



**IBeacon Datasheet**  
**Model : BLM5300**

**Suzhou Beelinker Technology Co.,Ltd**

## MODEL NO/DESCRIPTION

Product Name	iBeacon
Product Model	BLM5300
Version	2.3
Release Date	2022.2.1

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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



Product Outlet

## 2. Production Features

- ★ Ultra-low power consuming, 2 years without recharge (0db, 500ms interval)
- ★ Rotating housing structure,3M adhesive mounting mode.easy to change the batter
- ★ Support switch on and off,to meet the needs of customers in different scenarios of large-scale applications,stable and reliable

### 3. Application Scenario

It is widely used in wechat "shake" around, such as customer advertising, coupon push and other precision marketing; Online explanation of tourist attractions, museums, etc. Location-based information push and interaction. Scenarios such as indoor navigation service and intelligent inspection.



### 4. Characteristics

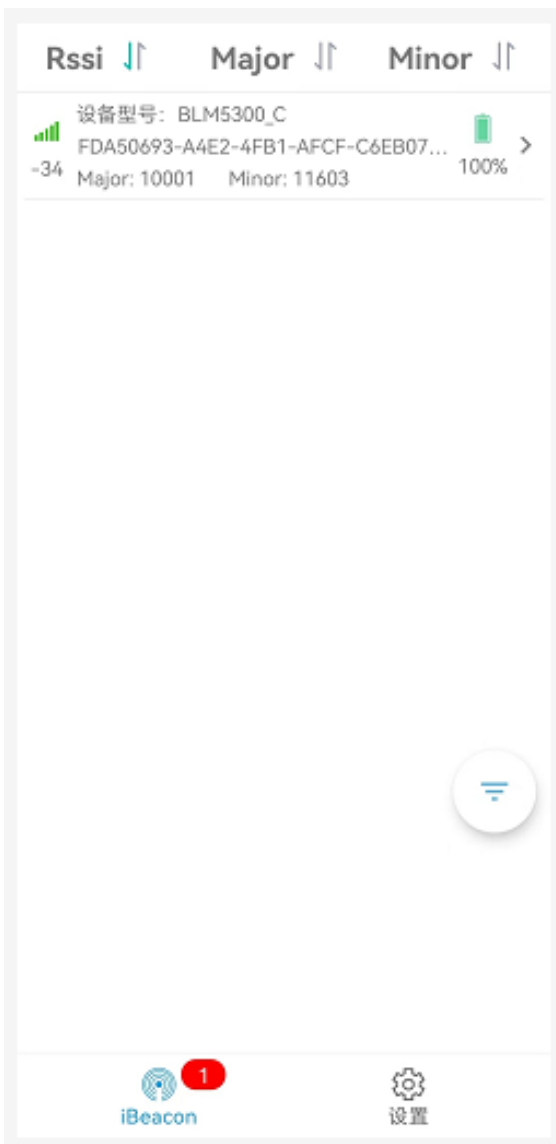
<b>Model</b>	<b>BLM5300B</b>
<b>Water &amp; Dust Protection</b>	<b>IP67</b>
<b>Housing Materials</b>	<b>ABS</b>
<b>Outlet Color</b>	<b>White</b>
<b>Dimension</b>	<b>59.55×39mm</b>
<b>Weight</b>	<b>24.4g(With Battery)</b>
<b>Battery</b>	<b>CR2477</b>
<b>Operating Voltage</b>	<b>DC3.6V</b>
<b>Installation</b>	<b>Button base / Tie</b>

## 5. Electrical Parameters

<b>Model</b>	<b>BLM5300</b>
<b>Quiescent Current</b>	<b>1uA</b>
<b>Typical current , Transmitting</b>	<b>6.1mA</b>
<b>Typical current Receiving</b>	<b>5.9mA</b>
<b>Battery Model</b>	<b>CR2477</b>
<b>Battery Capacity</b>	<b>950mAH</b>
<b>Battery Life</b>	<b>2 years ( 0dBm&amp;500ms )</b>
<b>Operation Temperature</b>	<b>-20°C ~ 70°C</b>
<b>Operation Frequency</b>	<b>2.4 GHz Bluetooth</b>
<b>Transmit Power</b>	<b>-21~5dBm(Typical 0dBm)</b>
<b>Broadcast Period</b>	<b>20ms~10s(Typical 500ms)</b>
<b>Signal Range</b>	<b>Typical 100 meter</b>
<b>Security</b>	<b>Only compliable to OEM APP(with security access)</b>
<b>Application Supported OS</b>	<b>Requires iOS 7.0 or later Requires Android 4.3 or later</b>

## 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

8. Package

Package	Open Carton	
Chart		
Quantity	210pcs	420pcs
Gross	5.6kg	11.2kg
Size	232*284*180mm	465*284*180mm

9. Quality Assurance

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





## 10. FCC Warning

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction

## 11. Contact



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