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Version 3.0

Four Button Remote

Product Overview

Overview

The Four Button Remote forms part of the MiX 2000/4000 range of products. The FBR communicates with the mobile host (MiX 2000 or MiX 4000) via a bi-directional RF link.



The Four Button Remote (FBR) comprises of:

a. Blue Button: Roadside Assist
b. Red Button: Panic

(buttons 3 and 4 are for future use)

The FBR is encased within a sturdy plastic enclosure that is secured with four screws, providing an ingress protection rating of IP50. The two LEDs displays feedback on button presses. The enclosed CR2032 coin cell battery can be easily replaced by customers, when needed.

P/N	Model No	Name
P0064MT	FBR MK1	Four-Button Remote Control Unit MK1

General Features

- Uses a standard CR2032/CR2032X Lithium Manganese Dioxide coin cell battery (3.0V, 190/220mAh).
- The projected battery life is > 2 years. The battery is user replaceable.
- The FBR has a battery low voltage detection. This warning is reported near the end of life to ensure the battery can be replaced to extend functionality.
- Two separate red LEDs, visible through the enclosure, provides user feedback when the buttons are pushed.
- The enclosure incorporates a key ring loop so that it can be attached with the user's car keys.
- The FBR enclosure is secured by 4 screws for ease of battery replacement.

Specifications

General

Feature	Description
Weight	~ 23g
Dimensions	Approximately: 63.3 x 38.1 x 15.2 mm

Environment

Feature	Description
Operating Temperature	IEC 60068-2-2 -20 to 60°C
Storage Temperature	For best longer-term results, store at 0 to 25°C
IP Rating	IP50 (IEC 60529)
Shock	Mil-Std-810F: 30g Pulse duration 11mS
Vibration	ISO 16750-3:2007(e): 8H, 3 axes, Vertical 2.13grms, Longitudinal 1.18grms, Lateral 1.31grms
Free fall	IEC 60068-2-32, Part 2 To automotive guidelines: 3 Drops from 1 m height

Technical

Feature	Description
Battery	Battery 3.0V; 220mAh Lithium Manganese Dioxide coin cell
Communication	ISM Short Range Frequency
Serial Communication	TTL serial interface (115kbps) (not accessible from outside the enclosure)
LED	Installation status/power indication/Feedback
Receiver Frequency	434MHz
RF Bandwidth	40kHz

Type Approvals

Feature	Description
South Africa	ICASA: TA-2025/4714

European Union Radio Equipment Directive (RED) 2014/53/EU	
Article 3.1a: Electrical Safety	SANS 62 368-1:2020/IEC 62368-1:2018
Article 3.1 b: EMC	ETSI 301 489-1 : V2.2.3 (2019-11) ETSI EN 301 489-3 : V2.3.2 (2023-01)
Article 3.2: Radio Spectrum	ETSI EN 300 220-2 : V3.1.1 (2017-02)

Waste Electrical and Electronic Equipment (WEEE)



This product must not be disposed of as unsorted municipal waste. At the end of its useful life, the product must be collected separately and handled in accordance with applicable local requirements for waste electrical and electronic equipment (WEEE).

The crossed-out wheeled-bin symbol indicates that the product is subject to separate collection for electrical and electronic equipment.

For information regarding the appropriate collection, recycling, or disposal arrangements for this product, contact Powerfleet or the appropriate local waste-management authority.