

# Cut-off Alert Wristband

## Model: B9 Datasheet V1.0



Part #	Description
B9-B001A	Cut-off Alert Wristband beacon features Bluetooth® 5.0 technology, pre-flashed MiniBeacon Plus software, supports broadcasting iBeacon data.

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## 1. INTRODUCTION

B9 Cut-off Alert Wristband is a new generation beacon tag based on Bluetooth® Low Energy 5.0 technology. It comes with a MiniBeacon Plus intelligence firmware, advertises standard iBeacon data. Users can configure the tag via configuration app BeaconSET+.

**When the strap is cut off, the device will stop sending out Bluetooth® signals (blue light flashes), triggering the APP to send out warnings as it fails to pick up signals from the tag.**

The user-friendly tag can be cleaned and disinfected with alcohol.

## 2. FEATURE

- Cut-off alerts
- Disposable
- Bluetooth® 5.0 technology
- IP67 dustproof and waterproof
- Maximum 80-meter advertising range
- Advertise iBeacon data
- Soft and sleek material, comply with FDA regulations

### 3. APPLICATION

B9 wristband is commonly applied to real-time monitoring and tracking of personnel in check points, airports, hospitals, schools, stations, factories, communities, shopping malls, stadiums and people under mandatory quarantine.



### 4. ELECTRONIC PARAMETER

Item	Value	Remarks
Color	White	Other colors can be customized
Battery Model	CR2016*1	Lithium battery
Material	TPU	Comply with FDA regulations
Operation Voltage	3.0V	DC
Battery Capacity	80mAH	Null
Working Temperature	-20°C-60 °C	Null
Working Humidity	0~100%RH	Null
Transmission Range	80 meters	Maximum
Antenna	50ohm	PCB Antenna
Size	250×36×4.2mm	Null
Weight	8.0g	Null

### 5. ACTIVATE THE DEVICE

- Press the “power button” until blue light on;
- The indicator light will flash 3 seconds and then go off, indicating the device is activated;

### 6. CONFIGURATION TOOL

- BeaconSET+ (iOS & Android)
- B9 wristband can be turned off only via app BeaconSET+

## 7. CERTIFICATION

- iBeacon MFi License (iBC-14-00582)
- FCC Regulation
- CE Regulations
- RoHS

## 8. PARAMETER SETTING

B9 wristband will be pre-configured by the factory before shipping. Main parameters and default settings are as follows.

Type	Item	Default Settings
iBeacon	UUID (16 bytes)	E2C56DB5-DFFB-48D2-B060-D0F5A71096E0
	Major (2 bytes)	0
	Minor (2 bytes)	0
	Advertising Interval	1,000ms
	Calibration Range	-59dBm
	Radio Tx power	0dBm
Info	Device Name	User-defined
	Mac Address	User-defined
	Advertising Interval	4,000ms
	Calibration Range	-24dBm
	Radio Tx power	-8dBm
	Password	minew123 (8 characters only)
Extra Function	Reset factory	available
	Power off	available
	Modify password	available
	Remove password	available
	Update firmware	available

## 9. TECHNICAL DOCUMENTS

Item	Version	File Name	Date
Datasheet	V1.0	B9 Cut-Off Alert Wristband Datasheet V1.0	29 <sup>th</sup> May, 2020
Instruction	V2.0	MiniBeacon Plus Configuration Instruction	5 <sup>th</sup> May, 2018
SDK	V2.0	Both iOS and Android	18 <sup>th</sup> May, 2018

## 10. PACKING INFORMATION

Details	Box	Carton
Quantity	40pcs	400pcs
Size	30.5 x 11 x 7.5 cm	32 x 23.5 x 40 cm

## 11. FIRMWARE FLASH

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

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

## 12. 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.

## 13. CONTACT

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