# CrewCom Control Unit

**CRP-22-900**

**2-Volume / 2-Conference**

**900MHz Radio Pack**

**CRP-44-900**

**4-Volume / 4-Conference**

**900MHz Radio Pack**

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.

- 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

| 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 × 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 × 4.39 cm × 29.67 cm (19.00 in. × 1.73 in. × 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 | |