2.4GHz BaseStation Product Specifications

CB2-2400 / CB2-2400CE*

Overview

The CB2 BaseStation establishes the wireless connectivity while also providing external connections to common established intercom systems. As a system, together with the Radio Packs, the BaseStation provides up to two communication channels.

Key Features

- Each CB2 BaseStation supports up to 6 Radio Packs
- Easy-to-use interface with large informative backlit display and clearly laid out quick-access controls
- 2-Wire and 4-Wire intercom connections
- Front panel USB ports for Radio Pack pairing and firmware updates
- Front panel headset monitor station
- Stage announce audio output and relay
- Aux In/Out for program input and intercom audio output
- External 2 dB omni-directional antenna
- Sync input to receive sync from another CB2 BaseStation or CrewCom system. Sync port can link audio between two CB2 BaseStations.

What's in the Box?

- CB2 BaseStation
- 14 VDC External Power Supply (part number PPS-14V)
- Omni-Directional Antenna
- USB A to Micro B Cable
- Quick Start Guide
- USB Flash Drive that includes product documentation and Firmware Updater Application
- Warranty Extension Registration Card

Accessories

- CRP-12-2400, CRP-12-2400CE 2-Channel/1-Volume Radio Pack

Specification**	CB2-2400
RF Frequency	2400–2483 MHz
RF Scheme	FHSS with TDMA
Effective Radiated Power	100 mW (+20 dBm)
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.
Hardwired Intercom Audio Channels	2
No. of Active Radio Packs Supported	6
No. of Paired Radio Packs Supported (per CB2)	6
USB Ports	(1) USB Type A; (1) Micro USB
Front Panel LCD Display	512 × 128 resolution
Stage Announce and Relay	1 Relay via Phoenix Conn
Sync Port (supports one connection)	(1) RJ-45 for copper
2-Wire Intercom Connection	2 Channels via XLR 3F with XLR 3M loop (2 ports)
2-Wire Compatibility	Clear-Com, RTS, and AudioCom (Balanced)
4-Wire Intercom Connection	2 Channels via RJ-45
Stage Announce Output	XLR 3M, balanced, transformer isolated
Aux In	6.35 mm (1/4 in.) 3 conductor jack, 17.5 dBu max in (nominal line level +5 dBu), balanced, transformer isolated
Aux Out	6.35 mm (1/4 in.) 3 conductor jack, 17.2 dBu into 600 ohms (nominal line level +5 dBu), balanced, transformer isolated
Power Input/Connector	2.5 × 5.5 × 8 mm, 14 VDC, 1.2 A
Dimensions (L × W × H)	1 RU, 48.26 × 4.39 × 29.67 cm (19.00 × 1.73 × 11.68 in.) metal enclosure
Weight	2.7 kg (5.9 lb)
Operating Environment	-20° to 50° C (-4° to 122° F); 10% to 90% Humidity
Maximum Sync Line Length	CAT 5e (or greater) 100 m (330 ft.)
Maximum Altitude	2,000 m (6,562 ft.)
RoHS Compliant	Yes
Compliance Model Number	B22545
Number of Antenna Connections per CB2	1
Antenna Connector Type	RP-TNC
Supplied Antenna	+2 dBi Omni-directional (whip)

* CB2-2400CE model meets the same specifications and complies with ETSI standards (300.328 v1.8.1). Non-CE models are non-compliance with some ETSI standards.

** 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. Please check our website for the latest system specifications and certifications.



CB2-2400
Front View



CB2-2400
Rear View

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