



MWB02 Wearable Panic Button

A Safety Hub That Never Stops Signaling for Help

MWB02 is a rechargeable wearable SOS button and Bluetooth® safety hub designed for reliable emergency response. It combines persistent SOS calling, anchor-based Bluetooth scanning for positioning support, and onboard event logging for traceable review. With LED and haptic confirmation, rugged IP67 protection, and a 260mAh battery with magnetic charging and a dock included, it delivers practical safety value across healthcare and industrial environments.

KEY FEATURES ▶



Persistent SOS No Signal Gaps

The MWB02 can be set to broadcast a continuous distress signal until physical help arrives. This ensures responders have a live beacon to follow, even if the user is unable to trigger the button again.



Onboard Event Log Traceability

The MWB02 captures motion data and time-stamped button events directly to its internal storage. This allows administrators to reconstruct travel paths and audit response timelines, perfect for incident reporting or offline patrol logs.



High-Precision Positioning

The MWB02 actively scans for fixed Bluetooth anchors to help calculate its own location with high accuracy. It enables real-time tracking in complex environments, ensuring responders know exactly where to go.



Bi-Directional Confirmation

Haptic vibrations and clear LED indicator provide immediate, non-verbal feedback. Users receive tactile and visual cues that their alert reached the system, reducing uncertainty in high-stress moments.



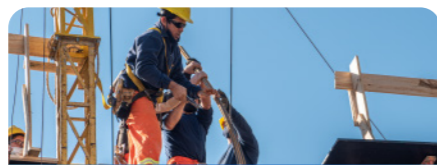
Rugged, Multi-Scenario Design

Featuring an IP67 rating and a 260mAh battery, the MWB02 is built for the 24/7 demands of both front-line healthcare and heavy industry. Dual-wear options (wrist or Lanyard) ensure it fits seamlessly into any professional uniform.

APPLICATION SCENARIOS ▶



Underground Mining and Tunneling



Construction Sites



Chemical Plants



Campus Safety



Multi-Story Healthcare Facilities



Large Industrial Storage Yards

Clear Feedback & Confident Actions



SOS Button: Large tactile button enables fast, confident emergency activation under pressure.



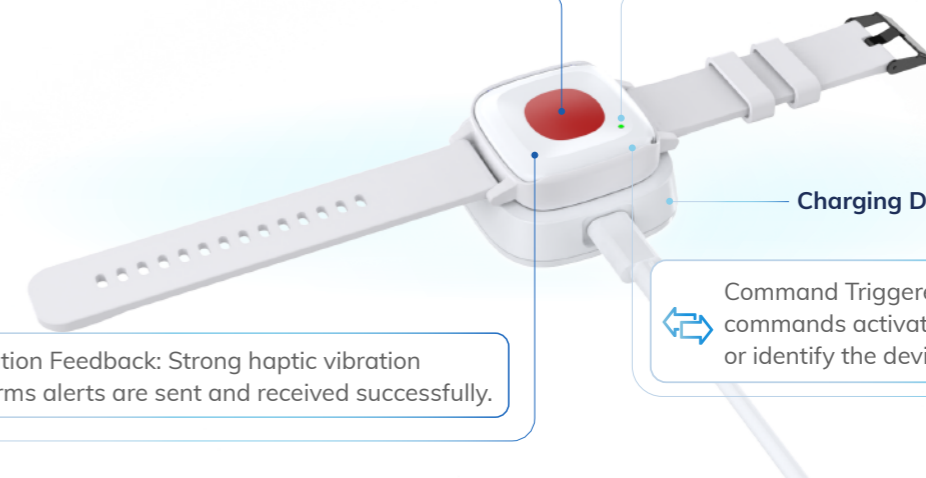
LED Status Indicators: LED lights activate on command to show status and guide response actions.



Vibration Feedback: Strong haptic vibration confirms alerts are sent and received successfully.

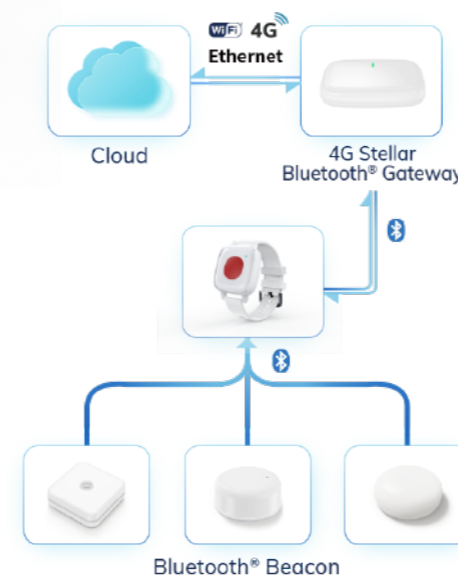


Command Triggered Lighting: Remote commands activate LEDs to confirm status or identify the device.



Charging Dock

Real-Time Data Flow



Instant Alert Activation

When the SOS button is pressed, the MWB02 immediately sends an alert with vibration and light confirmation, ensuring the user knows the signal was successfully triggered.

Location and Event Transmission

The device scans nearby Bluetooth anchors and reports the data with time-stamped motion and button events, enabling accurate real-time location tracking within the system.

Response and Review

Alerts and location data reach the platform instantly, enabling fast response coordination and providing clear records for post-incident review and reporting.

Optimized Wearing for Task-Specific Safety



Lanyard

Ideal for sterile or machinery environments where wristwear is restricted. Chest-level placement keeps hands free while ensuring easy button access.



Wristband

Secures the button for healthcare staff and patients, ensuring immediate SOS triggers during daily movement.

Specifications

Connectivity	Bluetooth® 5.0
Battery Capacity	260mAh battery
Estimated Battery Life	Up to 6 months (regular reporting) Up to 45 days (continuous SOS reporting)
IP Rating	IP67
Feedback System	7-Color LED & haptic vibration motor
Wristband Options	Custom color wristbands available for visual identification and comfort
Mounting Options	Wristband or pendant/lanyard

