



## Yanzeo AR800 Animal RFID Reader

### Introduction:

AR800 is a long-distance card reader that supports FDX-B (ISO11784/85) format applied to 134.2kHz frequency. Its reading distance can exceed 40cm. Its excellent performance mainly includes automatic tuning and digital signal processing. These properties effectively increase the card reading distance and reduce cluttered signal oscillation and interference. This animal tag reader is extremely versatile, especially it can be easily used in animal husbandry management, breeding

### Basic parameters:

project	parameter
Support card	FDX-B (ISO11784/85)
communication method	Wiegand 26/34, RS232, RS485
Support frequency	134.2Khz
Sensing distance	40cm±5cm (varies according to different labels)
Reading distance	<0.55
Card reading time	<0.1s
Power supply	DC+ (7V~12V)
Operating temperature	-20℃~55℃
Working humidity	<90% without condensation
product material	PVC and sprayed plastic, filled with resin glue (effectively waterproof)
product size	260mm×260mm×35mm
Positioning size	220mm×220mm
Package Size	270mm×285mm×40mm
weight	Around 1.5kg
other	3 LED indicators + buzzer

### Usage and precautions:

#### 1. How to use/install

The AR800 card reader can be directly installed on the wall or in the card reader bracket.

#### installation steps:

- Punch holes on the wall according to the two mounting holes on the card reader (standard electrical installation bottom box)
- Fix the card reader to the wall with screws

#### 2. Wiring definition

Red	Black	White	Ash	Purple
DC12-15V (power supply +)	GND (ground)	232-TX	485-B	485-A

### 3. Precautions and simple troubleshooting

- The installation position of AR800 should be far away from interference sources such as the main power line, and do not install the antenna on a large steel plate, otherwise the distance will be shortened, and the auto tuning will even exceed the range. Allow the use of a suitable metal fixing frame. When the computer is in DOS mode, its display will seriously interfere with the card reader, especially the gun display. In addition, for laser printers, oscillations can also shorten the reading distance. During the machine's power-on self-test, there must be no proximity card in the sensing area!! Otherwise, automatic adjustment will be affected, and the most ideal card reading effect cannot be achieved.
- Installation precautions: The card reader must be installed on wood, concrete or brick wall, or placed on the desktop. Large-area steel products with a radius of no more than 120 cm. Do not plug or unplug the power supply when the power is on, otherwise the communication circuit of the card reader will easily be burned.

