



IBeacon Datasheet

Model: BLM5500

SuZhou Beelinker Technology Inc

MODEL NO/DESCRIPTION

Product Name	iBeacon
Product Model	BLM5500
Version	1.0
Release Date	2021.1

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1. Product Description

With more than 10 years in-house design and practice experience in the iBeacon market, we bring the latest Bluetooth 5.1 technology, patented power saving solutions and Texas Instrument CC2640 chip into our latest product. To meet the security sensitive scenarios, it features the data security access in bi-direction communication and encryption by the random seed. It pass the Apple iBeacon standards. For the outlet, the housing is a rotating cylinder and made of ABS. By using a snapped bracket, It' s very flexible to replace the battery and can be used in varies of environment.



Product Outlet



2. Production Features

- ★ Ultra-low power consuming, 2 years without recharge (0db, 1s interval)
- ★ Ultrasonic plastic sealing, waterproof grade IP53
- ★ Buckle base screw or magnetic suction installation
- ★ Proven solution and widely used in the market

3. Application Scenario

It is widely used in wechat "shake" the surrounding areas, such as customer advertising, coupon push and other precision marketing; online explanation of tourist attractions and Museum; location-based information push and interaction; indoor navigation service, intelligent inspection and other scenes.



4. Characteristics

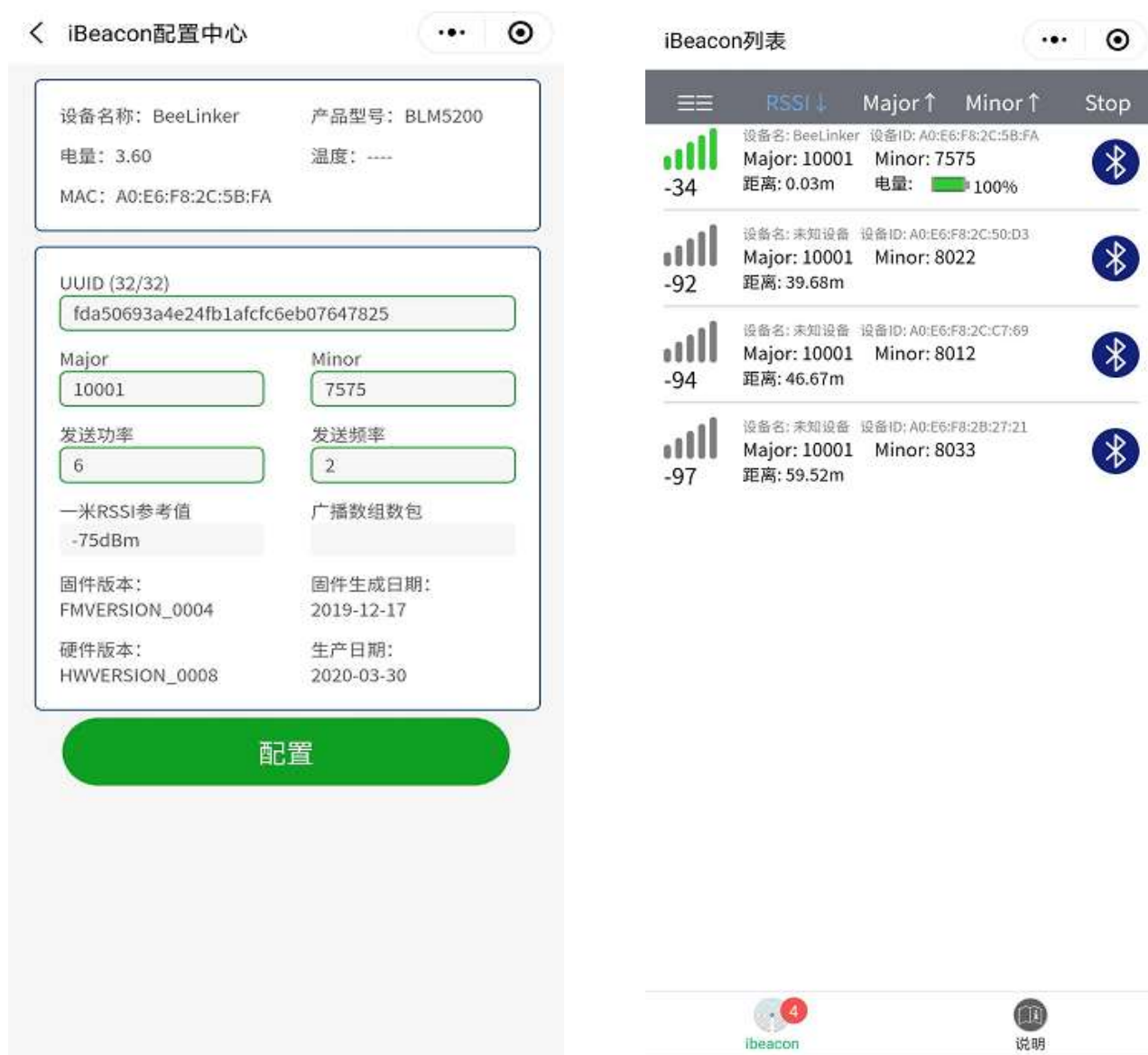
Model	BLM5500
Water & Dust Protection	IP53
Housing Materials	PC
Outlet Color	White
Dimension	83×34×6.5mm
Weight	21g(With Battery)
Battery	CR3032
Operating Voltage	DC3.0V
Installation	Button base / magnet

5. Electrical Parameters

Model	BLM5500
Quiescent Current	1uA
Typical current , Transmitting	6.1mA
Typical current Receiving	5.9mA
Battery Model	CR3032
Battery Capacity	500mAH
Battery Life	2 years (0dBm&1s)
Operation Temperature	-20°C ~ 70°C
Operation Frequency	2.4 GHz Bluetooth
Transmit Power	-21~1dBm(Typical 0dBm)
Broadcast Period	20ms~10s(Typical 500ms)
Signal Range	Typical 100 meter
Security	Only compliable to OEM APP(with security access)
Application Supported OS	Requires iOS 7.0 or later Requires Android 4.3 or later

6. Configuration Toolkit

Our company has app/ applet tools (ios/android platform) that can support the configuration parameters of this product. The configurable parameters include UUID, major, minor, transmission power and transmission interval. The figure below is a typical configuration interface. If the customer has the field configuration requirements, please ask our technical support.

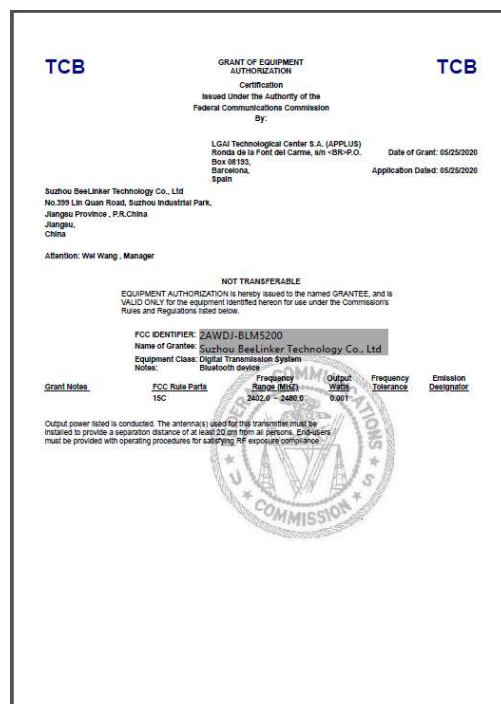


7. Certification



Radio Certification

(No: 2019-12412)



CE

FCC

8. Package

Package	Open Carton
Chart	
Quantity	10 pcs
Gross	250g
Demission	114*102*41mm

9. Quality Assurance

The manufactory is certified to ISO9001. Every sample will be verified (Transmit power, power consumption, reliable test) before shipping.



10. Contact



The contact information block features the Beelinker Technology logo at the top left. To its right are two red logos: one with a stylized 'P' and stars, and another with a stylized 'TP', both labeled '国家专利' (National Patent) and '高新企业' (High-tech Enterprise). Below these are seven small images arranged in a grid: a woman working at a computer, a group photo of the company staff, a computer monitor displaying data, a person in a lab coat working with equipment, a person working at a computer, a close-up of a computer monitor, and a person working at a computer. At the bottom, contact information is provided: phone number 0512-62997201-8831, website www.beelinker.com, email zhangyan@beelinker.com, and address 江苏省苏州市工业园区林泉街399号南工院.

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FCC Caution:

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.

Any 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.