

LF Handheld Bluetooth Reader Manual (ECO-LF HC 201)



Introduce

LF Handheld Bluetooth Reader is a handheld specially made for animal electronic identification. It uses an advanced RF transmitter / receiver circuits and embedded micro-controller, and combined with strict decoding algorithm to receive, verify, and read the data (information) of the IS011784FDX-B electronic tag.

The reader has the following characteristic

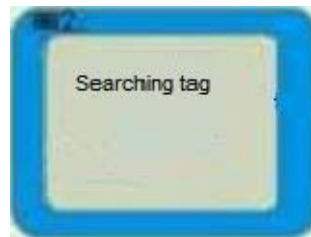
- Receiving data with high sensitivity
- Operating with small electronic current
- Portable
- High cost-effective

LF Handheld Bluetooth Reader can generate low-power radio frequency signals to stimulate animals implanted electronic tag to send feedback signals, convert it to data and display the data in the LCD screen after decode, verify the data.

This product uses large screen dot-matrix liquid crystal display, with visual clarity and flexibility.

User guide

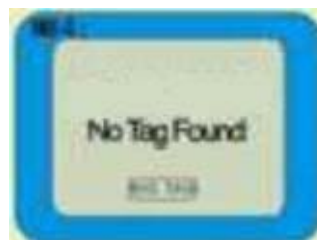
1. Start
Press the button, the reader will start automatically and search electronic tag.



2. Move the reader near the tag, the reader will beep after find a tag.



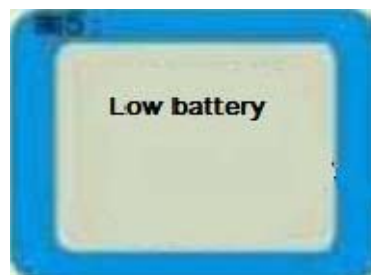
3. The reader will display information as follows if it doesn't find out any tag after it has searched tag for 15s.



4. You can press the button at any time to start to find tag.
The reader will shut down after you press the button for 5s.
The reader will shut down if you have no any operation in 20s.

Low battery warning

The reader will remind users to charge as soon as possible when the battery is low.
You can still continue to use the reader when the battery is low, but the performance will decline.
When the battery is lower than the deadline, the reader will stop working.



Main Technical Specifications

1. Operating frequency: 134. 2KHZ
2. Type:IS011784FDX-B compatible electronic tag
3. Reading distance:18cm
4. Power supply:7.4v Rechargeable lithium-polymer battery
5. Communication interface: USB
6. Operating Temperature 0 °C - +55 °C Humidity 98% relative humidity, non-condensing environment
7. Weight:300g (including battery)
8. Size:440*120*32mm
9. Charging time: 1 hour through professional charger Charge; 10 hours via a professional USB charge

The factors that affect the reading distance and the use of Attention

Since this equipment relies entirely on the RF signal to transmit digital signal and power between the equipment and electronic tag, so it is susceptible to be interfered by the surrounding environment which mainly affecting the reading distance.

Main interference:

1. Metal interference:
If there is a lot of metal around the antenna, this machine operating frequency will be affected. Reading distance will be affected too. If it is severe, the reader will fail to read tag. Method to solve the problem: move metal material as far as possible away from the machinery. In particular, don't have metal barrier in front of machines. Metal shield will block electromagnetic waves and cause equipment fails completely. If there is metal behind the machinery, it should be left at least 5 cm above the antenna.
2. Interfere with each other:
The two machines will interfere with each other if the distance between them is less than 1.5 meters. If two or more of the machines are used in the same place, the distance between them should be more than 1.5 m.
3. The same frequency interference:
The same frequency interference may lead to errors of reader function.