



Control Unit Product Specifications

CCU-22 / CCU-44 / CCU-08

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 Normal Mode Radio Packs (RPs) and 64 High Density Mode 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 (CCU-22 & 44) or eight 4-Wire (CCU-08) intercom connections
- Front panel USB ports for Radio Pack pairing, CrewCom device firmware updates and computer connectivity
- 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 / CCU-08 Control Unit
- Region Specific AC Power Cord
- CAB-USB6-CHG USB A to Micro B Cable
- PC-CAT5-15BL Cat 5e cable, 4.6 m (15 ft.)
- D0000220 Quick Start Guide
- D0000367 USB flash drive that includes product documentation
- D0000219 Warranty Extension Registration Card

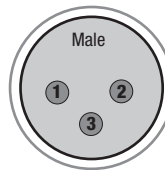
Accessories

- CRT-900, CRT-900AN, CRT-2400, CRT-2400CE Radio Transceiver
- CHB-8C-02 8-Port Copper Hub
- CHB-8F 8-Port Fiber Hub
- CRP-22-900, CRP-22-900AN, CRP-22-2400, CRP-22-2400CE 2-Volume/4-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 | CCU-08 |
|--|--|--|-------------------|
| Hardwired Intercom Audio Channels | 4 | 8 | 8 |
| Active Radio Packs | Normal Operational Mode: 18 (requires use of at least 3 RTs.) High Density Operational Mode: 64 (requires use of at least 2 RTs.) | | |
| No. of Paired Radio Packs Supported (per system) | Normal Operational Mode: 72 High Density Operational Mode: 256 | | |
| USB Ports | (1) USB Type A; (1) Micro USB | | |
| Front Panel LCD Display | 512x128 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) | N/A |
| 2-Wire Compatibility | Clear-Com, RTS, and AudioCom (Balanced) | | N/A |
| 4-Wire Intercom Connection | 2 ports via RJ-45 | 4 ports via RJ-45 | 8 ports via RJ-45 |
| Stage Announce Output | XLR 3M, nominal 12 dBu into 600 ohms, balanced, transformer isolated | | |
| AUX IN | 6.35 mm (1/4 in.) 3 conductor jack, 17.5 dBu max in, balanced, transformer isolated | | |
| AUX OUT | 6.35 mm (1/4 in.) 3 conductor jack, 12 dBu into 600 ohms, balanced, transformer isolated | | |
| LAN Port | (1) RJ-45 | | |
| Power Input/Connector | 100-240V ~ 50-60 Hz, 1.8A | | |
| Dimensions (L x W x H) | 1 RU, 48.3 cm x 4.4 cm x 29.7 cm (19 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 Line Length | Copper 100 m (330 ft.); Fiber 10,000 m (32,800 ft.) | | |
| Maximum Altitude | 3,000 m (9,842 ft.) | | |
| RoHS Compliant | Yes | | |

| 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 |





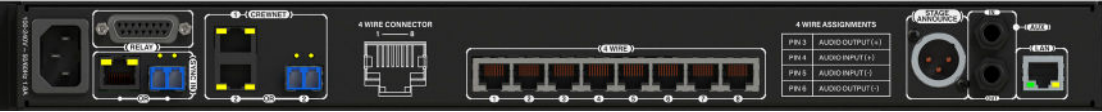
CCU-22 / CCU-44 / CCU-08
Front View



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



CCU-08: 8 4-Wire Control Unit
(Eight 4-Wire)
Rear View

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The following device models have not been authorized as required by the rules of the Federal Communications Commission. These devices are not, and may not be, offered for sale or lease until authorization is obtained.
Models: CCU-22, CCU-44, and CCU-08

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