Road Stud beacon

Model:Road Stud beacon -01

Introdution

Road Stud beacon is one of the most commonly used beacons. Battery level can be shown in the advertising data or via a Bluetooth GATT connection.

While this beacon has both iOS and Android configuration apps, the iOS app is easier to use and is more functional. If you are setting up Eddystone-URL (for Android notifications) and you consider yourself to be non-technical then you will need use of an iOS device for setup.

Features

- Support both iBeacon and Eddystone
- Configurable including UUID, major, minor and TX power etc
- Upgrade Over-The-Air supported.

Technical Details

- Power supply by Two AA Buttery (replaceable).
- Dimensions: Height 107mm, Width 97mm, Depth 20mm
- Signal range 3m - 60m.
- Waterproof Beacon IP68
- BLE micro controller NRF52810
- Battery can be replaced

Model	Road Stud beacon
Brand	April Brother
Type of Product	Bluetooth Beacon
Operating Supply	2*AA (3V DC)
Dimensions	107mm*97mm*20mm

Wireless Specification

Operating Frequency(RF)	2.402Ghz-2480Ghz
Type of modulation	GFSK
Channel Spacing	2MHz
RF Output Power (EIRP)	0.95dBm
Bandwidth	2Mhz

Antenna Requirement

Antenna Gain	2dBi
Polarization	Horizontal polarization

Default Settings

Name	Parameters
Advertising Type	iBeacon
Advertising Interval	700ms
TX Power	0dBm
Proximity UUID	B5B182C7-EAB1-4988-AA99-B5C1517008D9
Major	1
Minor	Last 2 bytes of mac address

How to make the equipment start work

Equipped with batteries or connected to power equipment which begin to work, start with Search and connected devices: (1) search AprilBeacon through shake assistant software; (2) in the search list, select you to configure the Beacon, below we abeacon_3564, for example; (3) as shown in figure 2, click "abeacon_3564", enter the connection as shown in figure 3.

Here is how to through the shake assistant software to configure and modify parameters

Note: shake assistant before use, please open the mobile phone bluetooth, mobile phone android 4.3 system requirements, iOS 7.0, bluetooth 4.0;
1、Open the bluetooth device, equipped with batteries;
2、Open shake assistant (iOS download in the APP Store, the android APP Store download), iOS as for example in figure 1 below
3、Search and connected devices: (1) search AprilBeacon through shake assistant software; (2) in the search list, select you to configure the Beacon, below we abeacon_3564, for example; (3) as shown in figure 2, click "abeacon_3564", enter the connection as shown in figure 3.
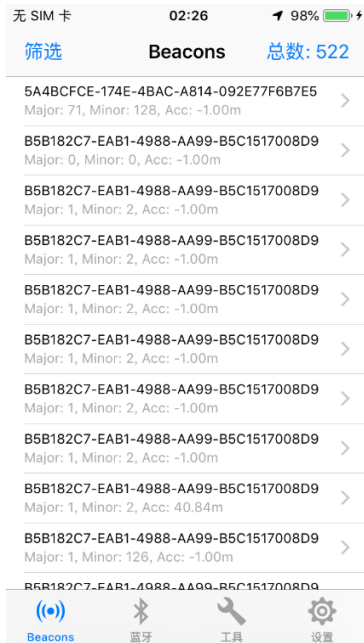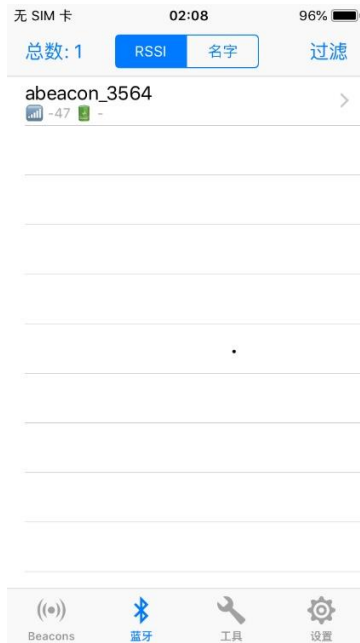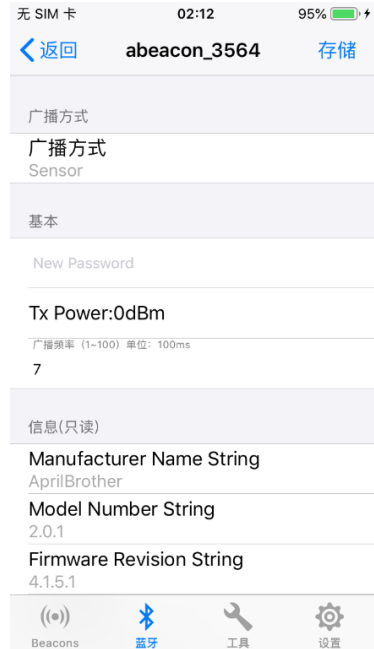
FIG.1

FIG.2

FIG.3

Available now on the iOS App Store

FCC STATEMENT :

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.

Warning: Changes or modifications not expressly approved by the party responsible for compliance 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated

with minimum distance 20cm between the radiator & your body