



Datasheet

Smart Emergency Button

Model: B10



PRODUCT OVERVIEW

B10 Smart Emergency Button is developed by Minew to target people with special needs. It is ideal for patient status monitoring and locate-and-rescue. The minimalistic design allows users to wear it in two ways and charge the battery with the magnetic head. The broadcast is up to 100 meters in range, which is ideal for the healthcare facility, manufacturing plants, etc.

KEY FEATURES



100 meters
broadcast coverage



IP66 dust-proof and
water-proof level



Built-in NFC and
Accelerometer



Magnetic charging,
extended battery life



Multiple different
ways to wear



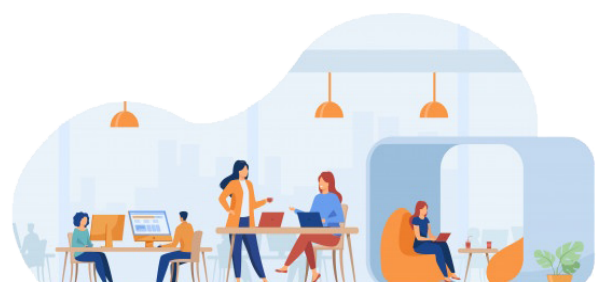
Vibration feedback
and easy to perceive

MARKET APPLICATIONS



Smart Healthcare

B10 provides patients with a variety of wearing methods. The indoor positioning technology can detect the patient's trajectory and status around the clock. When the wearer presses the button, it will vibrate and send out a distress signal for medical staff to quickly respond to first aid. It can be widely used in nursing homes, hospitals, etc.

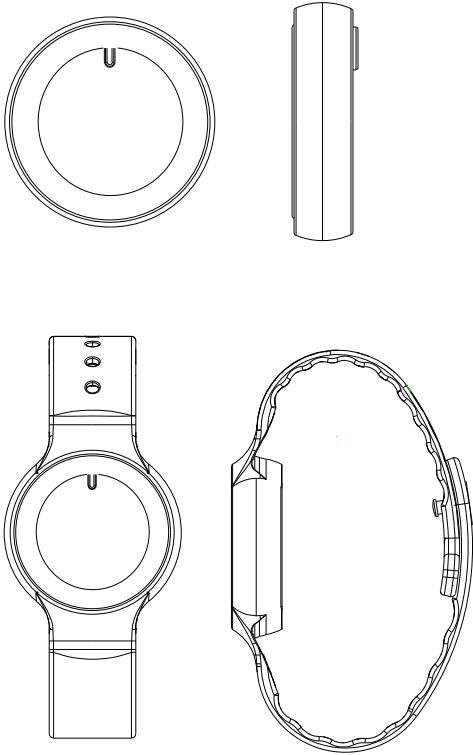


Personnel Management

B10 bracelet offers less interference to moving activity than the lanyard tag and its portability makes it a good fit in factories. Its built-in NFC can be used for daily check-in by employees. Combined with the geo-fencing function, permissions can be set for different areas to trigger unauthorized intrusion alarms. In large places such as museums and aquariums, guest management and positioning can be achieved by wearing B10.

PRODUCT SPECIFICATIONS

BASIC SPECIFICATIONS	
Main body material	ABS + Silicone Rubber
Color	Black + Red
Size (D * H)	Φ38*10.5 mm (main body) 270 * 41 * 11.7 mm (watch case) 47 * 40 * 11.7 mm (hanging case)
Main Body	11g (main body) 30g (watch case + main body) 22g (hanging case + main body)
Resistant Level	IP66
Battery	1pc rechargeable lithium-ion battery, capacity 100 mAh
Charging time	Approximate 1.6H (changed by 5V 1A power adapter)
Battery life	Up to 60 days (less than average amount of clicking)
Sensor	Accelerometer
LED	Yes
NFC	Yes
OTA	Supported
Configuration APP	BeaconSET+



TECHNICAL SPECIFICATIONS	
Main processor	nRF52 series
Bluetooth version	BLE 5.0
Broadcast distance	Up to 100 meters (open space)
Working temperature	- 20 ~ 50 ℃
Working humidity	50 ± 20 % RH

COMPATIBILITY

SYSTEMS SUPPORT	SUPPORTED MODELS
iOS 12.0 and above	iPhone6/6Plus/6S/6SPlus, iPhone 7/7Plus, iPhone 8/8Plus, iPhone x/xr/xs/xs Max, iPhone SE/SE2, iPhone 11/11 pro/11 pro Max, etc.
Android 4.3 and above	LG, Samsung, Xiaomi, Huawei, OnePlus, ViVO, OPPO, etc.

BROADCAST PARAMETERS

Type/channel	Item	Default settings
iBeacon (Click once to trigger)	UUID(16bytes)	00112233445566778899AABBCCDDEEFF
	Major(2bytes)	100
	Minor(2bytes)	1
	Measured power	-59dBm(0xC5)
	Tx power	0dBm
UID (Click twice to trigger)	Interval(ms)	900ms
	Instance ID	Random
	Namespace ID	Random
	Measured power	-24dBm(0xE8)
	Tx power	0dBm
URL (Click 3 times to trigger)	Interval(ms)	2000ms
	URL	https://www.minew.com/
	Measured power	-24dBm(0xE8)
	Tx power	0dBm
TLM (enabled)	Interval(ms)	2000ms
	Measured power	-24dBm(0xE8)
	Tx power	0dBm
INFO (Off)	Interval(ms)	2000ms
	Measured power	-24dBm(0xE8)
	Tx power	-8dBm
ACC (enabled)	Interval(ms)	4000ms
	X-axis	1. These values are decided by the true state of the beacon, stationary or moving.
	Y-axis	
	Z-axis	2. Only works on beacons with an accelerometer.
	Measured power	
	Tx power	0dBm
	Interval (ms)	4000ms

INSTALLATIONS

- * **Boot:** The product is powered on and shipped by default. Hold the button for 3 seconds, once the blue light stays on, that means the device has been successfully booted up.
- * **Shut down:** Only the app can shut it down, the blue light flashing 5 times indicates shutting down successfully.
- * **APP connect and disconnect:** The blue light will flash twice to indicate that the device has been successfully connected. When the connection is normally disconnected, the blue light will flash 3 times.
- * **Power:** When the power is low, the red light flashes; when charging, the green light is always on, and when the charging is complete, the green light shuts off.
- * **Broadcast configuration:**
 1. After the product is turned on, within the first minute, pressing the button will not trigger the corresponding function, nor will it vibrate.
 2. When the product is set to the non-connectable mode, you can quickly click the button 5 times to enter the "connectable" configuration mode, and automatically exit after 1 minute.

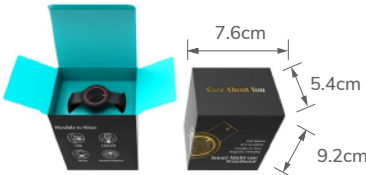
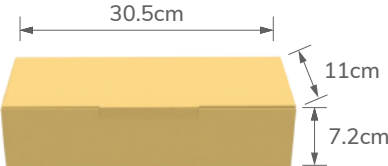
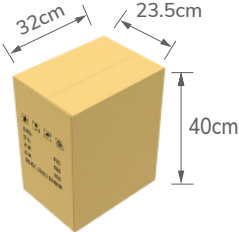
BROADCAST

- It will broadcast TLM & ACC & INFO frames under the default settings.
- Click once, the device will broadcast the iBeacon frame, lasting 60 seconds and vibrating once.
- Click twice, the device will broadcast the URL frame, lasting 60 seconds and vibrating twice.
- Click three times, the device will broadcast the UID frame, lasting 60 seconds and vibrating three times.

PRECAUTIONS

1. When red light flashes, it means that the power is low. The device may be reset or shut off if not being charged soon.
2. Please avoid setting two channels to the same trigger mode.
3. When configuring trigger parameters, if the channel needs to be turned off, please turn off the channel trigger mode first and then the channel, otherwise, it may cause the device to broadcast but not vibrate after pressing the button.
4. If you need to replace the silicone case, please try to align the main charging port with the bottom silicone case notch, otherwise it will affect the appearance and charging.
5. The product can only be immersed in water for a short while but does not support underwater work.
6. Do not use the product above the designed working temperature to avoid damage to the product.
7. Please do not disassemble the main casing without permission, our company is not responsible for any damage.

PRODUCT PACKAGE

Items	Internal package (deluxe package)	Internal package (industrial package)	External package
Picture			
Units	1	8	64 (deluxe package) 80
Sizes	9.2 x 7.6 x 5.4 cm	30.5 x 11 x 7.2 cm	32 x 23.5 x 40 cm

CERTIFICATIONS

CE Regulation
FCC Regulation



* For other certifications, please contact our business team.

QUALITY ASSURANCE

The factory has already obtained the certification of ISO9001 Quality System. Each product has been strictly tested (tests 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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