

Users Manual for RFID Card Reader

Specification:

Working Voltage: DC 9V-16V

Static Current: $\leq 80\text{mA}$

Reading Range: 5~10CM

Support EM-ID, M1card, 15693card, and 1443A, 1443B Card

Ambient Temperature: $-20^{\circ}\text{C} \sim 50^{\circ}\text{C}$

Ambient Humidity: 10%~90%

International Standard Wiegand Interface

Small than 100M Communication Distance

Installation:

Using "+" type screw driver to loosen the screw between the panel and motherboard. And then embed the motherboard to the side wall with the plastic plug and screws.

Wire Connection:

WG26/34	RS485	RS232
Red: DC 9V-16V	Red: DC 9V-16V	Red: DC 9V-16V
Black: GND	Black: GND	Black: GND
Green: D0	Green: 4R+	Green: RX
White: D1	White: 4R-	White: TX
Blue: LED		
Yellow: BEEP		
gray :Door Bell		
purple: Door Bell		

Notice!

1. Confirm the electric voltage (DC12V) and differentiate positive anode and cathode of power supply
2. When external Power is used, make sure sharing the power with Controller Box or using the same GND
3. The wire connects reader to controller, advise use 8 cores stranded twisted pair cable(among them, three strands are spare, if no need reader show illegal card s by sound and light, LED wire can not be used, data wire Data1 Data0 are twisted pair would be better, we suggest sectional area are 0.22 square millimeter at least. The length should not exceed 100meters.

Federal Communications Commission (FCC) Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this device not expressly approved by **Guangzhou Haoyun Security Technology Co., Ltd** may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.