2.8 Firmware Upgrade

GeoVision will periodically release the updated firmware on the website. The new firmware can be simply loaded into the reader by using **Update Utility** included in the Software CD.

Important Notes before You Start

Before you start updating the firmware, please read these important notes:

1. While the firmware is being updated, the power supply must not be interrupted.

2. Do not turn the power off within 10 minutes after the firmware is updated.

WARNING: The interruption of power supply during updating causes not only update failures but also damages to the device. In this case, please contact your sales representative and send your device back to GeoVision for repair.

To upgrade firmware:

1. Insert the Software CD and select **Run Firmware Update Utility**. This dialog box appears.

2. Select the COM port of the reader.

3. Click the **Browse** button to locate the firmware file (.bin) saved at your local computer.

4. Click **Update**.

5. The LED indicator should flash purple during the process of firmware upgrading. When the process is complete, the reader will be sounded twice and the LED indicator will change to green.

Note: You can also download the firmware upgrade utility from the GeoVision website: http://www.geovision.com.tw/english/5_8_AS.asp. Select **GV-Reader** from the drop-down list, click the **Download** icon [▼ DOWNLOAD] of **GV-RK1352 & GV-R1352 & GV-DFR1352 Firmware Upgrade Utility**.

2.9 Specifications

	GV-RK1352	GV-R1352	GV-DFR1352 (Rev. B)
CPU	8-bit microprocessor		
Frequency	13.56 MHz for ISO14443A (Mifare DESFire, Mifare Plus and Mifare Class)		
Wiegand Interface	Wiegand 26 / 34 bit, distance 100 m (328.1ft), 24 AWG, 13V DC min., 85 °C min		
RS-485	9,600 bps, connect up to 8 GeoVision readers (GV-CR420 / GV-Reader1251 / GV-SR1251 / GV-Reader1352 V2 / GV-R1352 / GV-RK1352 / GV-DFR1352) Distance 600 m (1968.50 ft), 24 AWG, 13V DC min., 85 °C min		
Input Rating	7.5V DC~12V DC, 200mA		
LED	Red, Green and Blue LED		
Beeper	Buzzer		
Reader Color	Black		
Supported ID Formats	Reads GID and UID		
Operating Temperature	-35 °C ~ 66°C / -31 °F ~ 150.8 °F		
Operating Humidity	10% ~ 90% (no condensation)		
Dimensions (W x H x D)	95 x 108 x 23 mm / 3.74 x 4.25 x 0.91 in	65.8 x 115.6 x 20.5 mm / 4.6 x 2.6 x 0.8 in	20.9 x 105.6 x 20.5 mm / 0.8 x 4.2 x 0.8 in
Weight	260 g / 0.57 lb	120 g / 0.26 lb	80 g / 0.17 lb
Ingress Protection	IP66		
Certification	CE, FCC, RoHS, UL 294, CUL		

Note: GID ID format is only supported in GV-RK1352 / GV-R1352 / GV-DFR1352 (Rev. B) V1.2 or later.

2.9.1 The Number of Readers Supported by GV-AS Controllers

GV-AS Controller Model	Number of RK1352 / R1352 / DFR1352 Supported	
	Wiegand	RS-485
GV-AS100	1	1
GV-AS1010	Not supported	2
GV-AS110 / 120	1	Not supported
GV-AS100 / 110 / 120 with GV-ASBox	2	4
GV-AS100 / 110 / 120 with GV-ASNet	Not supported	2
GV-AS210 / 2110 / 2120	4	8
GV-AS410 / 4110	8	8
GV-AS810 / 8110	8	16
GV-EV48	Not supported	2
GV-CS1320	Not supported	2

2.10 Accessory (GV-RK1352 and GV-R1352 Only)

Optional accessories can expand the capabilities and versatilities of your GV-RK1352 and GV-R1352 Card Reader. Consult your sales representative for more information.

GV-MountA900	GV-MountA900 is a mounting plate that allows you to attach GV-RK1352 and GV-R1352 to a US single gang power box. • Dimensions: 100 x 68 mm / 3.9 x 2.7 in • Weight: 55 g / 0.12 lb

Connecting GV-MountA900

1. Screw GV-MountA900 to the US single gang power box through holes C.
2. Thread the cable through GV-MountA900 and then attach the reader.
    * GV-R1352: Secure through holes A
    * GV-RK1352: Secure through holes B

US single gang power box