S7U iBeacon V1.0

Product instruction manual

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Content

Edit history

Modificate Date	Version	Author	Content
2021.3.14	V1.0	YoJoe	The first version

1. Product introduction

1.1 Application scenarios

IBeacon is a low-power Bluetooth technology for positioning and marketing, supported on iOS and Android.Seething S7U iBeacon adopts the lowest power consumption chip and the highest energy density lithium battery scheme, with long node life time, convenient deployment and disassembly, and low price. It can be widely implemented in hospitals, nursing homes, shopping malls, airports, exhibition halls and other public places to build positioning and marketing service network.

Fig 1 SeekcyBeacon S7U

1.2 Battery endurance

S7U adopts advanced power consumption control technology and unique power supply design method, and the battery life of the nodes is four times higher than that of the same class (size) nodes in the industry.It can be used for five to six years to better solve the problem of frequent battery replacement and difficult system maintenance.

1.3 Deployment scheme

S7U adopts knob-type hanger installation structure, which can be installed very quickly, and easy to remove and replace the battery.Adopt high quality VHBTM gum, and can support screw fixed installation, the installation effect is stable and reliable.

2. Technical parameters

Table 1 S7U technical parameters

	S7U
Chip	Dialog DA14580
Support standard	Bluetooth BLE 4.0，Apple Company iBeaconStandard
Battery	**ER14505 2400mAh**
Tx Power	0dBm or -20dBm
Signal Coverage	Up 80m
Battery Endurance	5~6years
Protection Grade	IP64
Size	Diameter 65mm，thickness 25mm
Weight	55g
Support OS	iOS7.0 and above，Android 4.3and above
Security	Password protection,Tamper-proo
APP Config	UUID modification，Major，Minor，broadcast interval，tx power，password
Other performance	Provide SDK for development
Characteristic	Node signal stability, supporting rack installation accessories, easy installation and later maintenance, supporting a powerful and stable configuration tool APP

3. Configration Tool APP

The mobile app to configure ID,Tx Power,Broadcast Interval.The QR code for the app is shown below:

iOS

Android

4. Warning

Any 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.

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.

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.

