MokoBeacon User Manual

MokoBeacon User Manual

Please use the app—MokoBeacon published by Moko Technology to configure Moko iBeacon series products（We call these products as “MkiBeacon”）.

1. Turn ON/OFF MkiBeacon

Note: This step is suitable for products with button.

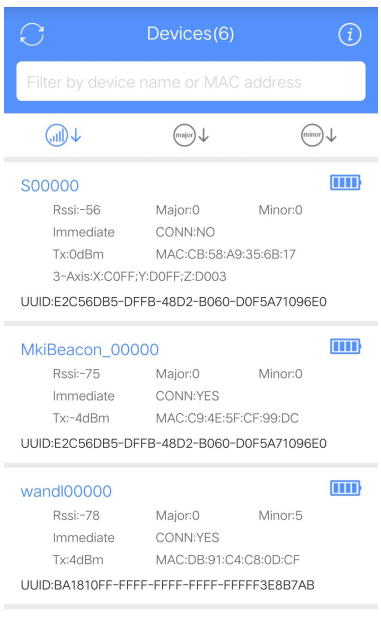
Turn ON MkiBeacon:

1. Press the button and keep holding for 2 seconds;
2. The red led flashes fast for several times and then turns off, it means that the beacon is on and starts broadcasting.

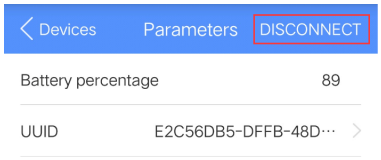
Turn OFF MkiBeacon:

1. Press the button and keep holding for 2 seconds;
2. The red led lights on 2 seconds and then turns off, it means that the beacon is off and s tops broadcasting.

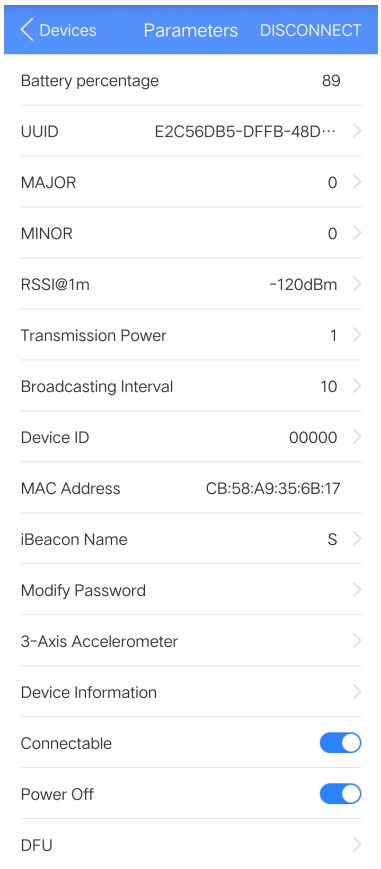
2. Scan and Connect to MkiBeacon



- When user turns on the mobilephone’ s Bluetooth, the APP can search nearby MkiBeac on devices. APP can sort the scanned device via signal strength, Major or Minor value.
- Clicking the device that needs to be configured, there will be a dialog box asking you to enter password. When the user enters the correct password, he can enter into the confi guration interface to configure parameters.
- The device will disconnect automatically if the user does not have any operation within 1 minute. User can click the **DISCONNECT** on the top right corner of the interface to re connect the device.



3. Configure MkiBeacon Parameters



Readable and configurable device parameters

```
- UUID
- MAJOR
- MINOR
- RSSI@1m
- Transmission Power
- Broadcasting Interval
- Device ID
- iBeacon Name
- Modify Password
- 3-Axis Accelerometer
- Connectable
- Power Off
- DFU
```

Readable and non-configurable device parameters

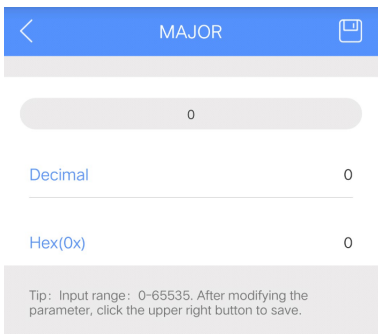
```
- Battery percentage
- MAC Address
- Device Information
- RSSI curve
```

Note: The IOS APP does not have the parameter information of the “MAC Address” and “DFU” columns. The Android APP does not have the parameter information of the “SSI curve” column.

3.1 Configure UUID

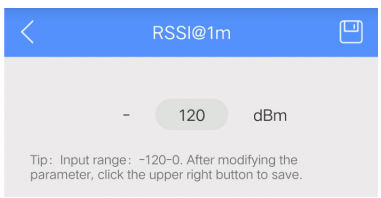
- Default UUID: E2C56DB5-DFFB-48D2-B060-D0F5A71096E0
- User can enter the UUID values that meet the requirements of the standard field in the input box(16bytes).

3.2 Configure Major and Minor



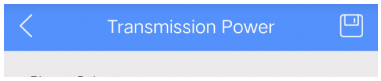
- User writes decimal digits to configure Major and Minor. The value ranges from 0 to 65535, corresponding to hexadecimal 0x0000 to 0xFFFF.

3.3 Configure Measured Distance（RSSI@1m (https://github.com/1m)）



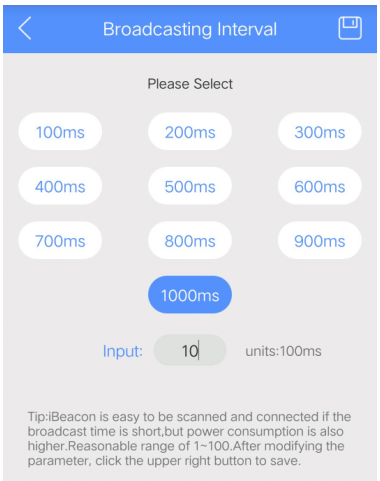
- RSSI—Received Signal Strength Indication
- RSSI (https://github.com/1m)@1m (https://github.com/1m) refers to Receiver device receives the signal strength in 1 meter. The value accords with the actual test results. Normally we don’t suggest that user configure this value.

3.4 Configure Transmission Power



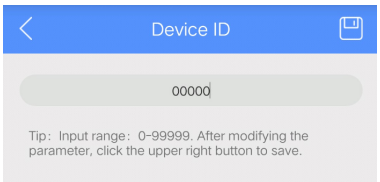
- The Transmission power of the device is determined by the chip.
- Transmission Power can be configured as one of the following data：-40dBm，-20dBm，-16dBm，-12dBm，-8dBm，-4dBm，0dBm，4dBm.

3.5 Configure Broadcasting Interval



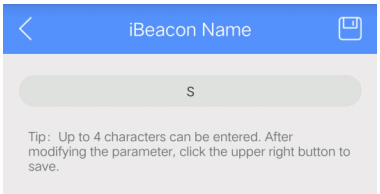
- The interval for the device to broadcast iBeacon information.
- The adjustable interval of Broadcasting Interval is 100ms, and broadcasting Interval ranges from 100ms to 10s.

3.6 Modify Device ID



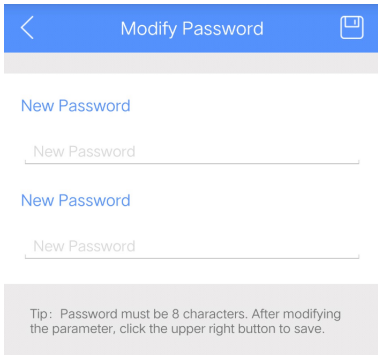
- Device ID，ranges from 00000 to 99999.

3.7 iBeacon Name



- Note: The maximum length of the device name without a 3-Axis accelerometer is 10 characters.
  Device name with 3-Axis accelerometer has a maximum length of 4 characters

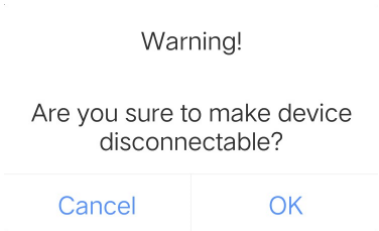
3.8 Modify Password



- Default password: **“Moko4321”**.
- Length of password：8 characters(ASCII visible characters).
- Users need to enter the same contents twice to modify password.

3.9 Configure Connection Mode

- Default connection mode: Connetable.
- When you want to use the APP to modify the MkiBeacon to a non-connectable state, th e following prompt window will pop up;



- When MkiBeacon is in disconnectable status, the device can’ t be configured. If you ne ed to recover the connectable mode, you should do as the follow steps (device in the di sconnectable status).

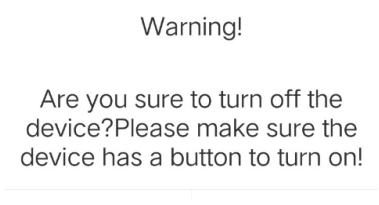
```
1. Long press the button for 3 seconds to turn off MkiBeacon;
2. Long press the button for 3 seconds to turn on MkiBeacon;
3. The device will be in connectable status after being restarted within 1 minute; User can connect to the device and change the connection mode to connectable status.
```

Warning：If the device does not have a button, it cannot be modified to be connectable.

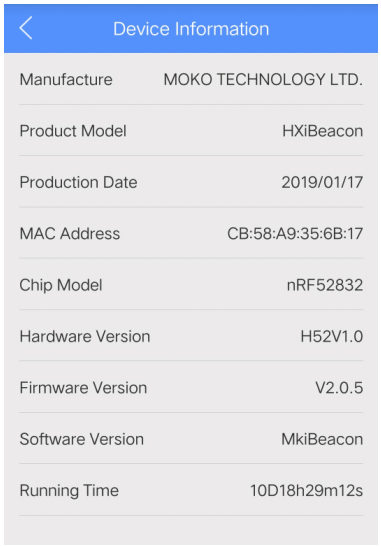
3.10 Power Off

- When the user wants to use the APP to shut down the device, or MkiBeacon does not s upport button shutdown, click the blue button on the right side of “Power Off” to sh ut down the device.

- The APP will pop up the following prompt window.



3.11 Device Information



- Manufacture
- Product Model
- Production Date
- MAC Address
- Chip Model
- Hardware Version
- Firmware Version
- Running Time

Revision History

Revision	Description	Approved	Date
V1.0	Initial Release	Kevin	2018.09.03
V1.1	Modify the interface and improve the description	Hannah	2019.04.01