Digital Broadcasting Device
(iBeacon/Eddystone)

Model: BLE-4

Part #	Description
36505 LBS-BLE-4AU	Bluetooth beacon - 4 alkaline batteries - not provisioned
36506 LBS-BLE-4AP	Bluetooth beacon - 4 alkaline batteries - fully provisioned
36507 LBS-BLE-4LU	Bluetooth beacon - 4 lithium batteries - not provisioned
36508 LBS-BLE-4LP	Bluetooth beacon - 4 lithium batteries - fully provisioned
36515 LBS-BLE-4AU-8	Bluetooth beacon - 4 alkaline batteries - not provisioned (8-Pack)
36516 LBS-BLE-4AP-8	Bluetooth beacon - 4 alkaline batteries - fully provisioned
36517 LBS-BLE-4LU-8	Bluetooth beacon - 4 lithium batteries - not provisioned
36518 LBS-BLE-4LP-8	Bluetooth beacon - 4 lithium batteries - fully provisioned

The MaxBeacon BLE-4 is a new generation super-long range and waterproof beacon that loaded Bluetooth4.0 hardware platform and MiniBeacon intelligence software.

MaxBeacon BLE-4 advertises standard iBeacon. The user can configure MaxBeacon via configuration app BeaconSET as well.

The enhanced MaxBeacon has 10800mAh battery capacity and advertises data up to 200 meters in open space, it can works at the range of temperature -40 to 70℃.

FEATURE

- Advertise iBeacon & Eddystone simultaneously
- Unique MAC address (ITU)
- Bluetooth 4.0 chipset nRF51 series
- IP66 Waterproof
- 5 years battery lifetime with default setting
- Replaceable AA battery (default:alkaline)
- The max. 200 meters advertisingdistance
- Operation temperature -40 to 70℃

MaxBeacon

APPLICATION

- Asset tracking
- Indoor location
- Activity monitoring
- Inventory tracking

CONFIGURATION TOOL

- BeaconSET+ (IOS & Android);

ACTIVATE

- Pressing the "On/Off" push button and keep holding on 3 seconds;
- The MaxBeacon has been activated after LED lighted on 3 seconds then off;

CERTIFICATION

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

ELECTRONIC PARAMETER

Item	Value	Remarks
Case Color	white, black	Other colors can be customized
Battery Model	3.0V	4pcs 1.5V Alkaline battery, total 4400mAh
	3.6V	4pcs 3.6V Li-SOCI2 battery, total 10800mAh
Operation Voltage	1.8-3.9V	DC
Transmission Power	-30 to +4dBm	Tx power
Transmission Circuit	5.3mA (Max.)	Tested @ 0dBm Tx power, standard version
	110mA (Max.)	Tested @ 4dBm Tx power, enhanced version
Transmission Range	200 meters	Tested @ 4dBm Tx power, standard version
Antenna	50ohm	On board / PCB Antenna
Accessories	Double adhesive	1pc, high-strength, 3M brand;
Net Weight	109.0g	With battery
Size	72 x 72 x23 mm	Null

PARAMETER SETTING

Each MaxBeacon BLE -4 has been pre-configured in the factory before the shipment. Here below is given the main parameters and default settings.

PACKING INFORMATION

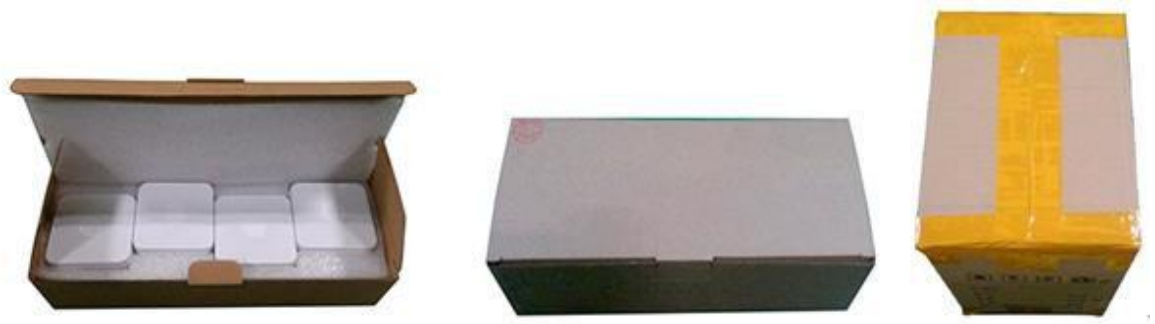

Image 2

Details	Package Box	Carton
Quantity	8pcs per package box	80pcs per carton
Net Weight	0.87kg	8.7Kg
Gross Weight	0.95Kg	10.5Kg
Size	30.5 x 11 x 7.5 cm	32 x 23 x 40 cm

Firmware Flash

1. J-LINK Programmer Kit;
2. Programming ports definition;

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.

<END>

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.

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

IC Caution:

RSS-Gen Issue 5 March 2015"&"CNR-Gen 5e March 2015:

- English:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Le présentappareilestconforme aux CNR d' Industrie Canada applicables aux appareils radio exempts de licence. L'exploitationestautorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l' utilisateur de l'appareildoit accepter tout brouillageradioélectriquesubi, mêmesi le brouillageest susceptible d'encompromettre le fonctionnement.

Pour rester en conformité avec les lignes directrices pour l'exposition aux radiations de la ISED, le dispositif doit être installé et opérationnel à une distance minimale de 20cm entre le radiateur et votre corps: uniquement avec l'antenne fournie.