
VX-BBLC

VX-BBLC Asset Beacon

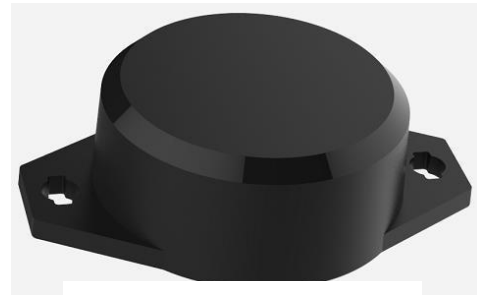
Part #	Description
VX-BBLC	VX-BBLC Asset Beacon, Bluetooth® LE 5.0, IP67 waterproof, screw fixing, pre-lashed MiniBeacon Plus software supports broadcasting iBeacon and Eddystone simultaneously;

The VX-BBLC Asset Beacon is a new generation beacon which loaded accelerometer and intelligence MiniBeacon Plus software on the Bluetooth® LE 5.0 hardware platform. VX-BBLC Asset Beacon has a smart rotatable mechanical design for the housing that makes the coin battery replaceable and IP67 waterproof grade combination perfectly.

It is attached to objects by screws mounting or double-sided adhesive for indoor location, activity monitoring, asset tracking etc. so as to realize the remote data management. It is able to configure the VX-BBLC Asset Beacon via configuration app BeaconSET+ to different parameters so that to meet different applications.

FEATURE

- IP67 waterproof;
- Replaceable coin battery 1000mAh
- Advertising iBeacon & Eddystone & Sensordata
- Bluetooth® LE 5.0 chipset nRF52 series
- The max. 100 meters advertising distance
- Internal ON/OFF push button
- Tough enclosure and screw fixing
- Accelerometer sensor option



VX-BBLC Asset Beacon

APPLICATION

- Indoor location
- Retail promotion
- Activity monitoring
- Inventory tracking

ACCESSORY

- 2 pcs screws / double-sided adhesive

CONFIGURATION TOOL

- BeaconSET+ (iOS & Android)

ACTIVATE VX-BBLC Asset Beacon

- Clockwisely open the rotatable housing, press “push button” and keep holding on 3 seconds; The blue LED lights on 5 seconds and then off, the VX-BBLC Asset Beacon has been activated on;
- Press “push button” and keep holding on 3 seconds; The blue LED blinks 5 times and then off, the VX-BBLC Asset Beacon has been turned off;

CERTIFICATION

- iBeacon MFi License (iBC-14-00582)
- Bluetooth® EPL Certification
- FCC Regulation (FCC Part 15.)
- CE Regulations (Included EN300328/301489/60950/62479)

ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	Black	Other colors can be customized
Battery Model	1 x CR series battery	1000 mAh
Transmission Current	5.3 mA (peak current)	Tested at 0 dBm transmission power
Transmission Range	100 meters	Maximum
Waterproof level	IP67	Tested at 1-meter water
Antenna	50 ohm	On board / PCB Antenna
Size	58 x 40.5 x 18 mm	Null

PARAMETER SETTING

Each VX-BBLC Asset Beacon has been pre-configured in the factory before the shipment. Here below is given the main parameters and default settings.

Type	Item	Default Settings
iBeacon	UUID (16 bytes)	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0 (Proximity)
	Major (2 bytes)	0
	Minor (2 bytes)	0
Eddystone	Instance ID @UID	Random (6 bytes)
	Namespace ID @UID	Random (10 bytes)
	URL	https://www.minew.com
Base Parameters	Measured Power	-59 (0xC5)
	Radio Tx power	6 (0 dBm)
	Adv. Interval	9 (900 ms)
	Beacon ID	Random, it is the MAC address of beacon.
	Beacon Name	PLUS
	Connectable	Yes (it is configuration mode)
	Password	minew123 (8 characters only)
Extra Function	Reset factory	Available
	Power off	Available
	Modify password	Available
	Remove password	Available
	Update firmware	Available

ACCELEROMETER SENSOR PARAMETER

Type	Item		Default Settings
Accelerometer Measurement	Range	+/-2g	Adjustable by firmware
	Measurement Accuracy	1mg/digit	
	Sampling Period	Once every 90ms	---

PACKING INFORMATION

Details	Box	Carton
Quantity	20 pcs	200 pcs
Net Weight	0.45 Kg	4.5 Kg
Gross Weight	0.55 Kg	6.2 Kg
Size	31 x 11 x 8 cm	32 x 23 x 40 cm

FIRMWARE UPDATE

1. J-LINK Port;
2. Over the Air(OTA);

Please contact MINEW sales team to ask more related information if needed.

DECLARATION

The contents of this datasheet are subject to change without prior notice for further improvement. Minew team reserves the right to explain all the terms of this datasheet.

FCC warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

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- 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

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