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?

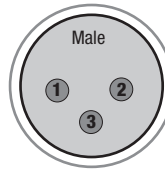|	
CCU-22 / CCU-44 / CCU-08	Control Unit
Region Specific	AC Power Cord
CAB-USB6-CHG	USB A to Micro B Cable
PC-CAT5-15BL	Cat 5e cable, 4.6 m (15 ft.)
D0000220	Quick Start Guide
D0000367	USB flash drive that includes product documentation
D0000219	Warranty Extension Registration Card

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 × 4.4 cm × 29.7 cm (19 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 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

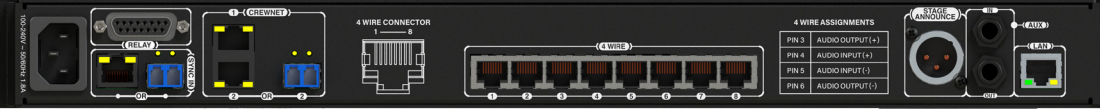| 3-Pin Wiring Scheme			
Pin #	**Clear-Com**	**AudioCom**	**RTS**
1	Common	Common	Common
2	Power	Audio (-) & Power	Audio 1 & Power
3	Audio	Audio (+) & Power	Audio 2

Male
① ②
③

CREWCOM
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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

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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