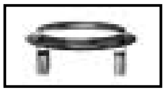
MODEL	A	B	C
P77-8	13⅝" (346mm)	11 15/16" (303mm)	—
P78-8	13⅝" (346mm)	11 15/16" (303mm)	18" (457mm)





PR411





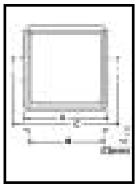
PR412

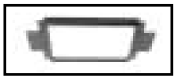
PR411/PR412. Versatile mounting ring installs to a variety of torsion-spring grilles with 4" (102mm) loudspeakers in drywall, plaster and conventional ceiling construction. Recommended for ease and economy when a protective enclosure is not specified. CRS construction. Finished in black epoxy. Includes torsion tabs.

MODEL	A	B	C	D
PR411	7⅞" (200mm)	6⅜" (162mm)	2¼" (57mm)	½" (13mm)
PR412	7⅞" (200mm)	6⅜" (162mm)	3¼" (83mm)	½" (13mm)

PR Series. These models mount several Atlas Sound torsion spring grilles with 4" (102mm) loudspeakers. Model PR411 is a versatile mounting ring that installs a variety of torsion spring grilles; PR412 is provided for use with Model T730-4B only. All units are of 20 ga. CRS construction, finished in textured black epoxy, and include two torsion tabs.

MODEL	A	B	C
71-8E2	13½" SQ. (343mm)	11¾" SQ. (298mm)	17" (432mm) 23½" (597mm)
72-8E1	12¼" SQ.	10 11/16" SQ. (311mm)	17" (432mm) (271mm)





72-8E1

MOUNTING FRAMES

71/72 Series. Versatile series is ideal for installation of screw-mount baffles with 8" (203mm) loudspeakers when protective enclosures are not required. Selection includes models for a variety of ceiling constructions including drywall, plaster, conventional, and stud ceiling applications. Models with an (E1) suffix include mounting ears to accommodate 16" (406mm) stud ceiling construction. Models with an (E2) suffix include mounting ears for 24" (610mm) stud ceiling applications. All models are CRS construction and include four 8-32 weldnuts or two torsion tabs. Finished in black epoxy.

INDUSTRY STANDARD AUTO TRANSFORMER

AT Series. UL listed high-quality auto transformer series provides the advantages of excellent frequency response, low insertion loss and reliable performance for volume control application in 25 and 70.7 volt systems. Attenuation is accomplished in ten steps plus positive off position. (No stop between maximum and off position to prevent switch damage). Contacts are silver plated for noise-free operation. Includes stainless steel plate, stamped and filled dial scale with skirted black knob.

MODEL	POWER RATING (Watts)	ATTENU-ATION PER STEP	TOTAL ATTENU-ATION	INSERTION LOSS	PLATE SIZE	PLATE TYPE	PLATE COLOR
★ AT10(-PA)	10	3dB	33dB	.4dB	1 gang	Stainless	NA
★ AT35(-PA)	35	3dB	27dB	.6dB	1 gang	Stainless	NA
★ AT100(-PA)	100	3dB	27dB	.6dB	1 gang	Stainless	NA

AT Series. White & Ivory Decora Style plastic plates, with matching skirted knobs.

MODEL	POWER RATING (Watts)	ATTENU-ATION PER STEP	TOTAL ATTENU-ATION	INSERTION LOSS	PLATE SIZE	PLATE TYPE	PLATE COLOR
AT10DW	10	3dB	33dB	.4dB	1 gang	Plastic Decora	White
AT10DI	10	3dB	33dB	.4dB	1 gang	Plastic Decora	Ivory
AT35DW	35	3dB	27dB	.6dB	1 gang	Plastic Decora	White
AT35DI	35	3dB	27dB	.6dB	1 gang	Plastic Decora	Ivory
AT100DW	100	3dB	27dB	.6dB	1 gang	Plastic Decora	White
AT100DI	100	3dB	27dB	.6dB	1 gang	Plastic Decora	Ivory

New AT Series available on or around 7-15-02. Previous (“A”) models available until then.

ET-10A. Economical attenuator features a terminal strip in place of pigtail leads. The 10 watt unit may be used on 25 or 70.7 volt line. Attenuation is in ten steps plus positive off position. Switch incorporates a stop between maximum and off position. Stainless steel plate, silkscreened dial scale and skirted black knob.

MODEL	POWER RATING (Watts)	ATTENU-ATION PER STEP	TOTAL ATTENU-ATION	INSERTION LOSS	PLATE SIZE	PLATE TYPE	PLATE COLOR
ET-10A	10	1.5dB	15dB	.5dB	1 gang	Stainless	NA

AUTO TRANSFORMER WITH PRECISION LEVEL CONTROL

E408 Series. Specially designed for attenuation in masking and sound reinforcement systems where fine tuning of level control is required. Series employs a ten-position, non-shorting rotary switch without stop. Attenuation rate is 1.5dB per step. (All other specifications are the same as the AT Series including the UL listing).

MODEL	POWER RATING (Watts)	ATTENU-ATION PER STEP	TOTAL ATTENU-ATION	INSERTION LOSS	PLATE SIZE	PLATE TYPE	PLATE COLOR
★ E408-1	10	1.5dB	15dB	.4dB	1 gang	Stainless	NA
★ E408-3	35	1.5dB	15dB	.6dB	2 gang	Stainless	NA
★ E408-7	75	1.5dB	15dB	.6dB	2 gang	Stainless	NA

POTENTIOMETER ATTENUATOR

VC Series. Economical attenuator provides level control for low-power loudspeaker circuits. Model VC-50 has 50 ohm impedance for application with 4, 8 and 16 ohm voice coil circuits. Model VC-5K has 5000 ohm impedance for use with constant voltage loudspeaker circuits. Control is continuously variable. Both models are capable of handling 3 watts D.C. Complete with stainless steel plate, stamped and filled dial scale and skirted black knob.

MODEL	POWER RATING (Watts)	ATTENU-ATION PER STEP	INSERTION LOSS	PLATE SIZE	PLATE TYPE	PLATE COLOR	RESIS-TANCE
VC-5K(-PA)	3(DC)	Cont.	1dB	1 gang	Stainless	NA	5K ohms
VC-50	3(DC)	Cont.	1dB	1 gang	Stainless	NA	50 ohms

PRIORITY PAGING OPTION

PA Series. Priority paging feature by-passes the effect of the attenuator to provide program level selection of individual emergency and paging signals at the amplifier. Option is available on all AT Series attenuators and Model VC-5K. The SPDT relay is operated with 24 VDC at 10mA. Includes protective relay cover to insure lasting trouble-free performance tinned leads. (All other specifications except for dimensions are the same as selected AT and VC Series Models.)

RACK MOUNT OPTION

RM Series. For attenuation convenience of rack-mounted equipment in cabinets and consoles, the AT, E408 and VC Series attenuators are available without mounting plate for rack panel installation. Attractive matte black polycarbonate dial scale overlay with adhesive backing replaces the mounting plate. Includes skirted black knob. Overlay size is 2" sq. (51mm). (To order, simply add RM after the selected attenuator model number. Example: AT10-RM or AT10-PARM.) (Dial scale overlays to retrofit existing installations are available, see hardware section Model HX23.) For easy rack mounting of RM series attenuators, see model AT PLATE, catalog Section 10.

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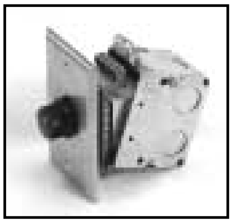
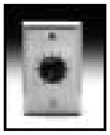
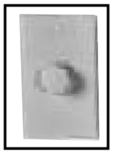
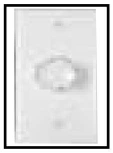
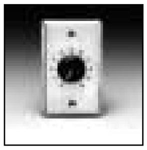

AT10 shown in standard backbox


AT10/35/100
Series
VC-50
E408-1/VC-5K

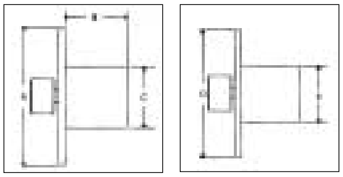

Ivory


White

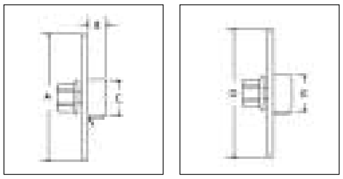
FOUR


ET-10A

RM Series


AT, ET, E408 Series

Side View Top View


VC Series

Side View Top View

DIMENSIONAL SPECIFICATIONS PLATE MOUNTED ATTENUATORS					
MODEL	A	B	C	D	E
AT10	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT10-PA	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT35	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT35-PA	4 1/2"	2 1/8"	2 3/4"	2 3/4"	1 3/4"
AT100	4 1/2"	2 1/2"	2 3/4"	2 3/4"	1 3/4"
AT100-PA	4 1/2"	2 1/2"	2 3/4"	2 3/4"	1 3/4"
ET-10A	4 1/2"	2 1/16"	2 1/16"	2 3/4"	1 11/16"
E408-1	4 1/2"	2 1/8"	1 1/2"	2 3/4"	1 11/16"
E408-3	4 1/2"	2 5/16"	1 3/4"	4 9/16"	1 5/16"
E408-7	4 1/2"	2 5/8"	2 1/16"	4 9/16"	2 5/16"
VC-5K (-50)	4 1/2"	5/8"	1 1/4"	2 3/4"	—
VC-5K-PA	4 1/2"	1 1/4"	2"	2 3/4"	1 1/2"

DWTM/DWT/DSUM Series
(Shown with cover plate)

SWT/SWTM/SSUM Series

DWS/DWSM/DSUMS Series
(Shown with cover plate)

SWS/SSUMS Series

WHISPERTOUCH IMPEDANCE-MATCHING VOLUME CONTROLS

Devices provide clear, distortion-free music reproduction when one or multiple loudspeaker pairs are powered by a single amplifier. Additionally, 8 ohm models provide load protection. Attenuation is accomplished in ten steps. All 70V models are UL listed.

Original. These innovative volume controls feature impedance-matching to protect the amplifier and balance the audio signal, fine-tune level control to adjust low listening levels to the perfect setting, and an easy-grip low-profile knob. The knob features smooth detents and make-before-break contacts for smooth transition when changing volume settings. It measures ⅞" dia. x ⅜" projection. Series is offered in 8 ohm, 70V stereo and 70V mono versions to satisfy any volume control requirement. All models have a frequency response of 20 Hz - 20 kHz (-3dB, +0). Models with 8 ohm impedance measure up to 2¾" deep for mounting into a 20 cu. in. or backless E.O. box. Recommended models include Carlon Model B120A. Models for 70V use are 2½" deep for mounting into an 18 or 20 cu. in. backbox. Units accept 14 to 20-gauge wire for termination and are offered in Decora-styling or with standard plate. Choose white (W) or ivory (I).

Switched. These include all the features of Original WhisperTouch plus an on/off switch and status indicator light. The “smart” relay switch automatically puts speakers into “stand-by” mode making them available rather than indiscriminantly active when the audio system is powered on. Audio is accessed by simply touching the switch. The small yet helpful status indicator light provides quick visual assessment of the audio system availability. Switched and Summing/Switched models require a 12 VDC power supply (order separately).

Summing. Offered in Original and Switched versions, Summing models combine left and right stereo signals to supply a single speaker with full-fidelity music reproduction in small or secondary listening areas. Switched and Summing/Switched models require a 12 VDC power supply (order separately).

			ORIGINAL				
MODEL SERIES*	**IMPED-ANCE**	**VOLTAGE**	**POWER RATING**	**PLATE STYLE****	**TYPE**	**REQUIRES**	**STEPS**
DWT-8	8 ohm	—	50 Watts	Decora	Stereo	20 cu.in. E.O. Box	22.5dB Total
SWT-8	8 ohm	—	50 Watts	Standard	Stereo		
★ **DWT-15**	—	70.7 Volts	15 Watts	Decora	Stereo	E.O. Box	
★ **SWT-15**	—	70.7 Volts	15 Watts	Standard	Stereo		
★ **SWTM-15**	—	70.7 Volts	15 Watts	Standard	Mono		
			SWITCHED				
DWS-8	8 ohm	—	50 Watts	Decora	Stereo, Switched	20 cu.in. E.O. Box & power supply***	22.5dB Total
SWS-8	8 ohm	—	50 Watts	Standard	Stereo, Switched		
★ **DWS-15**	—	70.7 Volts	15 Watts	Decora	Stereo, Switched	18 cu.in. E.O. Box & power supply***	
★ **DWSM-15**	—	70.7 Volts	15 Watts	Decora	Mono, Switched		
★ **SWS-15**	—	70.7 Volts	15 Watts	Standard	Stereo, Switched		
★ **SWSM-15**	—	70.7 Volts	15 Watts	Standard	Mono, Switched		
			SUMMING				
DSUM-8	8 ohm	—	25 Watts	Decora	L/R Summing	20 cu.in. E.O. Box	22.5dB Total
SSUM-8	8 ohm	—	25 Watts	Standard	L/R Summing		
			SUMMING/SWITCHED				
DSUMS-8	8 ohm	—	25 Watts	Decora	L/R Summing, Switched	20 cu.in. E.O. Box & power supply***	22.5dB Total
SSUMS-8	8 ohm	—	25 Watts	Standard	L/R Summing, Switched		

* Decora-style devices require a cover plate. Order separately.
* Suffix model with color: ivory (-I), white (-W). ** Decora-style plate measures 15⁄16" W x 2 5⁄8" H and requires a cover plate (order separately). Standard single-gang plate measures 2 3⁄4" W x 4 1⁄2" H. ***Order 12 VDC Model PS12-10 or PS-M12 separately (see below).

POWER SUPPLIES FOR SWITCHED WHISPERTOUCH

PS12-10. Compact 12-VDC power supply is a UL-listed, 1-amp supply developed for use with switched WhisperTouch volume controls. Supply includes a 6-foot extension lead and a 6-foot attached power cord and will power up to twelve Switched WhisperTouch volume controls.

PS-M12. Unit is a compact UL-listed 12-volt DC, 300 mA power supply with a 6-foot cord. The required input voltage is 120 volts. Supply includes a ⅛" mini-plug for direct connection to the M-1CB4A connector block (powers up to four F-1 flashers) or for use with up to three Switched WhisperTouch volume controls.

MODEL	POWERS UP TO	INPUT	OUTPUT (Nom.)	WEIGHT
PS12-10	12 Switched WhisperTouch	105 - 130 VAC	12 VDC @ 1 Amp	1.3 lbs. (.6 kg)
PS-M12	3 Switched WhisperTouch	120 VAC	12 VDC @ 300 mA	.50 (.2 kg)

PS12-10/PS-M12

★ 70V models only.

INDUSTRY STANDARD COMMERCIAL ATTENUATORS

DAT/SAT Series. Atlas Sound offers traditional autoformer controls to provide excellent stereo performance and maximum speaker-handling capability. Models include positive off and full-power pass through at the maximum setting. Contacts are make-before-break for smooth transition. Models with 8-ohm impedance are suitable for residential stereo and voice-coil circuit application. Models for 25 or 70.7 volt use provide level control in distributed constant-voltage systems and are UL listed. Single-gang models mount standard E.O. boxes 2½" deep. Choose Decora-Style (DAT) or standard plate (SAT) versions in ivory (-I) or white (-W).

- Choose DAT or SAT Series to control speaker volume when impedance matching is not necessary such as single-pair installations or when multi-channel amplifiers are used for individual zones.
- Combine DAT or SAT Series with a separate impedance-matching switching device (AST Series) to design a system with multiple loudspeaker pairs.

	MODEL SERIES*	POWER RATING	SYSTEM		ATTENUATION		INSERTION LOSS	PLATE SIZE
			IMPED.	VOLTAGE	PER STEP	TOTAL		
★	DAT-8	40W RMS/Ch.	8 Ohm	—	3dB**	30dB	.5dB	1 gang
	DAT-10	10W RMS/Ch.	—	25 or 70.7V	3dB***	27dB	.5dB	1 gang
	SAT-8	40W RMS/Ch.	8 Ohm	—	3dB**	30dB	.5dB	1 gang
★	SAT-10	10W RMS/Ch.	—	25 or 70.7V	3dB***	27dB	.5dB	1 gang
★	SAT-35A	35W RMS/Ch.	—	25 or 70.7V	3dB***	27dB	.5dB	1 gang

*Suffix model with color: ivory (-I) or white (-W). ** Models have two steps of 6dB before off. Note: Attenuation curve is steeper for a 25V line.
***Models have one step of 6dB before off.

DIMENSIONAL SPECIFICATIONS - PLATE MOUNTED ATTENUATORS					
MODEL	A	B	C	D	E
DAT-8	4 1/16" *	2 1/2"	2 9/16"	1 5/16"	1 15/16"
DAT-10	4 1/16" *	2 1/2"	2 9/16"	1 5/16"	1 15/16"
SAT-8	4 1/2"	2 1/2"	2 9/16"	2 3/4"	1 15/16"
SAT-10	4 1/2"	2 1/2"	2 9/16"	2 3/4"	1 15/16"
SAT-35A	4 1/2"	2 1/2"	2 9/16"	2 3/4"	1 5/16"

* Exposed plate height is 2 5⁄8"

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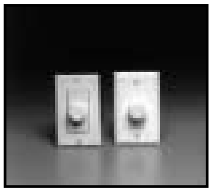
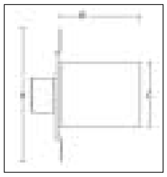
★ UL LISTED

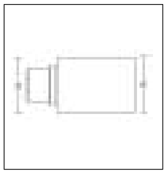


DAT-8-W SAT-8-W*
DAT-10-W SAT-10-W*

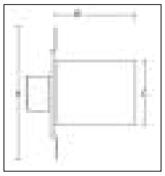
*Shown with cover plate Order separately.



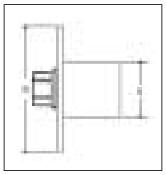
DAT Series Side View



DAT Series Top View



SAT Series Side View



SAT Series Top View

ATLAS SOUND SPEAKER SWITCHING SYSTEMS

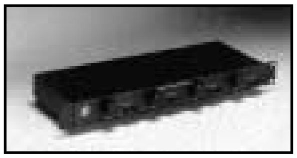
IMPEDANCE-MATCHING SPEAKER SELECTORS

ASL-4/ASL-6. Impedance-matching loudspeaker switching systems provide control of up to four or six loudspeaker pairs positioned in multiple room applications. All volume controls for each loudspeaker pair are located on the front panel for easy access. Attenuation is accomplished in 10 steps. Units accommodate any combination of 8 and/or 16 ohm loudspeakers. Choose ASL Series to control speakers in retrofit or pre-wire installations where speaker wiring goes directly to the main equipment cabinet; not to individual volume controls. ASL models offer individual speaker volume controls with individual A/B source selection and separate on/off controls for each loudspeaker pair. Units feature a mar-resistant black finish. Dimensions are 17" W x 1⅝" H x 5⅞" D and can be shelf or 19" rack-mounted (brackets included). Wire capacity is 14-24 gauge. **Not for use with 70V systems.**

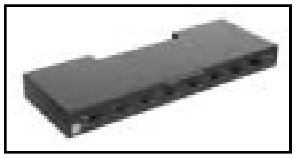
AST-4/AST-6. Impedance-matching loudspeaker switching systems provide control of up to four or six loudspeaker pairs positioned in multiple room applications. Controls for each loudspeaker pair are located on the front panel for easy access. Units accommodate any combination of 8 and/or 16-ohm loudspeakers. Use AST Series to offer additional functionality to systems using traditional (non-WhisperTouch) volume controls such as the DAT or SAT Series. AST devices include separate on/off controls for each loudspeaker pair and one A-B source selector switch for overall system control. Units feature a mar-resistant black finish. Dimensions are 17" W x 1⅝" H x 5⅞" D and can be shelf or 19" rack-mounted (brackets included). Wire capacity is 14-24 gauge. **Not for use with 70V systems.**

MODEL	SPEAKER CAPACITY	SPEAKER SELECTOR	VOLUME CONTROLS	A/B SOURCE CAPACITY	POWER HANDLING RMS/AUDIO*	WEIGHT LBS.
ASL-4	4 Pair	4 on/off	4	4 Individual	70/210 Watts	9 lbs.
ASL-6	6 Pair	6 on/off	6	6 Individual	70/210 Watts	10.5 lbs.
AST-4	4 Pair	4 on/off	—	1 System	40/120 Watts	6 lbs.
AST-6	6 Pair	6 on/off	—	1 System	40/120 Watts	6.5 lbs.

* Per channel, 8 ohm load, single room (measured @ 50 Hz continuous)



ASL-4
(Shown with rack brackets)



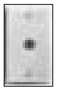
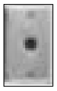
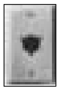
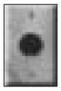
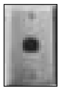
AST-6

WALL PLATES AND ENCLOSURES

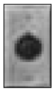
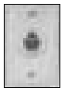
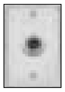
STAINLESS STEEL OR ALUMINUM WALL PLATES

Professional appearance with easy and cost-efficient installation is achieved by using Atlas Sound wall plates. Models include mounting holes on standard box mount center [3 9/32" (83mm)] and plate mounting hardware. Units without devices are available in .031 stainless steel. Wall plates with pre-mounted connectors are standard with stainless steel plate.

WALL PLATES WITHOUT DEVICES

TYPE	 BLANK	 ⅜" (10mm) Dia. Hole	 ½" (13mm) Dia. Hole	 ⅜" (10mm) I.D. Grommet	 Switchcraft C( )M, C( )F	 Switchcraft B( )F	 Switchcraft B( )M
1 GANG	**S101**	**S201**	**S301**	**S401**	**S501**	**S601**	**S701**
2 GANG	**S102**	**S202**	—	—	**S502**	—	—

WALL PLATES WITH PRE-MOUNTED CONNECTORS

TYPE	 Includes one C3F type Connector per gang	 Includes one C3M type Connector per gang	 Includes one B3F type Connector per gang	 Includes one B3M type Connector per gang
1 GANG	**S501-13C***	**S501-14C**	**S601-13C**	**S701-14C**
2 GANG	**S502-13C***	**S502-14C**	—	—

* INDUSTRY STANDARD MIC JACK CONNECTOR MODELS

MICROPHONE FLOOR BOXES

RECEPTACLES WITH & WITHOUT CONNECTORS INSTALLED

MRB Series. Convenient receptacle floor box with easy-open lid requires no tools to access connectors. Lid is mounted on a pin hinge that lifts easily and swings to the side for access and then falls into a closed position when not in use. Four level legs are provided on a 4" octagon box. Models are offered with choice of mounting plate, punched to accept a variety of connector styles, and are available with listed selection of factory-installed connectors. Lid and trim cover are cast commercial red brass with a brushed finish. Optional matching carpet ring provides attractive finished appearance.

MRB Series

MODEL	MOUNTS CONNECTOR	MODEL	INCLUDES CONNECTOR
MRB-1	Switchcraft C3M, C3F, C4M, C4F	**MRB-1-13**	C3F Type
MRB-2	Switchcraft B3F, B4F	**MRB-2-13N**	B3F Type
MRB-PL	Blank receptacle plate		
MRB-TR	Optional carpet trim ring for all models		

HARDWARE ACCESSORIES AND TOUCH-UP PAINT

MODEL	DESCRIPTION
HXL-3-13	Wall/Panel Receptacle, Female 3 Conductor; C3F or Equal
HXL-3-13N	Wall/Panel Receptacle, Female 3 Conductor; Locknut Mounting; B3F or Equal
HXLP-3-11	Cable Connector, Female 3 Conductor; A3F or Equal
HXLP-3-12	Cable Connector, Male 3 Conductor; A3M or Equal
HX11-P	SPDT Momentary Push Button Switch, ¼ Amp Contacts. Black Button. Hardware.
HX12-R	2 Pole, 6 Position Rotary Switch Continuous Rotation; 60˚ Indexing; ⅜" Bushing Length; ⅜" Shaft Length; Includes Hardware
HX21-B	Skirted Knob; Black; 1¼" Diameter Fits ¼" Shaft; One Set Screw
HX22-W	Skirted Knob; White; 1⅛" Diameter Fits ¼" Shaft; One Set Screw
HX23	2" x 2" Polycarbonate Dial Scale. ⅜" Center Hole. Black Finish.
HX24-1	Single Gang S/S Plate; Dial Scale Stamped and Paint Filled ⅜" Center Mount Hole, Mounts to Standard E.O. Box; With Hardware
HX25-2	Double Gang S/S Plate; Dial Scale Stamped and Paint Filled ⅜" Center Mount Hole, Mounts Standard E.O. Box; With Hardware
HX26-2	Double Gang S/S Plate with Dial Scale for Attenuator and 6 Position Rotary Switch
HX31-345	3" Speaker with 45 Ohm Voice Coil. Magnet Weight 1.47 oz
HX41-50	50 Ohm Wirewound Potentiometer, 3 Watt. Continuous Rotation. ⅜" Bushing Length; ⅜" Long Flatted Shaft. Includes Mounting Hardware
HX42-5K	5K Ohm Wirewound Potentiometer. 3 Watt. Continuous Rotation. ⅜" Bushing Length; ⅜" Long Flatted Shaft. Includes Mounting Hardware
HX53-832	8-32 x 1" Holt Head Tamperpoof Machine Screw, Cadmium Plated
HX52W	3/16" – 3" Toggle Bolt Set Truss Head; Cadmium Plated. Heads are Painted White
HX71	Speaker Dust Cover; Mounts on Back of Standard 8" Speaker; Is made of Polyvinyl and has Attached Chipboard Mounting ring
HX76	Felt Tabs (100 pieces)

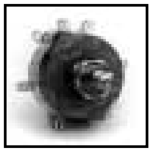
AT Plate-052. The new Atlas Sound AT Plate is perfect for rack mount applications where attenuators are required. The Atlas Sound AT Plate, a 2RU H #14 gauge plate pre-punched to accommodate up to (6) Atlas Sound rack mount attenuators. Attractive black filler plugs are provided for applications where the AT Plate will not be fully “loaded”. The plate is finished in flat black epoxy to better blend in with other rack mount equipment.

Three new Atlas Sound -RM Attenuators shown mounted on the new Atlas Sound AT Plate

HX41/42

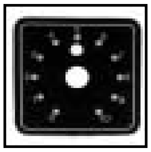
HXLP Series

HX11-P

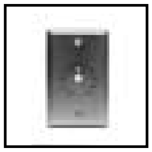


HX12-R

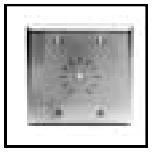
HX21-B



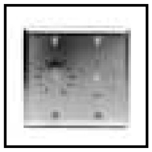
HXLP Series



HX24-1

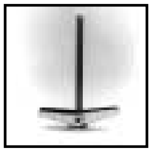


HX25-2

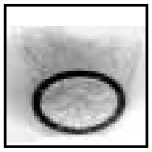


HX26-2

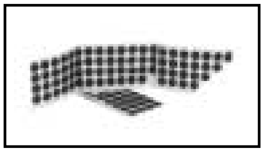
HX31-345



HX52W

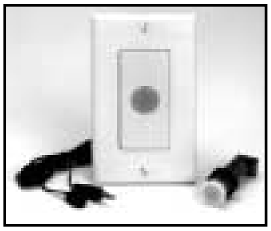


HX71



HX76

MICRO INFRARED REPEATERS & FLASHERS



F-1 M-1AJW M-1A*

**(Shown with cover plate, Sold separately.)*

M-1A Series. Atlas Sound IR repeaters allow the operation of virtually any IR-controlled A/V component from multiple room locations. The M-1A Series repeater will receive the IR signal and rebroadcast it to the small F-1 flasher LED positioned on the front of each A/V component. The F-1 forwards the signal to the source component's IR receiver.

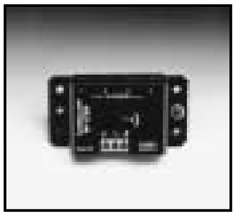
These micro repeaters feature an attractive, flush, white lens that blends with any white surface. Their high sensitivity enables use within a 40 foot range with fast reaction time and minimal interference. Repeaters are available installed on a white decorator-style subplate (cover plate not included) or separately for flush-mounting in a ceiling, wall, cabinet or speaker grille.

F-1 Series. Small F-1 flasher LEDs are shipped with an adhesive backing and ⅛" phone plugs for connection to all IR-controlled A/V components. Up to six flasher units may be connected to a single M-1A repeater using two M-1CB4B connector blocks or any standard adapter (by others). (Note: some high-end A/V components are equipped to accept hard-wired IR signals. In this case, F-1 flashers would not be necessary.)

MODEL	DESCRIPTION	CURRENT DRAW	STYLE	COLOR
M-1A	IR Repeater	12 mA	Flush Mount	White Lens
M-1AJW	IR Repeater	12 mA	Wall Mount, Supplied on Decorator Subplate*	White Lens, White Subplate
F-1	Rasher	.05 mA	Surface Mount	Black Lens, Black Cord

* Order Sound decorator-style cover plate separately.
** Order Model M-1A separately.

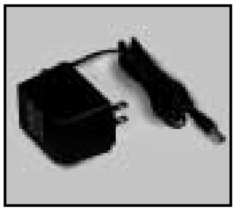
STAND-ALONE IR REPEATER SYSTEM



M-1CB4B

M-1CB4B. For installation flexibility, the M-1CB4B amplified connector block is offered as a plug-in interface device that provides connections for an M-1A Series repeater, four F-1 flashers, and power supply Model PS-M12. This configuration allows IR operation of up to four A/V components from up to four room locations. The M-1CB4B offers ⅛" mini jacks for power supply Model PS-M12 and up to four F-1 flashers; it also provides terminals for wiring up to four M-1A repeaters (rooms) in parallel fashion and a data jack for connecting a mini-pin IR source or another M-1CB4B. The units amplified circuit design supplies clear, strong IR data to source components.

This stand-alone IR repeater system requires: one M-1A repeater in each remote room location, one M-1CB4B for every four A/V components, a PS-M12 power supply, and one F-1 flasher for each A/V component. For installations which require control of more than four components or transmission from more than four rooms, multiple M-1CB4B blocks may be used. (Note: each M-1A repeater can control a maximum of six F-1 flashers.)



PS-M12

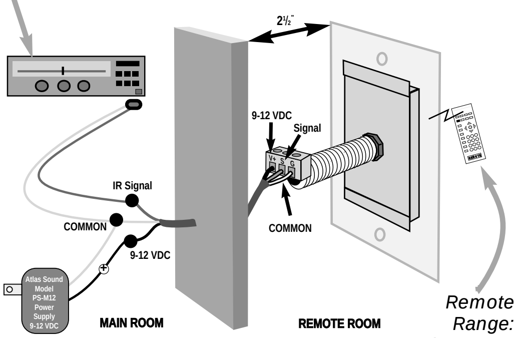
PS-M12. Unit is a compact UL-listed 12-volt DC, 200 mA power supply with a 6-foot cord. The required input voltage is 120 volts. Supply includes a ⅛" mini-plug for direct connection to the M-1CB4B connector block (powers up to four F-1 flashers) or for use with up to three switched WhisperTouch® volume controls.

Single Repeater/Emitter System

MODEL F-1 FLASHER /EMITTER NOTE:

Atlas Sound® F-1 Infrared Flashers can be parallel wired. Up to six can be connected to control six sources.

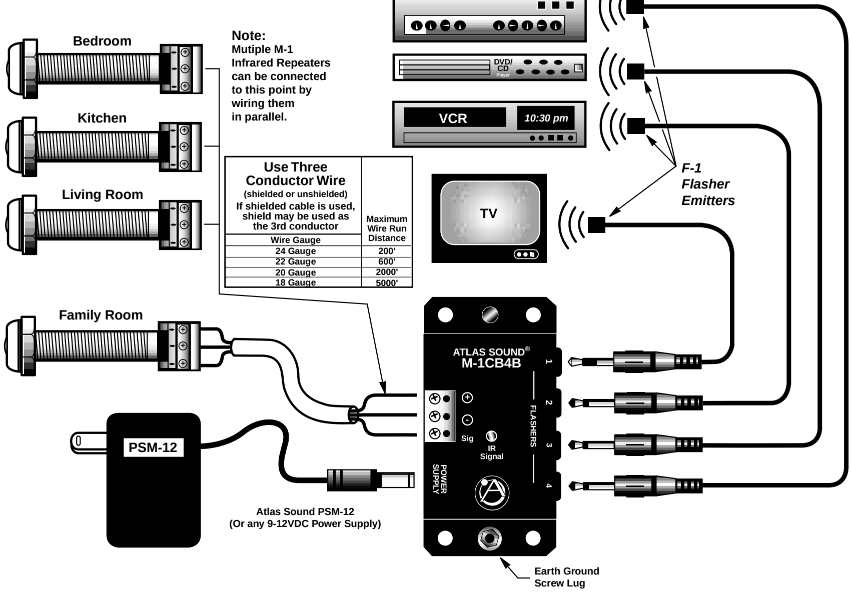
**Repeater is 2½" x2⅜" deep measured from front of lens to back of unit. We recommend at least of clearance to allow wire management.*



Remote Range: Maximum 40' at 30°off axis.

Multiple Repeater / Emitter System

block for the M-1 Infrared Repeater System. It allows connection of multiple repeaters to 4 emitters (flashers) with no loss in signal strength.



Note:
Mutiple M-1 Infrared Repeaters can be connected to this point by wiring them in parallel.

Use Three Conductor Wire (shielded or unshielded) If shielded cable is used, shield may be used as the 3rd conductor Wire Gauge	Maximum Wire Run Distance
24 Gauge	200'
22 Gauge	600'
20 Gauge	2000'
18 Gauge	5000'

Atlas Sound PSM-12
(Or any 9-12VDC Power Supply)

REGULATED DC POWER SUPPLY WITH 1/2 AMP OUTPUT

RPS24-05. Compact 24 VDC model is offered for use where small, economical power supplies are required. RPS24-05 is recommended for telecommunication installations including small telephone systems and intercom/annunciator applications in industrial, institutional, service and educational facilities. Unit is fuse-protected in the primary, includes barrier strip terminals and has a 6 foot AC power cord. Finished in black epoxy.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
RPS24-05	117 VAC 60 Hz, 26 W	24 VDC ½ Amp	0.5 mV	500 mV	6¾" x 3⅝" x 2" (171 x 92 x 51 mm)	3 lbs. (1.4 kg)

RPS24-05

REGULATED DC POWER SUPPLIES WITH 2 & 4 AMP OUTPUT

PS24-2R/PS24-4R. Assemblies with varying amp service are provided for applications that require excellent regulation and extremely low ripple including transistorized and solid-state control equipment and alarm/warning systems. Models are fuse-protected in the primary, include barrier strip terminals, have a 6 foot power cord, and will operate in an ambient temperature range of 0-50°C. Finished in black epoxy; larger models include a ventilated cover finished in textured black epoxy.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-2R	105-125 VAC 60 Hz, 110 W	24 VDC 2 Amps	0.5 mV	500 mV	13¼" x 6¼" x 4¾" (337 x 159 x 121 mm)	15.5 lbs. (7 kg)
PS24-4R	105-125 VAC 60 Hz, 210 W	24 VDC 4 Amps	1 mV	300 mV		16.5 lbs. (7.5 kg)

PS24-2R
(Front View)
PS24-2R PS24-50A PS24-4R

HEAVY-DUTY DC POWER SUPPLY WITH 5 AMP OUTPUT

PS24-50A. Model offers 24 VDC for applications that require a high-current DC supply including many types of telephone, annunciator and industrial paging systems, and installations with large numbers of relays. Unit is fused at the input and includes barrier-type terminals, keyhole mounting slots, ventilated cover and 6 foot AC line cord. Finished in black epoxy.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-50A	117 VAC 60 Hz, 170 W	24 VDC 5 Amps	Less Than 2.5%	29-23 V	13¼" x 6¼" x 4¾" (337 x 159 x 121 mm)	15 lbs. (6.80 kg)

PS24-2R
(Rear View)
PS24-2R PS24-50A PS24-4R

GENERAL PURPOSE DC POWER SUPPLIES (2 AMP OUTPUT)

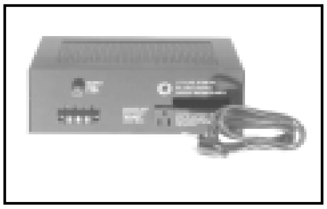
PS24-20. Compact, multi-voltage unit is designed for a variety of general applications. Conversion is accomplished through a plug-in lead. Assembly is complete with fused-transformer primary, 6 foot power cord, and black epoxy finish.

★ **TS242.** UL Listed unit is used for a variety of applications that do not require a regulated supply. Model includes a 117 VAC unswitched outlet, neon pilot lamp, barrier-type terminals, and 6 foot power cord.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-20	117 VAC 60 Hz, 70 W	24, 12, 6 VDC 2 Amps	Less Than 2.5%	27-22 V	6¾" x 3⅝" x 4" (171 x 92 x 102 mm)	4.5 lbs. (2.0 kg)
TS242	105-125 VAC 60 Hz, 74 W	24 VDC 2 Amp	Less Than 0.5%	28-22.4 V	3⅞" x 10⅞" x 6" (98 x 276 x 152 mm)	10 lbs. (4.5 kg)

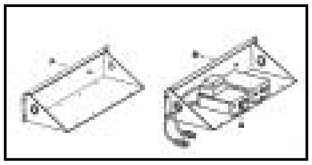
★ c UL us LISTED

PS24-20

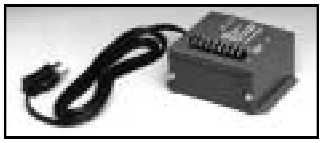


TS242

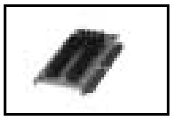
PS24-075



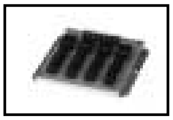
PS-RK



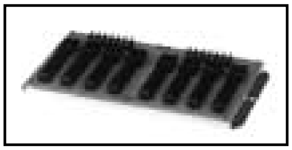
PSRM-1



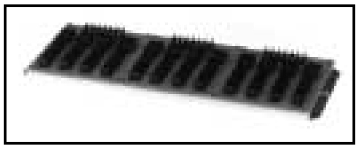
RPM-2 with Relays Installed



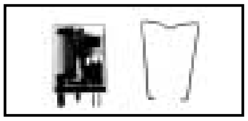
RPM-4 with Relays Installed



RPM-8 with Relays Installed



RPM-12 with Relays Installed



RLM-24 and RLM-24-5

POWER PACK

PS24-075. Compact supply is designed to power the RPM/RLM Series DC relays and may also be used in a variety of annunciator applications. Includes positive, negative, and ground terminals with the negative terminal isolated from the ground. Complete with 6 foot power cord and black epoxy finish.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
PS24-075	117 VAC 60 Hz, 26 W	24 VDC ¾ Amp	Less Than 1.5%	26-22 V	6¾" x 3⅝" x 2" (171 x 92 x 51mm)	3.5 lbs. (1.6 kg)

TELEPHONE POWER SUPPLY

TPS24-05. Unit is a combination 24 VDC/TALK voltage power supply engineered to power most common-talk telephone intercom systems (see Section 8). Finished in black epoxy and complete with 6' power cord. For information on common-talk intercom applications, request SL8-1433.

MODEL	INPUT	OUTPUT (Nom.)	RIPPLE @ FULL LOAD	REGULATION 0 - FULL LOAD	SIZE L x W x H	WEIGHT
TPS24-05	117 VAC 60 Hz, 26 W	24 VDC ½ Amp Talk Line	0.5 mV	500 mV	6¾" x 3⅝" x 2" (171 x 92 x 51mm)	3.0 lbs. (1.4 kg)

RACK-MOUNT POWER SUPPLY SHELF

PS-RK. Accessory shelf provides convenient installation of Atlas-Sound power supplies in 19" cabinets. Shelf supports up to four 6¾" L supplies or one 13¼" L unit. CRS assembly is finished in black textured epoxy and includes knockouts for line cords, front viewing hole for power indicator, and viewing hole plug. Size: 19" W x 8" D x 5¼" H (483mm x 203mm x 133 mm).

POWERED RELAY MODULE

PSRM-1. DPDT relay with built-in power supply and protective chassis provides versatile service as a music muting device, paging adapter, powered remote control switch or as a source to control additional relays. Terminal strip includes six positions for relay wiring and two for the addition of an external switch to actuate the relay. Compact assembly may be mounted in any position utilizing the "instant mount" pressure-sensitive foam tape adhesive (provided), or may be screw mounted. CRS construction. Finished in black epoxy. Includes 6-ft. power cord.

MODEL	INPUT POWER	RELAY TYPE	RELAY CONTACTS	CONTACT RATING	RELAY POWER REQ.	SIZE
PSRM-1	117 VAC, 60 Hz, 4 Watts	24 VDC DPDT	Silver Alloy Gold Flashed	3 Amps	24 VDC 35 mA	4" x 4⅜" x 2¼" (102 x 111x 57mm)

DC RELAY PACKS

RPM/RLM Series. Modular chassis with individual plug-in relays provides configuration and expansion flexibility for application wherever a 24 VDC, DPDT relay is required including zone paging, intercom and telephone systems. Chassis is available in four sizes with 2, 4, 8 and 12 relay sockets. Plug-in DPDT relays prevent long-term oxidation problems and are offered in 3 and 5 amp versions (order separately). To eliminate bussing, one size of each relay coil is connected to a common terminal. Chassis is painted with black epoxy and includes a printed circuit board with barrier type terminals.

RELAY PACK CHASSIS MODULES (Without Relays)

MODEL	RELAY SOCKET QUANTITY	SIZE
RPM-2	2	4¾" L x 3⅛" W x 15/16" H
RPM-4	4	5½" L x 4¾" W x 15/16" H
RPM-8	8	10¼" L x 4¾" W x 15/16" H
RPM-12	12	15" L x 4¾" W x 15/16" H

PLUG IN RELAYS (Ordered Separately)

MODEL	TYPE	CONTACT MATERIAL	CONTACT RATING	POWER
RLM-24	DPDT	Fine, Silver, Gold Plated	1 mA to 3 Amp	24 VDC @ 35 mA
RLM-24-5	DPDT	Silver Cadmium Oxide	500 mA to 5 Amp	

TONE SIGNAL GENERATOR

GPS750. Solid-state unit with built-in power supply provides reliable attention gathering sound for audible signaling in commercial and industrial communication system applications such as time clocks. Model GPS750 produces a steady pulse or siren tone making it ideal for use in schools. The siren takes precedence over the pulse and the pulse over the steady. The square wave output is available on the terminal marked "out". Controls include: output level, tone frequency, pulse duration and sweep frequency. Actuated by an external SPST switch. Finished in black epoxy.

MODEL	INPUT POWER	OUTPUT LEVEL	FREQUENCY	SIZE
GPS750	117 VAC, 60 Hz	1 volt @ 10K	600-1000 Hz	6¾" x 5½" x 2¼" (171 x 140 x 57mm)

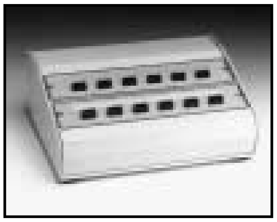
GPS750

MODULAR PAGING COMMUNICATIONS CENTER

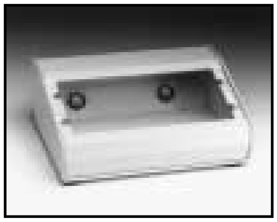
MPC Series. Attractively styled input/output switching accessory is a basic modular system suitable for a variety of zone paging* and communications applications. As an output device, the control center is used to activate specific loudspeakers for selective zone paging in restaurants, reception areas, professional offices, health clubs, production and customer service departments. As an input device, MPC Series will switch selected components (microphone, tape deck, etc.) into a sound or communications system. Models may be ordered as factory-assembled consoles with 6 or 12 DPDT-style switches or individual chassis and switch modules. Chassis are constructed of heavy-gauge CRS with neutral "computer" gray finished housing and side panels. Size is 9¾"W x 8⅛"H x 4¼"D. Switch modules are mounted to a 22-gauge CRS plate finished in neutral gray epoxy and covered with a polycarbonate overlay with pockets for switch identification.

MODEL	DESCRIPTION	CONTACTS		TERMI-NATIONS
		MATERIAL	RATING	
MPC-106B	Console Assembly with 6 DPDT Switches	Silver Plated	½ Amp	Captive Terminal Assembly
MPC-112B	Console Assembly with 12 DPDT Switches			
MPC-102A	Console Assembly Chassis Only			
MPC-6SWA	6 Switch Module/DPDT			
MP-1B	Blank Panel, Covers 1 Port			

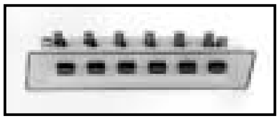
* The standard MPC units must be modified for zone paging by installing jumper wires. Refer to SL5-1506.



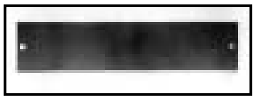
MPC-112B



MPC-102A



MPC-6SWA

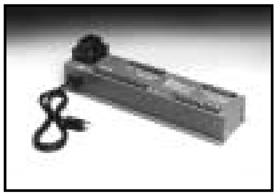


MP-1B

ZONE PAGE POWERED RELAY PACKS

PSR Series. DPDT relay with internal 24 VDC power supply is available with 6 or 12 factory-wired relays for application with MPC Series communications control center. To facilitate the addition of external relays or lights, the power supply output is also connected at the terminal strip. Relays may be easily converted to an all page function by connecting the off bus to the selected relay switch output. Models include silkscreened terminal diagram and 6-ft. power cord. Black epoxy finish. Separate amplifiers needed for both paging and background music.

MODEL	INPUT POWER	POWER SUPPLY OUTPUT	RELAY QTY/TYPE	RELAY POWER REQ.	CONTACT RATING	SIZE
PSR-212	117 VAC, 60 Hz, 24 Watts	24 VDC, @ 1 Amp	12 Qty 24 VDC, DPDT	24 VDC, 35 mA	3 Amps	17⅛" x 4⅜" x 2¼" (435 x 111 x 57mm)
PSR-206	117 VAC, 60 Hz, 12 Watts	24 VDC, @ 500 mA	6 Qty 24 VDC DPDT	24 VDC, 35 mA	3 Amps	13¼" x 4⅜" x 2¼" (337 x 111 x 57mm)

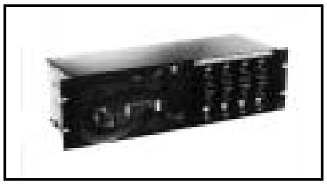


PSR-212

Please see Additional Electronic Accessories in Section 10 starting on Page 100.

ETC SYSTEM—A FIREMEN'S TELEPHONE SYSTEM*

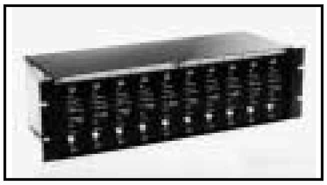
General Description. The Atlas-Sound ETC System provides emergency personnel and building authorities with dedicated two-way communications and signaling using a master control panel and remote telephone stations located throughout a building. System is an essential adjunct requirement for the optimum protection of life and property when operational limitations such as shielding within a building or lack of communications channels preclude the use of standard radio or sound communications facilities. Modular component system features expansion flexibility, audible-visual alarm, remote alarm provision, call in assurance, zone-to-zone communications, paging and line supervision. A complete selection of remote telephone stations with controlled access housings and telephone jack assemblies are listed under "Emergency Telephone Assemblies and Components." All items are ordered separately for configuration convenience. System is listed under UL Standard 864.



MT-400
with four CM-1 Modules

MASTER CONTROL PANEL FOR ETC SYSTEM

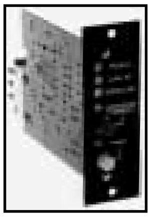
MT-400. Master control panel provides communication between an unlimited number of remote telephone stations in one or any combination of building or fire zones. Panel has provisions for installation of up to four CM-1 zone modules. Complete with handset, audible/visual tone alert, remote alarm button and LED power and remote alarm indicator lamps. A constant-level paging output is provided for integration into an existing paging system. Paging is actuated with push-to-talk button on handset. Rugged steel housing mounts in optional UL Listed enclosure model FTE-14 or UL Listed 19" E.I.A. standard enclosures. Unit requires 5¼" (3RU) vertical panel space. Finished in black epoxy. (Note: A limit of 6 handsets may be off-hook at one time. Paging amp and loudspeakers not included). Must be mounted in UL Listed Enclosure to maintain UL Rating. For wiring information, request installation manual #246181.



EP-10
with 10 CM-1 Modules

ZONE EXPANDER PANEL FOR ETC SYSTEM

EP-10. Expansion panel is designed to increase basic system capacity beyond four zones of communication. EP-10 panels may be added in an unlimited quantity to meet zone requirements of large building complexes. Each unit has provisions for up to ten CM-1 zone modules. Rugged steel housing will mount in enclosure FTE-14 or 19" E.I.A. standard enclosures. Unit requires 5¼" (3RU) vertical panel space. Finish is black epoxy.



CM-1

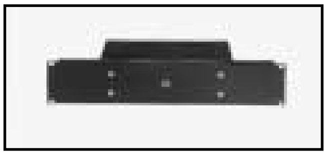
BCF-1

ZONE MODULE FOR ETC SYSTEM

CM-1. Zone card module installs into MT-400 and EP-10 zone card positions to provide the necessary circuitry for power distribution, communication functions, paging (from zone location) and line supervision. P.C. board is attached to a steel panel equipped with LED lamps to provide visual status of: "Power", "Call-In", "Open Line", "Operator Connect'' and "Page'' functions. Pushbutton switches enable; "Operator Connect'' and "Page'' functions. Finish is black epoxy.

ZONE COVER FOR ETC SYSTEM

BCF-1. Blank cover installs over unused zone card locations in the MT-400 and the EP-10 to provide aesthetic continuity and protection from dust and indoor environmental hazards. Steel plate is finished in black epoxy.

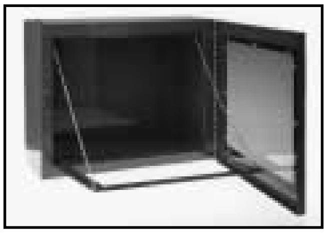


FTS24-RM

POWER SUPPLY FOR ETC SYSTEM

FTS24-RM. Designed to power the ETC System, this 24 VDC power supply includes a protective steel housing. FTS24-RM installs into enclosure FTE-14 or 19" E.I.A. standard cabinets and requires 31/29 (2RU) vertical panel space. Finished in black epoxy.

FTS24-RM SPECIFICATIONS	
POWER INDICATION	Neon Pilot Lamp
POWER INPUT	117 VAC, 60 Hz
CONVENIENCE OUTLET	117 VAC, Not Switched
POWER OUTPUT	24 VDC @ 2 Amps
OUTPUT WATTS	48
INPUT WATTS	64
INPUT TERMINATION	6 ft. Power Cord, 2 Conductor Plus Ground
OUTPUT TERMINALS	Screw Type Barrier
OUTPUT RIPPLE	8mV @ Rated Load
OUTPUT PROTECTION	2 Amp Fuse
INPUT PROTECTION	Circuit Breaker
DIMENSIONS	3 15/32" H (2RU) x 19" W x 5 1/2" D



FTE-14

ENCLOSURE FOR ETC SYSTEM

FTE-14. Optional accessory enclosure for surface or wall installation of the ETC system provides 14⅛" (8RU) vertical panel space to house (1) MT-400, (1) EP-10 and (1) FTS24-RM or variations thereof. 16-ga. CRS cabinet includes 11-ga. CRS mounting rails which swing out to provide convenient service access to rear of equipment. Front door is complete with smoked acrylic plex front, sturdy piano hinge and lock. Finished in textured red epoxy. For installations that require additional panel space a complete selection of UL Listed cabinets with vertical panel space up to 77" are featured in Section 10 of this catalog.

MODEL	TYPE	VERTICAL PANEL SPACE	DIMENSIONS
FTE-14	Surface or wall cabinet	14 1/8" (8RU)	20 3/16" H x 24 1/4" W x 9" D

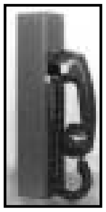
★ UL LISTED Models are listed under UL Standard 864.

EMERGENCY TELEPHONE COMMUNICATIONS SYSTEM

HANDSET/HOOKSWITCH ASSEMBLIES FOR ETC SYSTEM ★

L22 Series. Assemblies are designed for proprietary use with the ETC System. Models consist of handset, chrome hanger hookswitch, steel mounting raceway, sidetone network and 7-point barrier strip termination. Selection includes models with coiled cord or armored cable for installation in appropriate surface or recessed enclosures. Finished in textured red epoxy.

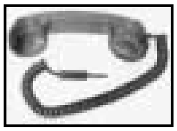
MODEL	CORD TYPE	MOUNTS ENCLOSURE	ENCLOSURE TYPE
L22-300-FT	Coil Cord	L20-300-BX	Recessed
L22-310-FT	Coil Cord	L20-310-BX	Surface
L22-313-FT	Armored Cable	L20-310-BX	Surface


L22-310-FT

TELEPHONE HANDSET FOR ETC SYSTEM ★

L22-320-FT. Handset is designed for exclusive application with the ETC System. Unit is complete with coiled cord and three-circuit plug for use with L22 Series receptacles only. Handset is red.

MODEL	CORD TYPE	MOUNTS RECEPTACLE MODELS
L22-320-FT	Coil Cord	L22-330-FT, L22-340-FT

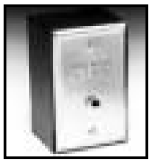

L22-320-FT

TELEPHONE RECEPTACLES FOR ETC SYSTEM ★

L22-330-FT/L22-340-FT. Single-gang receptacles are available with exposed jack for recessed and surface installation of handset model L22-320-FT. Manufactured from 22-ga., non-magnetic stainless steel with #4 brushed finish. Nomenclature is stamped in Red “Fireman’s Telephone.”

MODEL	TYPE	DESCRIPTION	DIMENSIONS
L22-330-FT	Recessed	Exposed Jack	2$\frac{3}{4}$" x 4$\frac{9}{16}$" (70 x 116 mm)
L22-340-FT	Surface	Exposed Jack	2$\frac{3}{4}$" x 4$\frac{9}{16}$" x 2$\frac{1}{2}$" (70 x 116 x 64 mm)

L22-330-FT

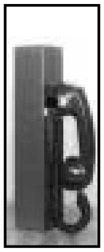

L22-340-FT

EMERGENCY TELEPHONE ASSEMBLIES & COMPONENTS

HANDSET/HOOKSWITCH ASSEMBLIES FOR GENERAL USE ★

L20 Series. Assemblies are mounted and wired for use with most telephone communication systems. Models include handset, chrome hanger hookswitch, steel mounting raceway and 7-point barrier strip termination. Available with coiled cord or armored cable for installation in surface or recessed mounting enclosures. Assembly is finished in textured red epoxy.

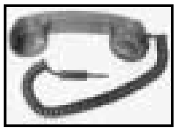
MODEL	CORD TYPE	MOUNTS ENCLOSURE	ENCLOSURE TYPE
L20-300-TE	Coil Cord	L20-300-BX	Recessed
L20-303-TE	Armored Cable	L20-300-BX	Recessed
L20-310-TE	Coil Cord	L20-310-BX	Surface
L20-313-TE	Armored Cable	L20-310-BX	Surface


L22-310-FT

TELEPHONE HANDSET FOR GENERAL USE ★

L20-320. Handset for application with L20 Series receptacles and standard phone plug outlets is complete with coiled cord and three-circuit plug. Handset is red.

MODEL	CORD TYPE	MOUNTS RECEPTACLE MODELS
L20-320	Coil Cord	L20-330-FT, L20-340-FT

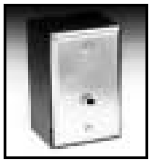

L20-320

TELEPHONE RECEPTACLES FOR GENERAL USE ★

L20-320. Single-gang receptacles for handset model L20-320 will accept most handset with standard three-circuit plug. Manufactured from 22-ga., non-magnetic stainless steel with #4 brushed finish.

MODEL	TYPE	DESCRIPTION	DIMENSIONS
L20-330	Recessed	Exposed Jack	2$\frac{3}{4}$" x 4$\frac{9}{16}$" (70 x 116 mm)
L20-340	Surface	Exposed Jack	2$\frac{3}{4}$" x 4$\frac{9}{16}$" x 2$\frac{1}{2}$" (70 x 116 x 64 mm)

L20-330


L20-340

★ UL LISTED L20 and L22 Series Models are listed under UL Standard 864.

EMERGENCY TELEPHONE ASSEMBLIES

L20-310-BX

L20-300-BX
with L20-300-FD

ENCLOSURES FOR ETC SYSTEM AND GENERAL USE*

L20-300-BX/L20-310-BX. Surface and recessed mounting enclosures provide protection for telephone handset hookswitch assemblies. Manufactured of heavy-ga. CRS. Finished in textured red epoxy.

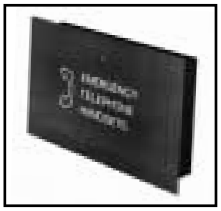
MODEL	ENCLOSURE TYPE	DIMENSIONS	FRAME SIZE
L20-300-BX	Recessed	$13\frac{17}{32}$" x 8" x $3\frac{5}{8}$" (344 x 203 x 92 mm)	15" x $9\frac{5}{8}$" (381 x 244 mm)
L20-310-BX	Surface	$15\frac{13}{16}$" x $9\frac{13}{16}$" x $3\frac{13}{16}$" (386 x 249 x 97 mm)	

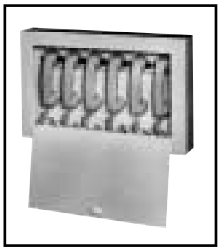
ACCESSORY DOORS FOR SURFACE & RECESSED ENCLOSURES

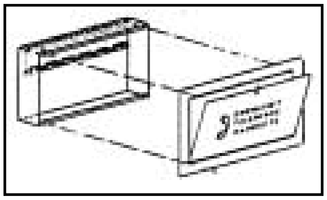
L20 Series. Breakglass and solid CRS front doors include models with keylock or friction latch. Finished in textured red epoxy with white silkscreened nomenclature "EMERGENCY TELEPHONE." Listed under UL Standard 864.

MODEL	DESCRIPTION	MOUNTS ENCLOSURE	DOOR SIZE
L20-300-FD	Breakglass with lock	L20-300-BX, L20-310-BX	15" x $9\frac{5}{8}$" (381 x 244 mm)
L20-301-FD	Two-piece solid CRS with lock.		
L20-302-FD	One-piece solid CRS with thumb-turn latch.		
L20-300-BKG	Replacement breakglass for L20-300-FD		
K-7	Replacement Key		

EMERGENCY TELEPHONE CABINETS


TCR-6


TCS-6
with (6) L20-320 handsets



STORAGE CABINETS FOR MULTIPLE TELEPHONE HANDSETS

TCR/TCS. Recessed and surface mounting cabinets, respectively, provide convenient storage of up to six telephone handsets. Enclosure is 20-gauge CRS and includes six handset hangers (handsets are ordered separately). 16-gauge CRS front door with keylock assembly is spotwelded to the door frame for strength and security. Assembly is finished in textured red epoxy with white silkscreened nomenclature "Emergency Telephone Handsets."

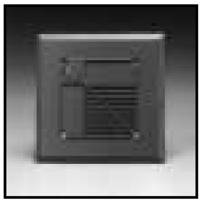
MODEL	MOUNTING TYPE	A	B	C	D	E
TCR-6	Recessed	4"	$21\frac{1}{4}$"	$13\frac{1}{2}$"	24"	$15\frac{3}{8}$"
TCS-6	Surface	4"	$24\frac{1}{8}$"	$15\frac{1}{2}$"	24"	$15\frac{3}{8}$"
K-7	Replacement Key					

★ UL LISTED 20 and L22 Series Models are listed under UL Standard 864.

15, 2 & 1 WATT COMPRESSION DRIVER LOUDSPEAKERS

VT/VTF Series. Patented units are the proven performance standard around the world for effective sound and electronic signal transmission of emergency voice communications and tone signaling. Cost-effective series function as protective warning devices in intercom systems and as communication system loudspeakers in multi-occupancy and expanded space areas including high-rise residences, public buildings, health-care and educational facilities, banks, shopping areas, distribution centers and transportation terminals. High-efficiency compression driver provides optimum acoustic conversion efficiency. Die-cast watersealed construction withstands vandalism, vermin, moisture, corrosion and vibration. Selection includes 8 ohm, 70.7 and 25-volt transformer models and units with DC blocking capacitor (C) where noted. Models VT/VTF-152/157UC have a 5 mfd. capacitor; Models VT/VTF-22/27UC contain a 1-mfd. version. VT Series are surface mounting units measuring 4¼" SQ x 3¼" D. VTF Series are recessed mounting versions measuring 6" SQ x 3¼" D. Both series install to a 2⅛" deep x 4" E.O. Box (not included); VTF Series also requires Model AR adapter ring. Suffix model with choice of finish Red(R) or Neutral Gray(N). When used with compatible control equipment, VT/VTF Series comply with UL Standard 1480—Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19). Models with special modifications to meet New York City MEA (Calendar no. 57-74-SA) and UL Canada are also available as standard product. Contact factory for proper model designation and price.

VT Series



VTF Series

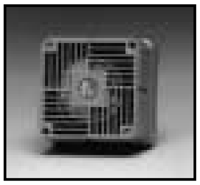
VT / VTF LOUDSPEAKER SPECIFICATIONS

	MODEL	TRANS-FORMER	POWER TAPS (WATTS)	FREQUENCY RESPONSE	DISPERSION	SENSITIVITY
★	**VT(F)-158U**	*	15 (8 Ohm)	600 Hz - 5500 Hz (±5dB)	>190° (-6dB point, 1 and 2 kHz octave bands)	96.9dB (1 watt, 1 meter) UL: 90dB** (1 watt, 10 feet)
★	**VT(F)-157UC**	70.7 V	15, 8, 4, 2			
★	**VT(F)-152UC**	25 V	15, 8, 4, 2			
★	**VT(F)-27UC**	70.7 V	2, 1			
★	**VT(F)-22UC**	25 V	2, 1			

* Without transformer, 8-ohm impedance. ** 3dB increment rating.

7.5 & 2 WATT RE-ENTRANT CONE LOUDSPEAKERS

SVT Series. Surface mount units feature a cone loudspeaker with integral re-entrant protective dome built into the housing for environment resistance, optimum power output and high intelligibility. Space-efficient series is recommended for use in demanding localized area emergency communications, electro-acoustic signaling, commercial sound and intercom applications. Models with 2 watt power handling are designed for low ambient areas including executive offices, condominiums, apartments, dormitory rooms, motel/hotel rooms, hospital suites and elevator cabs. Models with 7.5 watt power handling are intended for medium sound output coverage in general offices, hallways, stairwells, restaurants, service areas, nursing homes, townhouses, banks and leisure centers. Selection includes 8 ohm, 70.7 and 25 volt transformer models and models with DC blocking capacitor (C) where noted. Models SVT-22/72/77UC have a 3 mfd. capacitor; Model SVT-27UC contains a 1-mfd. version. SVT Series are surface mounting 4¼" Sq. x 3⅛" D units for installation in standard 4" square E.O. Boxes (not included). Weathersealed housing is Noryl® plastic. Suffix model number choice of color Red(R) or Neutral Gray(S). When used with compatible control equipment, SVT Series comply with UL Standard 1480—Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19). Models with special modifications to meet New York City MEA (Calendar No. 57-74-SA) and UL Canada are also available as standard product. Contact factory for proper model designation and price.



SVT Series

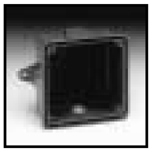
SVT LOUDSPEAKER SPECIFICATIONS

	MODEL	TRANS-FORMER	POWER TAPS (WATTS)	FREQUENCY RESPONSE	DISPERSION	SENSITIVITY
★	**SVT-78U**	*	7.5	500 Hz - 5000 Hz (±5dB)	>140° (-6dB point, 1 and 2 kHz octave bands)	96dB (1 watt, 1 meter) UL: 87dB** (1 watt, 10 feet)
★	**SVT-77UC**	70.7 V	7.5, 4, 2, 1			
★	**SVT-72UC**	25 V	7.5, 4, 2, 1			
★	**SVT-27UC**	70.7 V	2, 1, ½, ¼			
★	**SVT-22UC**	25 V	2, 1, ½			

* Without transformer, 8-ohm impedance. ** 3dB increment rating.

★ UL LISTED Noryl® is a Registered Trademark of General Electric Company

INSTALLATION ACCESSORIES FOR VOICE/TONE™ LOUDSPEAKERS ON THE NEXT PAGE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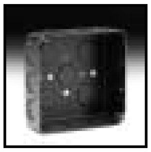
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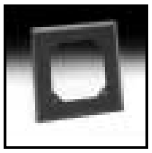
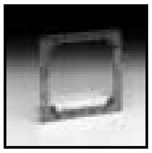

SFP

TVTA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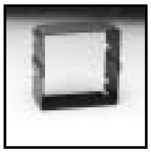
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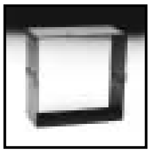

M-R

SE. Surface-mounting outdoor backbox provides weatherproof installation of VT/SVT Series loudspeakers. 4¼" SQ x 2" D housing is die-cast zinc with epoxy finish. Unit is tapped for ½" conduit and includes weatherproof gasket. Suffix model with choice of color. Red(R) or Neutral Gray(N).

SI. Surface-mounting indoor backbox for VT/SVT Series loudspeakers mounts to any single or double-gang backbox for concealed conduit installation. 4" SQ. x 1½" D CRS unit is finished in baked epoxy and includes ½" conduit knockouts. Suffix model with choice of color. Red(R) or Neutral Gray(N).

SFP. Semi-flush, 6" SQ adapter plate mounts behind VT/SVT Series loudspeakers to cover any recessed 4" SQ x 2⅛" D outlet box. CRS wall plate is stamped and painted. Suffix model with choice of color: Red(R) or Neutral Gray(N). Dimensions: 6" SQ. x 7⁄32" D.

TVTA. Twin housing for bi-directional mounting of two independently powered VT or SVT Series loudspeakers. Ideal for wall or ceiling installation in corridors and walkways. Each unit includes 2¾" deep housing with base and adapter plate for parallel mounting to any electrical backbox. Suffix model with choice of color: Red(R) or Neutral Gray(N).

F-P. Flush adapter plate for VTF series loudspeakers provides for recessed mounting to 4 11⁄16" backboxes or solid exterior and hollow interior wall surfaces where a backbox is not required. CRS stamped construction.

A-R. Adapter ring for recessed mounting of VTF series loudspeakers. Welded steel collar is 2" deep to provide necessary extension to any 4" SQ. x 2⅛" deep E.O. box. Includes four "S" clips. Finished in neutral grey.

M-R. Mounting ring with clips for recessed mounting of VTF/SVTF Series loudspeakers. Welded steel ring is 2" deep to provide extension to any 4 11⁄16" SQ x 2⅛" D backbox. Finished in neutral grey.

Note: Accessories are also ideal for application with WPVT Series Weatherproof Intercom Stations (Section 8).

4" LOUDSPEAKERS FOR FIRE PROTECTION SIGNALING

General Description. UST and UDT Series loudspeakers are 10 and 8 watt UL Listed assemblies, respectively, that provide clear reproduction for emergency warning signals, paging, and background music systems. Pre-assembled models, which are designed for use with compatible control equipment, are commonly used to inform and protect occupants in hotels, airports, apartment complexes, schools or wherever fire-protective signaling systems are required or specified to preserve life and property. In addition to their high-quality communication capability, UST and UDT Series models offer a choice of baffle styles and a selection of UL Listed and plenum-rated enclosures. UDT Models can also be mounted to standard E.O. Boxes. All models have a DC blocking capacitor and terminal strip connectors. Listed under UL Standard 1480, Speakers for Fire Protective Signaling Systems, provided that recommended enclosures are used for each model. As always, confirm specifications with local building codes.

UST Series. These multi-functional units feature a 10 watt, high-fidelity 4" loudspeaker (Model FC104) with a frequency response of 105 Hz-17 kHz, and an 8 watt, multi-tapped transformer. This configuration provides a wide frequency range allowing it to function in either an emergency warning or background music/paging system. This dual capability effectively reduces system and installation expenses by eliminating the need for two separate speaker systems (where permitted by local codes); one for emergency warning; and one for paging.

UDT Series. Models are comprised of an 8 watt, 4" loudspeaker, and a 2 watt, multi-tapped transformer. These units reproduce warning signals and life-safety communications with high output and minimal input power demand.

UDT SERIES LOUDSPEAKER SPECIFICATIONS

MODEL SERIES	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING	IMPEDANCE	FLUX DENSITY	SENSITIVITY*
UST	4" (102mm)	10 oz. (0.28 kg)	105 Hz - 17 kHz	10 Watts	8 ohm	10,500 Gauss	93dB (1W, 1M)
UDT	4" (102mm)	5 oz. (0.14 kg)	400 Hz - 4 kHz	8 Watts	8 ohm	9,200 Gauss	94dB (1W, 1M)

* UL Rating at 1 watt, 10 ft. (3dB increment rating) 800-2800 Hz, UDT = 84dB, UST =78dB.

MODEL (SPKR/XFMR/CAP/BAFFLE)	XFMR VOLTS	WATT. TAPS	DC BLOCKING CAPACITOR	BAFFLE TYPE	ENCLOSURE★★ (ORDER SEP.)
★ **UST87(82)C51-4**	70.7 (25)	1, 2. 4 & 8	4 mfd @150V (70.7V Xfmr) 10 mfd @50V (25V Xfmr)	**U51-4**	**U96-4X**
★ **UST87(82)C161-4**				**U161-4**	**U198-4, USE198-4**
★ **UDT7(2)C-B-U51-4**	70.7 (25)	.25, .50, 1 & 2		**U51-4**	**U96-4, U96-4X**
★ **UDT7(2)C-B-U52-4**				**U52-4**	**4" E.O. Box***
★ **UDT7(2)C-B-U161-4**				**U161-4**	**U198-4, USE198-4**
★ **UDT7(2)C-B-U162-4**				**U162-4**	**4" E.O. Box***

* Mounts 4" SQ. x 2⅛" deep E.O. Box with 1½" extension flange.

8" LOUDSPEAKERS WITH DUAL OR SINGLE VOICE COIL

UKT/UHT Series. High-quality 8" ceiling or wall-mount loudspeakers for application in fire protective signaling, emergency alarm and audio evacuation systems are available with a single or dual voice coil, factory-mounted 5 watt multi-tapped transformer and a selection of baffle styles and colors to accommodate varying code and aesthetic requirements. UKT Series loudspeakers are equipped with two 1" dia. voice coils, two transformers (specify 25 or 70.7 volts) and DC blocking capacitor. UHT Series loudspeakers have a single 1" dia. voice coil, choice of 70.7 or 25 volt transformer, and DC blocking capacitor. All units are shipped pre-assembled to reduce installation labor, time and expense. Both model series provide line supervision. Loudspeakers are equipped with a molded, fire-retardant, moistureproof cone with whizzer and 10-oz. ceramic magnet to deliver smooth frequency response with high intelligibility and minimal distortion. Transformer has a core size of ½" x ⅝" (13 x 16mm) and insertion loss of 1.5dB. All models terminate with 6" color-coded leads. Refer to SL6-1181 and SL6-1424 for more information. UL Listed loudspeaker packages must be used with UL Listed enclosures indicated to maintain UL Listed status. Listed under UL Standard 1480—Speakers for Fire Protective Signaling Systems. As always, confirm specifications with local building codes.

* UL Ratings measured per UL Standard 1480 at 1 watt, 10 ft. (3dB increment rating): UKT = 78dB; UHT = 81dB. Dispersion: 160o @ 2000Hz.

UKT/ UHT SERIES LOUDSPEAKER SPECIFICATIONS

MODEL SERIES	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING	IMPEDANCE	FLUX DENSITY	SENSITIVITY*
UKT	8" (203 mm)	10 oz. (283 g)	60 Hz - 8 kHz ± 5dB	10 Watts	8 ohm (Ea. Coil)	10,600 Gauss	94dB (1W, 1M)
UHT			85 Hz - 8 kHz ± 5dB	10 Watts	8 ohm		97dB (1W, 1M)

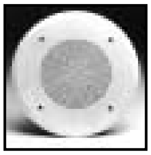
MODEL* (SPKR/XFMR/CAP/BAFFLE)	XFMR VOLTS	WATTAGE TAPS	DC BLOCKING CAPACITOR	BAFFLE TYPE**	MOUNTS ENCLOSURE★★ (ORDER SEPARATELY)
★ **UKT70(25)-2C-U51-8**	70.7 (25) (Ea. Xfmr)	½, 1, 2 & 5	4 mfd @ 150V (70.7V Xfmr), 10 mfd @ 50V (25V Xfmr)	**U51-8**	**U95-8, U96-8**
★ **UKT70(25)-2C-U161-8**				**U161-8**	**U198-8, USE175-4**
★ **UHT70(25)C-U51-8**	70.7 (25)			**U51-8**	**U95-8, U96-8**
★ **UHT70(25)C-U161-8**				**U161-8**	**U198-8, USE175-4**

* A variety of other loudspeaker/baffle combinations are available in quantities of 100 or more. Refer to SL6-1181.
** Baffle specifications are listed under the corresponding model number, less "U" Prefix, in Sec. 3.

★ UL LISTED Fire protective signaling (1480) when used in combination with a UL listed enclosure and baffle.

★★ UL LISTED Enclosures are UL 1480 fire protective signaling listed. Recessed models are accepted under UL2043 for use in air handling "plenum" spaces.

UDT Series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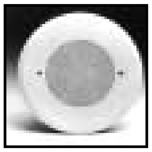
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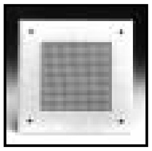
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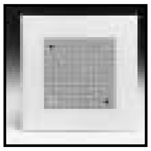
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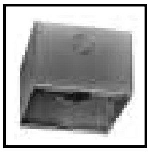
U96-4

U96-4X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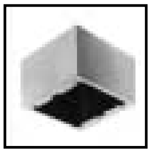
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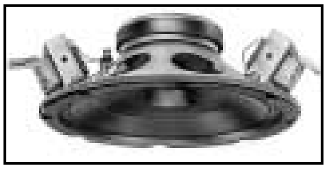
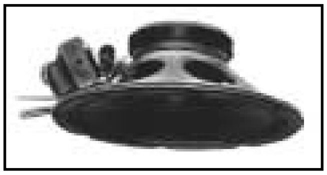
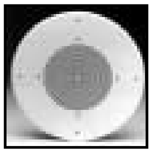

UKT Series


UHT Series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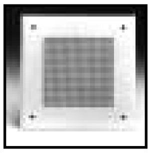
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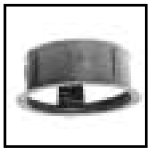
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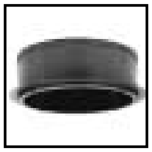
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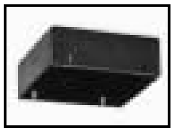
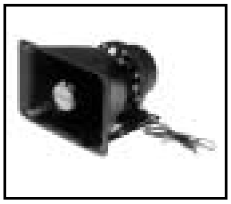

U198-8

STANDARD & HIGH-POWER SIREN LOUDSPEAKER ASSEMBLIES

HPC-370GA

HPH-370GB


HPG-370GA

HP370 Series. High-performance electronic siren loudspeakers provide penetrating tone signaling and high-intelligibility voice communications to enhance the functional and operational range of mobile and stationary emergency communication systems. All siren models include the world-recognized SD Series 11 ohm compression driver with double re-entrant loudspeaker for use in ambulance and emergency vehicle applications, security alarm, protective communications, community warning and 2-way radio systems. Assemblies include the patented 100 watt SD-370A compression driver (U.S. Patent 7,760,501) complete with a non-fatiguing, self-aligning sound chamber assembly. HP370 Series is available in choice of wide angle, round, or rectangular loudspeaker bell or specially designed housing for concealed and under hood installation. Product series suitable for use with matched amplifier and control equipment in systems requiring AMECAƒ (formerly AAMVA) Certification to General Services Admin. specifications (KKK-A-1822C).

MODEL	DESCRIPTION	POWER RATING	DISPERSION**	SOUND LEVEL PEAK (dBA)	FINISH
HPC-370GA	Wide Angle Molded Bell	100 Watts*	70°H x 115°V	111*** 118****	Grey Bell Black Driver
HPH-370GB	Housing for Concealed Mounting		75°H x 105°V	109*** 116****	Black Epoxy Housing Black Driver
HPR-370GA	Round Bell		75°	112*** 118****	Grey Epoxy Bell Black Driver
HPG-370GA	Rectangular Molded Bell		80°H x 105°V	110*** 116****	Black Bell Black Driver

* 33 volts into 11 ohm = 100 watts
** 2000 Hz octave band, -6dB points
*** measured 1W/1M
**** measured at rated power, 3 meters

COMPRESSION DRIVERS FOR ELECTRONIC SIREN APPLICATION

SD-70

SD-370A

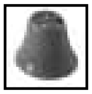
SD Series. Recognized throughout the world as the quality and performance standard for electronic signaling, SD Series heavy-duty weatherproof compression drivers are recommended for application in stationary and mobile public address systems, emergency and law enforcement vehicles of all types. Driver is equipped with a 2¾" voice coil having a nominal impedance of 11 ohm at rated power. Non-fatiguing phenolic diaphragm is a formed, self-aligning assembly capable of field replacement. Model SD-70 is a 58 watt driver recommended for medium powered systems. SD-370A is a patented (U.S. Patent 7,760,501) 100 watt driver designed for high-powered signaling applications. It features a non-fatiguing, self-aligning sound chamber assembly. Model SD-370A is a standard component of the popular HP370 Series siren loudspeaker assemblies and will accommodate any horn or reflex projector equipped with standard 1⅜"-18 thread. SD-70 is finished in grey baked epoxy. SD-370A is finished in black baked epoxy. Product series is suitable for use with matched control equipment for siren systems requiring AMECA (formerly AAMVA) certification to General Services Admin. specification (KKK-A-1822C) or Article 8, Title 13 of the Cal. Admin. Code.

SPECIFICATIONS

MODEL	POWER RATING	IMPEDANCE	PLANE WAVE FREQ. RESPONSE	LOW FREQ. LIMIT @ FULL POWER	SOUND LEVEL***
SD-70	58 Watts*	11 ohm (nominal)	100 - 2,900 Hz (±5dB)	200 Hz 80 - 2,900 Hz (±5dB)	115.8 (avg) (111 x 90mm)
SD-370A	100 Watts**	11 ohm (nominal)	100 - 2,500 Hz (±5dB)	200 Hz 100 - 2,500 Hz (±5dB)	117 (avg) (118 x 102mm)

* 25 volts into 11 ohm = 58 watts
** 33 volts into 11 ohm = 100 watts
*** Measured on a plane wave tube at 1mW

REFLEX TIP ASSEMBLIES, BELLS, ADAPTERS & REPLACEMENT KITS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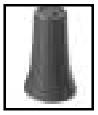
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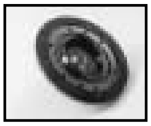
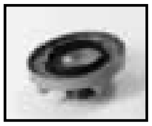
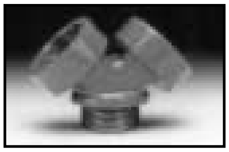

K-70GB


K-370A


YDA-TH

Atlas-Atlas Sound offers the following genuine replacement parts to service and maintain the performance of siren loudspeakers.

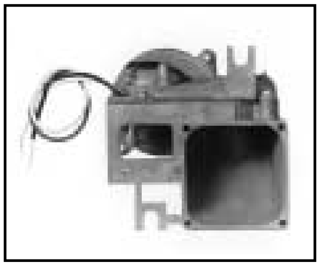
ƒ AMECA (Automotive Manufacturers Equipment Compliance Agency, Inc.)

MODEL	DESCRIPTION	SIZE	MOUNTS
EST-510	Tip Assembly–Grey	3¼" L	SD-70 SD-370A
EST-527	Tip Assembly–Grey	5¼" L	
ESB-610	Loudspeaker Bell–Grey	7³⁄₁₆" Dia. x 3⅝" D	
ESB-627	Loudspeaker Bell–Grey	8" Dia. x 6" D	
ESB-974	Loudspeaker Bell–Grey	5½" Dia. x 3" D	
K-70GB	Replacement Head Assembly	—	SD-70
K-370A*	Replacement Head Assembly	—	SD-370A
KGG	Compression Driver Gasket Kit	—	
K-CR	Compression Driver Spacer/Clamp Ring	—	
YDA-TH	Dual Driver Adapter 1⅜"–18F, 1⅜"–18M thread	—	SD-70/370A

* Model K-370A requires Model K-CR spacer/clamp ring if previous spacer is missing on older (grey) SD-370 drivers. It is not required on SD-370A drivers.

COMPRESSION DRIVER WITHOUT HOUSING OR MOUNTING PLATE

VTB Series. UL recognized compact high-efficiency Voice/Tone™ compression drivers are designed for custom installation in high-efficiency industrial communication, intercom, electronic alarm and monitoring system applications including correctional facilities, transportation vehicles, construction sites and drive-in menu boards. Models include integral exponential sound projector to provide reliable sound distribution and optimum intelligibility for the reproduction of voice and/or electronic tone signals. Die-cast zinc construction with watersealed driver will withstand moisture, corrosion, vibration, vermin and vandalism. Models are available with a selection of multi-tap transformers and are designed to mount a variety of standard or custom housings and face plates to meet installation and application requirements.



VTB Series

MODEL	POWER TAPS (WATTS)	FREQUENCY RESPONSE	*SOUND LEVEL	DISPERSION	IMPEDANCE OHM
VTB-1	15	400 Hz-4 kHz	107	150°	8
VTB-2	15		107		4
VTB-3	15, 8, 4, 2		107		**
VTB-4	15, 8, 4, 2		107		***
VTB-6	2, 1		100		***

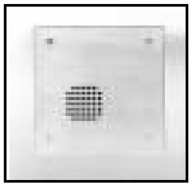
* Measured at rated power, 1 meter.

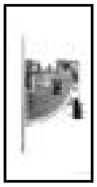
** Built-in 70.7-Volt Xfmr. May be wired with 25 Volts to provide 2, 1, 1/2, 1/4 watt taps.

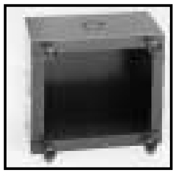
*** Built-in 25-Volt Xfmr.

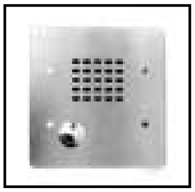
**** Built-in 70.7-Volt Xfmr. May be wired with 25 Volts to provide 1/4, 1/8 watt taps.

★ UL recognized.


VPVT


VPVT (side)


VP-77


VPCS-2GPB-2

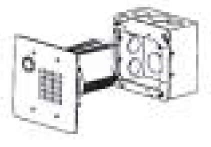
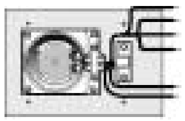
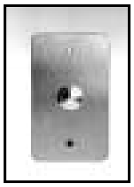


Plate-Mounted Wall Switch




VPB-1A

STATIONS WITH COMPRESSION DRIVER & CALL SWITCH OPTION

VPVT-PB Series. Loudspeaker stations with high-efficiency compression driver mounted to an 12-gauge stainless steel plate provide two-way communication for vandal-proof use in detention facilities, correctional institutions and secured access applications. Rugged recess-mounting assemblies incorporate the patented VT Series, environment-resistant compression driver; recognized throughout the world for dependable performance and effective voice and signal tone distribution. High-intelligibility, 8 ohm compression driver also functions as a microphone to provide clear voice communication. VPVT-PB Series incorporate a vandal-resistant call-origination button with 3 amp contact rating to provide call-in signaling capability. Stations are available in high-power 15 watt models with 25 volt transformer. VPVT-PB Series measures 7¼" square and installs into Model VP-77 backbox. Backboxes are ordered separately.

Model	Power Rating	XFMR	FREQUENCY RESPONSE	SENSITIVITY AS A MICROPHONE	Call Switch	Optional Back Box
VPVT-1PB	15 Watts, 8 ohm	None			Yes	VP-77
VPVT-4PB	15 Watts, 25V	25V			Yes	VP-77
VPVT-6PB	2 Watts, 25V	25V			Yes	VP-77

RECESSED BACKBOX FOR VANDAL-PROOF STATIONS

VP-77. Protective backbox is constructed of 16-gauge CRS and finished in black textured enamel for installation of specified vandal-proof loudspeaker station assemblies.

MODEL	DIMENSIONS	MOUNTS
VP-77	6¼" x 5½" x 3½"	VPVT-PB Series

STATIONS WITH CONE LOUDSPEAKER & CALL SWITCH OPTION

VPCS Series. High-security VPCS vandal-proof loudspeaker stations are equipped with a 2½" dia. moisture-proof resin impregnated cone loudspeaker for clear voice/signal transmission with durable performance. The overall depth of all units is a shallow 2⅛" (54mm) allowing installation in standard size E.O. boxes. VPCS-2G- Series and VPCS-2GPB-2 are 2-gang versions. VPCS-3G- Series are 3-gang models. VPCS models include a two-piece die-cast barrier (patent applied for) to protect the loudspeaker assembly from vandalism. Models with "PB" designation include a vandal-proof call switch. The switch is a heavy-duty, momentary action push-button with a 1.5A 250 VAC contact rating. The 25 volt transformer has ¼, ½, 1 and 2 watt taps. VPB-1A is a vandal proof mounted call switch designed for installation where call origination is desired. VPCS Series face plates are constructed of 11-gauge stainless steel.

MODEL	DESCRIPTION	DIMENSIONS
VPCS-2G-2	25V; 2-gang	4¾"Sq. x 2⅛"D (121 x 121 x 54mm)
VPCS-2G-X45	45 ohm; 2-gang	
VPCS-2GPB-2	25V; 2-gang w/call Switch	
VPCS-2GPB-X45	45 ohm; 2-gang w/call Switch	
VPCS-3G-X45	45 ohm; 3-gang	6⅜"W x 4¾"H x 2⅛"D (162 x 121 x 54mm)
VPCS-3GPB-X45	45 ohm; 3-gang w/call Switch	

PLATE-MOUNTED CALL SWITCH

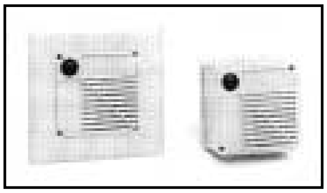
VPB-1A. Intercom accessory includes a vandal-resistant pushbutton mounted to an all new single-gang, 12-ga. stainless steel plate which may be used in conjunction with VPVTPB, VPCS-2G-2(PB)(X45) and VPCS(PB) Series intercom stations. Switch may also be used as a stand alone signaling device when a separate or remotely located call-origination button is desired. Switch is a SPST normally open circuit with a 3-amp contact rating. Vandal proof hardware installs using a 6–32 holt-head driver bit for a standard ¼" nut driver. Bit may be ordered separately. Order Model HX56-6D.

MODEL	DESCRIPTION	DIMENSIONS
VPB-1A	Plate Mounted 1-gang Call Switch	4½"H x 2¾"W x 1⅜"D (114 x 70 x 35mm)

STATIONS WITH COMPRESSION DRIVER AND CALL SWITCH

WPVT-S/WPVT-F Series. Surface and flush-mounting outdoor intercom and paging loudspeaker assemblies provide weatherproof and vandal-proof two-way communication with call-in capability for remote guard and security stations, entry and exit gates, perimeter doors and parking garages. Environment-resistant assemblies include die-cast watersealed VT Series 8 ohm compression driver loudspeaker available with 15 or 2 watt transformer and pre-mounted call SPDT-type switch protected by a weatherproof rubber boot. WPVT-S Series are surface mounting assemblies size 4¼" SQ. x 3⅛" D. WPVT-F Series are recess/flush-mounting versions size 6" SQ. x 33⁄16" D. Both model series are finished in neutral gray(N) epoxy and install to a standard 4" E.O. Box (not included). A large selection of installation accessories are also available. See Section 6 “Installation Accessories for Voice/Tone Loudspeakers.’’

MODEL	POWER RATING	XFMR	FREQUENCY RESPONSE	SENSITIVITY AS MICROPHONE
WPVT-1SN(FN)	15 Watts (8 Ohm)	—	600–5500 Hz	-26dBm
WPVT-4SN(FN)	15Watts	25V		
WPVT-6SN(FN)	2 Watts	25V		



WPVT-F Series

WPVT-S Series

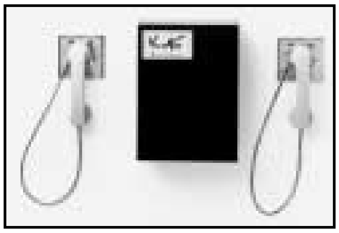
VISIKOM TELEPHONE VISITATION SYSTEM

PVP-24/PVP-6. Modular telephone intercommunication system accommodates up to 24 independent telephone conversations of two or more telephone stations each for use where physical separation between communicating individuals is desired. Typical applications include customer telephones and visitation areas of detention, correctional and penitentiary facilities. Unique filter circuitry employed assures privacy and isolation from crosstalk. Plug-in design provides simple installation, servicing and expansion capability. System is comprised of Model PVP-24 control unit, Model PVP-6 plug-in interface module and standard telephone stations with two form “C’’ (DPDT) hookswitches including Atlas Sound Model Series CE and DP-1. Surface-mounting control unit includes integral power supply, four ¾"cable access holes and ports for installation of up to four PVP-6 modules. Each plug-in module will control up to six isolated telephone circuits for a total system capacity of 24 circuits. Chassis and lift-off cover are constructed of 18-gauge CRS and finished in textured black epoxy. Wiring requirements are two conductor, telephone type. For complete wiring and installation information, request manual #245691.

MODEL	DESCRIPTION	POWER REQ.	POWER OUTPUT	CAPACITY	DIMENSIONS (W x H x D)
PVP-24	24 Line Control Unit	117 VAC	8 VAC @ 2 Amps	Four PVP-6	9½" x 13" x 4½" (241 x 330 x 114 mm)

MODEL	DESCRIPTION	POWER INPUT	OUTPUT
PVP-6	Plug-in Interface Module	8 VAC	Six Isolated Phone Lines

*System uses telephone station Model Series CE and DP-1. See “Telephone Intercom Stations and Accessories’’ — this section.



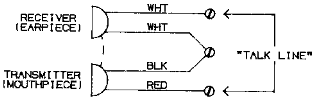
Visikom System with (2) CE-2-AC Telephones

PVP-24 with (4) PVP-6 Installed
(cover removed)

COMMON TALK TELEPHONE INTERCOM APPLICATIONS

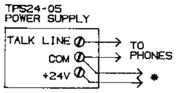
Atlas Sound offers a selection of telephone stations and related accessories which can be used to create a variety of common talk telephone intercom systems. For details on individual models, refer to specification sheet SL8-1434, “Telephone Intercom Accessories.”

Handset (Series Connected)



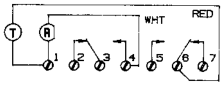
All of the common talk telephone stations described on this sheet utilize series-connected handset elements.

Using a Common Talk Line



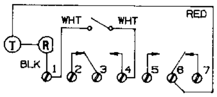
Two or more (handsets) may be connected in parallel across a common “talk line,” which must then be connected to an appropriate DC voltage source (the talk-line output of the Model TPS24-05 power supply combined with any 24 VDC power supply).

CE and DP-1A Series Telephones



Each telephone intercom station is equipped with a two-form “C” (DPDT) hookswitch and is wired to the handset.

"PT" Option for CE-2A and DP-1A



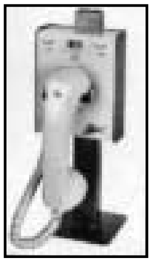
A commonly used option available on the CE-2A and DP-1A telephone station is the handset-mounted pushbutton, known as the “PT” option.

PAGEKOM® COMMON-TALK PAGING SYSTEMS

General Description. PageKom one and two-line common talk-paging systems with “page only” line are ideal for application wherever cost-efficient and dependable common-talk intercommunication and paging are logical communications adjuncts. Typical installations include commercial and service businesses, manufacturing, production, distribution and storage facilities. Selection includes one and two-channel models in wall and desktop versions.

Models with integrated loudspeaker provide added paging flexibility in remote areas where overhead announcements are not practical. PageKom systems require a power control unit model PKC24-30, necessary wiring plus a system amplifier (both items by other manufacturers). Desk phone models also require Model PK10-TA terminal box. For wiring information, request installation manual #286919 or SL8-1455.

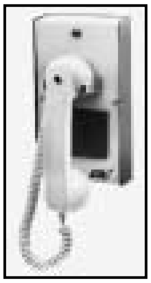
PK101-WA



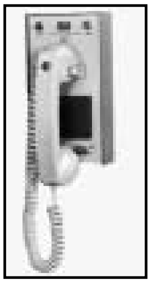
PK100-WA
on PKS-13A stand

PAGEKOM® WALL PHONES/OPTIONAL PEDESTAL STAND

PK100/PKS Series. Models PK101-WA and PK100-WA are one and two-line stations, respectively for wall or pedestal mounting. Assemblies incorporate a “500” style handset with factory-mounted SPDT-type paging switch, cast metal hookswitch with external loudspeaker muting device and LED busy lights mounted within a CRS housing with silkscreened nomenclature. All connections are screw terminal. Housings are finished in neutral gray epoxy and measure 6½" H x 4½" W x 2" D. Handsets are matching neutral color. Optional PKS Series single pedestal phone stands are available for station mounting in open areas and where free-standing access is preferred. Stands are rectangular CRS tube construction MIG welded to an 11-gauge CRS mounting base for dependable strength and stability. Finish is neutral gray epoxy.



PK201-WA



PK200-WA

PK301-DA

PK300-DA

PAGEKOM® WALL & DESK PHONES WITH LOUDSPEAKER

PK200/PK300 Series. Versatile one and two-line stations for wall and desktop application, respectively, incorporate the same basic features as the PK100 Series but include integral loudspeaker to provide paging capability at the handset. Models are ideal for application in remote and private areas where close-up direct paging transmission is desired. Models include a 2½" loudspeaker, 25 volt transformer and ½" and 1 watt taps and screwdriver-adjust volume control. To provide uninterrupted conversation and paging capability, the internal loudspeaker is muted when the handset hookswitch is activated. Wall-mount housing is constructed of CRS, finished in neutral gray epoxy and measures 7⅞" H x 4½" W x 2" D. Desk housings are molded from high-impact plastic and finished in neutral gray. Handsets are also neutral color. Desk phones require model PK10-TA terminal box (order separately).

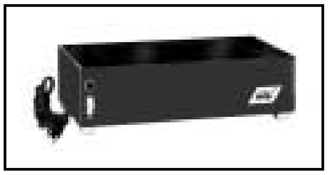
MODEL	DESCRIPTION	SPEAKER	XFMR
PK101-WA	One line wall phone	—	—
PK100-WA	Two line wall phone	—	—
PK201-WA	One line wall phone	2½" Dia. with 1 Oz. Magnet	25 Volts, ½ and 1 Watt Taps
PK200-WA	Two line wall phone		
PK301-DA	One line desk phone		
PK300-DA	Two line desk phone		
PKS-13A	13” high pedestal for PK-101WA and PK100-WA		
PKS-24A	24” high pedestal for PK-101WA and PK100-WA		

PAGEKOM® POWER CONTROL UNIT

UL LISTED

PKC24-30. Power controller with full wave rectifier and pi-section filter delivers 24 volts at 3 amps to service up to 45 stations each. 100K ohm potentiometer with screwdriver adjust, controls the input from any background music source to the amplifier. Relays are 24 VDC, DPDT plug-in type with dust cover for long life and easy servicing. Assembly also includes a non-switched convenience outlet. Terminations are screw terminals for system wiring and phono plugs for the amplifier and program source. For expansion convenience, a jumper terminal is provided for simple addition of auxiliary power supply Model PS24-30 capable of powering up to 45 more stations (90 total). CRS housing is finished in black with textured black cover and measures 3½" H x 13½" W x 7¾" D. Assembly is listed under UL 464.

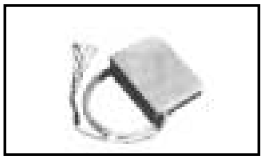
MODEL	POWER INPUT	POWER OUTPUT	EXT. POWER INPUT	AUX. OUTPUT POWER
PKC24-30	105-125 VAC 60 Hz	24 VDC @ 3 Amps	24 VDC up to 3 Amps	24 VDC @ 250 mA fused



PKC24-30

PAGEKOM® TERMINAL BOX

PK10-TA. Assembly includes 10-point barrier strip for screw terminal connection housed within a CRS enclosure finished in neutral gray epoxy. Model PK10-TA terminal box is required for application with PK300 Series desk phones and includes six-foot 10 conductor cable terminated with spade lugs. Dimensions: 5⅝" H x 4⅛" W x 1⅝" D.

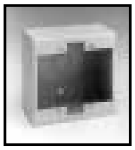


PK10-TA

TELEPHONE INTERCOM ENCLOSURE

TS302A. Surface-mounting 2-gang enclosure provides for surface mounting of CE Series intercom stations. CRS unit is finished in neutral gray epoxy.

MODEL	TYPE	MOUNTS INTERCOM STATION	MOUNTING FRAME (Order Separately)	DIMENSIONS (W x H x D)
TS302A	Surface	CE-2A	—	4 11/16" x 4 5/8" x 2 15/32"



TS302A

WALL MOUNT HANDSET/HOOKSWITCH ASSEMBLY

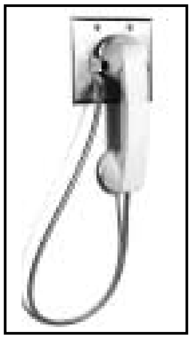
CE-2A. Economical handset assembly provides clear and crisp speech reproduction for intercom and paging functions. It includes a “500’’ style handset and two form “C’’ (DPDT) hookswitches mounted to a 2-gang plate with rear mounted terminal strip, color coded leads and spade lugs. Model features a chrome hanger hookswitch, neutral handset, flexible coil cord and stainless steel plate for mounting directly to a standard E.O. Box. Factory-wired options are listed below.

PT Option. Factory-installed push-to-talk handset button provides for relay control and a variety of switch, communication, and signaling functions. Contact switch arrangement is a SPDT wired as normally open. Option is available on CE and DP Series telephone stations as noted.

AC Option. For telephone station installations requiring vandal protection, this 25" stainless steel armored cable is securely fastened to the mounting plate and handset to provide service-free operation in public access areas, municipal buildings, and warehouses. Option available on Model CE-2 only.

			OPTIONS*	
MODEL	**COLOR**	**MTG. PLATE**	**PUSH-TO-TALK**	**ARM. CABLE**
CE-2A	Neutral	2 gang	-PT	-AC

*Add one suffix to base model number (example: CE-2A-PT or CE-2A-AC).



CE-2A-AC

DESK INTERCOM STATION ASSEMBLY

DP-1 Series. Traditional “2500’’ style desk phone is finished in neutral for use in virtually any telephone intercom system. Assembly includes handset, two form “C’’ (DPDT) hookswitches, transmitter, receiver, housing with blank dial and coiled cord. Unit is wired to an interior mounted terminal block and supplied with spade lugs for quick modification. Unit does not include ringer, induction coil. Finished in neutral gray.

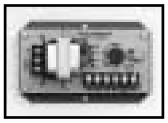
MODEL	**DESCRIPTION**	**COLOR**
DP-1A	Desk Phone	Neutral

DP-1A

600-OHM IMPEDANCE MATCHING TRANSFORMER

LT600-VC. Versatile unit for matching telephone-type, 600 ohm line circuits with HI-Z circuits. It can also be used as a 600 ohm to 600 ohm isolation transformer. Recommended for coupling of telephone-type lines into amplified sound systems, background music and paging systems, recording equipment, or studio electronics. Built-in potentiometer provides optional adjustability for the 25K output level. The 600 ohm input may be matched to 600, 10K and 25K-ohm circuits. All components are mounted on a printed circuit board. Steel chassis includes mounting ears and “insta-mount” tape. Transformer is shielded to minimize induced hum. Unit includes a phono jack on the output side for convenient connection to amplifier or other equipment circuitry. Jack can be connected to various transformer taps via barrier strip jumper. (Factory-installed jumper connects jack to potentiometer output).

MODEL	**INPUT IMPEDANCE**	**OUTPUT IMPEDANCE**	**FREQUENCY RESPONSE**	**DIMENSIONS**
LT600-VC	600 ohm	600, 10K, 25K ohm	60Hz–12KHz	4⅞" L x 3⅛" W x 1¾" H (124 x 80 x 44 mm)



LT600-VC

TELEPHONE POWER SUPPLY

TPS24-05. Unit is a combination 24-VDC/TALK voltage power supply engineered to power most common-talk telephone intercom systems (see Section 8). Finished in black epoxy and complete with 68 power cord. For information on common-talk intercom applications, request SL8-1433.

MODEL	**INPUT**	**OUTPUT (Nom.)**	**RIPPLE @ FULL LOAD**	**REGULATION 0 - FULL LOAD**	**SIZE L x W x H**	**WEIGHT**
TPS24-05	117 VAC 60 Hz, 36 W	24 VDC ½ Amp Talk Line	0.5 mV	500 mV	6¾" x 3⅝" x 2" (171 x 92 x 51 mm)	3.0 lbs. (1.4 kg)

TPS24-05

TELEPHONE ACCESSORIES AND REPLACEMENT PARTS

Suitable for use with CE Series handset/hookswitch assemblies.

MODEL	**DESCRIPTION**
CEK-1A	Coil style replacement cord, standard 6-foot length, neutral
CX-EA	Handset mounting noise cancelling transmitter, neutral
DY-1	Dynamic transmitter allows the telephone to function as a microphone for high intelligibility paging. Replace carbon transmitter with DY-1 during installation.
RU-1	Replacement handset receiver (150–200 ohm)
TU-1	Replacement handset transmitter (50 ohm)

Open office landscaping and mobile partitions are popular concepts within commercial and institutional buildings. In order to maintain conversational privacy for the individual, Atlas Sound has merged the expertise of leading acoustical consultants and its own practical manufacturing experience to produce sound masking loudspeakers and signal generators.

The selection of products is designed to accommodate the varying mechanical requirements of suspended tile ceilings and the building codes of individual communities. Models include special 4" and 8" diameter loudspeaker assemblies for upward, downward, horizontal and angled dispersion, as well as digital masking amplifiers and sound generators.

"THE MASKER" SELF-CONTAINED SYSTEM

AM1100-LH

AM1100 Series. Complete self-contained masking unit is suitable for applications where distributed constant-voltage systems are not practical. Economically priced unit provides confidentiality and can be installed above or below the ceiling (as field conditions require). System could be used in individual office areas, common waiting areas and professional offices where confidential conversations occur. The equalized masking sound lowers intelligibility and "masks" disruptive outside sounds.

System is available in 117VAC and 16VAC versions. Each model includes built-in power supply, digital pink noise generator, 2 watt amplifier, 4" loudspeaker with 10-oz. ceramic magnet and selection of installation and operational features described below. All components are packaged within a specially designed 6" (152mm) metal cube enclosure featuring one-point suspension to allow 360˚ positioning capability. Controls include power switch, screwdriver-adjust master volume control, attenuator with 1½dB per step, and two screwdriver-adjust low pass filters. For convenience, sound output curves have been calculated and shaped at the factory (specially designed curves to meet customer specifications are available). 117 volt models include transformer with IC electronic regulator and resettable circuit breaker. 16 volt versions include 8" leads for connection to external power transformer. The following options are included on specified models: (L) AC line cord with molded plug, (H) 4' suspension chain with "S" hook. Listed under UL Standard 1480, Speakers for Fire Protective Signaling.

MODEL	POWER REQUIREMENTS	DESCRIPTION
AM1100-LH	117VAC, 60 Hz	Masker with line cord and chain
AM1100-16VH	16VAC, 60 Hz@ 350 mA	Masker with chain

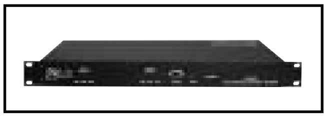
Also available: **PS16-40 AC.** 16 VAC power supply - will power up to (7) AM1100-16VH Maskers

NEW

DSP-BASED SOUND MASKING GENERATOR/EQUALIZER

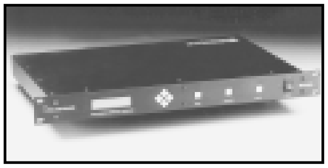
MG2500

MG2500. The Atlas Sound MG2500 Noise Masking Processor is a digital pink-noise generator that includes a balanced line-level audio input and a 2-channel DSP processor, all in a single rack-space unit. An extended 'non-apparent' repeat time of noise (200 minutes) and output delay with distance/delay calculation, per channel helps insure the masking source will not be decoded in high security installations. The MG2500 includes two independent matrixes for channel-to-channel mixing and balanced input & outputs on plug-in barrier strip connectors. Noise & audio levels, plus two channels of combined 1/3-octave & parametric equalization, EQ, gain management & delay, are adjusted via computer software (Windows 95/98/2000/XP/NT4). Sixteen presets can also be recalled via contact-closures, RS-232, or other remote control options.There are no manual controls on front panel, to prevent tampering. All programming software & serial cable included. UL Listed. Available July 2002.


MG2001

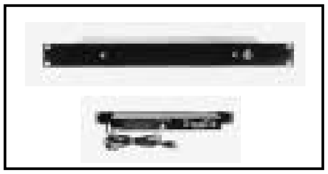
MG2001. The MG2001 represents the latest technology in digital signal processing (DSP) engines for sound masking generator/equalizers. This model features two built-in digital noise generators and two analog noise generators allowing the versatility of digital, analog, or mixed noise at either of its two outputs. Each noise source is separately adjustable–between 80dBu and 0dBu in 0.1dB steps. The MG2001 offers a variety of user selectable filter options including one-third octave, parametric high/low pass, and high/low shelving filters. Each filter offers precision .1dB level and 1 Hz frequency steps. All set-up and operating functions of the MG2001 are conducted from a PC using software provided for Windows 95/98/2000/XP/NT4. After defining and downloading the control functions through the PC, the settings will be stored within the unit in non-volatile memory (no battery required). The MG2001 model features 12 storage memories and 12 preset functions. The unit occupies one rack space unit (1¾") with a depth of 10" behind the front panel. It contains a built-in power supply capable of operating between 94-260 VAC at either 50 or 60 Hz.

SOUND MASKING GENERATOR/EQUALIZER WITH LCD DISPLAY


MG1500A

MG1500A. Masking pink noise generator is a professionally engineered source for acoustic masking utilizing the latest technology. Unit features a digital noise source and a digitally controlled analog equalizer. All control functions are selected using pushbutton switches and the display menu on the LCD screen. This self-contained unit is equipped with an internal power supply and operates at 117VAC. Room and loudspeaker acoustic equalization is achieved with 14 adjustable broadband filters on ⅓-octave centers from 200-4000 Hz. Unit also contains two filters centered at 8 and 16 kHz plus a low-pass and high-pass filter. Ten memory settings are offered for storing different equalization curves and built-in password security prevents tampering. The LCD read-out may be personalized to display the installer's name and phone number so that the customer has the information close at hand if questions arise. Chassis is mounted to a 19" W rack panel with rear-mounted terminals and three-conductor, 6-foot cord. Unit requires one rack unit (1¾") of vertical panel space. Finished in black semi-gloss enamel.

GENERAL PURPOSE GENERATOR


GPN1200B
(Front and Rear View)

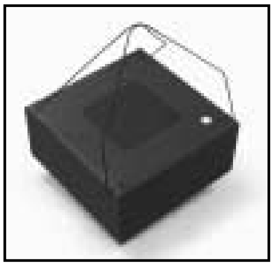
GPN1200B. Digital generator with switchable output produces pink or white noise for application in sound masking systems and for system equalization and audio equipment testing. Output level is .3V into 600 ohm (-8dBm) for matching input circuits of most commercial equalizers and amplifiers. Low-pass filter shapes frequencies from 16KHz to 250Hz at 12dB per octave. Self-contained unit with built-in power supply operates at 117VAC at 60Hz and includes replaceable fuse, ¼" phone jack and screw-terminal output connections. Chassis with rear-mounted controls is attached to a 19"W x 1¾"H rack panel and finished in black semi-gloss epoxy.

SUSPENSION MOUNTING SOUND MASKING LOUDSPEAKERS

M1000 Series. The new M1000 masking speaker assembly is designed to accurately reproduce the needed spectrum of masking signal into the plenum space. The innovative 712 cubic inch square enclosure insures ample low frequency response. A specially designed 8" dual cone loudspeaker is included in the package. A high efficiency 70.7V internal transformer is coupled to an external selector switch for easy system tuning. For more precise adjustments, a wide selection of wattage taps ranging from 1/4 watt to 4 watt are provided.

The exclusive Atlas Sound EZ hang brackets simplify installation. This innovative suspension system utilizes (2) collapsible galvanized hangers configured to allow quick upward or side firing installation. The hangers are factory-installed on the unit and fold flat for shipping. To meet most any local code requirement, the M1000 includes an innovative cover containing both knockouts and a strain relief. This system will allow the use of rigid or flexible conduit (if required) and easily accommodates “through” connections on the removable plate. UL Pending.

Model	Transformer Taps @ 70.7V	Speaker	Enclosure Volume	Dispersion Angle
M1000	.25,.5,1,2&4	8", 10 oz Dual Cone	712 cu. in.	Upward & Horizontal


NEW

M1000

M980 Series. Loudspeaker/enclosures for sound masking systems meet a wide variety of installation and acoustic requirements to achieve continuous background coverage in an open office environment. Models with “BX” option are UL listed to meet regulatory requirements. Labor-saving hardware package, complete with 4' suspension chain and snap hooks, allows these cylindrical assemblies to be easily and securely suspended in most suspended tile ceilings for upward, downward, horizontal or angled sound dispersion as required to meet specific level and environmental acoustic objectives, as well as code requirements. Wired assemblies include loudspeaker, transformer, enclosure, baffle and necessary hardware. CRS enclosures are undercoated and lined with 1½ lb./cu. ft. density fiberglass to eliminate metallic resonance in the high end of the frequency spectrum. CRS baffle is perforated and employs a foam filter gasket to protect assembly from dust and indoor environmental hazards. Enclosure and baffle are finished in black epoxy. M980 Series is available with choice of 4", 6" or 8" loudspeakers and 70.7 volt transformer with .5, 1, 2 and 5 watt power taps mounted within a 650 cu. in. enclosure. Series is available with optional rotary switch wired to transformer primary (suffix model with -RS) and optional conduit box complete with ½" conduit knockouts (suffix model with -BX).

M980 Series

Note: Snap hooks allow suspension chain to be adjusted for desired dispersion angle (upward, downward, horizontal, or angled.)

M900 Series. Economically priced loudspeaker/enclosure sound masking assemblies offer opportunities when budget constraints exist. These versatile units offer the same quality construction and similar performance as the M980 Series (described above) in a lower-priced package. Labor-saving hardware package, complete with 4' suspension chain and snap hooks, allows these cylindrical assemblies to be easily and securely suspended in most suspended tile ceilings in the conventional manner to provide upward, downward, horizontal and angled sound dispersion as required to meet specific level and environmental acoustic objectives, as well as code requirements. M900 Series is available with a choice of two 8" loudspeakers and a 70.7 volt transformer with .5, 1, 2 and 5 watt power taps. Both models are mounted within a 325 cu. in. enclosure. The CRS enclosure has a black epoxy finish and patch jute lining. Optional conduit box complete with ½" conduit knockouts is available (suffix model with -BX).

M900 Series

Note: Snap hooks allow suspension chain to be adjusted for desired dispersion angle (upward, downward, horizontal, or angled.)

T-BAR/CHANNEL SUPPORT SOUND MASKING LOUDSPEAKERS

M812. Loudspeaker/enclosure masking assemblies help maintain a successful acoustic environment in open plan and partitioned office designs with T-Bar supported ceiling systems. Selection includes square enclosures with upward sound dispersion, choice of two 8" loudspeakers with premounted 70.7 volt transformer, channel support rails and mounting hardware. Enclosures are finished in black epoxy and acoustically treated with undercoating and 1½ lb./cu. ft. density fiberglass to absorb resonance associated with high-frequency sound transmission. Transformers are supplied with .5, 1, 2 and 5 watt primary taps. M812 Series is a square enclosure with a cubic content of 529 cu. in. All models are available with optional rotary switch wired to transformer primary (suffix model with -RS) and optional conduit box complete with ½" conduit knockouts (suffix model with -BX). Also may be used in access floor masking systems.

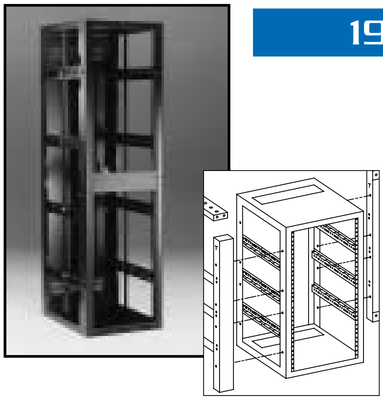
Base Model	Transformer (required.)	Optional (one or both)		Speaker		Encl. Volume (cu. in.)	Dispersion Angle
	70V	Conduit Box	Rotary Switch	Size	Model **		
M812-S2	T7	-BX	-RS	8"	C10A	529 cu. in.	Upward
M900-S1	T7	-BX ★		8"	C5A	325 cu. in.	
M900-S2	T7	-BX ★		8"	C10A	325 cu. in.	Upward downward horizontal & angled
M980-S1	T7	-BX ★	-RS	8"	C5A	650 cu. in.	
M980-S2	T7	-BX ★	-RS	8"	C10A	650 cu. in.	
M980-S3	T7	-BX ★	-RS	8"	C803A	650 cu. in.	
M980-S4	T7	-BX ★	-RS	4"	FC104	650 cu. in.	

M812 Series

★ c UL us LISTED Models with “-BX” (conduit box) option are UL listed under UL1480 General Signaling and are rated for use in air handling “plenum” spaces.

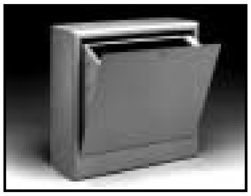
** For complete loudspeaker specifications, refer to Section 1.

Atlas Sound has been a leading manufacturer in the cabinet market for 30 years. The company's metal forming and solution-oriented design experience has created cabinets that are functional and meet specific spatial and structural guidelines. Models include unique ventilation and wire management features to meet changing configuration requirements, while offering superior aesthetics to satisfy work group image and facility management concerns. Specify Atlas Sound cabinets racks and consoles for use in commercial, industrial, broadcast, and institutional applications for computer-control equipment, telecommunications, studio electronics, building management, communications and security systems, or wherever rack-mounted devices require enclosure protection.

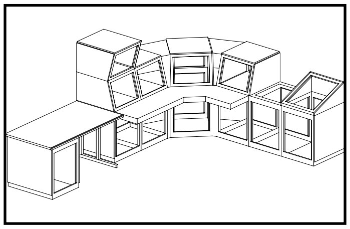


19" STANDARD FLOOR, WALL, AND DESK MODELS

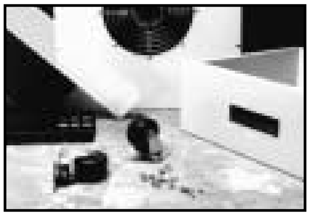
- Standard Series 19" Floor Cabinets - Pages 81-83
- Standard Series 19" Wall Cabinets - Page 84
- Standard Series 19" Wall and Desk Cabinets - Page 85
- Heavy-Duty Vertical Cabinets–Series 5000 - Pages 86-88

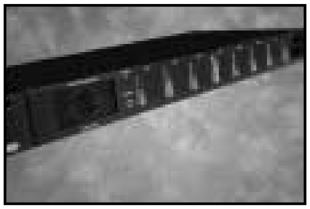


MODULAR CONSOLES



- Modular Consoles/Easy Order Assemblies
  Series VI - Pages 89-92
- Modular Consoles/Piece-Part Components
  Series VI - Pages 93-94
- Desk Configurations–Series VII - Page 95

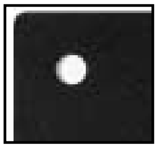




FUNCTIONAL ADD-ONS

- Panels - Page 95
- Shelves and Drawers for 19″ Cabinets - Page 96
- Shelves and Drawers for Console Cabinets - Page 97
- General Accessories - Pages 98-99
- Electronic Accessories - Pages 100-101
- Cooling Accessories - Page 102

CABINET COLORS



#962 – Midnight Black
(Textured Finish, Semi-Matte Sheen)

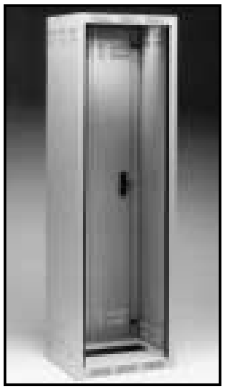
ATLAS SOUND STANDARD FINISH

Atlas Sound's finishing process for cabinet and rack systems, is now the largest in the industry, due to the technologically advanced painting process and facility. The high-adhesion process combined with specially formulated powder coatings produce a superior overall appearance and finish. Most cabinets finished in -962 midnight black as standard, filler panels and accessories finished in -052 as standard. Other products finished as noted.

(WA)100, 200, 500, 502, 503, 800 & RX

Welded Assemblies are UL Standard 1678
16-gauge CRS Construction: Built for Strength, Utility, Economy, and E.I.A. Specifications
Inside (Usable) Dimensions:
18½" D Models – 17¾" W x 17¼" D x Vertical Panel Space
25½" D Models – 17¾" W x 24¼" D x Vertical Panel Space
30" D Models – 17¾" W x 28¾" D x Vertical Panel Space

KNOCKED-DOWN OR WELDED CABINETS WITH FIXED RAILS



WA100-70B-962

WA100 Series. These industry-standard utility cabinets are engineered for superior ventilation and wire management. They are complete with base, top panel; vented side panels; vented rear door with lock; one pair of fixed rails; mounting screws and hardware. The rear door is removable and may be hung for right or left-hand hinging. Series WA100 is welded and UL listed (Standard 1678). Both styles feature, vents in the cabinet top and bottom front edge; knock outs at the top and bottom with easy wiring access through a standard panel openings in the cabinet. This installer-friendly design offers technicians ample room for wiring connections. Top and bottom panel opening may be left open for access and ventilation or covered using one of the following: a standard 5¼" (3RU) panel Model S19-5***; a non-conductive polymer panel to facilitate isolation of the rack from the building's electrical system Model ISOPANEL; or exhaust fan Models ES195-(121)(122) (top only). Optional solid or acrylic front doors are available. WA100 Series will not accept rear rack rails. Outside dimensions are 22⁵⁄₁₆" W x 18½" D.

MODEL	RACK UNIT	PANEL OPENING*	HEIGHT (OVERALL)	OPTIONAL FRONT DOOR			
				SOLID	LOUVERED	PLEX	VENTED
WA100-36B-962	21	36⅞"	41"	110-36A	5036-19-SDL	(-SDP)	(-SDV)
WA100-42B-962	24	42⅛"	46¼"	110-42A	5042-19-SDL	(-SDP)	(-SDV)
WA100-61B-962	35	61⅜"	65½"	110-61A	5061-19-SDL	(-SDP)	(-SDV)
WA100-70B-962	40	70⅛"	74¼"	110-70A	5070-19-SDL	(-SDP)	(-SDV)
WA100-77B-962	44	77⅛"	81¼"	110-77A	5077-19-SDL	(-SDP)	(-SDV)

* Listed panel opening allows ¹⁄₁₆" clearance at top and bottom (⅛" total). Welded Models are UL listed under Standard 1678.
*** Note: One Model S19-5 painted black is mounted to each cabinet as a shipping stiffener.

WELDED CABINETS WITH DOOR & ADJUSTABLE RAILING

WA202-70B

WA200/WA202 Series. Cost-efficient-cabinets are the same as WA100 Series, with the added features of a solid steel front door (110 Series) and front-to-rear adjustable mounting rails (230 Series). Series WA200 and WA202 are welded and UL listed assemblies. Both are available w/without door (denoted by LD). Extra-Depth Series WA202 models are structurally identical to the WA200 Series, except for their 25½" depth. Available in five vertical panel space heights. Outside dimensions are: (WA200 models are 22⁵⁄₁₆" W x 18½" D)(WA202 Series is 22⁵⁄₁₆" W x 25½" D) Additional mounting rails are offered. Specify 230 Series.

18½" D MODEL	25½" D MODEL	RACK UNIT	PANEL OPENING*	HEIGHT (OVERALL)	OPT'L FRONT DOOR	
					SOLID	LOUVERED, PLEX, VENTED
WA200-36B-962	WA202-36B-962	21	36⅞"	41"	Included	NA
WA200-36LDB-962	WA202-36LDB-962				110-36A	5036-19-SDL (-SDP) (-SDV)
WA200-42B-962	WA202-42B-962	24	42⅛"	46¼"	Included	NA
WA200-42LDB-962	WA202-42LDB-962				110-42A	5042-19-SDL (-SDP) (-SDV)
WA200-61B-962	WA202-61B-962	35	61⅜"	65½"	Included	NA
WA200-61LDB-962	WA202-61LDB-962				110-61A	5061-19-SDL (-SDP) (-SDV)
WA200-70B-962	WA202-70B-962	40	70⅛"	74¼"	Included	NA
WA200-70LDB-962	WA202-70LDB-962				110-70A	5070-19-SDL (-SDP) (-SDV)
WA200-77B-962	WA202-77B-962	44	77⅛"	81¼"	Included	NA
WA200-77LDB-962	WA202-77LDB-962				110-77A	5077-19-SDL (-SDP) (-SDV)

*Listed panel opening allows 1/16" clearance at top and bottom (1/8" total). Welded Models are UL listed under Standard 1678.

SOLID, VENTED & PLEXI DOORS FOR STANDARD SERIES

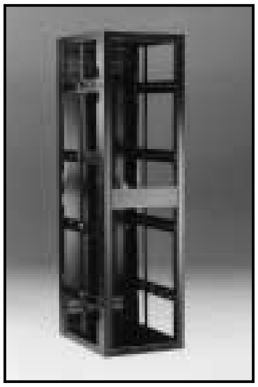
110-77A-962

5077-19-SDP-962

110/5000SDV/5000SDP Series. Optional surface-mounting front doors provide secured access for 19" Standard Series cabinets. Series 110 is a 16-ga. CRS door with lock, keys, handle and mounting hardware for right or left-hand hinging. Series 5000SDV is fully perforated and specifically designed to accommodate airflow requirements of power amplifiers and electronics with front-mounted intake fans. Series 5000SDP is an attractive acrylic plex door that allows for visual monitoring of equipment mounted in cabinets. It includes a full-length smoked acrylic plex panel within a reinforced 16-ga. CRS frame, two hinges with removable hinge pins, lock, handle, mounting hardware and keys. All surface doors are keyed the same yet different than flush doors.

SOLID DOORS	PLEX DOORS	VENTED DOORS	PANEL OPENING*	MOUNTS CABINET MODEL SERIES
110-36A-962	**5036-19SDP-962**	**5036-19SDV-962**	36⅞" (21 RU)	(WA)100-36, WA200-36LD, WA202-36LD, 500-36, 502-36
110-42A-962	**5042-19SDP-962**	**5042-19SDV-962**	42⅛" (24 RU)	(WA)100-42, WA200-42LD, WA202-42LD, 500-42, 502-42
110-61A-962	**5061-19SDP-962**	**5061-19SDV-962**	61⅜" (35 RU)	(WA)100-61, WA200-61LD, WA202-61LD,500-61, 502-61, 503-61
110-70A-962	**5070-19SDP-962**	**5070-19SDV-962**	70⅛" (40 RU)	(WA)100-70, WA200-70LD, WA202-70LD, 500-70, 502-70, 503-70
110-77A-962	**5077-19SDP-962**	**5077-19SDV-962**	77⅛" (44 RU)	(WA)100-77, WA200-77LD, WA202-77LD, 500-77, 502-77, 503-77

502-70B-962



503-77B-962
Shown with shipping panel S19-5.

502-70B-962
(2) Shown with ⅝" W side panel mounted to 4" W wire channel (left), 4" W wire channel (middle) and ⅝" W side panel (right).

WELDED RACKS FOR MULTI-BAY CONFIGURATION

500/502/503 Series. Sturdy welded racks feature 16 ga. CRS welded frames in 18½", 25½" or 30" depths (respectively), standard panel space heights and 19" widths. Designed with open sides for easy wiring access in single or multi-bay configurations. Racks offer superior wire management, ventilation and styling. Series 500 has 17¼" usable depth, Series 502 provides for 24¾" usable depth, and Series 503 has 28¾" in usable depth. The Series is UL-listed and shipped with a flush-mounting, removable rear door (right or left-hand hinging) with lock, and adjustable mounting rails. Series 500 and 502 include one pair of 11 ga. CRS adjustable mounting rails tapped 10-32; Series 503 includes two pair of rails.

Wire management and ventilation features include maximum cabling and cooling opportunities via a standard panel width opening in the cabinet top and bottom. The panel opening may be covered with a standard 5¼" (3RU) panel Model S19-5*, the ISOPANEL (a non-conductive polymer panel to facilitate isolation of the rack from the building's electrical system), or exhaust fan Model ES195-122 (121). Optional center wiring channel features an open bottom and 4" width for easy cable access and wiring between cabinets. Unique side panel/center channel combination creates a convenient enclosed 4" wide wire management area. Mounting rail supports have slotted holes to adjust rail depth and provide open cable raceways. Supports are also on 19" panel spacing to accommodate vertical accessory mounting. Punched vents located at the cabinet top and bottom front edge may be covered with standard panels to control air handling.

* Note: One Model S19-5, painted black, is mounted to each cabinet as a shipping stiffener.

OPTIONAL ACCESSORIES.

110/5000, -SDP & -SDV, Series Surface-Mount Front Doors. Series 110 doors are 16-ga. CRS with lock, keys, door pull and mounting hardware for right or left-hinging. Attractively-styled 5000 Series doors are available in perforated (SDV) and Full-length smoked plexiglass panel mounted into a 16-gauge CRS frame (SDP). Doors come complete with two hinges, removable hinge pins, lock, door pull, mounting hardware and keys. Doors provide 1⁵⁄₁₆" minimum clearance from rail for knobs/handles

540/542/543 Series 5⁄8" Wide Side Panels. Series 540, 542, and 543 lift-off, vented side panels are offered for enclosing 500, 502 and 503 Series cabinets, respectively. Side panels may also be used to enclose a 522 or 523 Series wire channel to create a closed extra-depth side panel. To install, simply connect side panel supports (included) to the channel and hook side panel over supports.

522/523 Series 4" Wide Wiring Channel. Four-inch wide wiring channels are great for single or multi-bay installations that require extensive wire management. The 522 and 523 Series mount the 502 Series (25½"D) and 503 Series (309D) racks respectively. The channel provides a four-inch wide wiring raceway and may be used between two cabinets or on the side when combined with a standard ⅝" wide side panel to enclose the wire management area. The three-piece channel series is 16-ga. CRS and assembles in place with supplied hardware. The open bottom design provides ample cable access. Channels are offered in sizes to fit each 502 and 503 Series cabinet and are sold as single units.

230/235 Series Mounting Rails. Eleven-gauge CRS mounting rails are tapped 10-32 on E.I.A. spacing (⅝"–⅝"–½"continuous centers) painted black. One set is supplied with Series 500 and 502 racks, two sets are supplied with Series 503. Additional rails are offered to provide front and rear support to equipment mounted in Series 500 and 502.

500/502/503 SERIES RACK FRAMES

MODEL			RACK UNIT	PANEL SPACE*	OUTSIDE DIMENSIONS	
18½"D	25½"D	30" D			HEIGHT	WIDTH
—	**502-36B-962**	**—**	21	36⅞"	41"	22⁵⁄₁₆"
500-42B-962	**502-42B-962**	**—**	24	42⅛"	46¼"	22⁵⁄₁₆"
500-61B-962	**502-61B-962**	**503-61B-962**	35	61⅜"	65½"	22⁵⁄₁₆"
500-70B-962	**502-70B-962**	**503-70B-962**	40	70⅛"	74¼"	22⁵⁄₁₆"
500-77B-962	**502-77B-962**	**503-77B-962**	44	77⅛"	81¼"	22⁵⁄₁₆"

* Listed panel opening allows ¹⁄₁₆" clearance at top and bottom (⅛" total).

500/502/503 OPTIONAL SERIES ACCESSORIES

BASIC RACK	OPTIONAL FRONT DOOR SOLID	PLEX	PERF	OPTIONAL SIDE PANELS 5/8" W (pair)	OPTIONAL 40 W WIRING CHANNEL (EA.)	*ADD'L MOUNTING RAILS (PR.)
502-36B-962	110-36A	5036 (-SDP)	(-SDV)	**542-36B-962**	**522-36BCH-962**	230-36BT
500-42B-962	110-42A	5042 (-SDP)	(-SDV)	**540-42B-962**	—	230-42BT
502-42B-962	110-42A	5042 (-SDP)	(-SDV)	**542-42B-962**	**522-42BCH-962**	230-42BT
500-61B-962	110-61A	5061 (-SDP)	(-SDV)	**540-61B-962**	—	230-61BT
502-61B-962	110-61A	5061 (-SDP)	(-SDV)	**542-61B-962**	**522-61BCH-962**	230-61BT
503-61B-962	110-61A	5061 (-SDP)	(-SDV)	**543-61B-962**	**523-61BCH-962**	235-61BT
500-70B-962	110-70A	5070 (-SDP)	(-SDV)	**540-70B-962**	—	230-70BT
502-70B-962	110-70A	5070 (-SDP)	(-SDV)	**542-70B-962**	**522-70BCH-962**	230-70BT
503-70B-962	110-70A	5070 (-SDP)	(-SDV)	**543-70B-962**	**523-70BCH-962**	235-70BT
500-77B-962	110-77A	5077 (-SDP)	(-SDV)	**540-77B-962**	—	230-77BT
502-77B-962	110-77A	5077 (-SDP)	(-SDV)	**542-77B-962**	**522-77BCH-962**	230-77BT
503-77B-962	110-77A	5077 (-SDP)	(-SDV)	**543-77B-962**	**523-77BCH-962**	235-77BT

* One pair of mounting rails is supplied on 500 and 502 Series. Two pair are supplied on 503 Series.

CABINETS WITH CASTERS & SIDE HANDLES FOR MOBILE USE

RX Series. Sturdy mobile equipment cabinets have been re-designed to offer increased mounting-depth and improved wire-management capabilities in an easily transportable protective cabinet. Construction is similar to the recently re-designed WA202B Series with the addition of four, pre-installed 4"casters (2 locking) and a pair of recessed and hinged, rubber-padded steel grips on each side. RX Series Models feature three wire access/isolation holes in the bottom of the rear panel and a solid base. Dimensions are 22 5/16" W x 25½" D; offering vertical panel space heights of 24⅝" and 36⅞". Cabinet features; a 16-ga. CRS welded frame; adjustable, front-to-rear mounting rail supports with slotted cut-outs for vertical wire management; perforated vents on side panels and rear door; a 600 lb. load capacity; a locking rear door and a locking and removable front door.

MODEL	RACK UNIT	PANEL OPENING*	HEIGHT		WEIGHT	OPTIONAL REAR RAILS
			CABINET	WITH CASTERS		
RX1-24B-052	14	24 5/8"	28 13/16"	33 9/16"	98 lbs.	–
RX1-36B-052	21	36 7/8"	41 1/16"	45 13/16"	121 lbs.	230-36BT-052

* Listed panel opening allows 1/16" clearance at top and bottom (⅛" total).

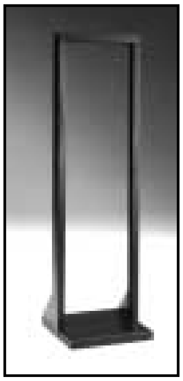
RX1-36B-962

OPEN RACK WITH ADJUSTABLE CHANNEL RAILS

800 Series. 800 Series racks instill stability, economical and easy access are desired for 19 (wide usage for electronic, telecommunications, switching, testing, signal and transmitter equipment). Rigid frames feature easy-to-adjust channel rails that position on center, front or rear, to effectively support equipment of varying weights. Mounting rails are 11-gauge CRS, tapped 10-32 on E.I.A. spacing. Base will accept four optional casters (Model CS-LDPR, sold in pairs) or leg levelers (Model LL-1, sold in sets of four). Outside dimensions are 21 13/16" W x 21" D. Components are shipped unassembled in two cartons.

MODEL	RACK UNIT	PANEL OPENING*	HEIGHT	BASE DEPTH	WIDTH
800-36-052	21	36 7/8"	40 7/8"	21"	21 3/16"
800-42-052	24	42 1/8"	46 1/8"		
800-61-052	35	61 3/8"	65 3/16"		
800-70-052	40	70 1/8"	74 1/8"		
800-77-052	44	77 1/8"	81 1/8"		

* Listed panel opening allows 1/16" clearance at top and bottom (⅛" total).


800-77-052

EASY-TO-ASSEMBLE, STACKABLE UTILITY FRAMES

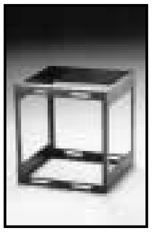
900 Series. Versatile frames are engineered for easy-to-assemble, strength and shipping/storage economies. Innovative units assemble and stack easily for mounting electronics in custom cabinet enclosures or free-standing situations. They are ideal for theater, residential, broadcast and retail applications, where easy access to equipment mounted, "behind the scenes", is desired. This frame-only design allows full use of all vertical panel space for equipment mounting and is intended for permanent installation where doors, side panels and casters are not required. (Custom side panels may be added).

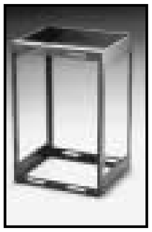
The 900 Series frames are offered in 17½" and 26¼" panel space heights. Model 900-19 is 21¼" tall and offers 10 rack units of vertical panel space. All (4) rails are tapped. Model 900-28(P) is 300 tall and offers 15 rack units of vertical panel space. (Usable panel space becomes 11 and 16 rack units, respectively, with removal of the optional top horizontal member.) All models can be stacked and ganged in the combinations outlined below. The vertical stacking process is easily accomplished — simply stack the rail members and join them using the front-to-rear members as splice plates. (All necessary hardware is furnished.) Units can also be joined "side-by-side" using the predrilled holes in the front-to-rear frame members and owner-supplied hardware. (These pre-drilled holes can also be used to mount custom side panels.)

The corner post rails of Models 900-19 and 900-28 are manufactured of 11-ga. CRS, drilled and tapped for EIA mounting. Three left-to-right frame members are supplied. To complete the frame structure, one blank recessed 16-ga. CRS panel measuring 3½" (2RU) is included. This panel may be placed anywhere along the front or back side of the frame. The left-to-right frame members are 14-ga. CRS and offer cutouts for easy wire access and ¼" holes for bolting to floors (optional). They can also be used as handles to carry and/or re-position the frames (install the members in the desired direction). The front-to-rear frame members are 16-ga. CRS, to provide structural rigidity and to serve as splice plates when joining 900 Series units. They also are equipped with wire tie holes for wire bundle management.

Units are finished in black. Assemblies are shipped knocked-down in a compact carton suitable for UPS shipment. Hardware bag containing black screws and washers is furnished.

900 Series
Stackable Utility Frames


900-19-052


900-28-052

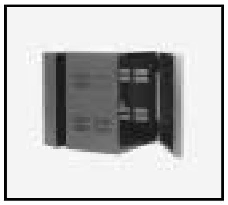
BASIC FRAME	AS OFFERED		WITH MEMBER REMOVED		HEIGHT	DEPTH	WIDTH
	RU	PANEL SPACE	RU	PANEL SPACE			
900-19-052	10	17 1/2"	11	19 1/4"	21 1/4"	180	19 1/4"
900-28-052	15	26 1/4"	16	280	300	180	19 1/4"

STACKED FRAME COMBINATIONS	TOTAL RU*	TOTAL PANEL SPACE	OVERALL HEIGHT	DEPTH	WIDTH
(2) **900-19-052**	22	38 1/2"	42 1/4"	18"	19 1/4"
(1) **900-19-052**, (1) **900-28-052**	27	47 1/4"	51'		
(2) **900-28-052**	32	56"	59 3/4"		
(3) **900-19-052**	34	59 1/2"	63 1/4"		
(2) **900-19-052**, (1) **900-28-052**	39	68 1/4"	72"		
(1) **900-19-052**, (2) **900-28-052**	44	77"	80 3/4"		

* Total RU has been calculated with horizontal members between units removed.

(2) 900-19-052 Stacked

300/320/340 SERIES 19" SECTIONAL WALL CABINETS



320-21B-962

340-42B-962

- *Wall Mounted Electronic Controls and Equipment Save Valuable Floor Space*
- *Choose From Models with Spacious Center Sections of 12", 15" or 18" Depth*
- *Versatile Right-Hinging Assemblies May Be Inverted for Left-Hinging Applications*
- *Heavy-Duty Corner Braces Provide Structural Support and Wire Harnessing Capabilities*
- *Side Vents Dissipate Equipment-Generated Heat*
- *Multiple-Size Conduit Knockouts Assure Easy Wiring Access*
- *Includes One Pair 11-Gauge CRS Adjustable Mounting Rails Tapped 10-32 with Hardware*

SECTIONAL WALL CABINETS FOR 19" EQUIPMENT

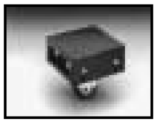
These pre-assembled sectional wall-mount cabinets feature right or left-hand hinging capability and offer full functional and mechanical flexibility for mounting standard 19" W rack equipment. Cabinets have been engineered to offer increased mounting, wiring and structural capabilities. Feature center section depths of 12", 15" and 18", respectively; and rear mounting section depth of 4½". 300 Series models are used to protect electronic switching, monitoring, lighting, sound and communications controls in venues such as; school auditoriums, health care facilities, clubs, factories, warehouses, public areas and recreation areas.

Structural and mounting features include: 16-ga. CRS construction throughout; one-piece front and rear sections strengthened with frame flanges on bottom, top and sides; center section with corner-brace structural supports, a center section guide plate, electric-welded seams and miters; punched vents for heat dissipation and 11-ga. adjustable front-to-rear mounting rails. The center section mounting rail supports also have slotted cutouts, to easily adjust rail depth and provide open raceways for containing vertically run wire and cable. Corner brace supports, which straddle the back and side panel of the rear section (hinge-side), also feature round wire access holes for harnessing excess wire. All 300B, 320B and 340B Series models have 20 conduit knockouts, except Model 300-12B which has 16. Provisions have been added to facilitate contractor installation of plywood for mounting accessories to inside of rear section if desired. Rear section also includes removable pin-type hinges allowing it to be installed separately in a surface or recessed manner.

300B/320B/340B Series (with 2" deep solid front door). Cabinets ship with the solid Series SD 2" deep steel front door with cylinder lock.

300LDB/320LDB/340LDB Series (without front door). This series of models can accept the optional 4" deep 304 Series steel doors or optional 2" deep 302V Series vented steel doors or 302P Series door with plexiglass front.

Optional 302/304B Series Doors. Will fit all Series 300LDB, 320LDB and 340LDB cabinets:
2" Deep Series 302 doors are available with plexiglass (P), vented steel (V) or solid steel (SD) front.
2" Deep Series SD doors are identical to Series 300B, 320B and 340B standard 2" cabinet doors.
4" Deep Series 304B doors provide clearance for equipment with full-grip handles & protruding knobs.

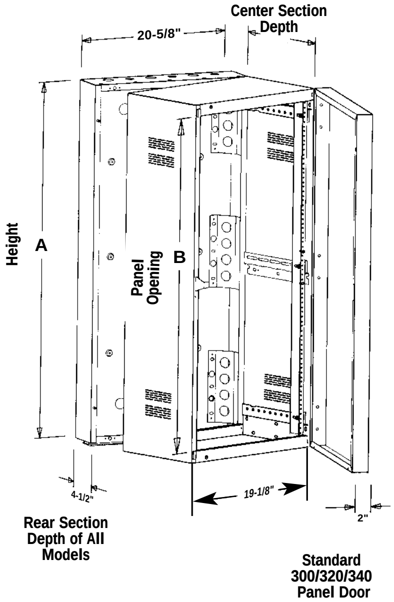


CT31-A

EJL-2

CT31A. Optional heavy-duty casters, support and reduces the load bearing requirements of the wall, by supporting the center section weight when opened and closed (typically used on 61" H models). Cabinet must be mounted 6" from the ground. Support is constructed of formed, 14-ga. steel and includes heavy-duty, zinc-plated caster with a black, hard-tread wheel. Adjusts in height from 5½"–7½" and is supplied with drilling template for easy installation. Finished in black.

EJL-2. Replacement latch-bracket for security applications features a standard-size hole to accommodate customer-supplied ¼" padlock. Bracket is constructed of 11-ga. CRS and mounts into existing latch holes after standard lock is removed.


Center Section Depth
20-5/8"
Height
A
Panel Opening
B
4-1/2"
19-1/8"
2"
Rear Section Depth of All Models
Standard 300/320/340 Panel Door

12" CTR. MODELS		PANEL		CAB O.D.		SEC DEPTH		OPTIONAL DOOR**	
W/DOOR	W/O DOOR	OPNG*	RU	W	H	REAR	CNTR	4" Deep	2" Deep†
300-12B-962	N/A	12¼"	7	20⅝"	15¼"	4½"	12"	—	302-12SD-062
300-17B-962	300-17LDB-962	17⅝"	10		20½"			304-17B-962	302-17(P)(V)(SD)-962
300-21B-962	300-21LDB-962	21⅛"	12		24"			304-21B-962	302-21(P)(V)(SD)-962
300-28B-962	300-28LDB-962	28⅛"	16		31"			304-28B-962	302-28(P)(V)(SD)-962
300-42B-962	300-42LDB-962	42⅛"	24		45"			304-42B-962	302-42(P)(V)(SD)-962
300-61B-962	300-61LDB-962	61⅜"	35		64¼"			304-61B-962	302-61(P)(V)(SD)-962

15" CTR. MODELS		PANEL		CAB O.D.		SEC DEPTH		OPTIONAL DOOR**	
W/DOOR	W/O DOOR	OPNG*	RU	W	H	REAR	CNTR	4" Deep	2" Deep†
320-17B-962	320-17LDB-962	17⅝"	10	20⅝"	20½"	4½"	15"	304-17B-962	302-17(P)(V)(SD)-962
320-21B-962	320-21LDB-962	21⅛"	12		24"			304-21B-962	302-21(P)(V)(SD)-962
320-28B-962	320-28LDB-962	28⅛"	16		31"			304-28B-962	302-28(P)(V)(SD)-962
320-42B-962	320-42LDB-962	42⅛"	24		45"			304-42B-962	302-42(P)(V)(SD)-962
320-61B-962	320-61LDB-962	61⅜"	35		64¼"			304-61B-962	302-61(P)(V)(SD)-962

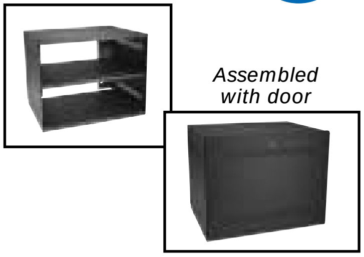
18" CTR. MODELS		PANEL		CAB O.D.		SEC DEPTH		OPTIONAL DOOR**	
W/DOOR	W/O DOOR	OPNG*	RU	W	H	REAR	CNTR	4" Deep	2" Deep†
340-17B-962	340-17LDB-962	17⅝"	10	20⅝"	20½"	4½"	18"	304-17B-962	302-17(P)(V)(SD)-962
340-21B-962	340-21LDB-962	21⅛"	12		24"			304-21B-962	302-21(P)(V)(SD)-962
340-28B-962	340-28LDB-962	28⅛"	16		31"			304-28B-962	302-28(P)(V)(SD)-962
340-42B-962	340-42LDB-962	42⅛"	24		45"			304-42B-962	302-42(P)(V)(SD)-962
340-61B-962	340-61LDB-962	61⅜"	35		64¼"			304-61B-962	302-61(P)(V)(SD)-962

* Listed panel opening allows 1⁄16" clearance at top and bottom (1⁄8" total). ** Mounts LDB Series only.
† Suffix model with P (plexiglass) or V (vented steel) or SD (solid steel).

WALL MOUNT SHELF/ENCLOSURE SYSTEM

WME150. WME150 wall mount shelves are perfect for limited-access of electronic equipment in convenience food stores, restaurants for audio/video control rooms, educational and institutional facilities, auditoriums, stadiums or venues where the convenience of locking security or open access and wall mounting of equipment is desired. Typical installations include supporting VHS recorders, amplifiers, TV/video monitors, tuners, SCA receivers, computer CPUs or other electronic equipment that is not rack mountable. Unit will support free standing 19" rack mount equipment. The enclosure, wall mounts on 16" centers; is 21" wide, wall mount, is constructed of 16-gauge CRS ends and 18-gauge shelves, (6) piece (bolt together with hardware) comes pre-drilled with four mounting holes for stud mounting to wall. Weight capacity of the shelf handles up to 150 lbs. Finished in standard #592 nutrual white textured powder coat paint.

MODEL	DIMENSION	WEIGHT CAPACITY	MOUNTING	WEIGHT
WME150-592	21” W x 16½” D x 16½” H (533 x 419 x 419 mm)	150 lbs.	Wall-Mount	35.5 lbs.



Assembled with door

WME150

WALL-MOUNT ENCLOSURE FOR 19" EQUIPMENT

600-12. Compact 16-ga. CRS assembly with 12⅜” vertical panel space is ideal for housing and protecting small 19” equipment installations from public view. It includes above listed features with locking front door and inside (usable) dimensions of 17¾” W x 14¾” D.

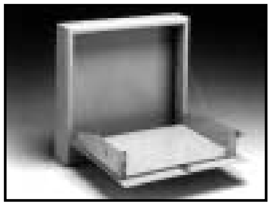
MODEL	RACK UNIT	PANEL OPENING*	CABINET			WEIGHT
			WIDTH	HEIGHT	DEPTH	
600-12-962	7	12⅜”	22 5/16”	15½”	15⅜”	45 lbs.

600-12-962

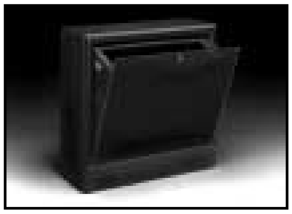
TILT-OUT WALL CABINETS FOR 19" EQUIPMENT

AWR Series. Convenient access and lock-in security highlights, Atlas-Sound’s tilt-out wall cabinets for 19” equipment. The re-designed welded models can be surface or recessed mounted (trim ring included) and are available in choice of 3½” (AWR-3A) and 5¼” (AWR-5A) panel space sizes for mounting remote amplifiers and control equipment. Series features a 16-ga. CRS formed door frame with a 16-ga. CRS locking tilt-out door which closes against door stops. The flush mounting door is attached to the frame internally with a piano hinge to prevent tampering. Doors can be opened to, two positions—tilt-out for operation and by releasing side catches, the door will open to approximately 90˚, for equipment installation and maintenance. Units are furnished with two steel safety-catch cables which suspend and hold doors at 90˚. Models offer 1½” wide, blank mounting space located on right side of chassis to accommodate custom mounting of accessories such as switches, jacks and lights. Front panels have 45-degree mitered edges to present a clean flush appearance. Backbox is 16-ga. CRS equipped with six concentric knockouts of ½” and ¾”. AWR Series is shipped complete and ready for installation. Panel mounting holes accept 10-32 hardware.

MODEL	RACK UNIT	PANEL SPACE	CABINET			WEIGHT	STYLE
			WIDTH	HEIGHT	DEPTH		
AWR-3A-592	2	19” x 3½” x 19½”	24⅛”	23⅛”	4”	35.6 lbs.	Surface or
AWR-5A-592	3	19” x 5¼” x 19½”	24⅛”	23⅛”	7¾”	42.6 lbs.	Recessed



AWR-3A-592
(fully extended)



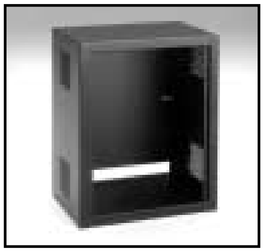
AWR-5A-592

WELDED & ASSEMBLED DESK TOP CABINETS

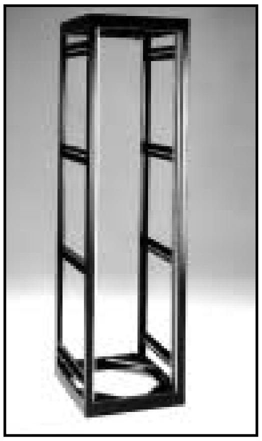
400 Series. Welded assemblies provide desk-top access to (19”) control and monitor equipment. Models are 16-gauge CRS and include one pair of mounting rails, tapped 10-32, hardware and wiring access below rear door or panel. Models 400-5 and 400-7 are low-height models with protective rubber feet and removable rear panel attached with “U” clips and bolts. Models 400-12 through 400-31 include locking rear door with spring-loaded hinge, side vents and optional front door with self-tapping screws. Inside (usable) dimensions are 17¾” W x 14⅛” D.

MODEL	RACK UNIT	PANEL OPENING*	CABINET				OPTIONAL FRONT DOOR	OPTIONAL FRONT DOOR WEIGHT
			WIDTH	HEIGHT	DEPTH	WEIGHT		
400-5-962	3	5⅜"	22⅛"	8½"	15⅜"	30 LBS.	NA	–
400-7-962	4	7⅛"		10¼"		33 LBS.	NA	–
400-12-962	7	12⅜"		15½"		36 LBS.	**400-12FD-962**	7 LBS.
400-17-962	10	17⅝"		20¾"		43 LBS.	**400-17FD-962**	10 LBS.
400-21-962	12	21⅝"		24¼"		48 LBS.	**400-21FD-962**	12 LBS.
400-24-962	14	24⅝"		27¾"		54 LBS.	**400-24FD-962**	14 LBS.
400-31-962	18	31⅝"		27¾"		63 LBS.	**400-31FD-962**	18 LBS.

* Listed panel opening allows 1/16" clearance at top and bottom (1/8" total).
** Protective rubber feet on Models 400-5 and 400-7 add 3/8" to overall height.

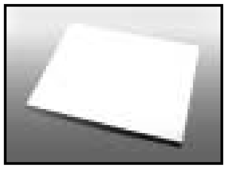


400-24-962

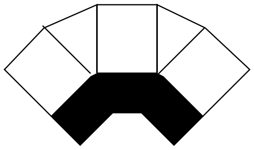


5077-19-25

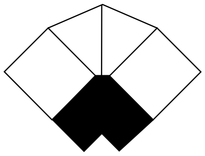
5070-45A/5036-45A



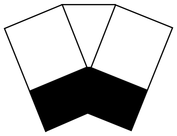
WS-1A



WS-CA/WS



WS-LA/WS



WS-VA/WS

SEVEN EASY ORDERING STEPS

Atlas Sound has developed an easy-order method for the popular Series 5000 heavy-duty vertical cabinet line. By following the ordering steps outlined below, contractors and engineers will be guided through the specifying and ordering process quickly. For detailed specifications, request SL10-1456.

❶ CABINET FRAMES IN 5 HEIGHTS & 3 DEPTHS

Series 5000T. UL Listed modular frames are available in; 19" panel width, a choice of six vertical panel openings from 36⅞" to 77⅛"; and a depth of 25½" or 30". (36" depth also available in 77" height only) Overall width is 22⅛". Each welded assembly is 14-ga. CRS with reinforced, multi-formed vertical corner column sections. Units are also equipped with two pair adjustable 11-ga. CRS mounting rails tapped 10-32 and 11-ga.. CRS corner caster gussets with four integral ⅜"–16 threaded sockets for leg leveler installation. (Order levelers separately.) Hardware kit for panel mounting is furnished (includes black phillips-head screws). Finished in highly durable #962 midnight black wrinkle powder coat finish.

25½" D* MODEL	30" D* MODEL	36" D* MODEL	PANEL OPENING**	RACK UNIT	OVERALL HEIGHT
5036T-19-25-962	**5036T-19-30-962**	-	36⅞"	21	42⅞"
5042T-19-25-962	**5042T-19-30-962**	-	42⅛"	24	48⅛"
5061T-19-25-962	**5061T-19-30-962**	-	61⅜"	35	67⅜"
5070T-19-25-962	**5070T-19-30-962**	-	70⅛"	40	76⅛"
5077T-19-25-962	**5077T-19-30-962**	**5077T-19-36-962**	77⅛"	44	83⅛"

❷ 45° WEDGES FOR 25½" & 30" DEEP CABINETS

Wedge cabinets provide an attractive installation of 25½" D and 30" D. (77"H only) vertical cabinets in angled multi-bay configurations. Each 45° assembly is welded of 16-ga. CRS construction with formed top. Two 45° units may be joined for 90° applications. Base wedge component is reinforced with 14-ga. CRS front-to-rear channel members and furnished with a locking rear door. All other stacked wedge components include a solid rear panel.

TO MATCH FRAME	ORDER MODEL	TO MATCH FRAME	ORDER MODEL
5036T-19-25-962	**5036-45A-962**	5070T-19-25-962	**5070-45A-962**
5042T-19-25-962	**5042-45A-962**	5077T-19-25-962	**5077-45A-962**
5061T-19-25-962	**5061-45A-962**	5077T-19-30-962	**5077-45A-30-962**

❸ WRITING SURFACES

WS Series. New attractive 1" thick writing surfaces are offered in seven sizes and feature a white laminate over solid particle board construction. Version "A" offers an oak trimmed front edge, which provides 18" of writing area. Units mount to cabinet frame with support brackets and hardware (supplied) for secure and distributed load-bearing capability. One 1¾" blank panel (Model S219-1) is furnished for closure under the writing surface. Specify panel and bracket color match cabinet frame. Units may be used alone or combined with other models to accommodate multiple cabinet configurations. Writing surfaces use only 1 RU of panel space when installed on 5022 models (the installed writing surface covers the top horizontal frame member). Writing surfaces require 3 RU for all other Series 5000 models. Note: order one S219-5 panel (3 RU) to close the space under the writing surface when mounting frame Models 5036 – 5077 (and discard the supplied S219-1 panel).

NON-ANGLED CONFIGURATION	OAK TRIM*
1-bay	**WS-1A***
2-bay	**WS-2A***
3-bay	**WS-3A***
4-bay	**WS-4A***

ANGLED CONFIGURATION	OAK TRIM*
3-bay, Angled 2-bay, Angled 90°	**WS-CA**** **WS-LA****
2-bay, Angled 45°	**WS-VA****

* WS Series uses 1 RU of panel space for installation on 5022 models, 3 RU on Models 5036 – 5077 (order panel S219-5 for closure). Suffix model with color designation for brackets in order to match cabinet frame.

Writing Surface continued top of next page.

❸ WRITING SURFACES (CONT'D)

SMS Series. Single-bay writing surfaces are available in horizontal or sloped styling. The sloped model includes a padded front for increased operator comfort. Both models feature heavy-duty steel frame construction with full-length welded rails for excellent load-bearing capability. Insert support rails are equipped with mounting holes on E.I.A. universal spacing for rack mounting equipment (up to 7 RU, 12¼"). Height restriction of equipment mounted in Model SMS-19H is 4¾"; in Model SMS-19A is 2¼". Choose from a white or woodgrain laminate insert (required; ordered separately). Shipped complete with hardware kit. Specify color to match cabinet frame. Both models use 1 RU of panel space for installation on 5022 models and 3 RU for all other models.

NON-ANGLED CONFIGURATION	ORDER MODEL*
1-bay, Sloped	**SMS-19A-962****
1-bay, Horizontal	**SMS-19H-962****

INSERT STYLE	ORDER MODEL
Woodgrain	**TKS**
White	**WHS**

*SMS Series uses 1 RU of panel space for installation on 5022 models, 3 RU on Models 5036 – 5077.
**Specify white (WHS) or woodgrain (TKS) insert.

SMS-19A

SMS-19H

❹ TOP & BOTTOM PANELS

5000 Series top & bottom panels offer protection for console contents, from dust and tampering by ordering the appropriate top and bottom panel for each cabinet frame. Top panels are offered in solid or perforated styling. Perforated panels are offered to dissipate equipment-generated heat and are equipped with ⅛" dia. holes on 3⁄16" staggered centers for a 40% open ventilation area. Bottom panels are available in solid design only. All panels feature CRS construction. (TPS models are 16-ga.; TPP models are 22-ga.; BPS models are 14-ga.) Consider using EFT Series turbo fans in place of top panels for added ventilation. (see Cooling Accessories later in this section).

TO MATCH FRAME SIZE	TOP PANELS		OPTIONAL FAN	BOTTOM PANELS
	SOLID	PERFORATED		SOLID
25½" D	**TPS-19-25-962**	**TPP-19-25-962**	**EFT19-25-962**	**BPS-19-25-962**
30" D	**TPS-19-30-962**	**TPP-19-30-962**	**EFT19-30-962**	**BPS-19-30-962**
36" D	**TPS-19-36-962**	**N/A**	**N/A**	**N/A**

❺ SIDE PANELS (SOLD IN PAIRS)

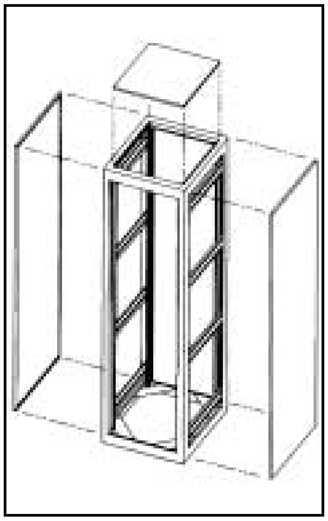
Choose from solid or vented surface-mounting side panels featuring 18-ga. CRS construction with welded corners. Panel pairs are offered for both the 25½" and 30" D Series 5000 cabinets and add ⅝" of width to each side of the cabinet configuration. Panel pairs are engineered to provide lift-off access to equipment, as well as security when fastened in place. One panel set includes a complete pair for each side of a cabinet; if specifying a multi-bay configuration, split the set among the two end consoles. Finished in highly durable #962 midnight black wrinkle powder coat finish.

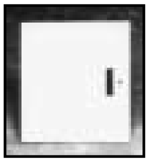
TO MATCH 25½" D FRAME MODEL	SIDE PANELS		VERTICAL PANEL OPENING*
	SOLID	VENTED	
5036(T)-19-25	**5036-25-LRP**	**5036-25-LRPV**	36⅞"
5042(T)-19-25	**5042-25-LRP**	**5042-25-LRPV**	42⅛"
5061(T)-19-25	**5061-25-LRP**	**5061-25-LRPV**	61⅜"
5070(T)-19-25	**5070-25-LRP**	**5070-25-LRPV**	70⅛"
5077(T)-19-25	**5077-25-LRP**	**5077-25-LRPV**	77⅛"

TO MATCH 30"D FRAME MODEL	SIDE PANELS		VERTICAL PANEL OPENING*
	SOLID	VENTED	
5036-19-30	**5036-30-LRP**	**5036-30-LRPV**	36⅞"
5042-19-30	**5042-30-LRP**	**5042-30-LRPV**	42⅛"
5061-19-30	**5061-30-LRP**	**5061-30-LRPV**	61⅜"
5070-19-30	**5070-30-LRP**	**5070-30-LRPV**	70⅛"
5077-19-30	**5077-30-LRP**	**5077-30-LRPV**	77⅛"

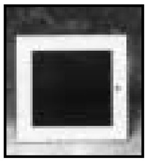
TO MATCH 36"D FRAME MODEL	SIDE PANELS SOLID	VERTICAL PANEL OPENING*
5077-19-36	**5077-36-LRP**	77⅛"

* Listed panel opening allows 1/16" clearance at top and bottom (1/8" total).


Top and Side Panels



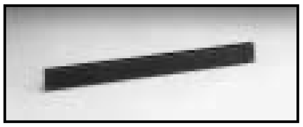
5022-19-SD



SDP19

5022-19-FD

S219-22



DAP-19

5077-19-SDP

⑥ PANEL/DOOR ASSEMBLIES

Surface Doors. SD Series doors mount to cabinet frame and are typically used in front-mounting installations where rack-mounted electronics have protruding knobs or handles. Models provide 15/16" for handle clearance. Choose from solid, smoked acrylic plex or perforated vent styling where noted. Doors are 16-ga. CRS and include cylinder lock and recessed handle. (All surface doors are keyed the same.) Doors are equipped with quick-release hinges and removable pins for easy door removal. Also included is a template for field installation. (Customer is required to drill mounting holes for surface doors which may be hung for right or left-hand opening and closure.) Models SD19 and SDP19 are short doors designed for writing surface applications and include one, 1¾" panel (Model S219-1) for closure.

Flush Doors. Series 5000-FD flush doors mount in the panel space opening, flush-to-frame and are intended for rear installation. Models are available as solid or vented top and bottom. Doors are 16-ga. CRS construction and include cylinder lock and recessed handle. (All flush doors are keyed the same). Doors are complete with spring-release hinges for easy removal. Cabinet is pre-drilled for right or left-hand door mounting. Available in a choice of standard colors. Model FD19 is a short door designed for writing surface applications and is shipped complete with one 1¾" door attachment panel (Model DAP-19) for closure.

DAP-19 Flush Door Attachment Panel. Use the DAP-19 to allow for a shorter 5000FD/FDL Series door, to be mounted on a taller cabinet (i.e. a 70" door on a 77" cabinet). This application is typical of installations that require rear wiring access. Unit will support the door by serving as the upper or lower closure panel. Model uses 1 rack unit for installation. A separate fill panel may also be ordered to cover excess space.

Flush Blank Panel. When a door is not required but closure is necessary for a 5022 cabinet, order solid panel Model S219-21 or S219-22 for writing surface and non-writing surface applications respectively. The units are 16-ga. CRS and formed on all four sides.

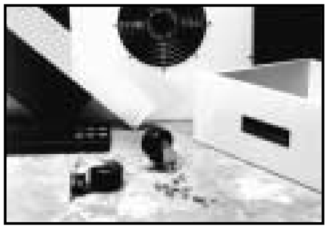
WRITING SURFACE APPLICATIONS***			
TO MATCH FRAME	**SURFACE DOORS**	**FLUSH DOOR**	**FLUSH BLANK PANEL**
Any Series 5000(T) Cabinet	**SD19**, Solid, SDV19, Vented **SDP19**, Acrylic Plex (all 11RU)	**FD19**, Solid (11RU)	**S219-21**, Solid (12RU)

NON-WRITING SURFACE APPLICATIONS***							
MATCH FRAME	**RU**	**SURFACE DOORS***			**FLUSH DOORS****		**PANEL**
		SOLID	**PLEX**	**VENTED**	**SOLID**	**VENTED**	**SOLID**
5022	13	**5022-19SD**	**(SDP)**	**(SDV)**	**5022-19FD**	**(FDV)**	**S219-22**
5036	21	**5036-19SD**	**(SDP)**	**(SDV)**	**5036-19FD**	**(FDV)**	–
5042	24	**5042-19SD**	**(SDP)**	**(SDV)**	**5042-19FD**	**(FDV)**	–
5061	35	**5061-19SD**	**(SDP)**	**(SDV)**	**5061-19FD**	**(FDV)**	–
5070	40	**5070-19SD**	**(SDP)**	**(SDV)**	**5070-19FD**	**(FDV)**	–
5077	44	**5077-19SD**	**(SDP)**	**(SDV)**	**5077-19FD**	**(FDV)**	–

*When mounting an SD Series door that is shorter than the panel opening (i.e. a 5022 door on a 5036 cabinet) consider ordering an optional S219-1 panel to close-off the opening above or below the door.

**Consider the optional DAP-19 attachment panel described above.

***Door installation will reduce available rack space by 1 RU (1¾").



Functional Add-Ons

⑦ FUNCTIONAL ADD-ONS

Choose from a variety of convenient, electronic and cooling accessories to create the configuration which best suits functional needs: casters (for single-bay applications), leg levelers (recommended with single or multi-bay configurations), solid or vented fill panels; shelves, drawers, power panels, fans and blowers. A complete listing of all accessories/add-ons is provided later in this section.

WHILE DESIGNING THE CABINET CONFIGURATION, ASK YOURSELF THE FOLLOWING QUESTIONS:

How many leg levelers should be ordered?

Will solid or perforated fill panels be needed for closure?

How many drawers and shelves will be needed?

Would fans help dissipate equipment-generated heat?

Will electrical strips, rack work lights or panels be required?

EIGHT EASY ORDERING STEPS

Atlas Sound has reconfigured its Series VI heavy-duty stacking modular console line for easier ordering convenience. Simply follow the eight ordering steps outlined below. For detailed specifications request SL10-1528 and SL10-1529.

❶ CONSOLE FRAME ASSEMBLIES WITH REMOVABLE REAR PANELS

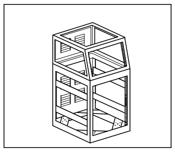
Frame Construction. Choose from (9) heavy-duty, 14-ga. CRS assemblies, offering 19" W panel space. All consoles feature; multi-formed vertical column sections and MIG welding for superior rigidity and load-bearing capability. The base component of all models are reinforced with 11-ga. CRS corner caster gussets and four, front-to-rear channel members. Four integral ⅜–16 threaded sockets are provided for leg leveler installation (order separately). Hardware kit for panel mounting is furnished (includes black Phillips head screws and cage nuts). Louvered rear panels are included for closure; these may be replaced by doors, fans, or other panels.

Mounting Rails. All rails are punched on E.I.A. universal spacing with .281 dia. holes on ⅝"-⅝"-½" continuous centers. Each base component supplied with 2-pair, 14-ga. CRS adjustable zinc-plated rails. All other frame components have fixed, 14-ga. CRS front and rear rails.

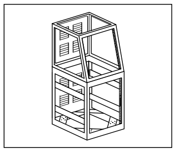
MODEL	INCLUDES	PANEL OPENING*	RACK UNIT**	OUTSIDE DIMENSIONS***	PIECE-PART EQUIV.****
SMB-AN-962	Size 10 Slope/15° w/Louvered Rear Panel	10⅝"	6	42" H x 22⅛" W x 25½" D	SMS10-19-25-962 S219-10L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-BN-962	Size 19 Slope/15° w/Louvered Rear Panel	19⅜"	11	50½" H x 22⅛" W x 25½" D	SMS19-19-25-962 S219-19L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-CN-962	Low Slope/70° w/Louvered Rear Panel	22⅞"	13	39½" H x 22⅛" W x 25½" D	SMLP22-19-25-962 S219-7L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-DN-962	Size 14 Module w/Louvered Rear Panel	14⅛"	8	58⅝" H x 22⅛" W x 25½" D	SMA14-19-22-962 S219-14L-962
	Size 10 Slope/15° w/Louvered Rear Panel	10⅝"	6		SMS10-19-25-962 S219-10L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-EN-962	Size 10 Module w/Louvered Rear Panel	10⅝"	6	74½" H x 22⅛" W x 25½" D	SMA10-19-22-962 S219-10L-962
	Tilt Wedge/15°	0	0		SMW19-22-962
	Size 10 Module w/Louvered Rear Panel	10⅝"	6		SMA10-19-22-962 S219-10L-962
	Size 10 Slope/15° w/Louvered Rear Panel	10⅝"	6		SMS10-19-25-962 S219-10L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-FN-962	Size 19 Slope/15° (Inverted) w/Louvered Rear Panel	19⅜"	11	72¹⁄₁₆" H x 22⅛" W x 25½" D	SMS19-19-25-962 S219-19L-962
	Size 19 Slope/15° w/Louvered Rear Panel	19⅜"	11		SMS19-19-25-962 S219-19L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-GN-962	Size 10 Module w/Louvered Rear Panel	10⅝"	6	55⅛" H x 22⅛" W x 25½" D	SMA10-19-22-962 S219-10L-962
	Size 10 Slope/15° w/Louvered Rear Panel	10⅝"	6		SMS10-19-25-962 S219-10L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-HN-962	Size 14 Slope/15° w/Louvered Rear Panel	14⅛"	8	45⅜" H x 22⅛" W x 25½" D	SMS14-19-25-962 S219-14L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-IN-962	Size 14 Slope/15° (Inverted) w/Louvered Rear Panel	14⅛"	8	61⅞" H x 22⅛" W x 25½" D	SMS14-19-25-962 S219-14L-962
	Size 14 Slope/15° w/Louvered Rear Panel	14⅛"	8		SMS14-19-25-962 S219-14L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962
SMB-JN-962	High Slope/55° w/Louvered Rear Panel	22⅞'	13	45⅜" H x 22⅛' W x 25½" D	SMMP22-19-25-962 S219-14L-962
	Size 22 Base w/Louvered Rear Panel	22⅞"	13		SMB22-19-25-962 S219-22L-962

*   Listed panel opening allows 1/16" clearance at top and bottom (1/8" total).
** Writing surfaces will take up 1 RU of panel space for installation.
*** Inside dimensions (between rails) for all models: 173/4" W x 24" D.
**** Piece-part components have been replaced by new easy-order model numbers. They are still offered, however, later in this section.

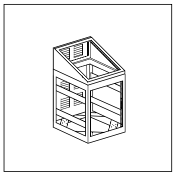
(2) Two-bay, fully accessorized consoles. Use the new Easy Ordering Steps to configure your own design.



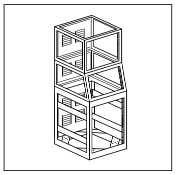
SMB-AN-962



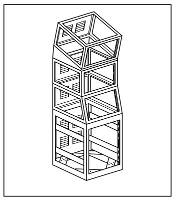
SMB-BN-962



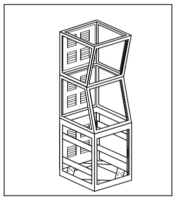
SMB-CN-962



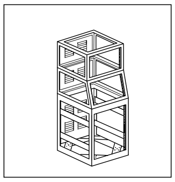
SMB-DN-962



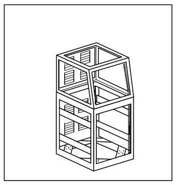
SMB-EN-962



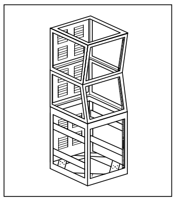
SMB-FN-962



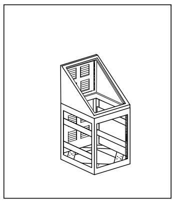
SMB-GN-962



SMB-HN-962



SMB-IN-962



SMB-JN-962

ORDERING TIPS!

- *This is the time to consider future expansion needs!*
- *Use the same frame assemblies next to one another to avoid combinations that are difficult to join*
- *Use the same frame style at each end of a multi-bay configuration (i.e. SMB-DN) to ease side panel ordering*
- *If you require a configuration not shown here, refer to Piece-Part Components later in this section.*

❷ 45° WEDGE CONFIGURATIONS

CW-2-962 CW-3-962 CW-1-962

CW Series. These 45° corner wedges are offered to create cabinet configurations that suit the user's needs and the physical space requirements. Two CW Series wedge units may be joined for 90° applications. All models are constructed of welded, 16-ga. CRS with a formed top. The base wedge component is reinforced with 14-ga. CRS front-to-rear channel members and furnished with a locking rear door. All other wedge components include a solid rear panel. Corner wedges are finished in a choice of standard colors. Optional wedge top panels are available, please refer to Top and Bottom Panels later in the Series VI section.

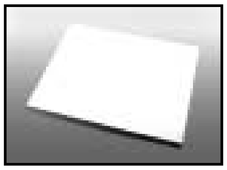
TO MATCH FRAME	EASY-ORDER MODEL	PIECE-PART EQUIVALENT*
SMB-AN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-BN	**CW-2-962**	SMC-B22-25, SMC-S19-25
SMB-CN	**CW-3-962**	SMC-B22-25, SMC-LP22-25
SMB-DN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-EN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-FN	**CW-2-962**	SMC-B22-25, SMC-S19-25
SMB-GN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-HN	**CW-4-962**	SMC-B22-25, SMC-S14-25
SMB-IN	**CW-4-962**	SMC-B22-25, SMC-S14-25
SMB-JN	**CW-5-962**	SMC-B22-25, SMC-MP22-25

TO JOIN FRAME MODELS**	EASY-ORDER MODEL	PIECE-PART EQUIVALENT*
SMB-AN to SMB-AN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-AN to SMB-DN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-AN to SMB-EN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-AN to SMB-GN	**CW-1-962**	SMC-B22-25, SMC-S10-25
SMB-BN to SMB-BN	**CW-2-962**	SMC-B22-25, SMC-S19-25
SMB-BN to SMB-FN	**CW-2-962**	SMC-B22-25, SMC-S19-25
SMB-CN to SMB-CN	**CW-3-962**	SMC-B22-25, SMC-LP22-25
SMB-HN to SMB-HN	**CW-4-962**	SMC-B22-25, SMC-S14-25
SMB-HN to SMB-IN	**CW-4-962**	SMC-B22-25, SMC-S14-25
SMB-IN to SMB-IN	**CW-4-962**	SMC-B22-25, SMC-S14-25

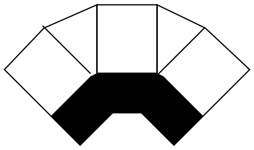
* Piece-part components have been replaced by new easy-order model numbers. They are still offered, however, to add functionality and custom capability to stocked assemblies. Refer to Piece-Part Components later in this section.

** These represent all standard combinations. Please contact the Engineering Dept., if your needs require other combinations.

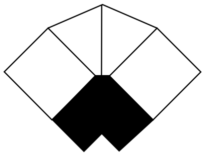
❸ WRITING SURFACES



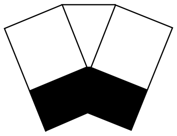
WS-1A



WS-CA/WS



WS-LA/WS



WS-VA/WS

WS Series. New attractive 1" thick writing surfaces are offered in seven sizes and feature a white laminate over solid particle board construction. "A" versions offer an oak trimmed front edge providing 18" of writing area. Units mount to cabinet frame with supplied support brackets and hardware for secure and distributed load-bearing capability, providing a minimum of 27⅞" above the floor and a maximum of 29⅞" with LL-2 leg levelers. One 1¾" blank panel (Model S219-1) is furnished for closure under the writing surface. Specify panel and bracket color to match cabinet frame. Units may be used alone or combined with other models to accommodate larger cabinet configurations. Writing surfaces use 1 RU of panel space for installation.

NON-ANGLED CONFIGURATION	OAK TRIM*
1-bay	**WS-1A****
2-bay	**WS-2A****
3-bay	**WS-3A****
4-bay	**WS-4A****

ANGLED CONFIGURATION	OAK TRIM*
3-bay, Angled	**WS-CA****
2-bay, Angled 90°	**WS-LA****
2-bay, Angled 45°	**WS-VA****

* WS Series uses 1 RU of panel space for installation.

SMS-19A-962

SMS-19H-962

SMS Series. Single-bay writing surfaces are available in horizontal or sloped styling. The sloped model includes a padded front for increased operator comfort. Both models feature heavy-duty steel frame construction with full-length welded rails for excellent load-bearing capability. Insert support rails are equipped with mounting holes on E.I.A., universal spacing for rack mounting equipment (up to 7 RU, 12¼"). Height restriction of equipment mounted in Model SMS-19H is 4¾"; in Model SMS-19A is 2¼". Choose from a white or woodgrain laminate insert (required; ordered separately). Shipped complete with hardware kit. Specify color to match cabinet frame. Both models use 1 RU of panel space for installation.

NON-ANGLED CONFIGURATION	EASY-ORDER MODEL*
1-bay, Sloped	**SMS-19A-962****
1-bay, Horizontal	**SMS-19H-962****

INSERT STYLE	EASY-ORDER MODEL
Woodgrain	**TKS**
White	**WHS**

* SMS Series uses 1 RU of panel space for installation.

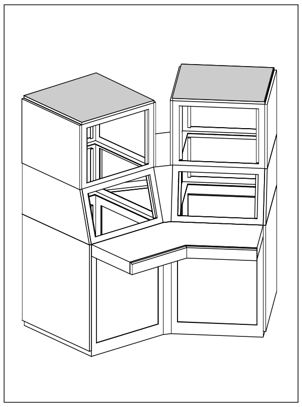
** Specify white (WHS) or woodgrain (TKS) insert.

❹ TOP & BOTTOM PANELS

TP/BPS Series. Protect console contents from dust and tampering by ordering the appropriate top and bottom panel for each cabinet frame. TP Series top panels feature solid CRS construction (TP1, TP2, and TP3 are 18-ga.; TP4 is 16-ga.) and add ⅝" to the overall cabinet height. BPS Series bottom panels are of 14-ga. CRS construction. Both model series are available in a choice of standard colors. Also listed are optional wedge top panels which ensure uniform height when SMB-AN and SMB-BN frames are positioned next to CW-1 and CW-2 wedge configurations. (Without an SMCT top panel, the cabinets will be slightly taller than the wedges.)

TO MATCH FRAME	EASY-ORDER TOP PANEL	REPLACES MODEL	EASY-ORDER BOTTOM PANEL	OPTIONAL WEDGE TOP PANEL*
SMB-AN*	**TP1-962**	SMT-19-22M	**BPS-19-25-962**	**SMCT10-25**
SMB-BN*	**TP2-962**	SMT-19-19M	**BPS-19-25-962**	**SMCT19-25**
SMB-CN	(Not required)	—	**BPS-19-25-962**	—
SMB-DN	**TP1-962**	SMT-19-22M	**BPS-19-25 -962**	—
SMB-EN	**TP1-962**	SMT-19-22M	**BPS-19-25-962**	—
SMB-FN	**TP4-962**	SMT-19-25M	**BPS-19-25-962**	—
SMB-GN	**TP1-962**	SMT-19-22M	**BPS-19-25-962**	—
SMB-HN	**TP3-962**	SMT-19-21M	**BPS-19-25-962**	**SMCT14-25**
SMB-IN	**TP4-962**	SMT-19-25M	**BPS-19-25-962**	—
SMB-JN*	(Not required)	—	**BPS-19-25-962**	—

* When combined in wedge configurations, use of a wedge top panel is recommended only if adjoining frame assembly is the same height.



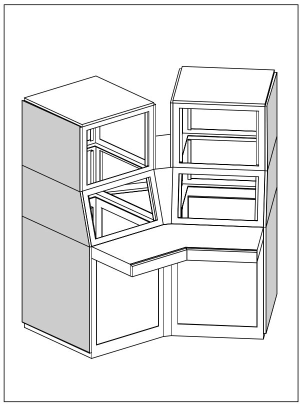
Top and Bottom Panels

❺ SIDE PANELS (SOLD IN PAIRS)

SP Series. These surface mounting side panel pairs feature solid 18-ga. CRS construction and add ⅝" of width to each side of the cabinet configuration. Panels secure from inside the cabinet for access protection. One panel set includes a complete pair for each side of a console; if specifying a multi-bay configuration, split the set among the two end consoles.

TO MATCH FRAME	EASY-ORDER MODEL	PIECE-PART EQUIVALENT*
SMB-AN	**SP-A-962**	(1) SMP22-25, (1) SMP10-25S
SMB-BN	**SP-B-962**	(1) SMP22-25, (1) SMP19-25S
SMB-CN	**SP-C-962**	(1) SMP22-25, (1) SMP22-25LP
SMB-DN	**SP-D-962**	(1) SMP22-25, (1) SMP10-25S, (1) SMP14-22
SMB-EN	**SP-E-962**	(1) SMP22-25, (1) SMP10-25S, (1) SMP22-W, (2) SMP10-22
SMB-FN	**SP-F-962**	(1) SMP22-25, (2) SMP19-25S
SMB-GN	**SP-G-962**	(1) SMP22-25, (1) SMP10-25S, (1) SMP10-22
SMB-HN	**SP-H-962**	(1) SMP22-25, (1) SMP14-25S
SMB-IN	**SP-I-962**	(1) SMP22-25, (2) SMP14-25S
SMB-JN	**SP-J-962**	(1) SMP22-25, (1) SMP22-25MP

* Piece-part components have been replaced by new easy-order model numbers. They are still offered, however, to add functionality and custom capability to stocked assemblies. Refer to Piece-Part Components later in this section.



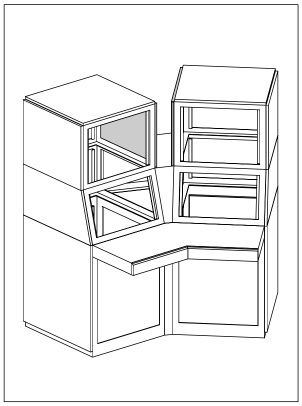
Side Panels
Order one set/pair to enclose your configuration.

❻ SIDE PANELS ABOVE WEDGE (SOLD IN PAIRS)

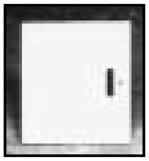
SPAW Series. These panel pairs provide the configuration with a consistent appearance by enclosing the cabinet sides when they extend above a wedge. One panel set includes a complete pair to be split among the two consoles which surround the wedge. SPAW Series panels feature solid 18-ga. CRS construction and add ⅝" of width to each side of the cabinet configuration. Panels are easily secured from inside the cabinet. SPAW Series models do not allow the use of an optional wedge top panel (the wedges do have a formed top).

TO MATCH FRAME	EASY-ORDER MODEL*	PIECE-PART EQUIV.**
SMB-AN	(Not required)	—
SMB-BN	(Not required)	—
SMB-CN	(Not required)	—
SMB-DN	**SPAW-D-962**	(1) SMP14-22
SMB-EN	**SPAW-E-962**	(1) SMP-22W, (2) SMP10-22
SMB-FN	**SPAW-F-962**	(1) SMP19-25S
SMB-GN	**SPAW-G-962**	(1) SMP10-22
SMB-HN	(Not required)	—
SMB-IN	**SPAW-I-962**	(1) SMP14-25S
SMB-JN	(Not required)	—

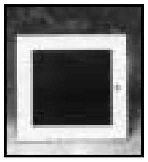
* SPAW Series models do not allow the use of an optional wedge top panel.
** Piece-part components have been replaced by new easy-order model numbers. They are still offered, however, to add functionality and custom capability to stocked assemblies. Refer to Piece-Part Components later in this section.



Side Panels Above Wedge
Order one set/pair to enclose area above wedge.



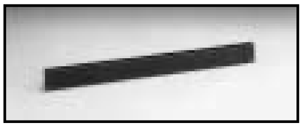
5022-19-SD



SDP19

5022-19-FD

S219-22



DAP-19

❼ PANEL/DOOR ASSEMBLIES

Surface Doors. SD Series doors are mounted to cabinet frames and are typically used in front-mounting installations where rack-mounted electronics have protruding knobs or when drawers and sliding shelves are utilized. Models provide $1\frac{15}{16}$" clearance from rail and are offered in solid, vented and smoked acrylic plex styling. Doors feature 16-ga. CRS construction and include cylinder lock and recessed handle. (All surface doors are keyed the same.) Doors are equipped with quick-release hinges and removable pins for easy door removal. Customer is required to drill all mounting holes and install the door for right or left-hand mounting. Available in a choice of standard colors. Models SD19 and SDP19 are designed for writing surface applications only and include one 1¾" panel (Model S219-1) for closure.

Flush Doors. Models FD19 and 5022-19-FD mount in the panel space opening, flush-to-frame and feature 16-ga. CRS construction, cylinder lock and recessed handle. (All flush doors are keyed the same.) Doors are complete with spring-release hinges for easy door removal. Cabinet is pre-drilled for right or left-hand hinging. Model FD19 is designed for use as a front door under a writing surface and is shipped complete with one 1¾" door attachment panel (Model DAP-19) for closure. Model 5022-19FD is typically used as a rear door but may be used as a front door when a writing surface is not required. Please be aware that flush doors are not compatible with drawers and sliding shelves.

Flush Blank Panels. When a door is not required but closure is necessary, order solid panel Models S219-21 or S219-22. Units are solid 16-ga. CRS and formed on all four sides.

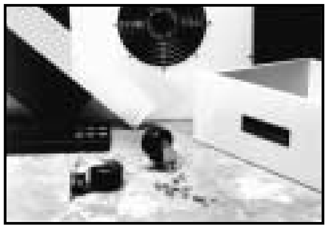
WRITING SURFACE APPLICATIONS*

TO MATCH FRAME	SURFACE DOORS	FLUSH FRONT DOOR	FLUSH BLANK PANEL
All Frames: SMB-AN through SMB-IN	**SD19-962**, Solid (11 RU) **SDP19-962**, Acrylic Plex (11 RU) **SDV19-962**, Vent (11 RU)	**FD19-962**, Solid (11 RU)	**S219-21-962**, Solid (12 RU)

NON-WRITING SURFACE APPLICATIONS*

TO MATCH FRAME	SURFACE DOORS	FLUSH DOOR	FLUSH BLANK PANEL
All Frames: SMB-AN through SMB-IN	**5022-19SD-962**, Solid (13 RU) **5022-19-SDP962**, Acrylic Plex (13 RU) **5022-19SDV-962**, Vent (11 RU)	**5022-19-FD-962**, Solid (13 RU)	**S219-22-962**, Solid (13 RU)

* Door installation will reduce available rack space by 1 RU (1¾")



Functional Add-Ons

❽ FUNCTIONAL ADD-ONS

Choose from a variety of convenient, electronic and cooling accessories to create the configuration which best suits functional needs: casters (for single-bay applications), leg levelers (recommended with single or multi-bay configurations), solid or vented fill panels; shelves, drawers, power panels, fans and blowers. A complete listing of all accessories/add-ons is provided later in this section.

WHILE DESIGNING THE CABINET CONFIGURATION, ASK YOURSELF THE FOLLOWING QUESTIONS:

How many leg levelers should be ordered?

Will solid or perforated fill panels be needed for closure?

How many drawers and shelves will be needed?

Would fans help dissipate equipment-generated heat?

Will electrical strips, rack work lights or panels be required?

ORDERING TIP!

- *Drawers and shelves may be used in place of doors or behind surface doors.*

See Functional Add-Ons on page 96

Piece-part components, are offered to add functionality and custom capability to in stock assemblies. A selection of stacking frame modules and add-on components are offered to allow you to design your own console for professional security/surveillance systems and for equipment used in communications, energy management, simulation, process control and computer integrated manufacturing operations. Mix-and-match the components as you like.

WELDED FRAME MODULES

Frame Construction. These superbly engineered frames are constructed of MIG-welded, 14-ga. CRS for easy modular configuration and long-lasting structural integrity. All frame components feature multi-formed vertical column sections for superior rigidity and load-bearing capability. The base component is reinforced with 11-ga. CRS corner caster gussets and four front-to-rear channel members. Four integral ⅜ -16 threaded sockets are provided for leg leveler installation (order separately). Hardware kit for panel mounting is furnished (includes black Phillips head screws and cage nuts).

Mounting Rails. All rails are punched on E.I.A. universal spacing with .281 dia. holes on ⅝"-⅝"-½" continuous centers. Base component is supplied with 2-pair, 14-ga. CRS adjustable zinc-plated rails. All other frame components have fixed, 14-ga. CRS front and rear rails.

Appearance/Finish. Welded assemblies provide a professional high-quality image. All exterior weld joints are ground smooth for an uninterrupted, seamless appearance. Frames are finished in a choice of standard colors.

MODEL	DESCRIPTION	PANEL OPENING*	RACK UNIT	OUTSIDE DIMENSIONS H	W	D
SMB22-19-25-962	Size 22 Base	22⅞"	13	28⅞"	22⅛"	25½"
SMS10-19-25-962	Size 10 Slope/15°	10⅝"	6	13⅛"	22⅛"	25½"
SMS14-19-25-962	Size 14 Slope/15°	14⅛"	8	16½"	22⅛"	25½"
SMS19-19-25-962	Size 19 Slope/15°	19⅜"	11	21½"	22⅛"	25½"
SMLP22-19-25-962	Low Slope/70°	22⅞"	13	10⅝"	22⅛"	25½"
SMMP22-19-25-962	Low Slope/55°	22⅞"	13	16½"	22⅛"	25½"
SMA10-19-19-962	Size 10 Module	10⅝"	6	13⅛"	22⅛"	19⅝"
SMA10-19-21-962	Size 10 Module	10⅝"	6	13⅛"	22⅛"	21"
SMA10-19-22-962	Size 10 Module	10⅝"	6	13⅛"	22⅛"	21 29/32"
SMA14-19-19-962	Size 14 Module	14⅛"	8	16⅝"	22⅛"	19⅝"
SMA14-19-21-962	Size 14 Module	14⅛"	8	16⅝"	22⅛"	21"
SMA14-19-22-962	Size 14 Module	14⅛"	8	16 ⅝"	22⅛"	21 29/32"
SMA19-19-19-962	Size 19 Module	19⅜"	11	21⅞"	22⅛"	19⅝"
SMA19-19-21-962	Size 19 Module	19⅜"	11	21⅞"	22⅛"	21"
SMA19-19-22-962	Size 19 Module	19⅜"	11	21⅞"	22⅛"	21 29/32"
SMW19-19-962	Tilt Wedge/15°	0	0	6"	22⅛"	19⅝"
SMW19-21-962	Tilt Wedge/15°	0	0	6⅜"	22⅛"	21"
SMW19-22-962	Tilt Wedge/15°	0	0	6 11/16"	22⅛"	21 29/32"

*Listed panel opening allows 1/16" clearance at top and bottom (1/8" total).
** Writing surfaces will take up 1 RU of panel space for installation.

*** Inside dimensions (between rails) for all models: 17¾" W x 24" D.

45° WEDGE MODULES

Use 45° stacking wedges modules to create corner configurations that maximize space and enhance user flexibility. Two wedge units may be joined for 90° applications. Welded frames are 16-ga. CRS with formed top. The base wedge component is reinforced with 14-ga. CRS front-to-rear channel members and furnished with locking rear door. All other wedge components include a solid rear panel. Optional wedge top panels are offered to provide a uniform height across the console/wedge configuration.

TO MATCH FRAME	ORDER MODEL	MOUNTS ON	EASY-ORDER BASE/SLOPE COMBINATION
SMB22-19-25	**SMC-B22-25-962**	—	—
SMS10-19-25	**SMC-S10-25-962**	SMC-B22-25	**CW-1** (refer to SL10-1528)
SMS14-19-25	**SMC-S14-25-962**	SMC-B22-25	**CW-4** (refer to SL10-1528)
SMS19-19-25	**SMC-S19-25-962**	SMC-B22-25	**CW-2** (refer to SL10-1528)
SMLP22-19-25	**SMC-LP22-25-962**	SMC-B22-25	**CW-3** (refer to SL10-1528)
SMMP22-19-25	**SMC-MP22-25-962**	SMC-B22-25	**CW-5** (refer to SL10-1528)

* Use SMCT wedge top panels only if adjoining cabinet frame is of the same height.

WRITING SURFACES

WS Series. New attractive 1" thick writing surfaces are offered in seven sizes and feature a white laminate over solid particle board construction. Units mount to cabinet frame with supplied support brackets and hardware for secure and distributed load-bearing capability providing a minimum of 27⅞" above the floor and a maximum of 29⅞" with LL-leg levelers. One 1¾" blank panel (Model S219-1) is furnished for closure under the writing surface. Specify panel and bracket color to match cabinet frame. Units may be used alone or combined with other models to accommodate larger cabinet configurations. Writing surfaces use 1 RU of panel space for installation.

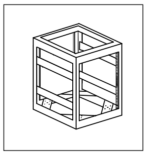
NON-ANGLED CONFIGURATION	OAK TRIM*
1-bay	**WS-1A****
2-bay	**WS-2A****
3-bay	**WS-3A****
4-bay	**WS-4A****

ANGLED CONFIGURATION	OAK TRIM*
3-bay, Angled 2-bay, Angled 90°	**WS-CA**** **WS-LA****
2-bay, Angled 45°	**WS-VA****

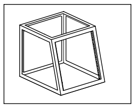
* WS Series uses 1 RU of panel space for installation.

Writing Surface continued top of next page

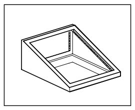
Series VI Piece-Part Components



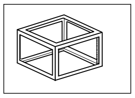
SMB22-19-25



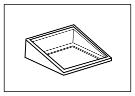
SMS Series



SMLP/SMMP Series

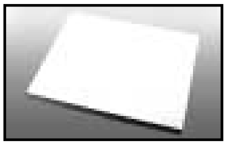


SMA Series



SMW19-22

Series VI Stacking Wedges



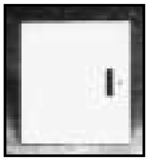
WS-1A

ORDERING TIP!

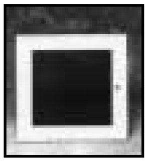
- *Refer to the factory-assembled Series VI console frames earlier in this section to see whether or not you have configured an easy-order assembly!*
- *Use the same frame configurations next to one another to avoid combinations that are difficult to join and to ease side panel ordering.*

SMS-19A

SMS-19H



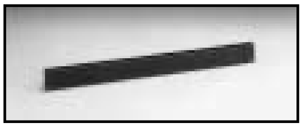
5022-19-SD



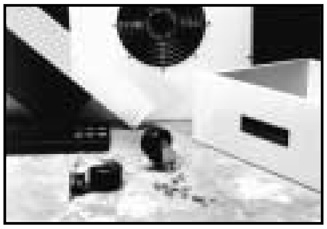
SDP19

5022-19-FD

S219-22



DAP-19



Functional Add-Ons

WRITING SURFACES (CONT'D)

SMS Series. Single-bay writing surfaces are available in horizontal or sloped style. The slopping model includes a padded front for increased operator comfort. Both models feature heavy-duty steel frame construction with full-length welded rails for excellent load-bearing capability. Insert support rails are equipped with mounting holes on E.I.A. universal spacing for rack mounting equipment (up to 7 RU, 12¼"). Height restriction of equipment mounted in Model SMS-19H is 4¾"; in Model SMS-19A is 2¼". Choose from a white or woodgrain laminate insert (required; ordered separately). Shipped complete with hardware kit. Both models use 1 RU of panel space for installation.

NON-ANGLED CONFIGURATION***	ORDER MODEL*
1-bay, Sloped	**SMS-19A****
1-bay, Horizontal	**SMS-19H****

INSERT STYLE	ORDER MODEL
Woodgrain	**TKS**
White	**WHS**

* SMS Series uses 1 RU of panel space for installation. *** For multi-bay and angled configurations refer to WS Series.
** Specify white (WHS) or woodgrain (TKS) insert.

PANELS

Protect console contents from dust and tampering by ordering attractive closure panels. Models are available in a choice of standard colors.

Side Panels. SMP Series surface mounting side panel pairs feature solid 18-ga. CRS construction and add ⅝" of width to each side of the console. Panels are engineered to provide security and fasten into place from inside the cabinet. Side panels are offered as pairs; if specifying a multi-bay configuration, split the set among the two end consoles.

Top Panels. TP Series top panels feature solid CRS construction (TP1, TP2 and TP3 are 18-ga.; TP4 is 16-ga.) and add ⅝" to the overall cabinet height. TP Series replaces the SMT Series.

Front/Rear Panels. S219 Series flush blank panels are 16-ga. CRS formed on all four sides. Available in solid and louvered styles.

Bottom Panels. BPS Series bottom panels are of 14-ga. CRS construction.

TO MATCH FRAME	SIDE PANELS	TOP PANELS	FRONT/REAR PANELS		BOTTOM PANELS
			SOLID	LOUVERED	
SBB22-19-25-962	**SMP22-25-962**	*** TP4-962**	**S219-22-962** ****S219-21-962**	**S219-22L-962** ****S219-21L-962**	**BPS-19-25-962**
SMS10-19-25-962	**SMP10-25S-962**	**TP1-962**	**S219-10-962**	**S219-10L-962**	-
SMS14-19-25-962	**SMP14-25S-962**	**TP3-962**	**S219-14-962**	**S219-14L-962**	-
SMS19-19-25-962	**SMP19-25S-962**	**TP2-962**	**S219-19-962**	**S219-19L-962**	-
SMLP22-19-25-962	**SMP22-25LP-962**	-	**S219-7-962**	**S219-7L-962**	-
SMMP22-19-25-962	**SMP22-25MP-962**	-	**S219-14-962**	**S219-14L-962**	-
SMA10-19-19-962	**SMP-10-19-962**	**TP-2-962**	**S219-10-962**	**S219-10L-962**	-
SMA10-19-21-962	**SMP10-21-962**	**TP-3-962**	**S219-10-962**	**S219-10L-962**	-
SMA10-19-22-962	**SMP10-22-962**	**TP1-962**	**S219-10-962**	**S219-10L-962**	-
SMA14-19-19-962	**SMP14-19-962**	**TP2-962**	**S219-14-962**	**S219-14L-962**	-
SMA14-19-21-962	**SMP14-21-962**	**TP3-962**	**S219-14-962**	**S219-14L-962**	-
SMA14-19-22-962	**SMP14-22-962**	**TP1-962**	**S219-14-962**	**S219-14L-962**	-
SMA19-19-19-962	**SMP19-19-962**	**TP-2-962**	**S219-19-962**	**S219-19L-962**	-
SMA19-19-21-962	**SMP19-21-962**	**TP-3-962**	**S219-19-962**	**S219-19L-962**	-
SMA19-19-22-962	**SMP19-22-962**	**TP-1-962**	**S219-19-962**	**S219-19L-962**	-
SMW19-19-962	**SMP-19W-962**	-	Solid Rear (No Access)	-	-
SMW19-21-962	**SMP-21W-962**	-		-	-
SMW19-22-962	**SMP-22W-962**	-		-	-

* TP4 also mounts the bottom of SMS slope modules as a top panel in inverted slope applications. ** For use with writing surface applications.

DOORS

Surface Doors. SD Series doors mount to cabinet frame which are typically used in front-mounting installations where rack-mounted electronics have protruding knobs or when drawers and sliding shelves are utilized. Models provide 1¹⁵⁄₁₆" clearance from rail and are offered in solid, vented and smoked acrylic plex styling. Doors feature 16-ga. CRS construction and include cylinder lock and recessed handle. (All surface doors are keyed the same.) Doors are equipped with quick-release hinges and removable pins for easy door removal. Customer is required to drill all mounting holes and install the door for right or left-hand mounting. Available in a choice of standard colors. Models SD19 and SDP19 are designed for writing surface applications only and include one 1¾" panel (Model S219-1) for closure.

Flush Doors. Models FD19 and 5022-19-FD mount in the panel space opening, flush-to-frame and feature 16-ga. CRS construction, cylinder lock and recessed handle. (All flush doors are keyed the same.) Doors are complete with spring-release hinges for easy door removal. Cabinet is pre-drilled for right or left-hand hinging. Model FD19 is designed for use as a front door under a writing surface and is shipped complete with one 1¾" door attachment panel (Model DAP-19) for closure. Model 5022-19FD is typically used as a rear door but may be used as a front door when a writing surface is not required. Please be aware that flush doors are not compatible with drawers and sliding shelves.

TO MATCH FRAME	WITH Writing Surface*		WITHOUT WRITING SURFACE		
	Surface Door	Flush Door	SURFACE DOOR	FLUSH DOOR	VENTED DOOR
All Frames: SMB-AN through SMB-JN	**SD19-962**, Solid **SDP19-962**, Plex **SDV19-962**, Vented (All are 11 RU)	**FD19-962** Solid (11 RU)	**5022-19-SD-962**, Solid **5022-19-SDP-962**, Plex (Both are 13 RU)	**5022-19-FD-962** Solid (13 RU)	**5022-19-SDV-962** (13RU)

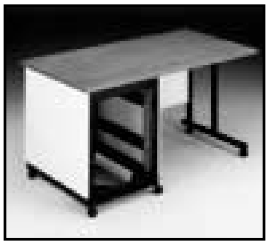
* Door installation will reduce available rack space by 1 RU (1¾")

EASY-ORDER STANDARD DESK CONFIGURATIONS

DW30 Series. Choose from four desk configurations to create a coordinated work environment with Series VI consoles and Series 5000 cabinets. These attractive work stations use base Model 5022-19-30 with side panels and open front and rear (Series 5000 description on page 86 and 87) for a sturdy and reliable 19" W x 30" D electronic pedestal. Standard configurations are offered with woodgrain writing surface, black finished pedestal frame and legs, two pair of adjustable mounting rails, modesty(?) and side panels are finished in -962 black powder coat. A complete selection of keyboard and pencil drawers, front and rear doors/panels, shelves, leg levelers and casters are available (refer to Functional Add-Ons on page 91).

MODEL	WRITING SURFACE	DESK HEIGHT	LEG ASSEMBLY	19" W x 30"D PEDESTAL*	PANEL OPENING**	RACK UNIT
DW30-48L-962	32" x 48"	29 ⅞"	2	0	0	0
DW30-60P1-962	32" x 60"	29 ⅞"	1	1	22 ⅞"	13
DW30-72P1-962	32" x 72"	29 ⅞"	1	1	22 ⅞"	13
DW30-72P2-962	32" x 72"	29 ⅞"	0	2	45 ¾"	26

* Pedestal may be right or left-hand mounted.
** Listed panel opening allows 1/16" clearance at top and bottom (1/8" total).



DW30-60P1

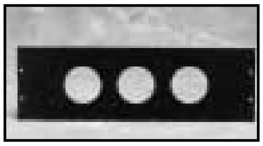
FUNCTIONAL ADD-ONS: PANELS

ISOLATION PANEL

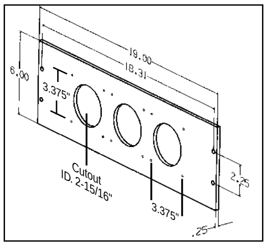
ISOPANEL™. The ISOPANEL™ mounts into the bottom or top panel-width opening of Atlas Sound's Series WA100, WA200, WA202, 500 and 502 cabinets. ISOPANEL™ provides a non-conductive mounting surface for interfacing with a building's conduit or other cable tray system. The specially formulated polymer panel reduces the potential for ground situations.

The ISOPANEL™ has three pre-cut openings to accommodate standard 2½" conduit couplings. This allows conduit to be brought into the rack without touching the metal frame. Additional screw holes, which facilitate #8 sheet metal screws are provided for mounting standard 40 electrical covers over each 2¹⁵⁄₁₆" hole for custom application. Textured polymer material can be worked with common hand tools facilitating field modification. The ISOPANEL™ covers the 3 RU panel opening of specified cabinets, yet uses standard E.I.A. mounting holes to secure to cabinet. Over-sized panel measures 19" L x 6" W (outside dimension).

MODEL	MATERIAL	DIMENSIONS	MOUNTS (top or bottom opening)
ISOPANEL	Polymer	19" L x 6" W	WA100, WA200, WA202, 500, 502 & 503 Series



ISOPANEL



SOLID, PERFORATED & LOUVERED PANELS

General Description. Choose from a variety of panels to enclose unfilled space and to provide aesthetic continuity and security in 19" electronic equipment cabinets. Solid, perforated, and louvered models offer dust protection and heat ventilation. All models include oblong mounting holes on E.I.A. universal spacing for adjustment flexibility. Units are finished in black as standard.

SEC Series Security Covers. Designed to eliminate unauthorized operator tampering to rack mount equipment such as equalizers and rack mount mixers. 22-gauge construction features fine perforated steel insert for good visibility. Unique radiused corners provide a professional looking installation. Formed edges protect equipment from scratches. Available in 1U to 3U heights.

CB SERIES. Economy solid steel panels are constructed of #14 steel finished in attractive -052 flat black electrostatic powdercoat.

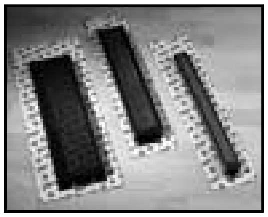
A19 Series. Solid aluminum panels for 19" wide electronic equipment cabinets are constructed of ⅛" (3mm) thick aluminum.

S19/S219 Series.* Solid 16-ga. CRS blank panels are available in a selection of recessed and flush mounting models. S19 Series has formed returns on panel top and bottom for recessed installation. S219 Series are formed on all four sides to exhibit a flush-to-frame appearance.

SVP19/SVP219 Series.* Perforated 22-ga. CRS vent panels provide for natural air circulation and dissipation of equipment generated heat. SVP19 Series is formed on panel top and bottom for recessed installation. SVP219 Series is formed on four sides to achieve a flush-to-frame appearance.

PANEL SPACE	RACK UNIT	SECURITY PANELS	SOLID ECONOMY	SOLID RECESSED	SOLID RECESSED	SOLID FLUSH	PERFORATED RECESSED	PERFORATED FLUSH	LOUVERED FLUSH
1¾"	1	**SEC19-1-052**	**CB19-1-052**	**A19-1-052**	**S19-1-052**	**S219-1-962**	**SVP19-1-052**	**SVP219-1-962**	–
3½"	2	**SEC19-3-052**	**CB19-3-052**	**A19-3-052**	**S19-3-052**	**S219-3-962**	**SVP19-3-052**	**SVP219-3-962**	–
5¼"	3	**SEC19-5-052**	**CB19-5-052**	**A19-5-052**	**S19-5-052**	**S219-5-962**	**SVP19-5-052**	**SVP219-5-962**	–
7"	4	–	**CB19-7-052**	**A19-7-052**	**S19-7-052**	**S219-7-962**	**SVP19-7-052**	**SVP219-7-962**	**S219-7L-962**
8¾"	5	–	–	**A19-8-052**	**S19-8-052**	**S219-8-962**	**SVP19-8-052**	**SVP219-8-962**	**S219-8L-962**
10½"	6	–	–	**A19-10-052**	**S19-10-052**	**S219-10-962**	**SVP19-10-052**	**SVP219-10-962**	**S219-10L-962**
12¼"	7	–	–	**A19-12-052**	**S19-12-052**	**S219-12-962**	**SVP19-12-052**	**SVP219-12-962**	–
14"	8	–	–	**A19-14-052**	**S19-14-052**	**S219-14-962**	–	–	**S219-14L-962**
19¼"	11	–	–	–	–	**S219-19-962**	–	–	**S219-19L-962**
21"	12	–	–	–	–	**S219-21-962**	–	–	**S219-21L-962**
22¾"	13	–	–	–	–	**S219-22-962**	–	–	**S219-22L-962**

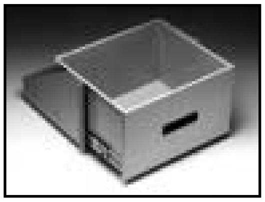
* Note: S219, SVP219, and S219-L Series panels do not mount flush on 300/320/340 and 800 Series cabinets (panel protrudes ½"). Please specify A19 or S19 Series.



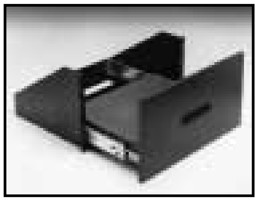
SEC Series

Variety of features for panels; Solid, Perforated, Louvered

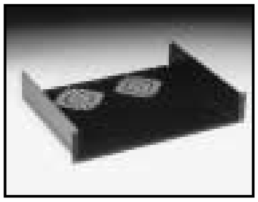
SD7-165FP



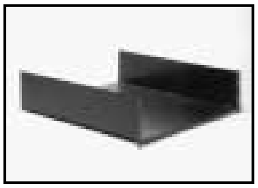
SD10-145



PD10-165FP-052



SH19-3A-052



SH503-052

RECESSED & FLUSH STORAGE DRAWERS

SD/SD-FP Series. Recessed and flush mounting drawers are offered in multiple panel space sizes and a choice of full or partial extension lengths to accommodate tapes, discs, microphones, tools and accessory items. The 16-gauge CRS drawers mount into 19" cabinets come complete with slides, having hold-in detents and 100 lb.-rated steel ball bearing rollers. Textured smooth finish. (Recessed drawers are ideal for use with 300/320 Series wall cabinets.) Width of all models is 16⅞" (inside).

19" WIDE RECESSED STORAGE DRAWERS

MODEL	RACK UNIT	PANEL SPACE	INSTALLATION DEPTH	DRAWER EXTENSION	MOUNTS
SD5-145-052	3	$5\frac{1}{4}$"	$14\frac{13}{32}$"	14"	19" W (panel space) Cabinets Note: $14\frac{13}{32}$" D models are required for 300, 400, & 600 Series.
SD7-145-052	4	7"	$14\frac{13}{32}$"	14"	
SD7-165-052	4	7"	$16\frac{13}{32}$"	16"	
SD10-145-052	6	$10\frac{1}{2}$"	$14\frac{13}{32}$"	14"	
SD10-165-052	6	$10\frac{1}{2}$"	$16\frac{13}{32}$"	16"	

19" WIDE FLUSH STORAGE DRAWERS

MODEL	RACK UNIT	PANEL SPACE	INSTALLATION DEPTH	DRAWER EXTENSION	MOUNTS
SD3-165FP-052	2	$3\frac{1}{2}$"	$16\frac{13}{32}$"	16"	199 W (panel space) Cabinets, Except 300, 400 & 600 Series
SD5-165FP-052	3	$5\frac{1}{4}$"	$16\frac{13}{32}$"	16"	
SD7-165FP-052	4	7"	$16\frac{13}{32}$"	16"	
SD10-165FP-052	6	$10\frac{1}{2}$"	$16\frac{13}{32}$"	16"	

RECESSED & FLUSH SLIDING SHELVES WITH FRONT PANEL

PD/PD-FP Series. Open-side sliding drawers are designed for easy access to equipment with top or side-mounted controls. Available with full or partial extension and in recessed and flush mounting (FP) styles for 19" cabinets. Chassis is 16-gauge CRS mounted on slides having hold-in detents steel ball bearing rollers. Chassis includes ¼" (6mm) thick walnut grain masonite base hardware. Cabinet rails may need to be adjusted (back) when using flush doors.

MODEL	RACK UNIT	PANEL SPACE	INSTALLATION DEPTH	DRAWER EXTENSION	MOUNTS
PD10-165-052	6	$10\frac{1}{2}$"	$16\frac{13}{32}$"	16"	19" W (panel space) Cabinets, Except 300, 400 & 600 Series
PD10-165FP-052					

VENTED ONE-PIECE ALL-PURPOSE SHELF

SH19-3A. Versatile formed shelving with ventilation cutouts which supports equipment and allows for dissipation of heat generated-equipment. Cutouts are also drilled to fit customer-installed 40 tubeaxial fans (by others). Model SH19-3A is 16-gauge CRS and includes mounting holes on E.I.A. standard spacing. Finished in a choice of standard colors in smooth and textured finishes. Unit is secured using a single pair of front mounting rails. No assembly is required. Replaces shelf Model SH19-3.

MODEL	RACK UNIT	PANEL SPACE	WIDTH*	DEPTH	MOUNTS
SH19-3A-052	2	$3\frac{1}{2}$"	$17\frac{1}{2}$"	14"	19" W (panel space) Cabinets

* Inside width.

SOLID ALL-PURPOSE SHELVES

SH19-5/SH19-7. Economical all-purpose shelves for 19" cabinets are available in two panel space sizes to provide convenient mounting of electronic equipment that does not have an attached rack mount panel. Both models are 14" deep for standard depth cabinets and can be secured using a single pair of front mounting rails. Shelves are 16-gauge CRS and include mounting holes on E.I.A. standard spacing, mounting and assembly hardware.

SH503. Extra-depth shelf is similar to the SH19-5/SH19-7 models listed above except that it was designed to accommodate equipment mounted in extra-depth cabinets. Model SH503 is 20" deep.

MODEL	RACK UNIT	PANEL SPACE	WIDTH*	DEPTH	MOUNTS
SH19-7-052	4	7"	$17\frac{1}{2}$"	14"	19" W (panel space) Cabinets
SH19-5-052	3	$5\frac{1}{4}$"	$17\frac{1}{2}$"	14"	
SH503-052	3	$5\frac{1}{4}$"	$17\frac{1}{2}$"	20"	WA202, 502, 503, Series 5000(T), Series VI & Series VII

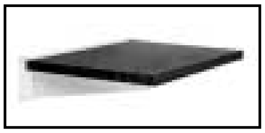
* Inside width.

FUNCTIONAL ADD-ONS: SHELVES & DRAWERS FOR 19" CABINETS

ECONOMICAL EXTERIOR SHELF/WRITING SURFACE

DK19-3. Cost-effective shelf attaches to front mounting rails of 19" cabinets for application as an exterior component mounting shelf or writing surface. Shelf is woodgrain formica-covered particle board supported by 16-gauge CRS spot-welded brackets. Brackets are a -052 Flat Black finish. Use standard panel mounting hardware (not supplied).

MODEL	RACK UNIT	PANEL SPACE	DIMENSIONS	MOUNTS
DK19-3-052	2	3½"	17½" W x 12" D x 3 7/16" H	19" W (panel space) Cabinets

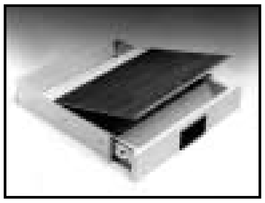


DK19-3-052

PENCIL DRAWER

PCD3-16. Dual-function sliding pencil drawer features a handy storage area covered by a lift-up writing surface. Unit is constructed of 18-ga. CRS and mounts in any 19" rack or cabinet. Hinged writing surface is 16 5/16" wide particle board covered with woodgrain laminate. Drawer slides include hold-in detents and 100 lb.-rated steel ball bearings for smooth extension and easy content accessibility.

MODEL	RACK UNIT	PANEL SPACE	WIDTH	DEPTH	DRAWER EXTENSION	MOUNTS
PCD3-16-052	2	3½"	16 5/16"	16 13/32"	16"	19" W (panel space) Cabinets, Except 300, 400 & 600 Series



PCD3-16

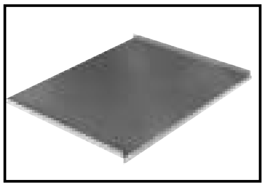
FUNCTIONAL ADD-ONS: SHELVES & DRAWERS FOR SERIES 5000, VI & VII

Please note: Series 5000, VI & VII can also mount the "Shelves & Drawers for 19" Cabinets."

HEAVY-DUTY SHELVES

SH2000 Series. Sturdy shelves attach to cabinets that are equipped with front and rear mounting rails to provide dependable support for heavy equipment installations including large power supplies, amplifiers, video tape recorders, computers and control systems. One-piece units are 16-gauge CRS and include oblong mounting holes and choice of standard colors and finishes. Shelves mount behind "Z" rails.

MODEL	WIDTH	HEIGHT	DEPTH	MOUNTS
SH2000-25-052	17 11/16"	⅝"	21¼"	19" W (panel space), 25½" D Cabinets
SH2000-30-052	17 11/16"	⅝"	25¾"	19" W (panel space), 30" D Cabinets

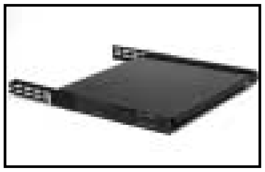


SH2000-25-052

SLIDING SHELF/TRAY FOR CABINETS WITH FRONT & REAR RAILS

VTD16. Versatile shelf provides easy access to keyboards, video tape recorders and control equipment. Solid bearing slides extend to a full 17" outside of cabinet rails with lock-out protection. Dual-purpose design may be used right-side up as a shelf or upside-down as a tray with a protective lip according to desired application. Model mounts 19" cabinets (18½" to 25½" deep) equipped with front and rear mounting rails. Load bearing capacity is 85 lbs. Constructed of 16-gauge CRS and finished in standard black.

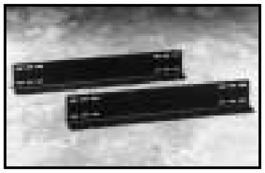
MODEL	RACK UNIT	PANEL SPACE	WIDTH	DEPTH	MOUNTS
VTD16	1	1¾"	16½", tray 16¾", shelf	16"	19" W (panel space) Cabinets (18½" to 25½" D)



VTD16

SUPPORT ANGLE BRACKETS

SA-25/SA-30. Use these versatile "L" brackets to support electronic equipment when a solid shelf is not required or when obstructed air circulation is a concern. Brackets span the vertical rails front-to-back to provide additional or initial support for heavy equipment. Model SA-25 mounts 25½" deep cabinets; Model SA-30 mounts 30" deep cabinets. Both models are constructed of 11-gauge CRS with slotted cutouts. Finish is standard black.

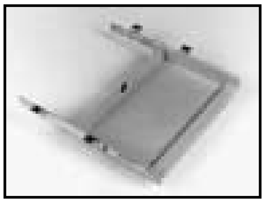


SA-25

COMPUTER KEYBOARD DRAWER FOR SERIES VII DESKS

DW-KB. Convenient keyboard drawer is offered for use with Series VII desks. Unit mounts under desk writing surface and will accommodate keyboards up to 19⅜" wide and features an open front with a 2" D arm rest. The keyboard area is recessed ¾". Drawer will extend 10" from the closed position with lock-out protection. Manufactured of 18-gauge CRS. Drawer includes slides with hold-in detents and 100 lb.-rated steel ball bearing rollers.

MODEL	DIMENSIONS	MOUNTS
DW-KB-962	21" W x 15" D x 3" H	Series VII Desks



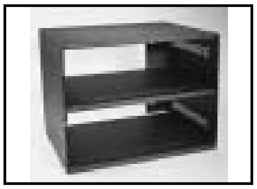
DW-KB

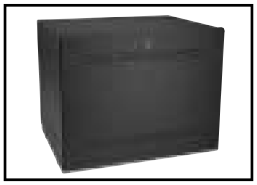
PENCIL DRAWER FOR SERIES VII DESKS

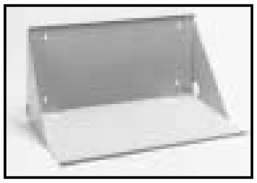
DW-PD. Handy pencil drawer is offered for use with Series VII desks. Unit features a 3" D drawer with a solid front and will extend 10" from the closed position with lock-out protection. Manufactured of 18-gauge CRS. Drawer includes slides with hold-in detents and 100 lb.-rated steel ball bearing rollers.

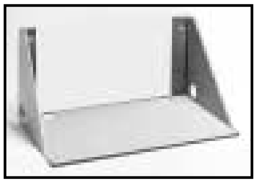
MODEL	DIMENSIONS	MOUNTS
DW-PD-962	21" W x 15" D x 3" H	Series VII Desks

FUNCTIONAL ADD-ONS: GENERAL


WME150 (without door)


WME150 (with locking door)


AS-120


AS-140

RT-5000/R-5000/230/235

WALL-MOUNT SHELF/ENCLOSURE SYSTEM

WME150. The new, extremely versatile six-piece Wall-Mount Shelf/Enclosure System unit is easy to assemble in a variety of configurations (in utility closets and anywhere space is at a premium). The Six piece set is shipped flat and can be easily assembled with common tools. In the two shelf configuration with the supporting side panels, the wall-mount shelf can be used for a wide variety of equipment with a locking door or top. It can be configured as a locking enclosure with two shelves or as a two-shelves-open enclosure, with the two remaining panels used with additional side panels (sold separately) to making a second open shelf unit. Construction is 16-ga. CRS and finished in neutral white.

MODEL	SHELVES	WIDTH	DEPTH	WEIGHT
WME150-592	2	21"	16.45"	35.5 Lbs.

WALL-MOUNT SHELVES FOR 19" EQUIPMENT

AS-120/AS-140. Sturdy shelves with wire access provide for convenient wall-mounting of amplifiers or electronic equipment. AS-120 includes keyhole mounting slots. Versatile AS-140 may be mounted so equipment is installed between side supports or inverted "bookshelf-style" for open equipment placement. Construction is 16-ga. CRS.

MODEL	DIMENSIONS	MOUNTS
AS-120-592	20" W x 12½" D x 10" H (508 x 318 x 254mm)	Wall Surface
AS-140-592	20" W x 17" D x 12⅜" H (508 x 432 x 314mm)	Wall Surface

MOUNTING RAILS

RT-5000 Series. Mounting rails are comprised of; 11-ga. CRS zinc-plated with tapped front and side panels; 10-32 on E.I.A. spacing (⅝"-⅝"-½" continuous centers). Rails are sold in pairs and will mount with Series 5000 cabinets, Series VI consoles and Series VII desks. Shipped with mounting bolts and slide nuts. Order panel hardware separately; HK-40 has chrome screws/plastic washers, HK-40SB has black screws/plastic washers.

RT SERIES RAILS (TAPPED)		
MODEL	PANEL HDWR. KIT	MOUNTS
RT-5022	HK-40(SB)	5022-19-25, 5022-19-30*, SMB22-19-25*
RT-5036	HK-40(SB)	5036-19-25, 5036-19-30*
RT-5042	HK-40(SB)	5042-19-25, 5042-19-30*
RT-5061	HK-40(SB)	5061-19-25, 5061-19-30*
RT-5070	HK-40(SB)	5070-19-25, 5070-19-30*
RT-5077	HK-40(SB)	5077-19-25, 5077-19-30

* Noted models are standard with punched rails only.

230 /235 Series. Mounting rails are comprised of; 11-ga. CRS and are tapped 10-32 on E.I.A. spacing (⅝"-⅝"-½" continuous centers) and finished in black. Rails are sold in pairs and include hardware. All cabinets come with front rails. Order extra rails to provide additional equipment support.

MODEL	MOUNTS CABINET SERIES
230-36BT	(WA)200-36, WA202-36, 500-36, 502-36 RX1-36
230-42BT	(WA)200-42, WA202-42, 500-42, 502-42

MODEL	MOUNTS CABINET SERIES
230-61BT	(WA)200-61, WA202-61, 500-61, 502-61
230-70BT	(WA)200-70, WA202-70, 500-70, 502-70
230-77BT	(WA)200-77, WA202-77, 500-77, 502-77

MOUNTING KITS & BUS BARS

Mount Hardware Kits

BBG-5022

MOUNTING RAIL HARDWARE KITS

MODEL	DIMENSIONS	MOUNTS
HK-40	40 Ea. Chrome Phillips Head Screws 10-32 x 1" & Plastic Washers	All Cabinets
HK-40SB	40 Ea. Black Phillips Head Screws 10-32 x 1" & Plastic Washers	All Cabinets
HK-40CN	40 Qty. Clip-on Cage Nuts	Series 5000, VI, 900P, AWR & TMC

COPPER BUS BARS

BBG Series. Functional copper strips are available in six lengths to provide a convenient method of grounding for rack mounting equipment. Bars mount easily to cabinet structure with ¼"-20 hardware (provided). Each bar is ¼" x ¾" wide.

MODEL	LENGTH
BBG-5022	22¾"
BBG-5036	36¾"
BBG-5042	42"

MODEL	LENGTH
BBG-5061	61¼"
BBG-5070	70"
BBG-5077	77"

PAINT COLOR & FINISHES

TOUCH-UP PAINT (4.5OZ SPRAY)

MODEL	COLOR
SP962	Midnight Black
SP052	Ebony Black
SP542	Neutral

MODEL	COLOR
SP302	Cool Medium Grey
SP972	Light Beige

Touch-up Paint

FUNCTIONAL ADD-ONS: GENERAL

CASTERS

CS-5PR.* These 3" dia. swivel casters mount easily to cabinets with pre-installed caster plates. Casters are zinc-plated and include black, non-locking hard-tread wheels. The load-bearing capacity is 125 lbs. each. Sold in pairs. Fits 5000 Series and Series VI.

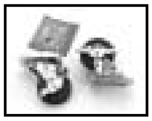
CS-8PR. Locking 3" diameter swivel casters mount easily to cabinets with pre-installed caster plates. Units have a load-bearing capacity of 125 lbs. each and are sold and pairs. Casters are zinc-plated and include black, hard tread wheels. Each rack requires four casters (2 pairs).

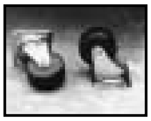
CS-HDPR.* Heavy-duty, 2⅝" dia. non-locking swivel casters have a load-bearing capacity of 255 lbs. ea. and will mount Series VI consoles and Series V cabinets equipped with integral caster plates. Units are zinc-plated and include black, hard-tread wheels. Sold in pairs.

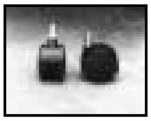
CS-LDPR. Smooth-riding, 2" twin-wheel casters are rug-acceptable and ideal for supporting 800 Series open racks and Series VII desks. Units provide a load-bearing capacity of 75 lbs. each and install into ⅜"–16 threaded stem. Finish is black. Sold in pairs.

CT-7. Four-caster replacement set for Model CT1020 roller truck includes one pair of locking swivel and one pair of rigid casters with 125 lb. load-bearing capacity each.

CS-5PR


CS-8PR


CS-HDPR


CS-LDPR

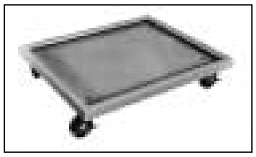
ROLLER TRUCK & CASTER KIT ACCESSORIES

CT1020. Heavy-duty, welded 16-ga. CRS roller truck provides mobility for 19" W x 18½" D cabinets. Unit is designed for single-bay use and has one pair rigid and one pair locking 3" swivel casters. Finish is black.

CT-500K. Caster kit provides mobility to 19" W x 18½" D WA100, WA200, and 500 Series cabinets in single or multi-bay installations. Kit includes four swivel 2" dia. twin casters (two non-locking and two rigid) and two 17" L brackets with hardware.

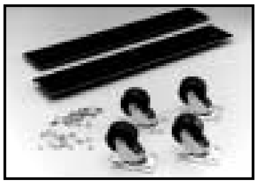
CT-5020K. Caster kit provides for caster installation onto 19" W x 25½" D cabinets in single or multi-bay installations. Kit includes four, non-locking, 2⅝" dia. casters and two, easy-to-install, 25" L mounting/supporting brackets. Model accommodates the 25½" D WA202 and 502 Series cabinets.

CT-5030K. Caster kit for 19" W x 30" D Series 503 is similar to the CT-5020K model with a longer mounting bracket.


CT1020

	DIMENSIONS		LOAD	
MODEL	H (ADD TO RACK)	L x W	CAPACITY	MOUNTS
CS5PR	3¾"	-	125 lbs. ea.	5000 Series, Series VI (order 2 prs.)
CS8PR	3¾"	-	125 lbs. ea.	5000 Series, Series VI (order 2 prs.)
CS-HDPR	3.3"	-	255 lbs. ea.	5000 Series, Series VI (order 2 prs.)
CT-LDPR	2¾"	-	75 lbs. ea.	800 Series (order 2 prs.)
CT-500K	.96"	17" x 4.2"	400+ lbs.	WA100, WA200, 500 Series
CT1020	4"	24⁹⁄₁₆" x 20¹³⁄₁₆"	400+ lbs.	WA100, WA200
CT-5020K	1¾"	25" x 4.2"	850 lbs.	WA202, 502 Series
CT-5030K	1¾"	29" x 4.2"	850 lbs.	503 Series

* 4 casters are recommended for all cabinets. Single or multi-bay.SlimLine AC Power Panel for 19" Cabinets


CT-5020K

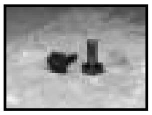
LEG LEVELERS

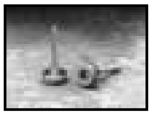
Standard and heavy-duty leg levelers, respectively, provide stabilization on uneven surfaces for Series 5000 cabinets, Series VI consoles and Series VII desks. 4-piece sets are steel construction with full extension and adjust with standard wrenches.

LL-1. ⅜"-16 x 1¼" L rolled threads. Can be used in combination with non-locking casters or as a 4- piece set.

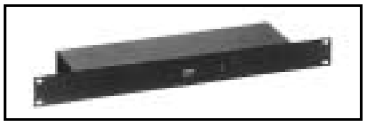
LL-2. ⅜"-16 x 3" L threads. Includes screw-mounted heavy duty rubber cushion with chrome cap. Recommended for use as a 4-piece set only.

MODEL	Thread Type	Thread Length	Mounts
LL-1	⅜"-16	1¼"	5000 Series, Series VI, Series VII
LL-2	⅜"-16	3"	5000 Series, Series VI, Series VII

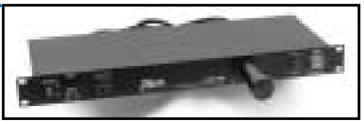

LL-1


LL-2

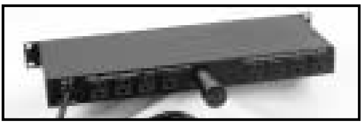
SLIMLINE AC POWER PANELS FOR 19" CABINETS


ACRL-191A

NEW


ACRL-291 Front Panel Light Extended

NEW


ACRL-291 Rear Panel Light Extended

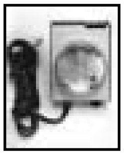
ACRL-191A. ACRL series is equipped with a lighted, front-mounted rocker switch. It includes a re-settable 15-amp circuit breaker on the front panel with six switched and two unswitched outlets located on the back chassis. ACRL-191A has internal pigtail leads. It includes a removable rear wiring panel with E.O. connector/strain relief. Front panel is 16-ga. CRS and formed on two sides for recessed mounting. Finish is black epoxy.

ACRL-191B. The ACRL-191B retains all features of the ACRL-191A with the addition of a un-switched outlet on the front panel and a 6' factory installed power cord. A removable rear access panel is provided to allow the unit be hard-wired for permanent installation. UL Listing Pending. Available July 2002

ACRL-291. The ACRL-291 includes eight switched rear panel outlets plus one front panel un-switched outlet. A pull-out light bar is included on both the front and rear panels of the unit to provide illumination to both the front and rear of the rack. A 15 amp re-settable circuit breaker is located on the front panel for easy access. A 6' power cord is factory installed however a removable access panel and instructions are provided in the event the unit is to be hard-wired with conduit for permanent installations. UL Listing Pending. Available July 2002.

MODEL	PULLOUT LIGHTS	PANEL & SWITCH RATING	OUTLETS SWITCHED	OUTLETS UNSWITCHED	DIMENSIONS
ACRL-191A	None	15 amps Ea.	6	2	19" W x 1 3/4" H (1 RU)
ACRL-191B	None	15 amps Ea.	6	3	19" W x 1 3/4" H (1 RU)
ACRL-291	1Frt/1Rear	15 amps Ea.	8	1	19" W x 1 3/4" H (1 RU)

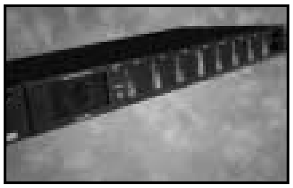
RACK WORK LIGHT


RWL-1

RWL-1. Portable lamp with wide light diffusion provides illumination of interior rack spaces. Supplied with a "non-mar" magnetic mount, 3-wire grounded AC outlet, on-off switch, high impact clear polycarbonate lens, two 10 watt incandescent lamps (one for replacement) and six-foot power cord. Assembly is 18 and 22-gauge CRS. Standard finish is flat black epoxy.

MODEL	SIZE	WEIGHT
RWL-1	4 3/4" H x 3 3/16" W x 2 3/4" D (121 x 81 x 70mm)	1.48 lbs.

19" MONITOR PANELS


MVXA-2008

MVXA-2008/MVXA-2016. Atlas Sound's MVXA monitor panels (patent pending) are active devices for aural and visual monitoring, from eight or sixteen different speaker and line level circuits in any combination. Each input is individually selectable using an easy-to-position jumper. Units offer superior performance with easy visual assessment in an ultra-thin single rack space chassis. Twelve segment LED bar- graphs provide 33dB of resolution and monitor any combination of line level (1V reference) —25Vrms, 70Vrms and 100Vrms simultaneously. The bottom ten LEDs are green and have a VU ballistics response. The two red LEDs at the top of the bar graph are peak to provide instantaneous level indication. LED meter sensitivity is -30dB to + 30dB. Units offer the capability to aurally monitor individual channels via an internal speaker, headphone jack, line level output to external amplifier or 3 watt high-fidelity output to an external speaker. Panel functions include a channel selection knob, channel audible monitoring level control and headphone jacks. External power supply is UL Listed. Unit weight is 7 lbs. (3.2 kg.).

MODEL	RACK UNITS	CHANNELS	INPUT TYPES	METER SENSITIVITY	POWER REQ.	DIMENSIONS (H x W x D)
MXVA-2008	1	8	Line Level (1 Vrms), 25 Vrms, 70 Vrms, 100 Vrms	-30dB to +3dB	6 watts 15 VAC Power Supply Included	1 3/4" x 19" x 9 1/2"
MXVA-2016	1	16				1 3/4" x 19" x 9 1/2"

19" MONITOR PANELS – (CONT'D)

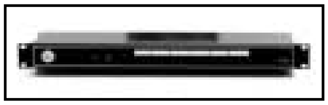
MVX Series. Designed for economical multi-channel system applications that require quality aural and visual monitoring. Models are available with choice of loudspeaker and VU meter for 25 or 70.7-volt systems. To enable monitoring of up to five program channels, all units include a 6-position, double-pole switch with a positive "off" position and a volume control for adjusting the level of the monitor loudspeaker. Each monitored circuit connects to two rear-mounted screw terminals. Front panels are 16-ga. CRS, finished in black. Potentiometers and channel selectors are rear mounted with white nomenclature. VU meters are of moving coil design and include type "A" meter scale and protective thermoplastic cover.

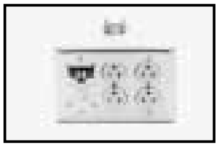
MODEL	RACK UNIT	CHANNELS	SPEAKER SIZE	V.U. METER	METER ADJUST	DIMENSIONS
MVX-193	2	5	3"	YES	YES	19" W x 3½" H
MVX-195	3	5	4" (FC104)	YES	YES	19" W x 5¼" H

MVX-195

SEQUENTIAL SWITCH SYSTEM

SACR/SACS Series. Prevents high, "in-rush" currents which can damage drivers and sensitive electronic equipment. System applies power to system components in desired time-delay sequence to minimize the potential for tripped circuit breakers, blown fuses and voltage spikes. Ideal for large sound reinforcement systems, electrical and electronic systems/controls and any signal chain that requires sequential power up and power down. System is comprised of a six-circuit sequencer controller with remote start switch (use momentary switch only) terminals, external power supply (included) and choice of outlet strips with six or one circuit in regular and isolated ground versions (order separately). Models SACR-191 and SACS-5(F) are finished in black epoxy. Model SACS-1(F) is finished in neutral gray. For wiring information, request manual #227385.


SACR-191


SACS-1

SYSTEM SEQUENCE CONTROLLER SPECIFICATIONS

MODEL	OUTPUT CHANNELS	CHANNEL TIME DELAY	OUTPUT POWER	SPDT CONTACTS	DIMENSIONS (H x W x D)
SACR-191	6	adjustable 1-10 sec.	24 VDC (70 mA/ch)	2 amps @ 28 VDC, 0.5 amp @ 120 VAC	1¾" x 19" x 4¾" (1 RU)

POWER OUTLET SPECIFICATIONS (order separately)

MODEL	DUPLEX OUTLETS	OUTLET RATING	RELAY RATING	RELAY COIL VOLTAGE	MANUAL OVERRIDE	DIMENSIONS (L x H x D)
SACS-5	5 switched, 1 unswitched	20 amps	30 amps	24 VDC nom. 18 VDC min.	5 switches	37" x 2¾" x 2½"
SACS-5F*						
SACS-1	2 switched	20 amps	30 amps	24 VDC nom. 18 VDC min.	1 switch	6⅜" x 4½" x 2½"
SACS-1F*						

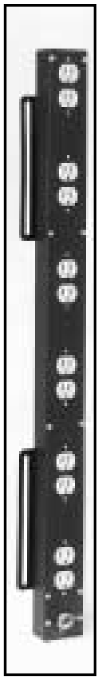
* Isolated ground version.

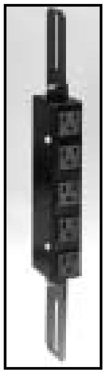
AC OUTLET STRIPS

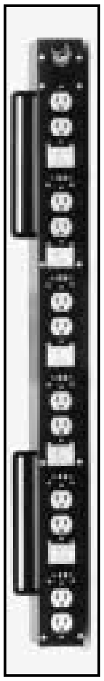
ACS-1/ACS-1A/ACS-2A. Outlet strip includes six grounded duplex outlets for installation in equipment cabinets with vertical panel space greater than 36¾". May be used in conjunction with Atlas Sound fan assemblies and power panels to provide a complete cooling and AC power distribution system. Includes hardware. Finished in black epoxy. Dimensions are 36¾" L x 2⅝" W x 1⅝" H.

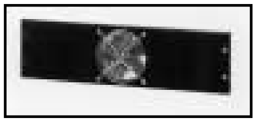
RAC-5(B)/RAC-9(B). Slimline outlet strips provide convenient electrical access without utilizing valuable cabinet space. Compact housing installs between cabinet side panel and mounting rails to the horizontal frame. Housings are finished in black epoxy. Dimensions for the RAC-5 models are 16⅛" L x 1½" W x 2" D. RAC-9 models measure 24¼" L x 1½" W x 2" D.

MODEL	OUTLETS	OUTLET RATING	POWER CONNECTION	MOUNTS CABINETS
ACS-1	12 (6 Duplex)	15 Amps	6 ft. power cord	With P.O. greater than 36¾"
* **ACS-1A**	12 (6 Duplex)	15 Amps	6" Pigtails	
* **ACS-2A**	12 (6 Duplex)	20 Amps	6" Pigtails	
RAC-5	5	15 Amps	6 ft. power cord	5022, 5036, SMB22
* **RAC-5B**	5	15 Amps	6 ft. flex conduit	
RAC-9	9	15 Amps	6 ft. power cord	5042, 5061, 5070, (WA)200, WA202, 500, (WA)200.
* **RAC-9B**	9	15 Amps	6 ft. flex conduit	

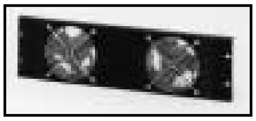

ACS-1


RAC-5


SACS-5



ES2195-121

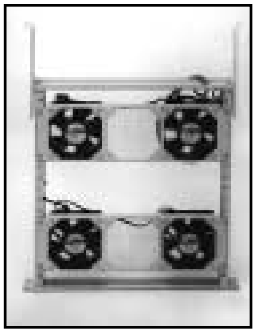


ES2195-122

FAN PANELS FOR EXHAUST COOLING IN 19" CABINETS

ES Series. Recessed and flush fan panel assemblies dissipate equipment-generated heat quickly from 19" cabinets. Front/rear and top loading assemblies are available in single and dual fan models with 115 CFM fan speed for flush and recessed mounting. The ES195 Series is for recessed mounting; the ES2195 Series is designed for flush mounting. Models are complete with fan(s) protected by nickel chrome plated wire grille backed with a steel wire mesh screen assembled to a 16-gauge CRS panel. Panels mount easily to all E.I.A. standard mounting rails and are stocked in standard black finish. Fans are factory-mounted for exhaust cooling and may be rotated easily, in the field, for intake cooling. A 6 ft. line cord is included. When mounting ES Series fans on top of Series 5000 cabinets, order S219 blank panels to fill the opening [21" (12RU) for the 25½" D cabinets; 24½" (14RU) for the 30" D cabinets].

MODEL	RU	PANEL SPACE	PANEL STYLE	NUMBER OF FANS	CFM	SPL dBA @ 3'	VOLTS	HZ	POWER AMPS	POWER WATTS
ES195-121-962	3	5¼"	Recessed	1	115 Each Fan	56.2	115 AC	60	.18	15
ES195-122-962			Recessed	2						
ES2195-121-962			Flush	1						
ES2195-122-962			Flush	2						
FKT-1	Snap-On Re-usable Fan Filter Kit									

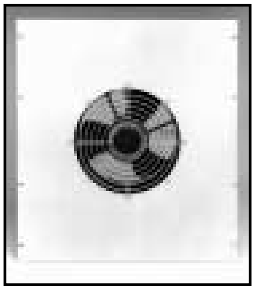


CFT-0
with (2) CFM-2-120 Modules

HORIZONTAL FAN TRAYS FOR 19" X 25½" CABINETS

CFM Series/CFT-0. Modular, space-efficient series requires only one rack panel space and allows direct equipment cooling for specific heat source areas. Fan tray frame Model CFT-0 will accept up to three CFM Series fan module units with 1 to 3 fans each (9 fans maximum). Frame and fan modules are ordered separately for task-oriented cooling flexibility. Frame mounts directly to the front and rear mounting rails of: Series 202, 502, and 5000 cabinets; Series VI consoles (base model only); and Series VII desks. High-quality 115 CFM fans provide rapid and quiet heat dissipation. Quick connect plugs allow simple and expedient field servicing for adding to or changing fan pattern arrangement. Units are finished in standard black and include a six-foot line cord. All CFM Series modules require the CFT-0 fan tray frame for installation.

MODEL	RU	PANEL SPACE	PANEL STYLE	NUMBER OF FANS	SPECIFICATIONS FOR EACH FAN MODULE CFM	SPL dBA @ 3'	VOLTS	HZ	POWER AMPS	POWER WATTS
CFM-1-120	1	1¾"	Module	1	115 Each Fan	56.2	115 AC	60	.18	15
CFM-2-120				2						
CFM-3-120				3						
CFT-0	Fan Tray Frame for Installation of CFM Fan Modules (Fans sold separately)									

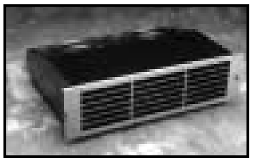


EFT19-25

TOP-MOUNTING TUBEAXIAL FAN FOR SERIES 5000

EFT Series. Powerful cooling assemblies are top-mounting fan panels which provide quiet and effective dissipation of heat, for equipment mounted in 25½" and 30" deep Series 5000 cabinets. Space-efficient units require no vertical panel space and deliver 550 cfm with a 100 diameter tubeaxial propeller fan. Series operates at 115VAC, 60 Hz and includes a continuous-duty, shaded-pole type motor, sealed ball bearings, and chrome plated finger guards. Assemblies include an automatic reset thermal protector and six-foot line cord with molded plug mounted to a 16-gauge CRS panel finished in standard black.

MODEL	PANEL SPACE	PANEL STYLE	DIMENSIONS (W x D x Proj.)	CFM	SPL dBA @ 3'	VOLTS	HZ	POWER AMPS	POWER WATTS
EFT19-25-962	0 RU	Top	19" x 21" x 3½"	550	50.8	115	60	.88	.61
EFT19-30-962		Mounting	19" x 24½" x 3½"			AC			

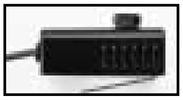


BP195-320

FILTERED INTAKE BLOWER FOR 19" CABINETS

BP195--320. Updated intake blower panel is equipped with stronger fans delivering 320 CFM and provides exceptional ventilation and cooling for equipment mounted in 19" cabinets. The air flow is directed to the rear of the cabinet for improved circulation. Model BP195-320 incorporates a washable and easily removable filter. Model operates at 115 VAC, 60 Hs and contains two 7" tubeaxial fans, each with its own ball bearing motor. A 44" power cord is furnished. Unit is mounted within a 17" W x 13.7" D enclosure with a 19" W x 5¼" H grille. Mounting is secured to stud via two captive nuts. Aluminum mesh filter slides into formed channels for easy removal and cleaning. Enclosure is finished in black. Face plate grille is polished chrome. Note: replacement filter Model FLT 195-320 is offered. Order separately.

MODEL	RU	PANEL SPACE	PANEL STYLE	NUMBER OF FANS	CFM TOTAL	SPL dBA @ 3'	VOLTS	HZ	POWER AMPS	POWER WATTS
BP195-320	3	5¼"	Flush	2	320	59.5	115 AC	60	.40	44
FLT195-320	Replacement Filter									



CFT-125

FAN THERMOSTAT

CFT-125. Unit provides ventilation control of fans and other cooling equipment. Thermostat includes an automatic shut-off feature and a special 3-wire extension cord with series plug for automatic operation. Use the thermostat knob to make temperature adjustments at dial settings from 50° to 100° F. The CFT-125 is UL- and CSA-listed.

ATLAS ADVANTAGES

Steel tubing is finished in a choice of mirrored chrome or non-reflective ebony

Anti-vibration cap absorbs incidental vibrations and sounds

Lock-nut ring securely positions tubing to base

Atlas Sound stands are threaded 5⁄8"-27 and include a lock-nut ring for versatile positioning of accessories

Famous Atlas Sound clutch won't slip under pressure

Bases are high-stability cast metal equipped with shock absorbing rubber pads

Atlas Sound floor stands are made to last! Quality design and over 60 years worth of performances —on stage and off—offer proven reliability you can depend on. The fact is they're simply built better.

ALL-PURPOSE FLOOR STANDS

MS-10C/MS-10CE. Cost-efficient assemblies are the most frequently purchased stand throughout the world for dependable performance in music, entertainment, business, education and social functions. MS-10C includes chrome finished tube and circular cast iron base. MS-10CE is supplied with ebony finished tube and circular cast base.

PROFESSIONAL FULL-HEIGHT STANDS

MS-12C/MS-12CE. All-purpose stands feature wearproof clutch for quick height adjustment and a high-stability, low profile cast base. MS-12C consists of chromed tube and ebony base. MS-12CE features ebony finished tube and base.

FULLY ADJUSTABLE THREE-SECTION STANDS

MS-4/MS-4E/MS-43/MS-43E. Versatile stand adjusts from 25" to 65" to meet the needs of seated and standing instrumentalists and performers. Model includes three-section chromed tube assembly (MS-4/MS-3) or ebony tube (MS-4E/MS-43E) with two wearproof clutches for optimum vertical height adjustment and high stability. All models feature a low-profile cast iron base finished in ebony. The MS-4 Series base has a diameter of 10"and weighs 6 lbs. The MS-43 Series base is 12" in diameter and weighs 8 lbs.

EXTRA-STABILITY STANDS WITH OVERSIZED BASE

MS-20/MS-20E. Heavy-duty stands for studio, recording, church, and school application include an extra-height 1⅛" diameter tube assembly with wearproof clutch, top adapter, and low contour high-stability cast iron base. MS-20 features chromed finish tube and ebony base. MS-20E includes ebony finished tube and base.

STUDIO STANDS WITH AIR SUSPENSION SYSTEM

MS-25. Heavy-duty studio recording stand features 1⅛" diameter chromed tube assembly with integral air suspension system to protect sensitive microphones. Triangular cast base includes sculptured sides, ebony finish and decorative chrome cover.

MODEL	HEIGHT SPAN	BASE SIZE	TUBE FINISH	BASE FINISH
MS-10C	35" - 63"	10" Dia.	Chrome	Ebony
MS-10CE	35" - 63"	10" Dia.	Ebony	Ebony
MS-12C	34" - 62"	10" Dia.	Chrome	Ebony
MS-12CE	34" - 62"	10" Dia.	Ebony	Ebony
MS-4	25" - 65”	10" Dia.	Chrome	Ebony
MS-4E	25” - 65"	10" Dia.	Ebony	Ebony
MS-43	25" - 65"	12" Dia.	Chrome	Ebony
MS-43E	25" - 65"	12" Dia.	Ebony	Ebony
MS-20	37" - 66"	12" Dia.	Chrome	Ebony
MS-20E	37" - 66"	12" Dia.	Ebony	Ebony
MS-25	38" - 67"	15" Tri.	Chrome	Ebony w/Chrome Cover
MS-25E	38" - 67"	15" Tri.	Ebony	Ebony w/Chrome Cover

MS-10C *MS-10CE*

- **Highest Quality**
- **Best Stability**

MS-12C *MS-12CE*

- **Widest Selection**
- **Affordably Priced**

MS-4 *MS-20*

- **Finest Clutch**
- **Field Serviceable**

MS-20E *MS-25*

PERFORMER SERIES TRIPOD STANDS

TL34-15E

TWO- AND THREE-PIECE TRIPOD STANDS

TL34E. Top-of-the-line Performer Series tripods (U.S. Patent # 5,340,066) feature a durable, all-metal housing with a unique double-cam locking device and Glide'n Lock legs for secure positioning and convenient transportation/storage. Units also include the wearproof Atlas Sound clutch to withstand years of stage and studio handling, as well as high-density rubber feet to reduce mechanical noise to the microphone. Tube assemblies are manufactured of CRS and terminate in the standard ⅝" - 27 thread pattern. Finish is non-reflective ebony epoxy.

TRIPOD/BOOM COMBINATIONS

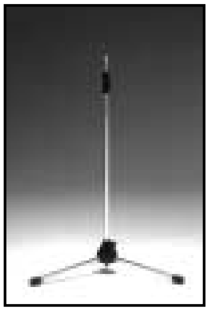
TL34-BBE/TL34-15E/TL34-21XE. For maximum miking ease and portability, choose tripod/boom stands with everything in one. Packages include the patented Performer Series tripod with CAD engineered base, 2-piece adjustable tubing (34" - 63"H) and Glide'n Lock legs matched with an economy boom. Model BB-77E (34"L) or Performer Series Boom Model PB15E (34"L) pr PB21XE (25¼" - 38½"). Both Performer Series booms feature the patented all-metal swivel clamp with Glide'n Position tubing, nylon brake bushings and wool washers; a ¾ lb. counterweight for balance; and steel T-bar knob for no-fail locking. Tripod/boom assemblies are finished in ebony epoxy.

MODEL	TUBE STYLE	STAND HEIGHT	BOOM LENGTH	STORAGE SIZE	BASE SPREAD
TL34E	Two-section	34" - 63"	—	32½"	28"
TL34-BBE	Two-section	34" - 63"	34"	37"	28"
TL34-15E	Two-section	34" - 63"	34"	40"	28"
TL34-21XE	Two-section	34" - 63"	25¼" - 38½"	40"	28"

MUSICIAN SERIES TRIPOD STANDS

TE-E

TEB-E



TE28

ECONOMICAL TWO-PIECE TRIPOD & TRIPOD/BOOM STANDS

Atlas Sound's next generation of Musician Series tripods are lightweight, styled stands that offer the fit and feel of tripods costing considerably more.

TE-E. This All-purpose tripod. The full height stand extends from 37" to 65" and includes an all-new three-piece clutch design with a highly durable metal clutch barrel. Tripod legs attach to a metal retainer assembly that includes a thumbscrew/brake system to provide secure positioning and prevent tube marring. Tube assemblies are durable CRS construction terminated in the industry standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 5½ lbs.

TEB-E. Tripod/boom combination features the BE-E removable, telescopic boom to provide microphone extension from 24" to 39". It includes a molded plastic handle, metal swivel clamp with protective rubber inserts and an easy-grip knob for vertical alignment. Adjustment for the main and extension boom include a thumbscrew/brake system to provide secure positioning and prevent tube marring. Tube assemblies are manufactured of CRS and terminate in the standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 7½ lbs.

TE28/TE28E. Musician Series tripods are lightweight (4.0 lbs.), professionally styled stands that offer the fit and feel of tripods costing considerably more. Their general-purpose, full-height design extends from 35" to 60". The two-piece clutch with protective insert provides secure and scratch-free positioning. Easy-locking legs tighten with a single motion for fast set-up and teardown. Tube assemblies are manufactured of CRS and terminate in the standard ⅝" - 27 thread pattern. Finish is chrome or satin ebony (E) as noted.

TE16-B. Musician Series tripod/boom stands feature the same lightweight, professional styling as the TE28 Series tripods (described above) with the addition of a factory-attached, fixed-length adjustable boom. Boom attachment provides microphone extension up to 25½" and includes a molded plastic handle and swivel clamp. Swivel includes a protective insert for secure and scratch-free horizontal positioning and an easy-grip knob for vertical alignment. Tube assemblies are manufactured of CRS and terminate in the standard ⅝" - 27 thread pattern. Total weight is 4.75 lbs. Finish is chrome.

MODEL	TUBE STYLE	TUBE COLOR	STAND HEIGHT	BOOM LENGTH	STORAGE SIZE	BASE SPREAD
TE-E	Tripod Only	Satin Ebony	37"-65"	–	33¼"	28"
TEB-E	Tripod W/Tele Boom	Satin Ebony	37"-65"	24"-39"	33¼"	28"
TE28	Two-section	Chrome	35" - 60"	—	33½"	27"
TE28E	Two-section	Satin Ebony	35" - 60"	—	33½"	27"
TE16-B	Two-section	Chrome	35" - 60"	30¼"	35½"	27"

STUDIO BOOM STANDS

ECONOMICAL STUDIO BOOM

SB-11WE. Economical studio boom is especially suited for small studio/broadcast applications and for stage miking of drums and percussion instruments. Unit features a 60" L, two-piece horizontal boom assembly. Boom includes a Performer Series swivel clamp and an adjustable 2 lb. counterweight for effortless boom arm orientation. Tubing incorporates a 90° angled end for optimum microphone positioning and terminates in the standard ⅝" - 27 thread pattern. Stand features an Atlas Sound wearproof clutch for positive locking control. Triangular die-cast base offers extra stability and is equipped with hard rubber swivel casters for effortless and silent mobility. Finish is non-reflective ebony epoxy.

SB-11WE

PROFESSIONAL STUDIO BOOM WITH AIR SUSPENSION SYSTEM

SB-36W. Heavy-duty stand for stage and studio application include integral piston-type air suspension system for effortless height adjustment and microphone protection. Model is equipped with a two-piece horizontal chromed-tube assembly, adjustable 6 lb. boom counterweight, heavy-duty gyromatic swivel, Atlas Sound wearproof clutch and triangular cast iron base. SB-36W includes silent-motion, ball-bearing swivel casters of hard rubber for friction-free and vibration-absorbing mobility. Tubing terminates in the standard ⅝" - 27 thread pattern, and supplied with guide clips for microphone cable attachment. Tubing is finished in chrome; base is ebony epoxy with a chrome cover.

MODEL	TUBE STYLE	STAND HEIGHT	BOOM LENGTH	BOOM COUNTERWEIGHT	BASE SPREAD
SB-11WE	Two-section	43" - 68"	60"	Adj., 2 lbs.	**21"
SB-36W	Two-section	49" - 73"	62"	Adj., 6 lbs.	**21"

** Dimension includes wheels. Triangular cast base is 15".

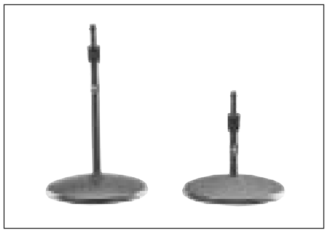
SB-36W

INSTRUMENT MIKING STANDS

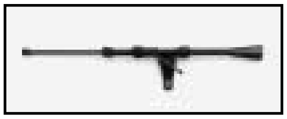
LOW-HEIGHT ADJUSTABLE STANDS

DMS-7(E)/DMS-10(E). Low-profile stands with high-stability cast base are ideal for professional drum miking applications. All feature adjustable-height tubing and the famous Atlas Sound clutch for precise orientation and a 10" dia. cast iron base for dependable positioning and isolation from drum vibrations. Models DMS-7(E) combine a floor-stand base with desk-stand height—ideal for kick-drum miking. DMS-10(E) are taller versions, ideal for miking toms and larger guitar amps. All include a threaded tip assembly for compatibility with microphone clamps, goosenecks, and booms. (Mini-adjustable boom Models PB11X(E) are great companions.) Units are finished in chrome or ebony epoxy (E) where noted.

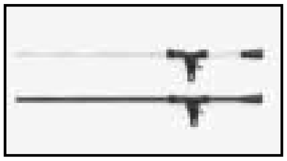
MODEL	HEIGHT SPAN	BASE SIZE	TUBE FINISH	BASE FINISH
DMS-7	8" - 13"	10" Dia.	Chrome	Ebony
DMS-7E	8" - 13"	10" Dia.	Ebony	Ebony
DMS-10	14½" - 26¼"	10" Dia.	Chrome	Ebony
DMS-10E	14½" - 26¼"	10" Dia.	Ebony	Ebony


DMS-10E *DMS-7E*

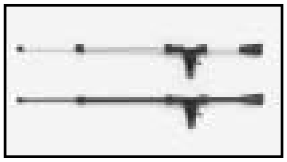
PERFORMER SERIES BOOM ATTACHMENTS



PB11XE



PB15/PB15E



PB21X/PB21XE

GENERAL DESCRIPTION

Performer Series booms are manufactured in the U.S., to the highest quality standards and combine exceptional styling with a unique, all-metal swivel clamp (US patent # 354,491) for greater user flexibility. Clamp features Glide'n Position tubing with nylon brake bushings for smooth horizontal adjustment. Resilient washers are made from compressed virgin wool fiber (in lieu of rubber) to offer quiet and secure positioning even after years of use. Extra-strength, steel T-bar knob assures no-fail locking with simple one-hand adjustment in the vertical plane. All versions include counterweights for increased balance and stability. All clamps are finished in non-reflective ebony epoxy. Tubing is manufactured of CRS and terminates in the standard ⅝" - 27 thread pattern.

MINI ADJUSTABLE BOOM

PB11X/PB11XE. Compact booms extend from 16¼" to 24½" with a single motion—perfect for drum/piano/guitar amp and short distance miking. Units include a threaded end cap and a fixed ¾ lb. counterweight for stability. Finish is chrome or ebony epoxy (E) where noted.

FIXED-LENGTH BOOMS

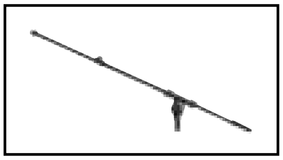
PB15/PB15E. All-purpose, high-quality booms are 34" long and include fixed ¾ lb. counterweights for stability. Select from chrome or ebony epoxy (E) finish as noted.

EXTENDABLE-LENGTH BOOMS

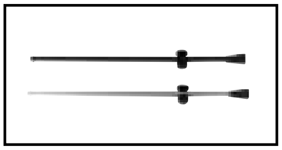
PB21X/PB21XE. Booms extend from 25¼" to 38½" with a single motion and are suitable for a wide variety of miking applications. Units contain a fixed ¾ lb. counterweight and threaded end cap. Finish is chrome or ebony epoxy (E) as noted.

MODEL	LENGTH	TUBE FINISH	WEIGHT	SWIVEL	COUNTERWEIGHT
PB11X	16¼" to 24½"	Chrome Plated	2.0 lbs.	Threaded ⅝" - 27 Female Mount	Fixed, ¾ lb.
PB11XE	16¼" to 24½"	Ebony Epoxy	2.0 lbs.		Fixed, ¾ lb.
PB15	34"	Chrome Plated	2½ lbs.		Fixed, ¾ lb.
PB15E	34"	Ebony Epoxy	2½ lbs.		Fixed, ¾ lb.
PB21X	25¼" to 38½"	Chrome Plated	2½ lbs.		Fixed, ¾ lb.
PB21XE	25¼" to 38½"	Ebony Epoxy	2½ lbs.		Fixed, ¾ lb.

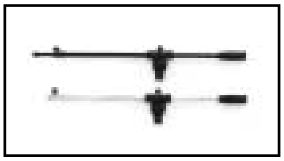
TRADITIONAL BOOM ATTACHMENTS



BE-E



BB-77E/BB-77



BB28XE/BB28X

GENERAL PURPOSE FIXED-LENGTH BOOMS

BE-E. This versatile, low-cost boom features adjustable-length positioning for extended mic range applications. The two-piece boom extends 24" - 39". Includes a molded plastic handle, metal swivel clamp with protective rubber insert, and an easy-grip knob for vertical alignment. Adjustment for the main and extension boom includes a thumbscrew /brake system to provide secure positioning and prevent tube marring. Tube assemblies are manufactured of CRS and terminate in standard ⅝" - 27 thread pattern. Satin ebony (E) finish. 2 lbs.

MODEL	LENGTH	TUBE FINISH	WEIGHT	SWIVEL	COUNTERWEIGHT
BE-E	24"-39"	Satin Ebony	2 lbs.	Threaded ⅝" - 27	None

BB-77/BB-77E. Basic, multi-purpose 34" boom features a fixed ¾ lb. counterweight, thread-on die cast swivel, single-action positive locking, and new easy-grip knob for positioning control. Ideal for application with floor stands or accessory components. Model BB-77 has chrome finish tubing; BB-77E is finished in non-reflective ebony epoxy.

MUSICIAN SERIES EXTENDABLE-LENGTH BOOMS

BB28X/BB28XE. Versatile, general-use boom features adjustable-length positioning for extended microphone range applications. Two piece boom extends 18" to 37" and is equipped with a molded plastic swivel-clamp threaded ⅝" - 27. Swivel includes a protective insert for secure and scratch-free horizontal positioning and an easy-grip knob for vertical alignment. Model BB28X is finished in chrome; BB28XE is satin ebony.

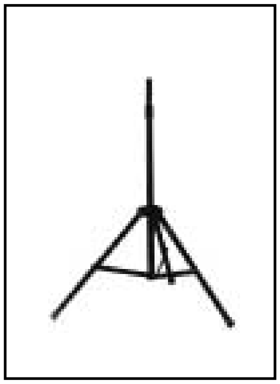
MODEL	LENGTH	TUBE FINISH	WEIGHT	SWIVEL	COUNTERWEIGHT
BB28X	26¼" - 38¾"	Chrome Finish	1.5 lbs.	Threaded ⅝" - 27 Female Mount	None
BB28XE	26¼" - 38¾"	Satin Ebony	1.5 lbs.		None
BB-77	34"	Chrome Plated	3.0 lbs.	Threaded ⅝" - 27 Female Mount	Fixed, ¾ lb.
BB-77E	34"	Ebony Epoxy	3.0 lbs.		Fixed, ¾ lb.

LIGHTWEIGHT ADJUSTABLE STANDS

SS500E. Designed for easy transportability, set-up and tear down, the new heavy-duty Model SS500E aluminum speaker stand weighs a mere 7 lbs. and supports up to 150 lbs! Additionally, the stand folds to a minimal 53" making it a great portable stand for use in churches, schools, and theaters. Height adjusts from 54" to 85" for versatile positioning and support of sound, monitor, and control equipment. The SS500E is equipped with a positive clamping system complete with a safety support pin to assure safe, slip-free support of elevated equipment. Vertical tube assembly contains 1½" and 1⅜" tubing. Clutch mechanism includes a protective insert for scratch-free height adjustment. Legs are double braced and include heavy-duty rubber feet for extra stability.

SS500E

SS33E. Musician Series heavy-duty aluminum speaker stand supports up to 150 lbs. Its lightweight frame weighs a mere 6.3 lbs. for easy transportability, set-up, and teardown. The stand folds to a minimal 43" making it a great temporary stand for use in churches, schools and theaters. Height adjusts from 48" to 85" for versatile positioning and support of sound, monitor, and control equipment. Model is equipped with a positive clamping system complete with an air-damped safety release to assure slip-free support of elevated equipment. Vertical tube assembly contains 1½" and 1⅜" tubing. Universal platform style top adapter Model SSA-7 (order separately) is offered to mount a variety of equipment sizes and configurations. Finish is satin ebony.


SS33E

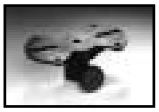
MODEL	BASE SIZE	HEIGHT SPAN	BASE STYLE	TUBE FINISH	BASE FINISH	WEIGHT
SS500E	50" Dia.	54" - 85"	Tripod	Satin Ebony	Satin Ebony	7 lbs.
SS33E	46" Dia.	48" - 85"	Tripod	Satin Ebony	Satin Ebony	6.3 lbs.

TOP ADAPTERS FOR STEEL & LIGHTWEIGHT STANDS

SSA Series. SSA-7 is a molded plastic adapter for stand Model SS33E. It features a platform base with two ⅜" x 2" equipment mounting slots and 4 holes to meet a variety of support applications.

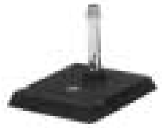
SSA-8. Increases speaker stand shaft diameter from 1⅜" to 1½" to fit into speaker bases having 1½" diameter mounting holes. Unit fits Models SS33E.

MODEL	BASE STYLE	MOUNTS TUBE SIZE	MOUNTS STAND MODEL
SSA-7	Universal Platform Mount	1⅜" Dia.	SS33E/SS500E
SSA-8	Increases Speaker Shaft1⅜" to 1½" Dia.		SS3300E


SSA-7

SSA-8

DESK AND BANQUET STANDS


DS-2

DS-5

DS-7E

DS-14

VIBRATION ISOLATING STAND

DS-2. Low-silhouette stand features an integral tension mount to reduce conductivity of external mechanical vibrations. High-stability metal base with protective pads includes notched area for convenient placement of cards or pens. Fixed-height tubing is chrome finished. Base is ebony.

GENERAL PURPOSE STANDS

DS-5/DS-5E. Fixed-height stands include traditional, circular cast iron base and choice of tubing finish: chrome or ebony (E) as noted. Stands are suitable for application with any standard microphone.

ADJUSTABLE STANDS

DS-7/DS-7E. Versatile stands have a vertical height adjustment from 8" to 13" and include wearproof clutch and ebony finish cast iron base. DS-7 features chromed tubing; DS-7E has ebony tubing.

CONTEMPORARY STAND

DS-14. Stand includes die-cast wishbone shaped base with ebony finish and fixed-height chrome tubing.

MODEL	HEIGHT SPAN	BASE SIZE	BASE STYLE	TUBE FINISH	BASE FINISH
DS-2	4"	4" W x 6" L	Cast Zinc	Chrome	Ebony
DS-5	5"	6" Dia.	Cast Iron	Chrome	Ebony
DS-5E	5"	6" Dia.	Cast Iron	Ebony	Ebony
DS-7	8" - 13"	6" Dia.	Cast Iron	Chrome	Ebony
DS-7E	8" - 13"	6" Dia.	Cast Iron	Ebony	Ebony
DS-14	3"	Wishbone	Cast Iron	Chrome	Ebony

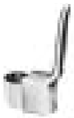
MIC STAND ACCESSORIES

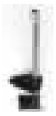
MAC-1

GN Series

CO-1B

LO-2B


CH-1B


BC-1

TM-1

VM-2

AD-15B

US-2

GOOSENECK FLEXIBLE EXTENSIONS

GN-6(E)/GN-13(E)/GN-19(E). Flexible goosenecks in 6", 13" and 19" lengths attach to any mic stand or adapter with ⅝" - 27 male and female threads. Inside dia. is .338". Chrome or ebony (E) finish.

CLIP-MOUNTING MICROPHONE ACCESSORIES

LO-2B(E). Lock-On accessory, respectively, allow fast connection and disconnection of plastic mic clamp holders and boom attachments with ⅝" - 27 threads for safe transportation. Available in chrome or ebony (E) where noted.

TM-1(E). Versatile mic mount for live sound and stereo recording. Mounts two or three mics onto any stand. Unit is 8¾" wide and fits mic clamps with ⅝" receptacles. Available in chrome or ebony (E).

US-2. Flange-mounting, multi-purpose mic support includes 12¾" L boom on a spring-loaded swivel with 180° vertical cable feed-thru. Mounts mics to lecterns, consoles, tables and desks. Chrome finish.

VM-2. Durable shock-mount accessory reduces external mechanical vibration pick-up. Die-cast unit can be left on a stand during transit unlike similar plastic accessories. Fits ⅝" - 27 threaded mics and mounts between the top tube of a ⅝" - 27 threaded stand and the mic clip. Chrome finish.

MULTI-PURPOSE CLAMPS

BC-1. Bracket-style surface clamp with 6" high chrome tube attaches to tables, desk, keyboard stands, and countertops for mounting mic and accessory items with standard ⅝" threads.

CO-1B. Connect-on swivel adapter/clamp provides for the addition of a second mic with standard ⅝" - 27 threads to any floor or desk stand with ⅝" or ⅞" dia. tubing. Ebony finish.

MAC-1. Multi-use adapter/clamp holds mics, booms, or accessories having ⅝" - 27 threads in vertical or horizontal orientation. Versatile unit also clamp mounts to ⅝", ⅞" and 1⅛" dia. tubing or to free-standing instruments, keyboards and drums. Made of high-strength extruded aluminum. Ebony finish. Weight: 1.5 lbs.

CABLE/TAMBOURINE HANGERS & CABLE FEED-THRU ADAPTER

CH-1B(E). Versatile accessory can be used to hang cabling or a tambourine. Single screw-mounting assembly fits all tube assembly sizes. Available in chrome or ebony (E).

AD-15B. Chrome 4" cable feed-thru adapter with standard ⅝" male and female threads.

COUPLINGS USED WITH TUBE EXTENSIONS & ACCESSORIES

AD-4B	¾" long, ⅝" - 27 male running thread; brass, no plating
AD-5B	⅝" - 27 female to ⅝" - 27 female coupling; chrome plated
AD-6B	⅞" female to ⅞"-27 female coupling; chrome plated

SURFACE-MOUNTING FIXTURES

AD-11B(E)	⅝" - 27 female flange with 1¾" base diameter; chrome or ebony (E)
AD-12B(E)	⅝" - 27 male flange with base holes on 1¼" centers; chrome or ebony (E)

TUBE EXTENSIONS USED WITH COUPLING ADAPTERS

AD-7B	3" long tube with ⅝" - 27 male at each end; chrome plated
AD-8B	6" long tube with ⅝" - 27male at each end; chrome plated
AD-14B	Right angle tube with ⅝" - 27 male and female end; chrome plated; 4" H x 4" Ext.
AD-19B	45° angle tube with ⅝" - 27 male and female end; chrome plated; 6" H x 3" Ext.
TB-58X	Adds 31" of height or length to any ⅝" tube; required AD-5B adapter
TB-78X	Adds 31" of height or length to any ⅞" tube; requires AD-6B adapter

AD-4B

AD-5B

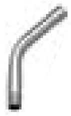
AD-6B

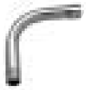
AD-7B

AD-8B

AD-11B

AD-12BE


AD-19B

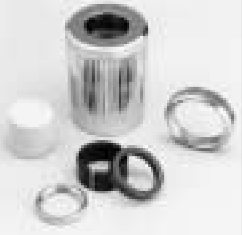

AD-14B

TB-58X

REPLACEMENT KITS

REPLACEMENT KITS

Another great advantage of Atlas Sound stands is that you can make minor repairs and refurbishments over the years. Atlas Sound is one of the few manufacturers who sells replacement parts for its stands. Contact factory for details.


MSC-K
Clutch Replacement Kit

1000 SERIES LOUDSPEAKERS

1012 & 1015

The 1012 and 1015 speaker models each feature a 2˝ x 6˝ high frequency horn to provide a full 90˚ of horizontal coverage. This horn accurately reproduces high frequencies and provides improved off-axis intelligibility. The Atlas Sound Power Sentry™ high frequency protection circuitry is included to protect the high frequency driver from damaging transients. The Power Sentry actually compresses the damaging parts of the audio signal, while passing through the dynamics that give the music its richness and character.

The Woofer features 1½" to 2" high temperature voice coils on Black Kapton formers. The motor structure is oversized, made of durable strontium ferrite material. Vented pole pieces on the woofers keep them cooler; extended pole pieces provide a very linear speaker movement, for enhanced power handling capabilities at high sound pressure levels.

The dual 10 degree trapezoidal shape reduces internal standing waves which can color midbass/midrange frequencies.

The full-face protective grille looks unique, and the curved shape adds strength. The grille material is a rugged 19 gauge cold-rolled steel and we designed the grille mesh with a 65% open area so you get maximum protection, with minimum sonic effect. Even the corners are oversize. Heavy-duty handles are ergonomically located for carrying comfort. Rugged, interlocking corner pieces allow for easy cabinet stacking. A 1⅜" pole mount cap is included for use with a speaker stand such as the Atlas Sound SS33E or an optional subwoofer such as the Atlas Sound 20115S.

MODEL	**1012**	**1015**
Type	Full-Range	Full-Range
Power Handling RMS	125	150
Power Handling Peak	175	225
Power Handling Total	500	600
Nominal Impedance	8 ohm	8 ohm
Frequency Response (±10dB)	38Hz-20kHz	36Hz-20kHz
Sensitivity (1w, 1m)	91.5dB	92dB
Crossover Frequency	1.8kHz	1.8kHz
Input Connectors	(1) ¼" Phono Jack (1) 5 way binding post	(1) ¼" Phono Jack (1) 5 way binding post
Weight	40 lbs (18.2 kg)	54 lbs (24.5kg)
Dimensions	24½" H x 19" W x 15¼" D 62.2cm x 48.3cm x 38.7cm	28¾" H x 22" W x 16⅜" D 73.1cm x 55.9cm x 41.6cm

2000 SERIES LOUDSPEAKERS

2012, 2015 & 20215

The 2000 Series features a 90˚ x 90˚ Constant Directivity horn coupled to a 1" Compression driver. This design ensures superior off-axis coverage and improved vocal clarity and projection. And, for greater control over the high frequency response, we have included a variable horn attenuation circuit. This circuit allows you to tailor the high frequency response for the venue.The 2000 Series features the Atlas Sound Power Sentry™ high frequency protection circuitry.

The Woofer features 2" to 2½" high temperature voice coils on Black Kapton formers. The motor structure is oversized, made of durable strontium ferrite material. Vented pole pieces on the woofers keep them cooler; extended pole pieces provide a very linear speaker movement, for enhanced power handling capabilities at high sound pressure levels.

The 2000 Series features the same cosmetics and construction as the 1000 Series.

MODEL	**2012**	**2015**	**20215**
Type	Full-Range	Full-Range	Full-Range
Power Handling RMS	150 watts	200 watts	300 watts
Power Handling Peak	225 watts	300 watts	425 watts
Power Handling Total	600 watts	800 watts	1200 watts
Nominal Impedance	8 ohm	8 ohm	4 ohm
Frequency Response (±10dB)	36Hz-20kHz	35Hz-20kHz	36Hz-20kHz
Sensitivity (1w, 1m)	94dB	95dB	96dB
Woofer Size	12"	15"	(2) 15˝
Tweeter/Horn Coverage	90 degrees x 90 degrees	90 degrees x 90 degrees	90 degrees x 90 degrees
Tweeter/Horn Type	Constant Directivity	Constant Directivity	Constant Directivity
Crossover Frequency	2.5kHz	2.5kHz	2.5kHz
Maximum SPL	122dB	124dB	127dB
Selector Switch	Horn Level	Horn Level	Horn Level
Input Connectors	(2) Parallel ¼" Phone Jacks (2) Parallel Neutrix 4 pole Speak-on	(2) Parallel ¼" Phone Jacks (2) Parallel Neutrix 4 pole Speak-on	(2) Parallel ¼" Phone Jacks (2) Parallel Neutrix 4 pole Speak-on
Weight	45 lbs (20.6kg)	61 lbs (27.6kg)	87 lbs (39.6kg)
Dimensions	24½" H x 19" W x 15¼"D 62.2cm x 48.3cm x 38.7cm	28¾" H x 22"W x 16⅜"D 73.1cm x 55.9cm x 41.6cm	46¾"H x 22"W x 16⅜"D 118.7cm x 55.9cm x 41.6cm

PROFESSIONAL STAGE MONITORS

Low frequency reproduction is enhanced by using, multiple, smaller woofers. For comparison, by using (2) 8" drivers in the 2028, output is greater than a single 12" woofer. Respectively, using (2) 10" woofers in the 20210 provides more output than a single 15" woofer.

The 2028 and 20210 monitors feature a unique design. By mounting the (2) woofers horizontally with the high frequency driver centered on the horizontal plane, we create an effect we call, Targeted Dispersion Pattern. This means that the program material is focused at the performer. This reduces off-axis output that can bleed into other microphones, minimizing the need to lower the volume on your monitor system to avoid embarrassing feedback problems. Since this configuration is perfectly symmetrical, the performance is equal whether standing center, slightly left or right of the monitor.

2028 & 20210

MULTI-FUNCTIONAL ENCLOSURE

The 2028 and 20210 enclosures are constructed of High Density Polyethylene (HDPE). This material offers the sonic characteristics and strength of wood, yet increases durability and long lasting cosmetic integrity. This material also gives us much more flexibility in shape over a traditional wood enclosure. For instance, the cabinet is formed to provide dual throw angles of 25˚ and 45˚ for best placement and coverage regardless of stage dimensions. Also, since transportation space is always an issue, the small footprint and low weight makes these monitors a perfect selection for any mobile application.

MODEL	**2028**	**20210**
Type	Stage Monitor	Stage Monitor
Power Handling RMS	150 watts	200 watts
Power Handling Peak	225 watts	300 watts
Power Handling Total	600 watts	800 watts
Nominal Impedance	8 ohm	8 ohm
Frequency Response (± 10dB)	56Hz-20kHz	48Hz-20kHz
Sensitivity (1w, 1m)	94dB	95dB
Crossover Frequency	2.5 kHz	2.5 kHz
Maximum SPL	122dB	124dB
Input Connectors	(2) Parallel ¼" Phono Jacks (2) Parallel Neutrix 4-pole Speak-on	(2) Parallel ¼" Phono Jacks (2) Parallel Neutrix 4-pole Speak-on
Weight	28 lbs (12.7 kg)	36 lbs (16.3 kg)
Dimensions	10½" H x 28⅝"W x 14¹⁵⁄₁₆"D 26.7cm x 72.7cm x 37.9 cm	12¹⁄₁₆" H x 34¾" W x 17³⁄₁₆"D 30.6 cm x 88.3 cm x 43.7 cm

SINGLE REFLEX BANDPASS SUBWOOFER

ADVANTAGES OF BANDPASS DESIGN

The bandpass design offers many distinct advantages over traditional vented subwoofers —No External Crossover Required.

Louder - 97dB (1w,1m) - Much more efficient than front loaded designs.

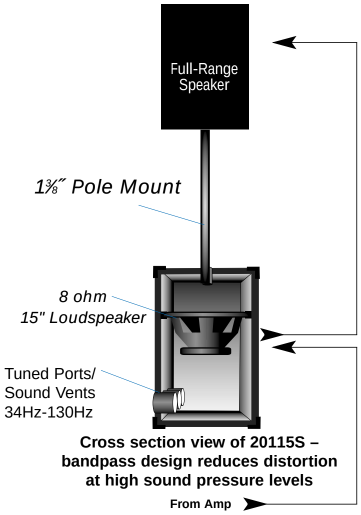
More Power - Up to 1200 watts Total Power Handling.

Less Distortion - Eliminating the high frequencies reduces upper harmonic distortion. Improved Reliability - The sealed upper chamber helps protect the subwoofer from excursion damage caused by demanding low frequencies. In addition, the woofer is fully encased within the cabinet, protecting it from physical damage.

Dado interlocking construction, Oriented Strand Board (OSB), Heavy-duty handles, Rugged, interlocking corner pieces, A 1⅜" pole mount cap is included for mounting of a full range speaker. The ATLAS ET26 black steel mounting pole is available as an accessory.

20115s

MODEL	**20115S**
Type	Bandpass Subwoofer
Power Handling RMS	300
Power Handling Peak	425
Power Handling Total	1200
Nominal Impedance	8 ohm
Frequency Response (± 10dB)	34Hz-130Hz
Sensitivity (1w, 1m)	97dB
Woofer Size	15"
Maximum SPL	128dB
Input Connectors	(2) Parallel ¼" Phone Jacks (2) Parallel Neutrix 4 pole Speak-on
Weight	63 lbs (28.5 kg)
Dimensions	28¾"H x 22¾"W x 17⅜"D 73cm x 57.8cm x 44.8cm



Cross section view of 20115S – bandpass design reduces distortion at high sound pressure levels

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