

Bright Beacon

OWNER'S MANUAL



Bluetooth Device with iBeacon protocol

Please read this manual before operating your brightbeacon, and keep it for future reference.

www.brtbeacon.com

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1. At a Glance

1-1. Included in Package

BrightBeacon

Owner's manual

1-2. Optional Accessories

To purchase optional accessories, please visit BrightBeacon online store (www.brtbeacon.com) or call our customer service at 86-400-023-3883.

2. Main Features of the BrightBeacon

Bluetooth4.0 BLE
IBeacon certification
Sprayproof
Dustproof
Detachable
OTA upgrade
Encrypted connection
Indoor and outdoor support

3. Overview



BrightBeacon

LED indicator light

On/Off Button

Light Sensation

Micro USB

4. Understanding your BrightBeacon

4-1. How to turn on/off the brightbeacon

To activate the brightbeacon, Turn on the On/Off Button for a moment until the LED light flashing.

To deactivate the unit, repeat the same procedure.

4-2. How to deploy

To deploy the brightbeacon, Tear off the back of viscose, Sticking to the wall or ceiling

5. Using the Config APP to config the BrightBeacon

The Config APP is available on AppStore

(<https://itunes.apple.com/cn/app/brightbeacon-pei-zhi-ruan/id917081028?mt=8>) ,

The APP can control these properties:

TX power, TX interval, uuid, major, minor, measuredpower, batterycheck interval, temperature check interval, light check interval, name , mode, light_sleep

5-1. Finding the right TX power

TX power: (-40dBm) being the lowest level and (+4dBm) being the highest level, Setting adjustment depends on different demand. -40dBm is about 3m away, and +4dBm can be about 100m away, When the environment is more obstructions, you may need to adjust the intensity level upwards.

5-2. Adjusting the distance accuracy for different Rf environment

TX interval and measuredpower affect the calculation of the distance, The lower TX interval, the more stable signal, but power consumption is higher, all you have to weigh the pros and cons; The measuredpower is the benchmark calculation, it is the RSSI value 1 meter away from the BrightBeacon, So you can be in a real or regarded as 1 m away to calibrate the value.

5-3. Checking the status using LED indicator

When the BrightBeacon is turn on the LED flashes few seconds. The LED will flash when use the Config APP to connect.

The LED also indicates battery life level. □ Two flashes at a time = needs replace the battery down.

6. Maintenance

6-1. Storage maintenance

Your brightbeacon should be turned off before extended storage. Do not transport the brightbeacon exposed in extreme climates.

6-2. Troubleshooting

If you suspect your brightbeacon is malfunctioning please refer to the “Troubleshooting Guide” before sending your unit in for service. If you have any questions or concerns, you may direct your inquiries to service@brtbeacon.com or call 86-400- 023-3883.

7. Troubleshooting Guide

(1) My brightbeacon cannot be connected.

- Make sure the brightbeacon is turned on and the LED flashes.
- Be sure use the Config App with iPhone 4S/IOS6+ or Android4.3+.

(2) The brightbeacon has no range, or the rssi is weak when the brightbeacon is closer.

- Check to see if your TX power or measuredpower setting is right

8. WARRANTY AND REPAIR

INFORMATION

BrightBeacon company provides the original purchaser with a LIMITED WARRANTY. Limited Warranty begins from the date of purchase. For the first two months coverage is for both parts and labor, on all our products purchased new. Accessories have a one- year warranty from the date of purchase.

Send repair brightbeacon to :

BrightBeacon Company / Repairs

B340, Ming You Industrious Purchasing Center, Xixiang Baoyuan Rd., Bao'an Dis., Shenzhen, Guangdong, PRC

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 **Bright Beacon (Beijing) Technology 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.

BrightBeacon (Beijing) Technology Co.,Ltd.

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