



2.4GHz Radio Pack Product Specifications

CRP-22-2400 / CRP-44-2400 / CRP-22-2400CE* / CRP-44-2400CE*

Overview

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

Key Features

- Compact size and light weight (369 g/13 oz.)
- 7 kHz digital audio for excellent voice quality
- Familiar volume/talk user interface
- Large informative and easy-to-read display
- Isolated wireless conference (ISO) function
- Assignable function buttons (x2)
- 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-22-2400	CRP-44-2400
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: 2AX9C-CCT24 and IC: 30796-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	
Conferences	2	4
Simultaneous Listen Paths	True Dual Listen	True Quad Listen
Volume Knobs	2	4
Talk Buttons	2	4
Headset Connector	4-pin male XLR	
Microphone Type	Auto Detect or Manual Select; Dynamic or Electret	
LCD Display	280 × 64 resolution	
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	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 × 11.61 cm × 5.87 cm (4.50 in. × 4.57 in. × 2.31 in.)	
Weight (with Lithium-Polymer battery)	369 g (13 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	IP65	
Compliance Model Number	RP2500	

What's in the Box?

- CRP-22 / CRP-44 2.4GHz Radio Pack
- PBT-LIP-01 Lithium-Polymer Rechargeable Battery
- CAB-USB6-CHG USB A to Micro B Cable
- PBT-USB-CRP5V Multi-blade Worldwide Battery Charger/Power Supply
- D0000287 Product Overview Guide
- D0000219 Warranty Extension Registration Card

Accessories

- PBT-LIP-01 Rechargeable Lithium-Polymer Battery
- PBT-RPC-66 6+6 Drop-In Radio Pack and Battery Charger
- PHS-SB110 Single-Ear SmartBoom® PRO Headset
- PHS-SB210 Dual-Ear SmartBoom® PRO Headset
- PHS-SB11L Single-Ear SmartBoom® LITE Headset
- CAB-USB6-CHG USB A to Micro B Cable
- PBT-USB-CRP5V Multi-blade worldwide Battery Charger/Power Supply



CRP-22-2400 / CRP-22-2400CE
2-Volume / 2-Conference
2.4GHz Radio Pack



CRP-44-2400 / CRP-44-2400CE
4-Volume / 4-Conference
2.4GHz Radio Pack

CE *CRP-44-2400CE and CRP-22-2400CE models meet the same specifications and comply 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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