



## PCD-110 Middle range distance rfid reader(90-100cm)

### Introduction

The PCD-110 is a low cost and high performance proximity reader for reading ID code from uem4100compatible read-only tags. The reader features an extended reading range up to 1000mm. It is ideally suited to be applied in automatic parking system, personal identification, access control and production control systems etc.

### Features

- High sensitivity and reliable performance;
- Built-in transceiver antenna for maximum performance;
- Maximum effective distance up to 1000mm; Less than 100ms decoding time;
- Low power dissipation with single power supply;
- Multiple output format optional; Built-in buzzer;
- Built-in external LED control;
- Potted for environmental protection.

### Specification

Static Current	120mA
Reading Range	90~100CM
Support EM-ID Card	
Ambient Temperature	0°C~70°C
Ambient Humidity	10%~90%
International Standard Wiegand Interface	
More than 100M Communication Distance	

### Interface

Color	Description
Red	+12V DC
Black	GND
Green	DATA0
White	DATA1
Brow	HOLD
Yellow	External LED control(Internal 2K)

## 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.

## Trouble Shooting

When powered up, the reader take a self-test to ensure the best reading performance with the buzzer beeping continually.

When the self-test ends, the buzzer will give out a long beep and reader enter the normal working mode.

If the buzzer continue beeping without stop for a long time, please turn off the power and check out the environment and power supply to ensure locating the reader in a good working condition. In case of problems the following procedure should be followed:

Failure to finish self-test with the buzzer beeping continually or with a short reading distance

- 1) Turn off the power to the reader;
- 2) Check the power input connections making sure that they are not reversed;
- 3) Check the power supply complying with the specification;
- 4) If the supply has a current limit, set this to 350mA;
- 5) Make sure to install the reader in a environment without large area conductors nearby or mounting on a conductive surface. In self-test state, do not apply any tags in reader's functional area;
- 6) Try to change the installment of the reader to another place to check if the trouble still exists;

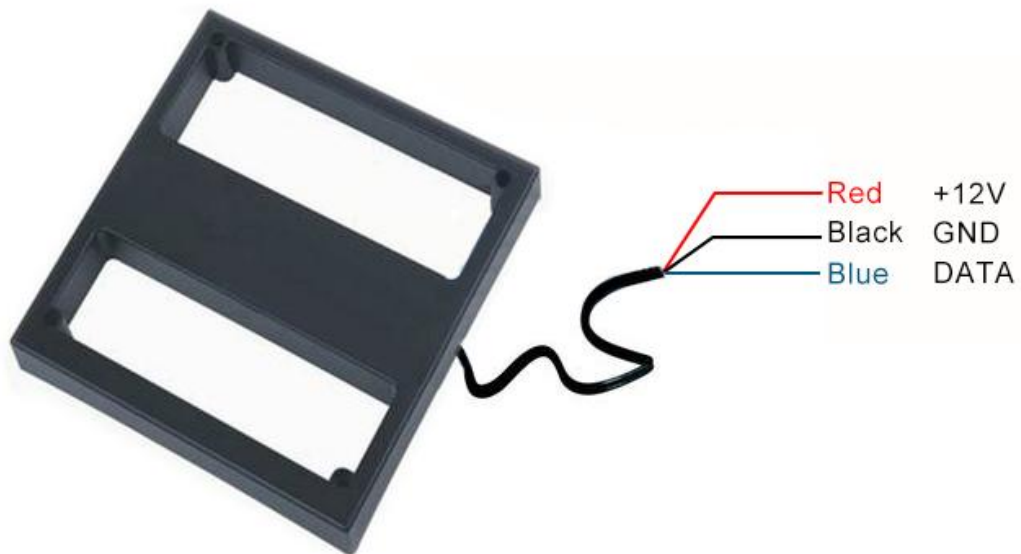
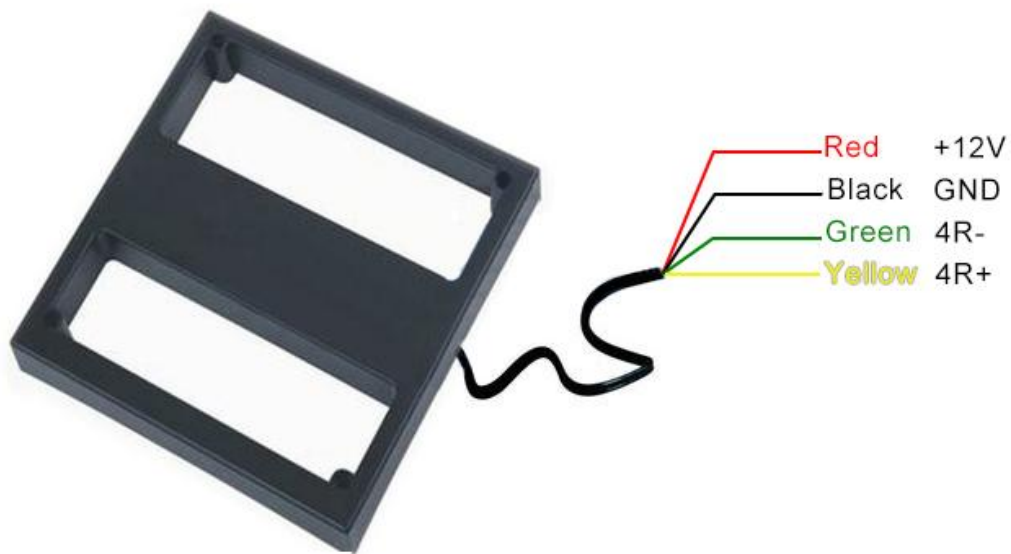
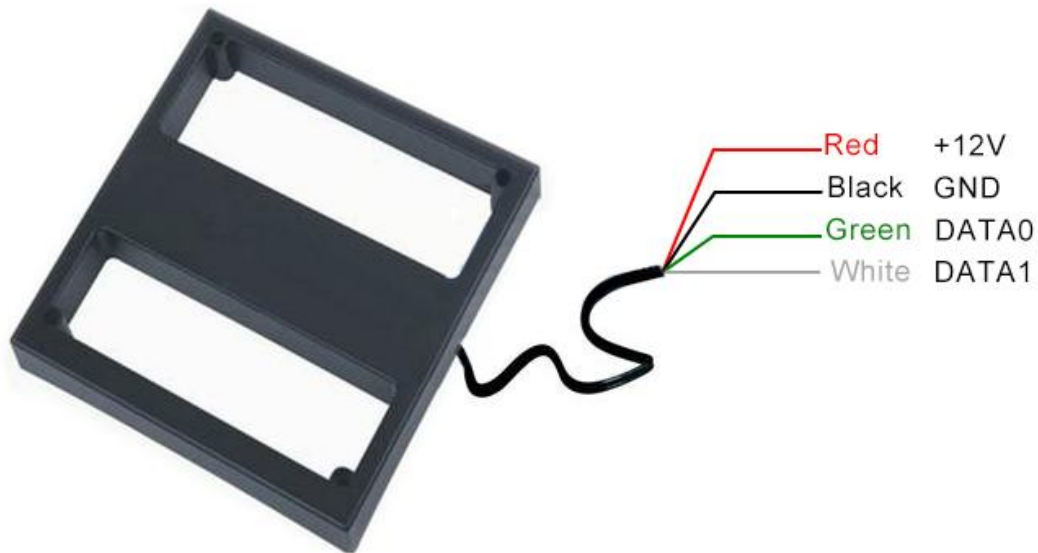
Note: Our products must work with linear regulated power supply, and other kinds of power supply are prohibited.

## Wire Connection

Red	DC 9V-14V
Black	GND
Green	DO
White	D1
Blue	LED
Yellow	BEEP

## 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. When the distance between card reader and controller is more than 50m, please use Power Line with at least 1.5 square cm Dia, or using several parallel Network wires



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