

UFO Beacon

Model: D15N

Datasheet V3.0

Part #	Description
D15N-6001A	204780001, UFO beacon with hidden push button, Bluetooth 5.0, pre-flashed MiniBeacon Plus software supports broadcasting iBeacon and Eddystone simultaneously

The UFO beacon D15N is a new generation beacon that loaded Bluetooth 5.0 hardware platform, hidden push button and MiniBeacon Plus intelligence software.

D15N UFO beacon advertises standard iBeacon and Eddystone (UID,URL,TLM) simultaneously. The user can configure D15N UFO beacon via configuration app BeaconSET+ as well.

Moreover, the push button can be defined to advertise different data to meet different application by click, double-click and triple-click. For example, the single click can be used to the panic / emergency / SOS button. For more functions, please refer to the configuration instruction.

FEATURE

- Advertise iBeacon & Eddystone simultaneously
- Unique MAC address (ITU)
- Bluetooth 5.0 chipset nRF52 series
- The max. 50 meters advertising distance
- Weatherproof housing with key-chain hole
- Push button for emergency using



D15N UFO Beacon

APPLICATION

- Asset tracking and location
- Personnel tracking
- Activity monitoring
- Inventory tracking

CONFIGURATION TOOL

- BeaconSET+ (IOS & Android);
- The UFO beacon D15N can be turned off by app BeaconSET+;

ACTIVATE D15N

- **Pressing the push button with power icon and keeping on 3 seconds;**
- **The UFO beacon D15N has been activated on after LED lights on 5 seconds then off, t**

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	Other colors can be customized
Battery Model	1 x CR2025	1pc CR2025 coin battery, 85mAh, 3.0V
Operation Voltage	1.8-3.9V	DC
Transmission Circuit	5.3mA (Max.)	Tested at 0dBm transmission power
Transmission Range	50 meters	Maximum
Antenna	50ohm	On board / PCB Antenna
Net Weight	7.0g	With battery
Size	Ø35 x 8.2 mm	Null

PARAMETER SETTING

Each D15N UFO 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 (10 bytes)
	Namespace ID @UID	random (6 bytes)
	URL	https://www.minewtech.com
Base Parameters	Measured Power	-59 (0xC5)
	Radio Tx power	6 (0dBm)
	Adv. Interval	9(900mS)
	Beacon ID	random, it is MAC address of beacon actually.
	Beacon Name	PLUS
	Connectable	yes (it is configuration mode)
	Password	minew123 (Allowing only 8 characters)
Extra Function	Reset factory	available
	Power off	available
	Modify password	available
	Remove password	available
	Update firmware	available

TECHNICAL DOCUMENT

Item	Version	File Name	Date
Datasheet	V3.0	UFO Beacon Datasheet	8 th May, 2018
Instruction	V3.0	UFO Beacon Configuration Instruction	9 th May, 2018
SDK	V1.0	Both iOS and Android	28 th December, 2017

PACKING INFORMATION

Gift Package:



Details	Gift Box	Package Box	Carton
Quantity (D15N)	1pc per gift box	16pcs per package box	160pcs per carton
Net Weight	0.007kg	0.112kg	1.12Kg
Gross Weight	0.39Kg	0.65Kg	7.5Kg
Size	30.5 x 11 x 7.5 cm	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;

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.

<END>

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, 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.