



- BLE5.0 & nRF52 Series
- Broadcasting Distance to 240m
- 4pcs AA Replaceable Battery
- Lifetime to 10 Years
- External Operation Button
- IP65 Waterproof & Dustproof
- OTA Upgrade Available

SS-BE02U

Ultra Beacon Device

High-Performance Beacon for Public Spaces

The SS-BE02U Ultra Beacon Device is built for expansive indoor tracking applications.

With BLE 5.0 tech and up to 10 years of battery life, it's ideal for complex environments like airports, museums, and train stations.



scharfesicht.com



SecureWhatMatters

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SS-BE02U Features

Basic Parameters

Material	ABS+Silicone
Color	White
Dimensions	72 x 72 x 23 mm
Net Weight	145g (Battery Included)
Battery	4 AA Battery, 5800mAh Capacity
Battery Lifetime	10 Years By Default
Chip Model	nRF52 series
Bluetooth Standard	BLE 5.0
Bluetooth Protocol	iBeacon & Eddystone
Configuration App	BeaconSET Plus
Operating Conditions	-30~+60°C/less than ≤ 90% RH
Antenna	No
Sensors	No
NFC	Yes
LED	1 Input – 1 Output

Compatibility

iBeacon	BLE4.2 and above
iOS 7.0 and above	iPhone 4S and above, iPad mini and above, etc.
Video Quality Adjustment	Samsung, Miui, Huawei, OnePlus, Vivo, Oppo, etc.

Application Scenarios

Shopping Habits Analysis & Precision Marketing	Based on Bluetooth positioning technology and relative software development, users can achieve tracking of customer shopping habits & behaviors for precision marketing; also collected data can help users to adjust the commodity category and display to improve the economic profits.
Intelligent Navigation & Information Pushing	Through reasonable installation of SS-BE02U in airports, helping passengers save time to find the boarding gate or proximity shops; besides, the admins can push information, such as flight or promotion information, to the passenger's mobile phone.
Daily Consultation Tracking & Safety Responding	In a general hospital, the admins can collect data of daily consultation for the reasonable arrangement of medical resources; also, the admins can locate every safe-guard's positions for fast responding once emergency happening.

iBeacon Broadcasting Parameters

UUID (16bytes)	SSBE02UC56DB5-DFFB-48D2-B060-D0F5A71096E0
Major (2bytes)	0
Minor (2bytes)	0
Measured Power	-59dBm (0xC5)
Tx Power	0dBm
Interval (ms)	900ms

UID Broadcasting Parameters

Instance ID	Random
Namespace ID	Random
Measured Power	-24dBm (0xE8)
Tx Power	0dBm
Interval (ms)	2000ms

URL Broadcasting Parameters

URL	http://www.minew.com/
Measured Power	-24dBm (0xE8)
Tx Power	0dBm
Interval (ms)	2000ms

TLM Broadcasting Parameters

Electricity mV	By Default
Boot-time	By Default
PDU Packets	By Default
Measured Power	-24dBm (0xE8)
Tx Power	0dBm
Interval (ms)	4000ms

INFO Broadcasting Parameters

Device Name	SS-BE02U
Electricity	By Default
MAC Address	Factory Setting
Measured Power	-24dBm (0xE8)
Tx Power	-8dBm
Interval (ms)	4000ms

Extra Functions

Password	minew123 (Configurable)
Connectable	Yes (Configuration Mode)
Reset Factory	Yes
Update Firmware	Yes

