

IOBUTTON

LoRaWAN Panic Button ready for large scale deployments

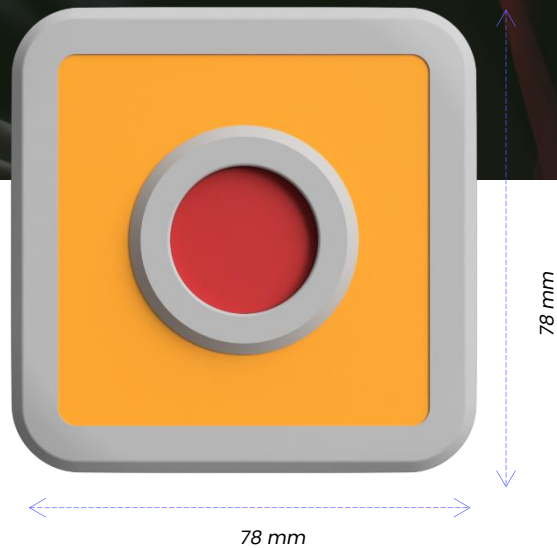
Key features

- › **Quick installation:** Swiftly install your device using the provided mounting bracket.
- › **Premium Button Mechanism:** Equipped with a high-quality push button, featuring a Cherry MX tactile switch with a responsive spring mechanism.
- › **Vibrant LED ring:** Experience enhanced user interaction with the large RGB LED ring surrounding the button, providing vivid and unmistakable visual feedback
- › **Powerful Auditory Alert:** High volume Piezo alarm (90 dB)
- › **Cutting-Edge Connectivity:** Supports LoRaWAN 1.0.4, featuring a hardware RF switch with compatibility for EU868 and US915 regions (additional regions available upon request).
- › **Versatile Configuration:** Highly configurable through both the app and over-the-air, utilizing LoRaWAN and Bluetooth 5.1 technologies.
- › **Seamless Updates:** Stay up-to-date with firmware updates delivered over-the-air (FOTA).

ioButton

Looking for a LoRaWAN Panic Button which has already proven itself in the field? Great!

The ioButton is a versatile solution, pre-configured for various emergency scenarios. When the panic button is activated, users receive immediate notification through the prominent LED ring, accompanied by haptic feedback from the vibration motor.



Installation

Experience seamless and rapid installation of the ioButton in the field. This versatile device comes with a dedicated wall mount bracket, easily secured using premium double-sided sticky tape or by utilizing the screw holes in the bracket for added stability.

Battery life up to 10 years

The ioButton operates on a user-replaceable ER14500 lithium battery (2400 mAh, AA), providing robust power for transmitting approximately 100,000 messages on SF12 (or around 1 million on SF7). As a default setting, the ioButton sends a heartbeat message every 4 hours, ensuring an impressive battery life of up to 10 years.

More information

Visit our website <https://iotracker.nl> for more details on how ioTracker can help you.

Technical details

Enclosure	Dimensions	> 78 x 78 x 20,4 mm
	Weight	> 70 g (including battery)
	Ingress protection	> IP40
Branding	Wall mount	> Included and detachable
	Front sticker	> Customisable on request
	Label	> Dedicated polished surface for customer label
Temperature range	Operating temperature range	-20 °Celsius – +65 °Celsius
Power	Battery	> ER14500 (AA), 2400 mAh > user-replaceable (e.g., Saft LS14500)
Button	Push button	> Cherry MX tactile switch
	Color button	> Red
Audio-visual	LED Ring	> RGB (Full Color)
	Buzzer	> High volume Piezo alarm (90 dB)
Connectivity	LoRaWAN	> 1.0.4 specification > EU868 and US915 region (more on request)
	Bluetooth	> Bluetooth 5.1 > Used to connect with ioTracker configurator app > Scanning for iBeacon, AltBeacon and EddyStone beacons > Beacon filter and trigger actions
	Wi-Fi	> 802.11 B/G/N, 2.4 Ghz > Used for firmware updates > Possible to sniff BSSID and MAC
Antenna	Antenna performance	> Large calibrated helical antenna with excellent performance
	Hardware RF switch	> Software defined antenna tuning circuit; switch between 868MHz and 915MHz with the same device.

Specifications subject to change