



MWB02

LoRaWAN® Wearable Panic Button

Extended Site-Wide Coverage for Rapid Response

Combining LoRaWAN® long-range connectivity with BLE & Wi-Fi scan positioning, the MWB02 ensures your team is always within reach. It delivers precise location context and instant SOS alerts across campuses, care facilities, and industrial worksites, eliminating the "slow to find, hard to locate" pain points in emergency response.

KEY FEATURES



Long-range LoRaWAN® communication

1 km* in open environments. Wider site coverage.



Bi-Directional Finding & Clear Alerts

Features a 7-color RGB LED and vibration motor for clear SOS and status feedback.



Rugged & Flexible for Daily Wear

IP67 protection for harsh conditions, with wristband and lanyard wearing options.



Seamless Indoor & Outdoor Positioning

BLE & Wi-Fi scan positioning for indoor/outdoor transitions.



Offline Data Storage & Traceability

Stores up to 2,500 local event records for export via the app.



Smart Charging & Easy Maintenance

Overcharge protection & Type-C dock supports bulk charging for large-scale use.

IDEAL FOR INDOOR IOT DEPLOYMENTS



Healthcare



Campus Safety



Security Operations



Industrial Workplaces

HOW IT WORKS



SOS alerts, location information and device status reach the platform through LoRaWAN.

SPECIFICATIONS

Wireless Communication

Wireless Protocol	LoRaWAN®
Frequency Bands	US915 / EU868 / AU915 / KR920 / AS923
TX Power	Max. 22 dBm
Device Class / Activation	Class A / OTAA
Communication Range	1 km (open environment)*
Positioning	BLE / Wi-Fi (optional)
ADR	Configurable (On / Off)

Alarms & Feedback

SOS Trigger	Configurable; double press by default
SOS Reporting	Configurable repeat count and interval
Low Battery Alert	Supported
Local Feedback	7-color RGB LED + vibration
Remote Device Finding	Platform-controlled LED and vibration

Protection & Environment

IP Rating	IP67
Operating Temperature	-20°C to +60°C
Operating Humidity	0%–99% RH

Power, Wearing & Management

Power Supply	260 mAh rechargeable battery
Charging	Type-C charging dock
Wearing Options	Wristband / Lanyard
Power On / Off	Hold button 3 s / App only
OTA	Supported
Configuration	MinewLink App / Remote configuration
Dimensions / Weight (L01)	40 × 40 × 12.6 mm / 17 g*

