

MW-RF-L User Manual

MW-RF-L USB ID Card reader, (free of driver), which use microelectronics RFID module and embedded micro-controller, also combined with efficient decoding algorithms and advanced data processing technology to complete the EM4001 card or the compatible EM Cards' decoding and data output.

As a kind of external input devices of computer, the reader can input the card serial number into computer via USB, which equal to use automatic keyboard to input . and then only need word, or notepad software to record the card No.

The reader is reliable and easy to operate.

I. Technical Parameters:

Completely support compatible em4100 ID card (64bits,Manchester encoding)

Frequency: 125KHz

Power supply: DC5C($\pm 5\%$), USB port

Current: <100mA

Effective operation distance: 100mm

Interface: USB

Status Indication: 2 LED(one indicate the power, another indicate the operating status), 1 BUZ

Operating Temperature: -10°C ~ +70°C

Storage Temperature: -20°C ~ +80°C Humidity: 0 ~ 95%

Dimension: 115mm × 82mm × 25mm

Weight: 100g (without communication line)

150g (with communication line)

II. Instructions

Connect USB data wire between device and PC, after 10 seconds for testing the system.

Then punch the card, and execute the following steps in PC:
Start----Program----Accessories----Notepad. When the red LED light turn to green, and Buzzer sounds, Card Number will show in Notepad automatically Lines (No need press "Enter" for it).

III. Notes and Troubleshooting guide

The reader should amount to the position that facilitate the cards operation, meanwhile, please avoid closing to the monitor, due to the radiation may interfere with the normal operation of reader.

Please do not click the mouse when reading cards, which will avoid data transfer error.

The communication line between reader and computer should less than 15m.

Please read cards in the effective read area.

If there is no any response when reading cards, please attention below situation:
whether port is connected well or not
please check whether the RFID card is compatible with the reader
please check the RFID cards work well or not.
please check whether there is any other RFID cards in the effective reading area.

IV. If the transferring data is error , please check carefully below:
Whether you have clicked mouse when reading cards
Whether read cards in a strong electromagnetic field
Whether the communication line between reader and PC is too long.
Whether the card is in the effective read range area

FCC Statement

Warning:

1. 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.
2. This device complies with Part 15 of the FCC Rules. (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.

EU Regulatory Conformance

The equipment is in compliance with the essential requirements and other relevant provisions of the
Directive 1999/5/EC.

CE 0678



Note: The above information is applicable to EU countries only.