



**KBT-200 BLE Beacon**  
**User Quick Guide**



## Power Supply

---

The KBT-200 is powered by a built-in battery with a lifespan of 3 years. After this period, you may contact us for battery replacement.

## Installation

---

Tape-Adhered Installation

- a. Make sure the installation position is clean and dry.
- b. Remove the protective film of the 3M adhesive tape at the back of the device, and stick the device onto the position and press it with proper strength for 5 to 10 seconds.

## ➔ Kirisun App

You can set the parameters of the KBT-200 using the Kirisun App, an app supporting iBeacon mode.

You may download the app or obtain it from our sales person.

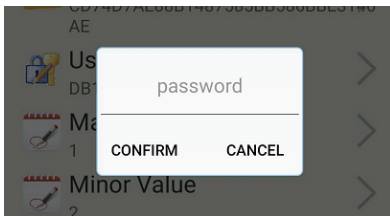
Run the app and enable Bluetooth if you are prompted to, and the app will start to scan nearby BLE beacons.



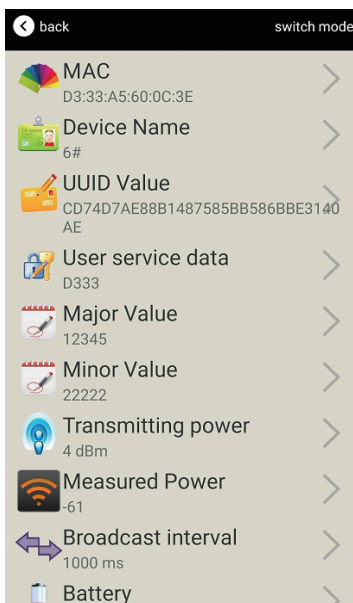
### Connect Bluetooth Beacon

Click the Bluetooth beacon to be connected, enter the password within 30 seconds, in order to obtain operating privileges .

(Factory Password:1234)



## Setting

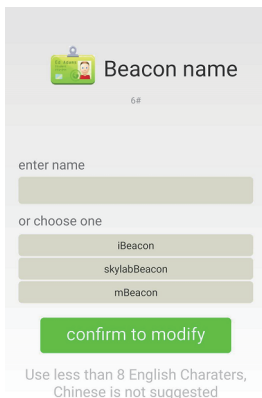


### Configuration Introduction:

- 1.MAC: The MAC address of the KBT-200.
- 2.Device Name: Rename the KBT-200.
- 3.UUID Value: The 128-bit (i.e. 16-byte) identifier of the KBT-200, conforming to the ISO/IEC11578:1996 standard.
- 4.Major Value: The 16-bit identifier of the KBT-200, ranging from 0-65535.
- 5.Minor Value: The 16-bit identifier of the KBT-200, ranging from 0-65535.
- 6.Transmitting power: The transmitting power of the KBT-200.
- 7.Measured power: The reference RSSI when the KBT-200 is 1 meter from the phone.
- 8.Broadcast interval: The broadcast interval of the KBT-200.
- 9.Battery: The remaining battery of the KBT-200.
- 10.Password: The default password of the KBT-200 is 1234.

### Modifying iBeacon Name

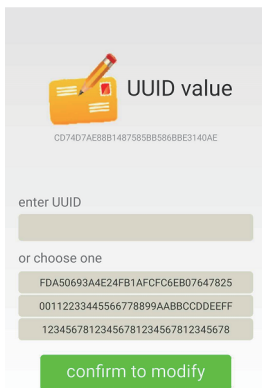
Click Device Name. In the popup interface, enter an English character string of 12 digits at most, and click confirm to modify.



The screenshot shows a popup window titled "Beacon name" with a small icon of a person. Below the title is a "6#" label. There is a text input field with the placeholder "enter name". Below this is a section "or choose one" with three buttons: "iBeacon", "skylabBeacon", and "mBeacon". At the bottom is a green "confirm to modify" button. A note at the bottom states: "Use less than 8 English Charaters, Chinese is not suggested".

### Modifying the UUID

Click UUID value. In the popup interface, enter 16 bytes (i.e. 32 hexadecimal characters), and click confirm to modify.



The screenshot shows a popup window titled "UUID value" with a notepad icon. Below the title is a hexadecimal string: "CD74D7AE88B1487585BB586B8E3140AE". There is a text input field with the placeholder "enter UUID". Below this is a section "or choose one" with three buttons containing hexadecimal strings: "FDA50693A4E24FB1AFCFC6EB07647825", "00112233445566778899AABCCDDEEFF", and "12345678123456781234567812345678". At the bottom is a green "confirm to modify" button.

---

## Modifying the Major and Minor

Click Major value or Minor value. In the popup interface, set a value from 0 to 65535, and click confirm to modify.

The screenshot shows a popup window titled "Major" with a notepad icon. The current value is 12345. Below the title is a text input field labeled "Enter Major" and a list of three options: 12345, 22222, and 63355. A green button labeled "confirm to modify" is at the bottom. A footer note reads "From 1 to 65535 choose a value to match Major".

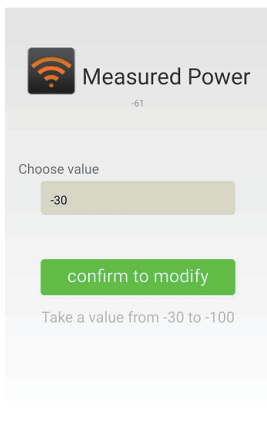
The screenshot shows a popup window titled "Minor" with a notepad icon. The current value is 22222. Below the title is a text input field labeled "enter Minor" and a list of three options: 12345, 22222, and 63355. A green button labeled "confirm to modify" is at the bottom. A footer note reads "From 1 to 65535 choose a value to match Major".

---

## Modifying Measured Power

Click Measured Power. In the popup interface, set a value from -100dBm to -30dBm (the default -61dBm), and click confirm to modify.

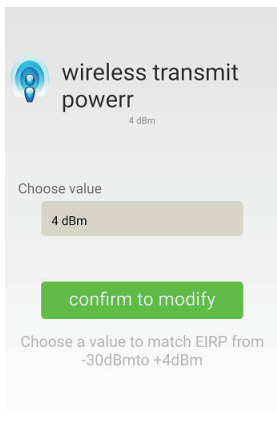
When this power is measured by the receiving device, the distance between the device and the KBT-200 is about 1 meter.



The screenshot shows a mobile application popup titled "Measured Power" with a Wi-Fi icon. Below the title, the current value is "-61". A section labeled "Choose value" contains a text input field with "-30" entered. A green button labeled "confirm to modify" is positioned below the input field. At the bottom, a note reads "Take a value from -30 to -100".

## Modifying Tx Power

Click Tx Power. In the popup interface, set a value from -30 to 4 dBm (the default 0 dBm), and click confirm to modify.



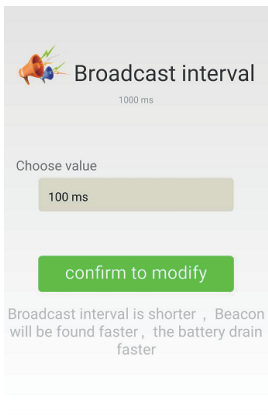
The screenshot shows a mobile application popup titled "wireless transmit power" with a lightbulb icon. Below the title, the current value is "4 dBm". A section labeled "Choose value" contains a text input field with "4 dBm" entered. A green button labeled "confirm to modify" is positioned below the input field. At the bottom, a note reads "Choose a value to match EIRP from -30dBm to +4dBm".



---

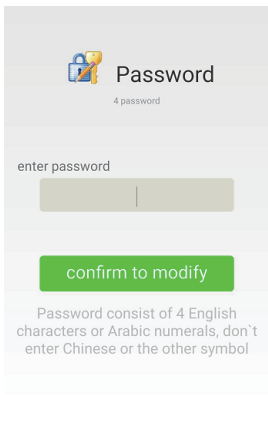
## Modifying Broadcast Interval

Click Interval. In the popup interface, set a value from 100 to 1000 ms (the default 500 ms), and click confirm to modify.



The screenshot shows a mobile application popup titled "Broadcast interval" with a speaker icon. The current value is "1000 ms". Below the title is a "Choose value" section with a text input field containing "100 ms". A green button labeled "confirm to modify" is positioned below the input field. At the bottom, a note states: "Broadcast interval is shorter , Beacon will be found faster , the battery drain faster".

## Modifying the Password



The screenshot shows a mobile application popup titled "Password" with a lock icon. The current value is "4 password". Below the title is an "enter password" section with a text input field. A green button labeled "confirm to modify" is positioned below the input field. At the bottom, a note states: "Password consist of 4 English characters or Arabic numerals, don't enter Chinese or the other symbol".

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

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.



Kirisun Communication Co., Ltd.