
# Transmitter SOLUTIONS REAKBLENFCV2 Multi Technologies Reader Instructions



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## Transmitter SOLUTIONS REAKBLENFCV2 Multi Technologies Reader

**Specifications**

- **Input Voltage (DC**): 12V
- **Operating Temperature: –**30°C to 75°C
- **Operating Humidity:** 10% to 90%
- **Operating Current:** 150mA
- **Typical Cable Length**: 2cm to 150m

## Product Information

The Multi-technologies Reader V1.1 is a versatile reader designed for various access control applications. It

features multiple technologies and interfaces for seamless integration. Power up Sequences:

The power-up sequence for the reader involves ensuring proper wiring connections and following the recommended power supply guidelines.

**Wiring:**

Refer to the color codes below for proper wiring connections:

| Color | Label | Description |
|---|---|---|
| Red | +12V dc | Power Supply to the reader |

**Troubleshooting:**

If you encounter any issues with the reader, refer to the following troubleshooting steps:

- **No Response when Power Up**: Check wiring connections and power supply.
- **Auto Restart**: Ensure proper power supply and stable connections.

**Recommendation:**

1. Use a Linear DC Power Supply for stable operation.
2. Utilize 22AWG shielded cable for reliable data transmission.
3. Implement one-point ground as indicated in the provided diagram.

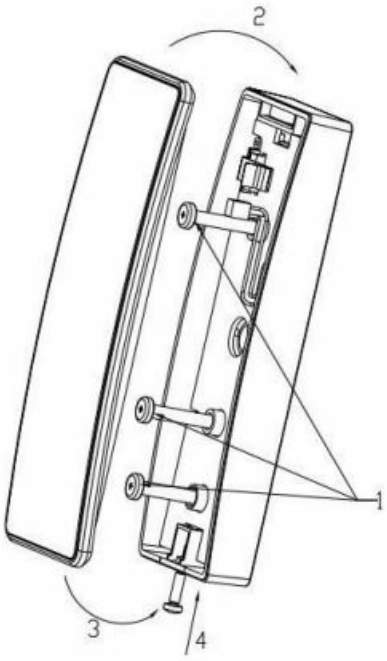
**FCC Statement:**

Any changes or modifications not expressly approved by the responsible party could void the user's authority to operate the equipment. The device complies with FCC regulations regarding interference and radiation exposure limits.

**FAQ:**

- **Q: What should I do if the reader beeps but does not provide card data?**
  - **A**: Check the buzzer and LED cable connections as per the wiring instructions. Power off the reader for 5 seconds and restart.

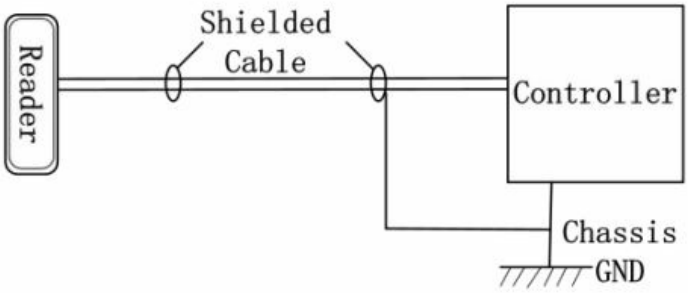
## Mounting




1. Install the back plate on the wall as shown in the side diagram (1).
2. The cover shall clip on the upper edge (2) the push in the bottom part as shown in the diagram (3).
3. Tighten the non-dropout screw, which is located underneath of the reader to fix the reader and the back plate (4), installation is completed.
    - **Note**: Please pay attention to the two sets of cables between the panel and the motherboard. If need to disconnect, please pay attention tothe buckle on the cable terminal, do not pull vigorously.

**Specification**

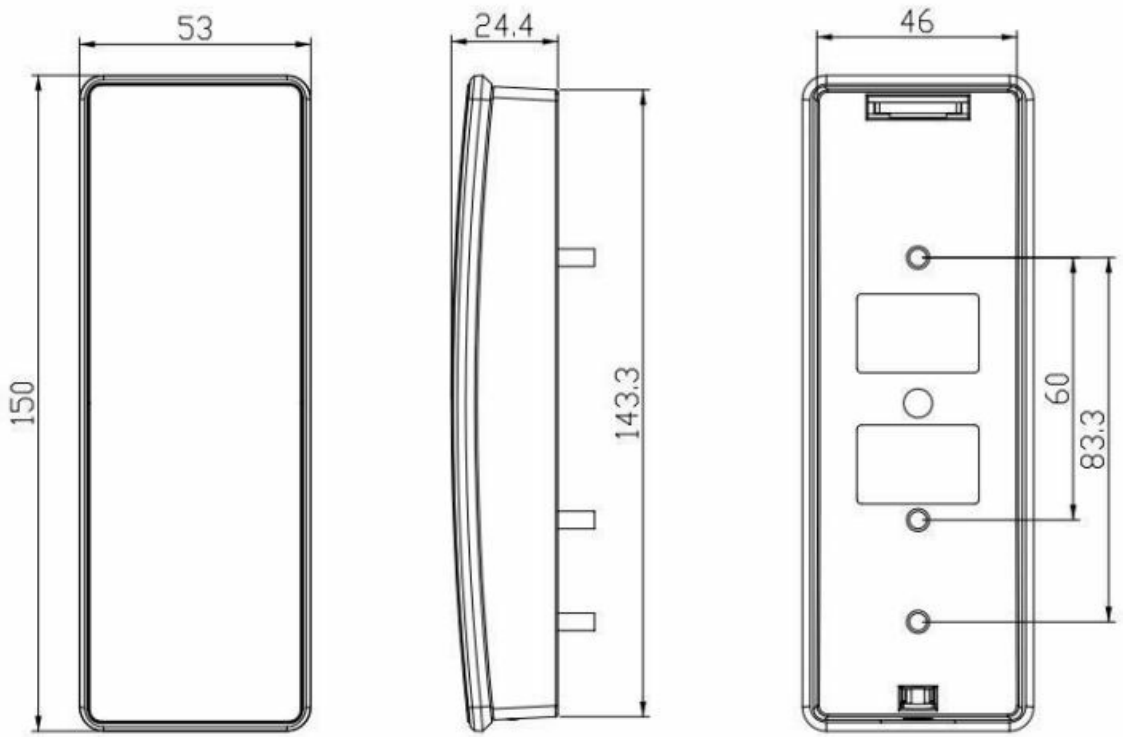
| | | | |
|---|---|---|---|
| Input Voltage (DC) | 12V | Operating Current | 150mA |
| Operating Temperature | -30-75℃ | Typical | ＞2cm |
| Operating Humidity | 10-90(%) | Cable Length | ＜150m |




**Recommendation:**

1. Linear DC Power Supply. 2. 22AWG shielded cable.
   It’s required to do “one-point” ground. (As shown in the diagram)

**Physical Dimension (mm) :**




**Power up Sequences:**

1. When power on starts the card reader, the green backlight flashes for 5 seconds, accompanied by the buzzer “drip” to indicate that the reader enters the working condition.
2. Swipe card, blue LED light flashing once, buzzer beep once.
3. When using bluetooth, the yellow LED of the reader lights up, the pink LED lights up once, and the buzzer beeps once.
4. The data is transmitted to the controller during the swipe, and the backlight status (original state, flashing, or green or red) depends on the different LED inputs.

**Wiring**

| Color | Label | Description |
|---|---|---|
| Red | +12V dc | Power Supply to the reader |
| Black | GND | Signal GND |
| Green | Data0 | Wiegand Output data, D0 |
| White | Data1 | Wiegand Output data, D1 |
| Yellow | RED LED | RED LED control, active low. |
| Blue | Green LED | Green LED control, active low |
| Brown | Buzzer | Buzzer input, active low |
| Orange | Tamper | Tamper output (open collector, Active low, max 100mA) |
| Purple | Doorbell | Door bell output (open collector, +5Vdc output ≤ 5mA) |

**Troubleshooting**

| Trouble List | Solution |
| --- | --- |
| No Response when Power Up | Disconnect the power and confirm that the power supply cable is correctly connected (See “Wiring” above).<br>Check the input voltage is sufficient (See “Specifications” above). |
| Auto Restart | Check the input voltage is sufficient (See “Specifications” above). |
| Cannot read card number correctly | Check the format setting on the controller if it is the same as the card format.<br>Use approved card (known format and Facility Code) to test.<br>Check if the shield cable is correctly connected to Classis Ground at ONE point |
| Reader beeps but No card data info | Check if data 0 & data 1 cable is correctly connected (See “Wiring” above).<br>Check the input voltage at the card reader end is correct (See “Specifications” above). |
| Buzzer error | Check if the buzzer cable is correctly connected (See “Wiring” above). |
| Back Lit Error | Check the LED cable is correctly connected (See “Wiring” above). |
| Keypad | Power off reader for 5 seconds and power on again |

### FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

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 the receiver.
- Connect the equipment to 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.
    - This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body

## Documents / Resources

| | |
|---|---|
|  | Transmitter SOLUTIONS REAKBLENFCV2 Multi Technologies Reader [pdf] Instructions REAKBLENFCV2, 2ASPO-REAKBLENFCV2, 2ASPOREAKBLENFCV2, REAKBLENFCV2 Multi Technologies Reader, Multi Technologies Reader, Technologies Reader, Reader |

## References

- User Manual