

# PET FINDER

## OVERVIEW

**Master Device:** Device that support BLE 4.0 Smart Ready and with App/Exe.

**Slave Device:** Pet Finder device that support BLE 4.0 Smart

**Sleep mode:** Slave device disconnected from master device and enter Low power mode 3;

**Broadcasting/Standby mode:** slave device ready for connect to master device, broadcast itself with broadcasting interval, but most of the time keep silent

**Connected/Transmitting mode:** slave device connected and exchange data with master device

The product is mainly used for short distance wireless transmission Bluetooth 4.0

The product can connect with Smart Phone, Notebook and other Bluetooth 4.0 Smart Ready device conveniently. It can be used to track the pet's distance, and alarm at smart device side if the pet is out of set warning distance.



## **ENGINEERING SPECIFICATION:**

Bluetooth specification: Bluetooth 4.0 Smart

Operation current: <25mA

Sleep current: <20uA

Operation voltage: 2.2V~3.3V

Battery low warning: 2.5V

Broadcast interval: 1 second default

Functional temperature range: -10 °C ~ +50 °C

PCBA Communication Range: 75 Meter max in open air.

Frequency range: 2.402GHz~2.480GHz

PCBA Dimension: 29 mm diameter,

Battery: 200mAH CR2032 (Sleep Mode: 1 years battery life), replaceable.

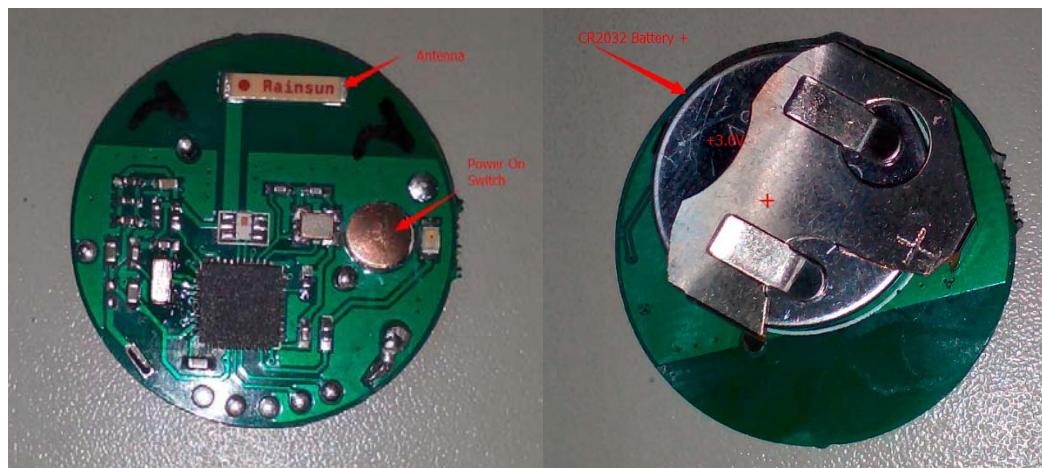
Alarm distance: configurable from 0.1 meter to maximum distance at smart device side

### **Smart device requirements:**

- A. IOS6.1.3 or higher version supports BLE 4.0 Smart Ready (for Iphone4S or above type of mobile phone).
- B. Android 4.3 or higher version supports BLE 4.0 Smart Ready.
- C. PC with BLE 4.0 Smart Ready

## OPERATION MANUAL:

- Download the App/Exe. software to the BLE 4.0 Smart Ready device. And open it., and search slave device(Pet Finder), then connect and set warning distance if any slave device nearby.
- Short time pressing the POWER key and then release the button, the LED will blink for about 3 seconds. This will wakes up the Pet Finder from sleep mode, and it will broadcast itself (the machine address signal and the connection request signal). Then master device can search the device for connection. After Master device searching and successful connection, slave device can exchange data with master device.



**\*Pls do not inverse the polarity of battery, and battery should be in position, otherwise will affect the communication distance.**

- When the distance between master device and slave device is beyond the setting distance, the master device will alarm the user.
- If user press power button for over 2 seconds, slave device will go to sleep mode.

**FCC statements:**

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.

CAUTION: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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.

**Federal Communication Commission (FCC) Radiation Exposure Statement**

Power is so low that no RF exposure calculation is needed.

For more information, please contact us with

Tel. No.: +86 0755 89931181

Fax No.: +86 0755 89930167

SHENZHEN · CHINA

IT - GROUP MFG(SHENZHEN) LTD