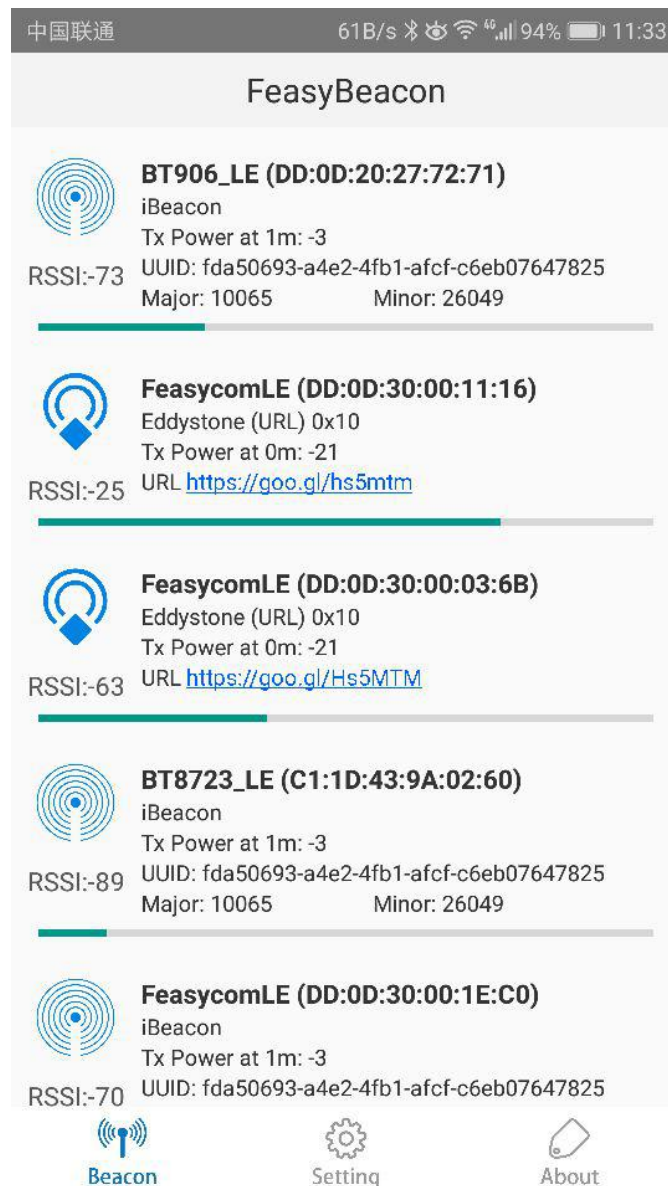


FeasyBeacon APP Introduction

- **Search UI**

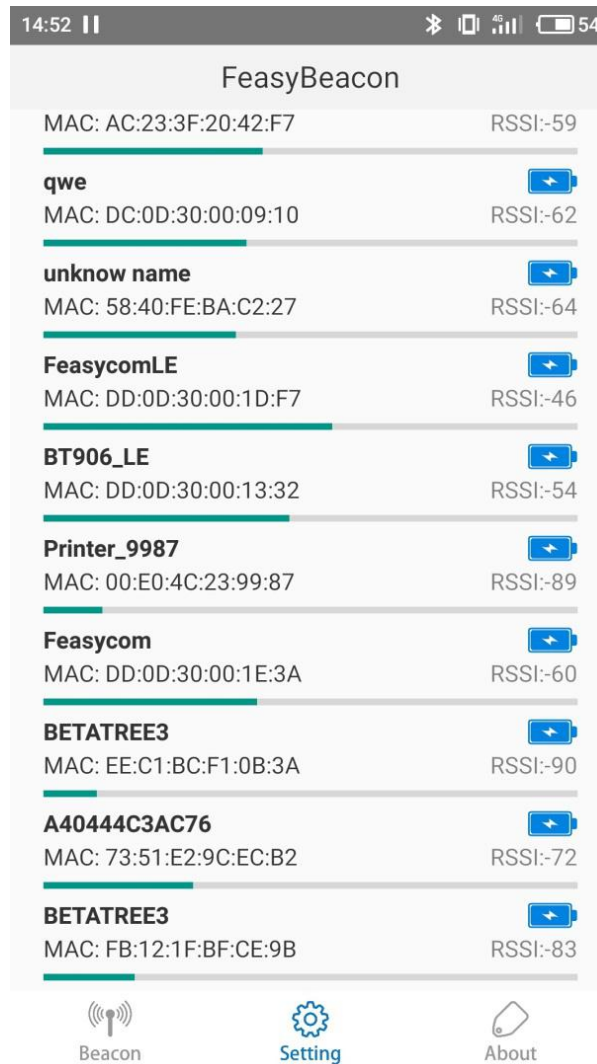
After installed the FeasyBeacon, open the APP, all the discovered Eddystone,iBeacon and AltBeacon devices are listing in this Search UI “Beacon” Item as the below Pic 1 showing.



Picture 1

- **Beacon Setting UI**

At “Setting” UI, it shows the beacon name, MAC Address, RSSI signal value, Battery status as Pic2. Select the device, enter to the beacon configuration. Input default pin code 000000, click “Yes” enter the Parameter Setting UI, as Pic3.



Picture 2

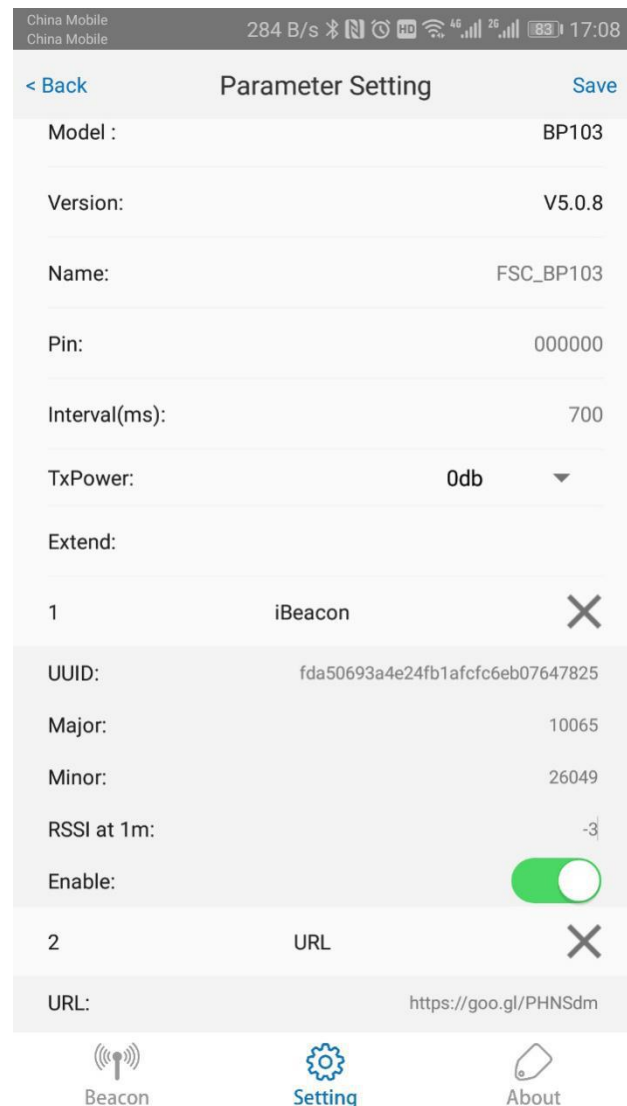
Notice:

“Timeout”, Please try again

“password failed”, the default pin code: 000000

- **Parameter Configuration UI**

Support to modify the beacon name/ pin code/ Interval/ TxPower, etc.
iBeacon/ Eddystone (URL/ UID)/AltBeacon broadcast types for option.
As below Pic3 showing.



Picture 3

Remarks:

TXPower: Only for BP103 & BP104. BP109 already with the best default TxPower

Enable: Active the broadcast

Pin Code: 6 Arabic Numbers

Broadcast Interval : 100-1280ms RSSI at 0/1: RSSI Signal Value Dec [-128,127]

Eddystone -UID Frame type

Note: 1 byte= 2 characters

UID consists with 3 parts: Namespace (10-byte)

Instance(6-byte)

RFU (2-byte ,reserved for future use, must be 0000)

Eg : UID Namespace : 00010203040506070809 (Hex)

Instance: 112233445566 (Hex)

RFU:0000(Hex)

Frame Value Input: 000102030405060708091122334455660000

Eddystone-URL Frame type

Note 1: Physical web only support the URL start with “https”, and the URL length must less than 17 bytes; More than 17 bytes, need to use Google URL

Shortner Tool: <https://goo.gl/>

Note 2: **URL validity check here:**

<https://beaufortfrancois.github.io/sandbox/physical-web/url-validator/>

Eg: URL: <https://www.google.com>

Frame Value Input <https://www.google.com>

iBeacon Frame Type

Note: 1 byte= 2 characters

iBeacon consists of UUID(16 Bytes), Major(2 Bytes), Minor(16 Byte)

Eg: UUID FDA50693-A4E2-4FB1-AFCF-C6EB07647825 (Hex)

 Major: 10065 (Dec)

 Minor: 26049 (Dec)

UUID: FDA50693A4E24FB1AFCFC6EB07647825

 Major: 10065

 Minor: 26049

AltBeacon Frame Type

Note: 1 byte= 2 characters

AltBeacon consists of 2 bytes manufacturer's company identifier code, 20 bytes beacon ID(ID1+ID2+ID3) and 1 byte reserved.

Eg:

ID1: FDA50693A4E24FB1AFCFC6EB07647825	(16 bytes, Hex)
ID2: FFFF	(2 bytes, Hex)
ID3: FFFF	(2 bytes, Hex)
Manufacturer Id : 26049	(2 bytes , Dec) range[0, 65535]
Manufacturer Reserved: FF	(1 byte, Hex)

“X” delete the Beacon Broadcasting

“+” add Beacon Broadcasting, as the Pic7

“Save” means save the information after modify.

Notice:

* Red characters means beyond limit or your characters are illegal, please modify and then save

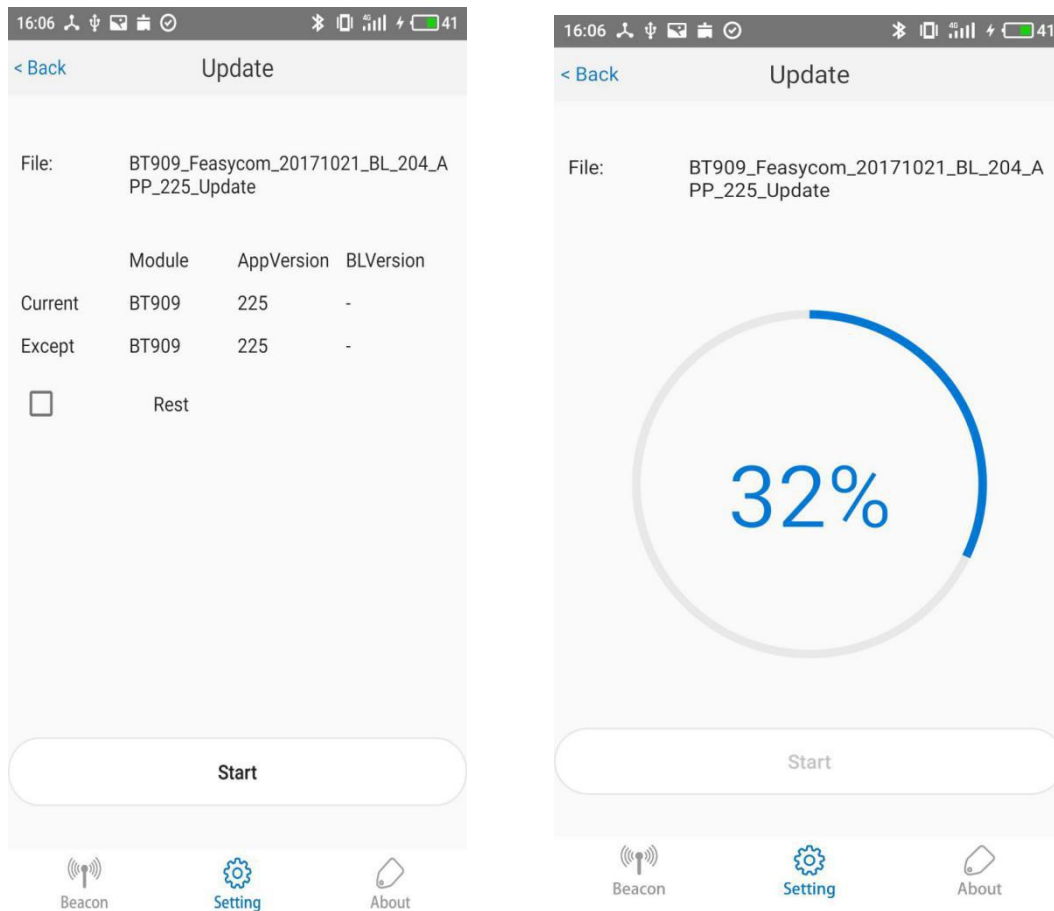
* If can not connect the beacon device, please turn off the bluetooth of phone, and reconnect.

Operation for Pin code missing

Power on beacon, use 000000 login within 1 minute, then modify your new password.

● Firmware OTA Update

Normally, when connected to the beacon which not with the new firmware, the app has a reminder window comes out, you can choose an update as below pictures.



Notice:

*Once update the beacon firmware, the battery power should over 50%

● Reference Web:

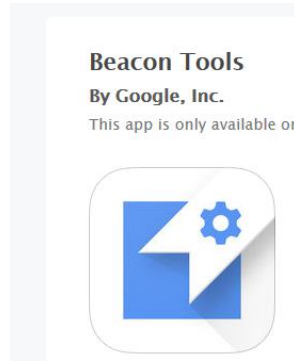
Eddystone: <https://github.com/google/eddystone/blob/master/protocol-specification.md>

Physic web: <https://google.github.io/physical-web/resources>

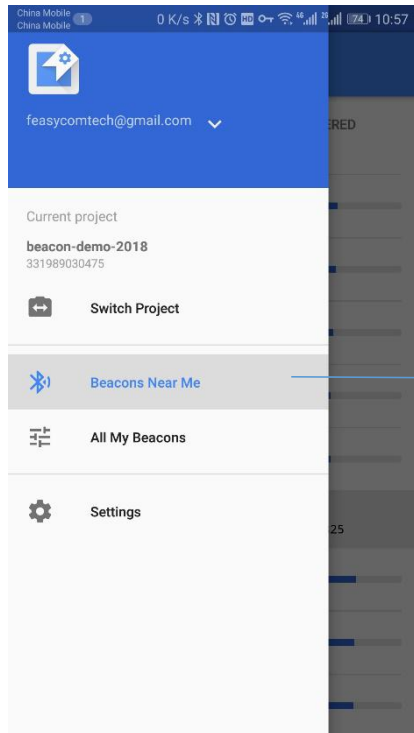
Nearby: <https://developers.google.com/nearby/notifications/overview>

AltBeacon : <https://github.com/AltBeacon/spec>

Using Google "Beacon Tools" for UID Configuration



Download the "Beacon Tools", using your Google Account

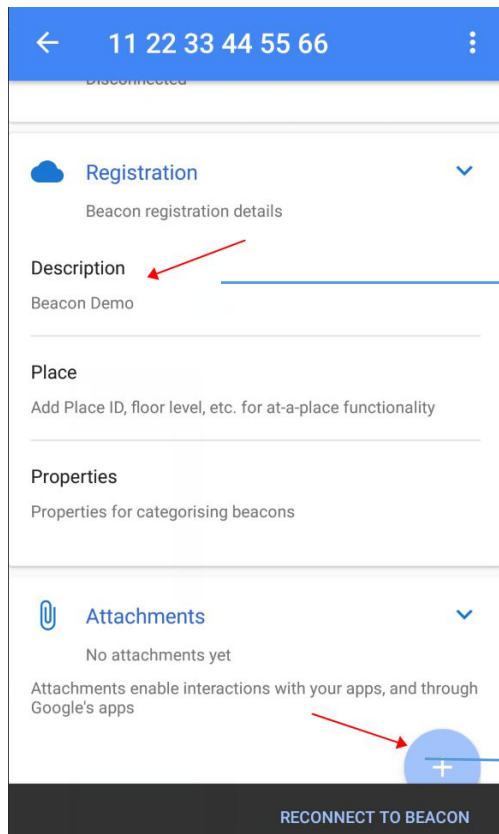


Search the beacons



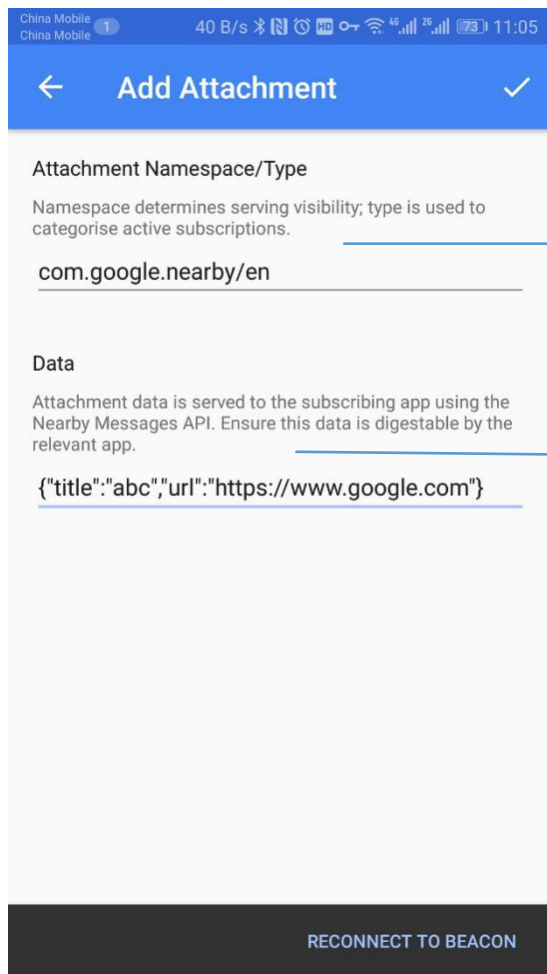
URL don't need register

Input Instance: 112233445566



Name

Click here For Title Setting



Inform the server, we need to use nearby function, second is the country code, USA is "en" and China is "zh"
As left area showing

Only change the **abc** and **https://www.google.com**, because **abc** is the title you need (it can't over 50 characters) and second part is your URL.

When you complete this information, the whole title setting for beacon broadcasting is finished, then you can find it in nearby.