



# 900MHz\* Radio Pack Product Specifications

CRP-22-900 / CRP-44-900 / CRP-22-900AN\*\* / CRP-44-900AN\*\*

## Overview

The CrewCom Radio Pack is a highly designed, innovative digital wireless beltclip 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 9 hours continuous operation (Li-Poly)
- Easy-to-use spring-loaded belt clip

| Radio Pack Specification***                | CRP-22-900                                                                                                                                                                                                          | CRP-44-900       |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| RF Frequency (MHz)                         | 902–928 MHz<br>(915–928 MHz)**                                                                                                                                                                                      |                  |
| RF Scheme                                  | FHSS with TDMA                                                                                                                                                                                                      |                  |
| Effective Radiated Power                   | 400 mW (+26 dBm)                                                                                                                                                                                                    |                  |
| Receiver Sensitivity                       | -100 dBm at 10 <sup>-5</sup> BER                                                                                                                                                                                    |                  |
| Radio Certification                        | FCCID: 2AX9C-CCT900 and IC: 30796-CCT900                                                                                                                                                                            |                  |
| Transmission Range                         | 200 m (approx. 650 ft.) under typical conditions; 600 m (approx. 1950 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 9 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 4.5 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 900MHz 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-22-900  
2-Volume / 2-Conference  
900MHz Radio Pack



CRP-44-900  
4-Volume / 4-Conference  
900MHz Radio Pack

\*900MHz products only available in North America, Australia, and New Zealand.

\*\*CRP-22-900AN and CRP-44-900AN (Oceania) models are approved for use in Australia and New Zealand and operate within the 915–928 MHz frequency range.

Pliant Technologies, LLC  
CrewCom®  
205 Technology Parkway  
Auburn, Alabama 36830 USA  
www.plianttechnologies.com  
Phone +1.334.321.1160  
Toll-Free 1.844.475.4268 or 1.844.4PLIANT  
Fax +1.334.321.1162

\*\*\* 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.

Copyright ©2019-2023 Pliant Technologies, LLC. All rights reserved. The Pliant® and CrewCom® word marks and the Pliant "P" logo are registered trademarks of Pliant Technologies, LLC. The SmartBoom® word mark is a trademark of CoachComm LLC. All other trademarks are property of their respective owners.

CRP-900\_DATASHEET\_10.11.2023

**CREWCOM**  
BY PLIANT