

RN-2

MICROPHONE AUDIO MIXER

INSTALLATION AND OPERATING INSTRUCTIONS

Model RN-2 is a audio mixer for combining two microphones or two speaker/microphones into one audio zone. It is mounted between the two microphones and the Louroe base station or other receiving equipment. Contains an adjustment potentiometer for microphone balance control. The RN-2 is powered by the Louroe base station. If the base station is not used and RN-2 is interfaced directly with other equipment (VCR, etc.), then 12 Vdc power must be applied to terminals A and C of either the input or output terminal block of the RN-2.



NOTE: RN-2 is a mixer for combining two microphones or two speaker/microphones to create a larger audio monitoring zone. Both microphones serve as one zone. They are **NOT** on separate channels

WIRING REQUIREMENTS

Microphone Only:
 Louroe Verifact® A, B, C, D, D-V, E, K or L-DT



Speaker Microphones:
 Louroe Model TLI, TLM, TLMC, TLO, TLSP

WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

NOTE: Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent

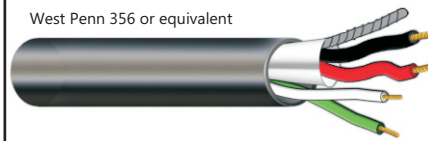


WIRING REQUIREMENTS

4 Conductor consisting of:

- 2 Conductor **shielded**, 20 gauge with 22 gauge drain (microphone connection)
 - 2 Conductor **unshielded**, 18 gauge (speaker connection)
- All in the same jacket

West Penn 356 or equivalent



INSTALLATION AND OPERATING INSTRUCTIONS

MECHANICAL

RN-2 can be installed to a wall or flat surface with mounting screws or by using a strong double backed adhesive tape. It is located between the microphones and the Louroe base station.

WIRING CONNECTION FROM MICROPHONES TO RN-2

I. Bring in wiring from **first** Louroe microphone (or speaker/microphone) to **INPUT** side of RN-2 and connect as follows:

1. Wire from terminal A of microphone goes to A of RN-2
2. Wire from terminal B of microphone goes to B1 of RN-2
3. Wire from terminal C of microphone goes to C of RN-2

If microphone includes a speaker, speaker wires connect as follows:

- (a) Positive connection from speaker connects to SP terminal of RN-2
- (b) Ground connection from speaker connects to C terminal of RN-2

II. Bring in wiring from **second** microphone (or speaker/microphone) to **INPUT** side of RN-2 and connect as follows:

1. Wire from terminal A of second microphone goes to A of RN-2
2. Wire from terminal B of second microphone goes to B2 of RN-2
3. Wire from terminal C of second microphone goes to C of RN-2

If microphone includes a speaker, speaker wires are doubled up with first speaker at terminals C and SP of **INPUT** side.

CONNECTING RN-2 TO LOUROE BASE STATION

From **OUTPUT** side of RN-2, make connection to the Louroe base station as follows:

1. Terminal A of output goes to terminal A of base station
2. Terminal B of output goes to terminal B of base station
3. Terminal C of output goes to terminal C of base station
4. If speakers are included, terminals C and SP from **OUTPUT** side connect with C and SP of base station.

MICROPHONE BALANCE ADJUSTMENT

Located on the output side of the RN-2 Mixer is an adjustment potentiometer for microphone balance. If more volume is desired from microphone connected to the **B-1** input side, turn potentiometer counterclockwise toward the B-1 arrow. If more volume is desired from microphone connected to the **B-2** input side, turn potentiometer clockwise toward the B-2 arrow. For equal volume from the two microphones, position potentiometer to the center.

NOTE: DISTANCE BETWEEN MICROPHONE AND BASE STATION SHOULD NOT EXCEED 1,000'. THE RN-2 MIXER GAIN IS LIMITED THAT IT MAY NOT SATISFACTORILY DRIVE AN AUDIO LINE OF MORE THAN 1000'.

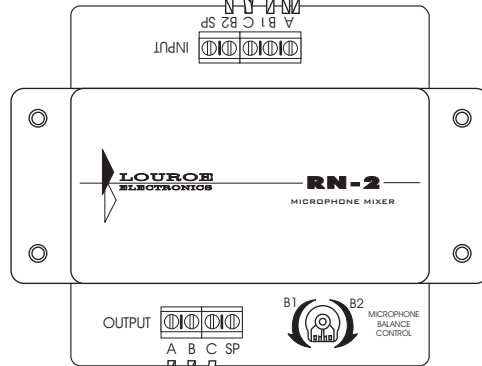
INTERCONNECTION DIAGRAM FOR
RN-2 MICROPHONE MIXER

LOUROE
MICROPHONE #2
TERMINAL BLOCK

LOUROE
MICROPHONE #1
TERMINAL BLOCK

TERMINAL BLOCK OF MODEL
A, B, C, D, D-V, E, K, AND L-DT MICROPHONES

WEST PENN 452
OR EQUIVALENT



MODEL RN-2 MICROPHONE MIXER

WIRING REQUIREMENTS
2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire
NOTE: Unshielded cable is not satisfactory for audio systems

West Penn 452 or equivalent

The diagram shows a cross-section of a cable with a black outer jacket. Inside, there are two insulated conductors (one red, one black) and a bare metal drain wire. The conductors are twisted together.

A B C

TO INPUT OF ALL LOUROE BASE STATIONS
IF-1, IF-2, IF-4, IF-8 AUDIO INTERFACE ADAPTERS

INSTALLATION AND OPERATING INSTRUCTIONS

SPECIFICATIONS

■ Input Impedance	20k Ω
■ Output gain	+5dB
■ Output Impedance	1k Ω @ 1kHz
■ Supply Voltage	12Vdc
■ Dimensions	6 1/8"L x 4 5/8"W x 1 3/8"H
■ Weight	5.5 oz
■ Shipping Weight	1 lb

IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:
Federal Regulations, US Code, Title 18.
Crime and Criminal Procedure, Sec 2510.

WARRANTY

LOUROE ELECTRONICS® warrants that at the time of shipment products manufactured by LOUROE ELECTRONICS® to be free of defects in material and workmanship. Should a defect appear within one year (12 months) from date of shipment, LOUROE ELECTRONICS will, at its sole discretion, repair or replace the defective equipment. This equipment shall not be accepted for repair or return without prior notification by LOUROE ELECTRONICS®.

This warranty does not extend to any Louroe product that has been subjected to improper or incorrect installation, misuse, accident, or in violation of installation instructions provided by LOUROE ELECTRONICS®.

Returned shipments to LOUROE ELECTRONICS® shall be at customer's expense. LOUROE ELECTRONICS® will return the equipment prepaid via best way.