Description

The MiniBeacon MS56PX is developed and produced including hardware and firmware all by MINEW Technologies. It is built-in a battery holder and a coin battery, it can work as a standalone system.
Moreover, MS56PX is based on CC2540/CC2541 BLE 4.0 module and built-in an advanced power management unit, the advanced power management unit helps MiniBeacon to save at least 20% battery energy than other beacons without this unit.

About MiniBeacon

- Built-in MiniBeacon firmware
- Built-in a 1000mAh CR2477 battery
- Bluetooth low energy technology compatible
- Excellent link budget (up to 97dB)
- Suitable for long distance applications
- Accurate digital RSSI
- High performance and low power 8051 core MCU
- AES security coprocessor

Image 1

Certifications

- iBeacon License
- FCC Regulation (FCC Part 15)
- CE Regulations (Included EN300328, EN301489, EN60950, EN62479)

Feature & Advantage

- Application for advertisement and proximity location
- Supports both iOS 7.0+ and Android 4.3+ system
- Built-in pairing password to prevent others changing the settings
- MiniBeacon name, UUID, Major, Minor values and broadcasting interval can be changed by customer
- Battery capacity intelligent detecting and notification feature
- Supports soft reboot function, no longer required to take out the battery to reboot the device
- MiniBeacon serial ID can be customized, it will help customer to easily distinguish which one is which
- Placed a button on the board used to **activate / shutdown** beacon device
- Supports the connectable and non-connectable broadcasting mode
- Supports the OAD function
- Publishes the free upgraded firmware regularly
- Built-in JTAG port for other customized application firmware as a standalone system
- The customer's logo can be printed on the housing if required
- Customized housing and firmware services will be welcomed

Rapidly to Build a Housing for your Beacon

MS56 consists of silicone rubber housing and iBC08 kernel. The iBC08 kernel is a small iBeacon unit with a matt-white plastic housing in fact, its size is 33 x 34 x 15mm. Based on the iBC08 kernel, it quite easy and rapidly to build a housing for your beacons in low cost.

How easy and rapidly?

1) we would like to provide many different housing designs for you to choose;
2) we can help you to build a housing in 15 days, but the rights of casing belongs to you;

Is it truly low cost?

Sure. Please give us an email or phone call, further detailed quotation will be sent to you in 24 hrs.

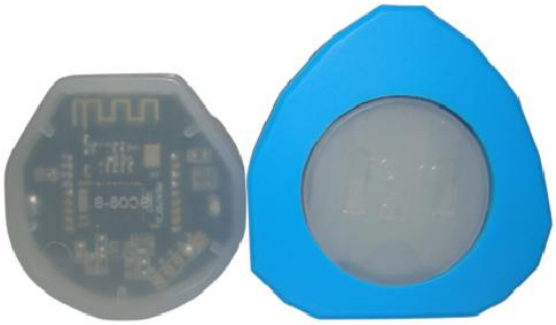

Image 2

Image 3

Operation Instructions

1. Activate MiniBeacon as below method before using device
   1.1 Press the BUTTON and keep holding 10 seconds, the Blue LED will light on 5 seconds and then off; it means that MiniBeacon was wakening up and starts to broadcasting. See image 4 and 5.

2. Shutdown MiniBeacon as below method
   2.1 Press the BUTTON and keep holding 10 seconds, the Blue LED will flash 5 times and then off; it means that MiniBeacon was on sleeping mode and stop broadcasting.

Image 4

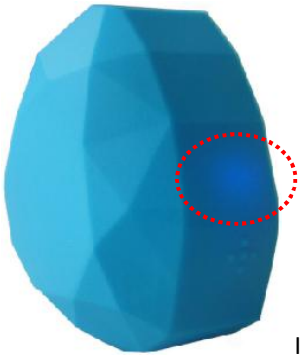

Image 5

** Please be noted the color difference was caused by the shooting.*

Federal Communications Commission (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.

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.

Warning: Changes or modifications made to this device not expressly approved by **Shenzhen Minew Technologies Co., Ltd.** may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.