

2.4GHz Radio Pack Product Specifications

CRP-12-2400 / CRP-12-2400CE*

Overview

The CrewCom RP-12 Radio Pack is a highly designed, innovative digital wireless beltclip used for connecting mobile users to the CrewCom CB2 wireless system. Along with standard full duplex communications, the Radio Pack combines flexible channel access and customizable controls for a highly functional yet familiar user experience.

Key Features

- Compact size and light weight (350 g/12.3 oz.)
- 7 kHz digital audio for excellent voice quality
- Familiar volume/talk user interface
- Stage and Call function buttons
- USB connection for pairing, firmware updates and battery charging
- Dual battery (Li-Poly or AA) operation
- Greater than 10 hours continuous operation (Li-Poly)
- Easy-to-use spring-loaded belt clip

Radio Pack Specification**	CRP-12-2400
RF Frequency (MHz)	2400–2483 MHz
RF Scheme	FHSS with TDMA
Effective Radiated Power	100 mW (+20 dBm)
Receiver Sensitivity	-100 dBm at 10 ⁻⁵ BER
Radio Certification	FCCID: HSW-CCT24 and IC: 4492A-CCT24
Transmission Range	150 m (approx. 500 ft.) under typical conditions; 450 m (approx. 1500 ft.) line of sight (Note: Functional range depends on many variables, including RF signal absorption, reflection, and external interference.)
Audio Dynamic Range	Greater than 90 dB
Audio Frequency Response	150 Hz–7 kHz
Channels	2
Volume Knobs	1
Talk Buttons	1
Headset Connector	4-pin male XLR
Microphone Type	Auto Detect; Dynamic or Electret
Antenna	(2) 2dBi Dipole
Battery Life, Rechargeable Lithium-Polymer	Greater than 10 hours
Charging Power Supply	Micro USB; 6W AC wall adapter
Charge Time for Lithium-Polymer Battery (with supplied PSU)	Under 3 hours
Optional Power	3 Standard AA alkaline batteries
Battery Life, AA Batteries	Approximately 5 hours
Dimensions (L x W x H)	11.43 cm x 11.61 cm x 5.87 cm (4.50 in. x 4.57 in. x 2.31 in.)
Weight (with Lithium-Polymer battery)	350 g (12.3 oz.)
Material	Polycarbonate substrate with thermoplastic elastomer overmold
Operating Environment	-20° to 50° C (-4° to 122° F); 10% to 90% Humidity. RP Power Supply is 0 to 40° C (32° to 104° F).
Maximum Altitude	2,000 m (6,562 ft.)
RoHS Compliant	Yes
IP Rating	IP-65
Compliance Model Number	RP2500

What's in the Box?

- CRP-12-2400 (or -2400CE) 2.4GHz Radio Pack
- PBT-LIP-01 Lithium-Polymer Rechargeable Battery
- 00003475 Multi-blade Worldwide Battery Charger/Power Supply
- D0000612 Product Overview Guide

Accessories

- PBT-LIP-01 Rechargeable Lithium-Polymer Battery
- PBT-RPC-66 6+6 Drop-In Radio Pack and Battery Charger
- PBT-5BAY-01 5-bay Battery Charger
- PHS-SB110 Single-Ear SmartBoom® PRO Headset
- PHS-SB210 Dual-Ear SmartBoom® PRO Headset
- PHS-SB11L Single-Ear SmartBoom® LITE Headset
- 00003402 USB A to Micro B Cable



CRP-12-2400
1-Volume / 2-Channel
900MHz Radio Pack

*CRP-12-2400CE model meets the same specifications and complies with ETSI standards (300.328 v1.8.1). Non-CE models are non-compliant with some ETSI standards.

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** Notice about specifications: While Pliant makes every attempt to maintain the accuracy of the information contained in this document, this information is subject to change without notice, and published device/system functions and features are subject to firmware version. Please check our website for the latest system specifications and certifications.

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