



MicroCom 863XR Product Specifications

BeltPack Models: PMC-863XR

Overview

Rugged and durable, the MicroCom 863XR provides full-duplex, hands-free communication to crews and teams for critical workplace communication. In addition to 6 full-duplex users and two separate talk channels, the 863XR provides unlimited listeners and unlimited shared talk users, all without the need for a base station. High-quality audio, excellent range, and ease of use make the 863XR a perfect solution for crews to stay connected and be more productive.

863XR BeltPack Key Features

- Robust, Two-Channel (A or B) System
- Dual Listen
- Simple to Operate
- Up to 6 Full-Duplex Users
- Pack-to-Pack Communication
- Unlimited Shared Users
- Unlimited Listen-Only Users
- 863-865MHz Frequency Band
- Ultra Compact, Small, and Lightweight
- Rugged, IP67-Rated BeltPack
- Long, 12-Hour Battery Life
- Field-Replaceable Battery
- Available Drop-In Charger
- Multiple Headset and Earset Options

What's in the Box?

- BeltPack
- Li-Ion Battery (BT-01-PT)
- USB Charging Cable
- BeltPack Antenna (Attach to beltpack prior to operation.)
- Quick Start Guide
- Product Registration Card

Optional Accessories

- AN-863-01: Replacement Antenna
- BT-01: Replacement Lithium-Ion Battery
- PAC-USB6-CHG: MicroCom 6-Port USB Charger
- PAC-MCXR-5CASE: IP67-Rated MicroCom Hard Carry Case
- PAC-MC-SFTCASE: MicroCom Soft Travel Case
- PBT-XRC-55: MicroCom XR 5+5 Drop-In BeltPack and Battery Charger
- PAC-MC4W-IO: 4-Wire In/Out Interface and Headset Adapter for MicroCom XR series
- CAB-DUALXLR-3.5: 4-Foot Dual XLR Female and Male to 3.5mm Male Cable
- ANT-EXTMAG-01: MicroCom XR 1dB External Magnetic Antenna
- PAC-TRI-6FT: MicroCom 6-Foot Compact Tripod Kit
- Selection of compatible headsets (see 863XR Manual for more details)

| Specification* | 863XR** |
|-------------------------------|--|
| Radio Frequency Type | 863–865 MHz |
| Radio Interface | GFSK |
| Frequency Response | 50 Hz ~ 4 kHz |
| Encryption | AES-128 |
| Voice Codec | 16 bit / 8 kHz |
| Maximum Transmit Output Power | 10 mW ERP Typical |
| Rx Sensitivity | -95 dBm |
| Frequency Channels | 10 |
| Channel Spacing | 200 KHz |
| Number of Intercom Channels | 2 |
| Maximum Full-Duplex Users | 6 |
| Number of Shared Users | Unlimited |
| Number of Listen Only Users | Unlimited |
| Antenna | Detachable 1 dBi Helical Antenna |
| Battery Type | Rechargeable 3.7 V; 2,000 mA Li-ion field-replaceable battery |
| Battery Life | Approx. 12 hours |
| Battery Charging Time | 3.5 hours (USB cable); 6.5 hours (Drop-In charger) |
| Charge Type | USB Micro; 5 V; 1–2 A |
| Dimension (with Belt Clip) | 4.83 in. (H) × 2.64 in. (W) × 1.22 in. (D) [122.7 mm (H) × 67 mm (W) × 31 mm (D)] |
| Weight | 6.35 oz. (180 g) |
| Display | OLED |



MicroCom 863XR
BeltPack

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*Notice about Product Specifications: While Pliant makes every effort to maintain the accuracy of the information contained in this document, this information is subject to change without notice. Please check our website for the latest system specifications and certifications. Performance specifications included in this document are design-centered specifications and are included for customer guidance and to facilitate system installation. Actual operating performance may vary. Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.

**PMC-863XR is approved for use in CE-compliant countries and operates within the 863–865 MHz frequency range.

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