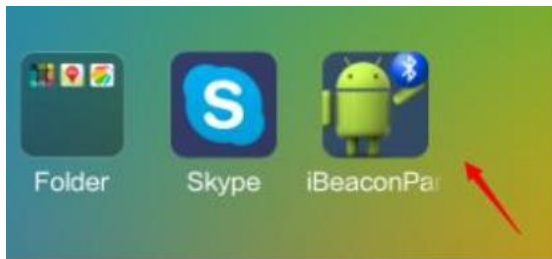
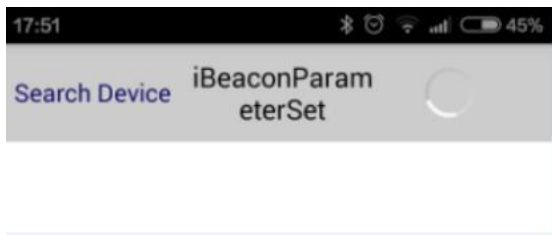


1. Install [iBeaconParameterSet.apk](#) in a Android phone. The phone must be Android 4.3 and above version. I use a phone with Android V4.4.



2. Power a beacon with battery. Click the app to search beacon.



3. After searched a beacon, click any place of the shown information



4. After enter into the beacon information, it only shows RSSI rate. Then you should click openconnect, then battery power and other information will show out.

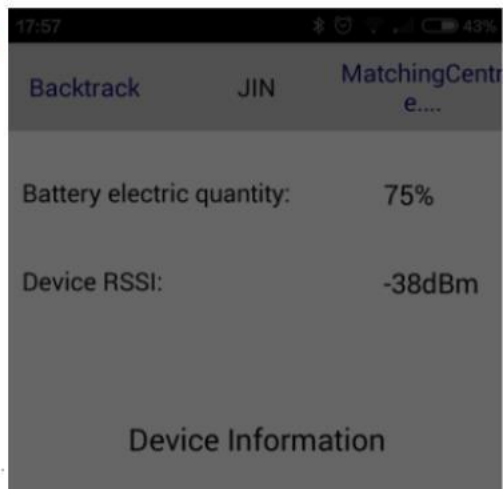


Battery electric quantity: 0%

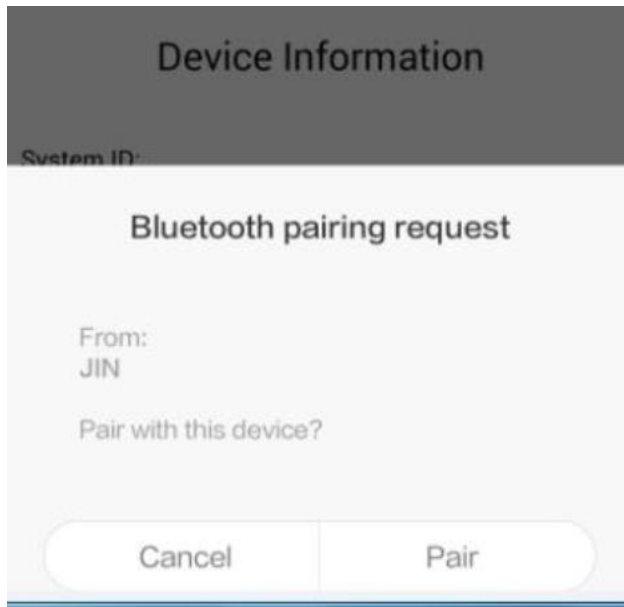
Device RSSI: -44dBm

#### Device Information

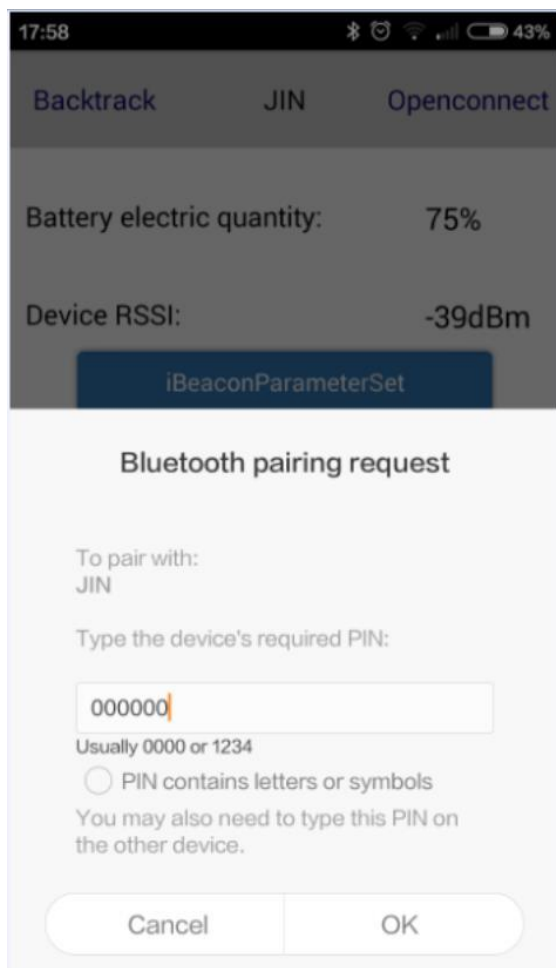
System ID:  
Model Number:  
Serial Number:  
FW rev:  
HW rev:  
SW rev:  
Manufacturer Name:



5. Meanwhile, there will be a notification ask you if you plan to connect with the beacon. Click pair.



6. There will another notification ask you to enter passcode. Enter 000000 to pair with beacon. **For iOS device, if the system Bluetooth icon already turn on, but APP do not pop up password window, thus user can not enter parameter setting interface; plz enter iOS system - Setting – Bluetooth, and delete the paring information of this beacon. Then restart system Bluetooth, and use APP to re-do the above steps.**



7. Enter this interface, click parameterup, enter into parameter setting interface. Now you can change Name, UUID, Major, Minor.

The left screenshot shows the 'Parameterup' tab selected. It displays device information: Battery electric quantity: 73%, Device RSSI: -60dBm, System ID, Model Number: JO-0466-2, Serial Number: 000000000000, FW rev: 1.4.0, HW rev: 2.0, SW rev: 0.2.2, and Manufacturer Name: Jinou.

The right screenshot shows the 'Parameterup' tab with a red arrow pointing to the 'Advanced Parameter' link. The fields are: Name (JIN), UUID (e2c56db5-dffb-48d2-b060-d0f5a71096e0), Major (0), Minor (38811), and Tx Power (-70).

8. Click Advance parameter, into another setting interface.  
Interval range: 160-10000. Unit: 0.625ms. 160=0.1s, 1600=1s, 3200=2s.  
For local Tx power, there are 4 classes. See below pic. After changed parameter, click save.

The screenshot shows the 'Basic Parameter' setting interface. It includes fields for Local Tx Power (1), Password (000000), Broadcast interval (3200), and Time (2014-01-01 00:01). Below these is a section for 'Device Work Time' with a table for Sunday, Monday, Tuesday, and Wednesday, each showing a time range from 0:00 to 24:00.

| Day       | Start Time | End Time |
|-----------|------------|----------|
| Sunday    | 0:00       | 24:00    |
| Monday    | 0:00       | 24:00    |
| Tuesday   | 0:00       | 24:00    |
| Wednesday | 0:00       | 24:00    |

There are 4 different rate of TX signal power. Our engineer tested the fastest connecting distance of phone and beacon.

Testing tool: Beacon BEC01 and Iphone 4S.

Testing environment: open field

| Local TX power    | Maximum connecting distance | Maximum finding distance |
|-------------------|-----------------------------|--------------------------|
| Level 0 ( 4dbm )  | about 35m                   | about 50m                |
| Level 1 ( 0dbm )  | about 30m                   | about 45m                |
| Level 2 (-6dbm )  | about 25m                   | about 40m                |
| Level 3 (-23dbm ) | about 4m                    | about 15m                |

Plz notice, distance may change a little between beacon and different devices.