

Wired Digital Conference System Controller

Central Control Unit

Model: CLA-CON20CU-M2



SUMMARY

- ❖ The Digital Conference controller is a powerful, scalable solution for modern meeting environments. Featuring advanced Digital signal processing, IEC60065 compliance, and high-fidelity 48kHz audio, it delivers crystal-clear sound with adaptive feedback suppression and strong anti-interference protection. With 2.8" LCD enables easy setup without a computer, while flexible connectivity supports up to 65,535 units through multiple additional expansion units/power supply. Integrated camera tracking, video matrix switching, and HD compatibility ensure seamless audio-visual integration. With USB recording/playback, priority chairman and VIP functions, and intelligent automatic protection, the 6500MSR combines reliability, versatility, and professional performance for large-scale conferences and boardrooms.

adaptive feedback suppression ensures distortion-free communication, while advanced shielding eliminates mobile phone interference for uninterrupted clarity in any environment.

❖ Intuitive Operation

A vibrant 2.8" LCD color display enables effortless system setup without a computer, streamlining installation and troubleshooting. Precision panel controls manage auxiliary, microphone, and unit output levels, with 32-step LED indicators providing instant feedback and overload protection.

FEATURES

❖ Premium Audio Performance

Deliver crystal-clear sound with high-fidelity, lossless transmission at 48kHz sampling and a full 20Hz–20kHz frequency range. The integrated DSP audio engine with

❖ Scalable Connectivity

Designed for growth, the system supports up to 180 units via six output interfaces and expands seamlessly to 65,535 units across 256 hosts. Flexible connection options—including daisy-chain, junction boxes, T-connectors, and ring



configurations—combined with intelligent ID addressing, guarantee conflict-free scalability.

❖ Smart Video Integration

Built-in camera tracking with VISCA and PELCO-D/P protocol support delivers automatic recall without external software. A 4×4 SD video matrix with loop-out simplifies multi-signal management, while HD decoder compatibility ensures smooth switching between high-definition sources.

❖ Convenient Recording & Playback

Capture and replay meeting audio directly via USB flash drive, ensuring important discussions are always preserved and accessible.

❖ Advanced Conference Management

Adapt to any meeting style with FIFO mode (1–6 speakers), free discussion mode, and priority controls for up to eight chairman units. Factory-set VIP units enjoy unrestricted speaking privileges, ensuring seamless participation for key delegates.

❖ Reliable & Secure

Intelligent protection technology maintains audio transmission even during host power interruptions. 8-core DIN shielded cabling prevents electromagnetic interference, while RS-232 integration ensures secure, stable connectivity with PCs and central control systems.

❖ Ideal for

Large-scale conferences, government institutions, corporate boardrooms, and venues demanding robust, scalable audio-visual integration with uncompromising reliability.

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SPECIFICATIONS

Model No.	CLA-CON20CU-M2
Processing Technology	Digital Signal Processing
Display	2.8-inch, 128 x 64 graphic LCD display
Frequency Response	20Hz~20KHz
Signal to noise level	>96 dB
Dynamic range	106dB
Total harmonic distortion	< 0.05%
Output impedance	47 KΩ
Audio input	RCA×2 +20dB XLR×1 +10dB



Audio output	Main output RCA x 2 +20dB XLRx1 +10dB
Video input	RCAx4
Video output	RCAx5 1.08V p - p
Video output impedance	75Ω
System connectivity	20-25 units per road/channel, expandable to 30 units per road/channel
Video control	RS-232/RS-485 Phoenix terminal
Working temperature	-40°C~+70°C
Power Supply	AC100V~240V 50Hz/60Hz