



# MBT01

## ANTI-TAMPER

## ASSET TAG

Datasheet





## PRODUCT OVERVIEW

MBT01 with an anti-tamper button is a Bluetooth location Tag dedicated to asset positioning. If the tag is forcibly removed, it will broadcast a specific signal to the sever and administrator that the asset tag has been removed to ensure the asset's safety. The broadcast distance can reach up to 492 ft (150 m) on the default setting, which can track the assets of warehouse to ensure asset security and fast-searching. Likewise, the device can be deployed on some sickbed or equipment in hospital due to its portable design for better medical resources application and management.

## KEY FEATURES



BLE 5.0 &  
nRF52 Series



Tamper  
Alarm Detection



Up to 2 years  
Service Lifetime



Up to 492 ft (150m)  
Broadcasting  
Distance



IP65 Waterproof &  
Dustproof



Portable &  
Fashionable Design

## MARKET APPLICATIONS



Smart Warehouse

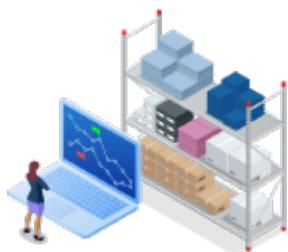


Smart Logistic



Smart Office

## APPLICATION SCENARIOS



Asset Tracking & Resources  
Allocation

Based on relevant technology, through MBT01 installed on important assets, users can achieve indoor positioning so that save amounts of time on searching; also, the admins can track the assets' security status with the anti-tamper button of the device.



Item Transportation &  
Anti-lost Tracking

Based on user's technology development on the tracking system, they can track items' status by end-to-end during the transportation; besides, through MBT01 installed on different delivery sites, users can take solutions to transport delay or anti-lost by tracking the items' status in real-time.



## PRODUCT SPECIFICATIONS

### BASIC PARAMETERS

Material	ABS	Null
Color	White	Null
Dimensions (L*W*H)	42.5*23.5*5.3 mm	Null
Weight	6.4g	Battery Included
Protection	IP65	Null
Battery	CR Button Series	220 mAh
Battery Lifetime	2 years	Default Setting: 0 dBm, 5000 ms
Chip Model	nRF52 Series	Null
Configuration App	BeaconSET Plus	Null
Sensors	No	Null
OTA	No	Null
NFC	No	Null
LED	Yes	Blue/Red Light
Operating Temperature	-20°C ~ 60°C	Null

### BROADCAST SPECIFICATIONS(BEACONPLUS FIRMWARE)

Broadcast Frame	Status	Item	Default Setting
iBeacon (On)		UUID (16 bytes)	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0
		Major (2 bytes)	0
		Minor (2 bytes)	0
		Measured power	-59 dBm (0 x C5)
		Tx power	0 dBm
		Interval (ms)	5000 ms
Tamper (On)	Normal Broadcast	Transmit Power	0 dBm
		Broadcast Interval	5000 ms
		Tamper Status	00 Normal
	Tamper Alarm Broadcast	Transmit Power	0 dBm
		Broadcast Interval	1000 ms
		Broadcast Duration	30000 ms
		Tamper Status	01 Disassemble
Extra functions		Password	minew123 (configurable)

\* Remark: The slot of the Tamper Frame in slot 5 is default and cannot be changed. Please contact our sales team if any other broadcast types of requirements.

## PRODUCT APPEARANCE



## CERTIFICATIONS

CE Regulation  
FCC Regulation



## INSTALLATIONS

**Methods:** Double-side adhesive tape

**Details:**

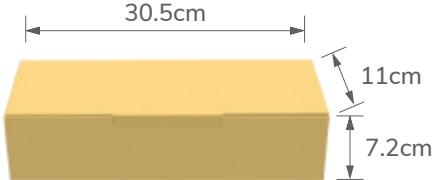
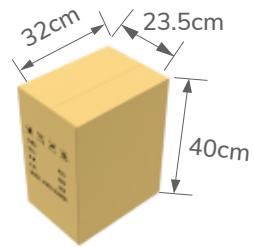
- \* **Recommended Installation Environment:** The material surface should be Aluminum, galvanized steel, enamel steel, stainless steel, ceramic, glass/epoxy resin, acrylic, PBT, ABS, PC, hard PVC, etc. It is not recommended to paste the default double-sided tape on walls (cement, etc.) with gray texture, incomplete drying, aging, and humidity, etc. due to the risk of falling off.
- \* **Requirements:** No dust on the material surface and clean it before installation. Before pasting, increasing the viscosity of the double-sided paste with a hairdryer firstly, and then pressing for seconds sequentially and sticking over half-hours; or leave the device over 24 hours after pasting for better stability.

## PRECAUTIONS

- \* Press the button for 3 times sequentially until the blue light shines to turn it on; turn it off by the shutdown button on the BeaconSET Plus APP until the blue light flashes 5 times.
- \* Please do not set the "unconnectable mode" through BeaconSET Plus so that unable to enter the configuration page.
- \* Please do not disassemble the device often so that affect the performance of the anti-tamper button.
- \* Decreasing the transmit power and increasing the broadcasting interval can extend the lifetime of BLE beacons if it is used in a proper environment.
- \* The broadcast distance and the battery lifetime on default setting are only a reference, which cannot be guaranteed under the extreme conditions (extra-low or high- temperature, etc.).
- \* The device will be shut down for shipping.
- \* Minew will not be responsible for the damage of disassembling manually.



## PRODUCT PACKAGE

Items	Internal package (Battery included)	External package (Battery included)
Package Picture		
Quantity	80 pcs	800 pcs
Dimensions	30.5 x 11 x 7.2 cm	32 x 23.5 x 40 cm

## QUALITY ASSURANCE

The factory has already obtained the certification of ISO9001 Quality System. Each product has been strictly tested (testings include transmission power, sensitivity, power consumption, stability, aging, etc.).

**Warranty Period:** 12 months from the date of shipping (Battery and other accessories excluded).

## DECLARATION

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