



# Control Unit Product Specifications

## CCU-22 / CCU-44

### Overview

The Control Unit (CU) is the foundational element of the CrewCom system and establishes the CrewNet-based infrastructure while also providing external connections to common, established intercom systems. By design, the CU contains no radio and is frequency agnostic and can therefore control and monitor any device across CrewNet regardless of radio frequency bands being utilized.

### Key Features

- Each CU supports up to 18 active Radio Packs (RPs) across all RF bands
- Easy-to-use interface with large informative backlit display and clearly laid out quick-access controls
- Simultaneously active 2-Wire and 4-Wire intercom connections
- Front panel USB ports for Radio Pack pairing, CrewCom device firmware updates, and configuration file uploads
- Duplex LC Single Mode Fiber and traditional Cat 5e or greater CrewNet connections
- LAN port for CrewWare connectivity via computer network
- Front panel headset monitor station
- Stage announce audio output
- AUX In/Out for program input and intercom audio output
- GPO Contact closure relays (x 5)
- Sync input to receive sync from another CrewCom system

### What's in the Box?

- CCU-22 / CCU-44 Control Unit
- PC-PWR-XX (Region Specific) AC Power Cord
- 00003402 USB A to Micro B Cable
- PC-CAT5-15BL Cat 5e cable, 4.6 m (15 ft.)
- D0000220 Quick Start Guide
- PAC-CCU-8G USB flash drive that includes product documentation
- D0000219 Warranty Extension Registration Card

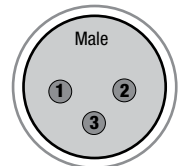
### Accessories

- CRT-900, CRT-900AN, CRT-2400, CRT-2400CE Radio Transceiver
- CHB-8C 8-Port Copper Hub
- CHB-8F 8-Port Fiber Hub
- CRP-22-900, CRP-22-900AN, CRP-22-2400, CRP-22-2400CE 2-Volume/2-Conference Radio Pack
- CRP-44-900, CRP-44-900AN, CRP-44-2400, CRP-44-2400CE 4-Volume/4-Conference Radio Pack

Specification*	CCU-22	CCU-44
Hardwired Intercom Audio Channels	4	8
Active Radio Packs	18 (18 active Radio Packs requires use of 3 RTs.)	
No. of Paired Radio Packs Supported (per CU)	255	
USB Ports	(1) USB Type A; (1) Micro USB	
Front Panel LCD Display	512 x 128 resolution	
Stage Announce and GPO Closures	5 Relays via DA-15	
CrewNet Ports (supports 2 connections)	(2) RJ-45 for copper; (1) duplex LC for Single Mode Fiber	
Sync In Ports (supports 1 connection)	(1) RJ-45 for copper; (1) duplex LC for Single Mode Fiber	
2-Wire Intercom Connection	2 channels via XLR 3F with XLR 3M loop (2 ports)	4 channels via XLR 3F with XLR 3M loop (4 ports)
2-Wire Compatibility	Clear-Com, RTS, and AudioCom (Balanced)	
4-Wire Intercom Connection	2 ports via RJ-45      4 ports 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	
LAN Port	(1) RJ-45 10/100 BASE-T 802.3 compliant	
Power Input/Connector	100-240V ~ 50-60 Hz, 0.8A	
Dimensions (L x W x H)	1 RU, 48.26 cm x 4.39 cm x 29.67 cm (19.00 in. x 1.73 in. x 11.68 in.) metal enclosure	
Weight	2.7 kg (5.9 lbs)	2.9 kg (6.5 lbs)
Operating Environment	-20° to 50° C (-4° to 122° F); 10% to 90% Humidity.	
Maximum CrewNet Line Length	Copper 100 m (330 ft.); Fiber 10,000 m (32,800 ft.)	
Maximum Altitude	2,000 m (6,562 ft.)	
RoHS Compliant	Yes	
Compliance Model Number	CU2510	

4-Wire RJ-45 Connections	
RJ-45 Pin #	CrewCom 4-Wire Pin #
Pin 1	Pin 8
Pin 2	Pin 7
Pin 3	Audio Output (+)
Pin 4	Audio Input (+)
Pin 5	Audio Input (-)
Pin 6	Audio Output (-)
Pin 7	Pin 2
Pin 8	Pin 1

3-Pin Wiring Scheme			
Pin #	Clear-Com	AudioCom	RTS
1	Common	Common	Common
2	Power	Audio (-) & Power	Audio 1 & Power
3	Audio	Audio (+) & Power	Audio 2



CCU-22 / CCU-44  
Front View



CCU-22: 2+2 Channel Control Unit  
(Two 2-Wire plus Two 4-Wire)  
Rear View



CCU-44: 4+4 Channel Control Unit  
(Four 2-Wire plus Four 4-Wire)  
Rear View

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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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