Manuals+ — User Manuals Simplified.

BeeLinker Technology
BLM5550 Bluetooth
Asset Tagging

BeeLinker Technology BLM5550 Bluetooth Asset Tagging User Guide

Contents

苏州博联科技有限公司
SuZhou Beelinker Technology Co.,Ltd

BeeLinker Technology BLM5550 Bluetooth Asset Tagging

Product Information

Specifications

- **Model:** BLM5550
- **Version:** 1.0
- **Release Date:** 2023.10
- **Water & Dust Protection:** IP67
- **Shell Material:** ABS
- **Battery:** CR2032*2
- **Battery Capacity:** 440mAh
- **Battery Life:** 2 years (0dBm & 1s interval)
- **Operation Temperature:** -20~70°C
- **Operation Frequency:** 2.4 GHz Bluetooth
- **Transmit Power:** -40~4dBm (Typical 0dBm)
- **Broadcast Period:** 20ms-2s (Typical 1s)
- **Signal Range:** 50m in typical configuration
- **Security:** Only supports manufacturer app links (with communication key)
- **Application Supported OS:** iOS 7.0 and above, Android 4.3 and above

Product Description
The Bluetooth asset tagging device is designed for asset management applications. It features a low power consumption design, waterproof rating IP67, and professional housing for easy deployment on various objects.

Product Features

- Low power consumption for up to 2 years
- Plastic molding process design with waterproof rating IP67
- Professional housing design for easy deployment on instruments, equipment, and other objects

Application
The device is widely used in asset management scenarios such as intelligent warehouse management and hospital equipment tracking for efficient resource management.

Physical Properties

- **Overall Dimensions:** N/A
- **Weight:** N/A
- **Supply Voltage:** DC3.6V
- **Installation:** 3M adhesive

Product Usage Instructions

1. Peel off the adhesive backing and firmly attach the device to the desired object.
2. Ensure the device is within the supported operating temperature range.
3. To configure parameters, use the provided Android platform app from the manufacturer.

Frequently Asked Questions (FAQ)

- **Q: How long is the battery life of the device?**

  A: The battery capacity of the device is 440mAh, providing a battery life of up to 2 years with a 0dBm and 1s interval.

- **Q: What is the signal range of the device?**

  A: The signal range of the device is approximately 50 meters in a typical configuration.

- **Q: Which operating systems are supported by the device?**

  A: The device supports iOS 7.0 and above, as well as Android 4.3 and above.

MODEL NO/DESCRIPTION

Name	Bluetooth asset tagging
Model	BLM5550
Version	1.0
Release Date	2023.10

Product Description

The beacon product independently developed by Suzhou Bollion Technology is suitable for asset tracking and positioning, featuring low power consumption, high waterproof level and easy deployment. It adopts Nordic nRF52 series low-power Bluetooth chip and low-power Bluetooth BLE 5.0 technology, which meets the specification of iBeacon, Beacon and Eddystone protocols, with high security and reliability, and supports the setting of user's connection secret key. The product adopts plastic sealing design, waterproof up to IP67, using long plastic shell, the overall delicate and beautiful; with the company's Bluetooth gateway and indoor positioning technology, can be used in a variety of application scenarios.

front view

rear view

Product Features

- Low power consumption for 2 years (0db,1s interval)
- Plastic molding process design, waterproof rating IP67
- Professional housing design, easy to deploy on the surface of instruments, equipment, cargo stacks and other objects.

Application

Widely used in important asset management, such as intelligent warehouse management, with Bluetooth gateway, can achieve automatic inventory of assets and rapid positioning to retrieve materials; such as the management of valuable equipment in hospitals, can be deployed in several frequently used medical equipment, to more efficient

management of medical resources.
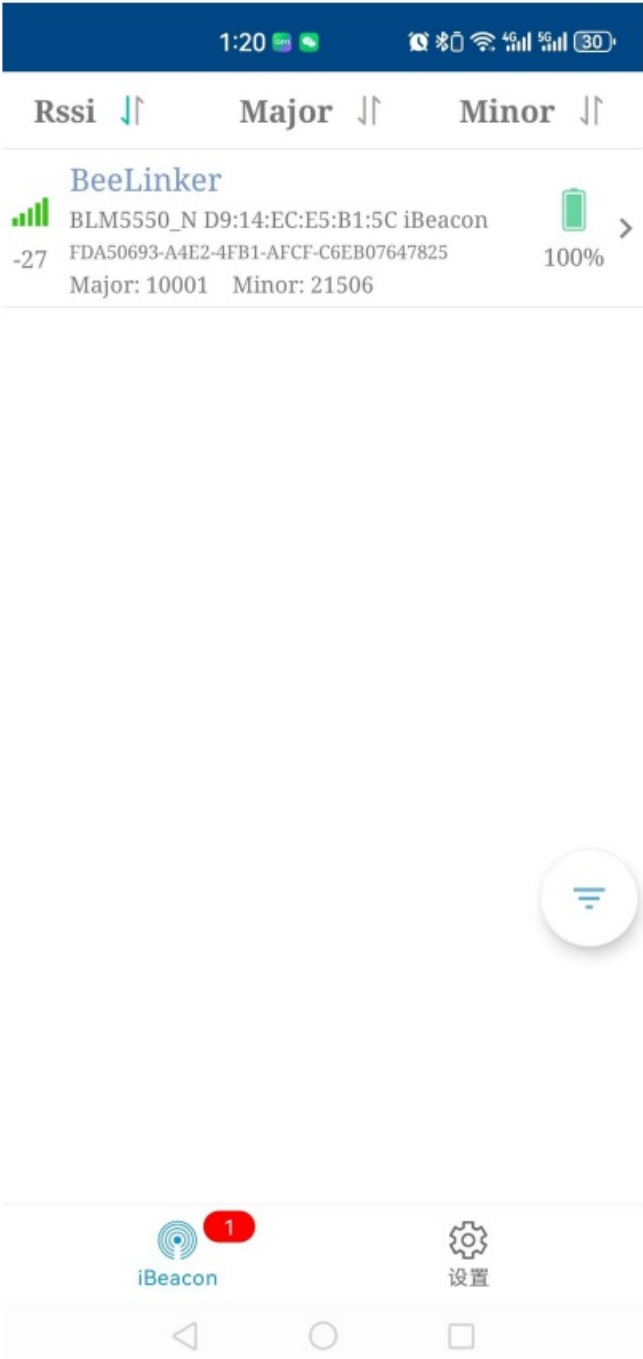

Physical properties

Model	BLM5550
Water & Dust Protection	IP67
Shell material	ABS
Shell color	White black
Overall dimensions	98.7×25×8.9mm
Weight	19.56g(With Battery)
Battery	CR2032(button cell)
Supply voltage	DC3.6V
Installation	3M adhesive

Specification parameters

Model	BLM5550
Quiescent Current	1uA
Typical value of peak emission current (@0dBm)	4.6mA
Receiving peak current typical	4.6mA
Battery Model	CR2032*2
Battery Capacity	440mAh
Battery Life	2 years 0dBm&1s
Operation Temperature	-20℃ 70℃
Operation Frequency	2.4 GHz Bluetooth
Transmit Power	-40~4dBm(Typical 0dBm)
Broadcast Period	20ms 2s(Typical 1s)
Signal Range	50m in a typical configuration
Security	Only supports manufacturer app links (with communication key)
Application Supported OS	**IOS 7.0 and above, Android 4.3 and above**

Configuration Toolkit

Our company has a tool to support the configuration parameters of this product (Android platform APP), the configurable parameters include UUID, Major, Minor, Transmit Power, and Transmission Interval. The following figure shows the typical configuration interface, if customers have on-site configuration needs, you can consult our technical support.

Package

Package	Outer case (with battery)
Packing	
Quantity	200pcs
Gross	2.4kg
Size	232*284*180mm

Quality Assurance

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

Contact Us

Disclaim: This manual is only for reference. All rights reserved by the Beelinker Technology Co., Ltd.

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, under 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 by 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 the receiver.

- Connect the equipment to 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with a minimum distance between 20cm of the radiator and your body: Use only the supplied antenna.

Website: www.beelinker.com
Address: No.399, Linquan Street, SIP, Suzhou, Jiangsu
TEL: 0512-62997201-8831
zhangyan@beelinker.com

Documents / Resources

	[**BeeLinker Technology BLM5550 Bluetooth Asset Tagging**](#) [pdf] User Guide BLM5550, BLM5550 Bluetooth Asset Tagging, Bluetooth Asset Tagging, Asset Tagging, Tagging

References

- [- -](#)
- [**User Manual**](#)