

Digital Array Conference Units

Chairman & Delegate Units

Model: CLA-CON20VARS-C



SUMMARY

- This advanced conference microphone unit integrates DSP/DDOV digital technology powered by the stable IRIN chip, ensuring precise signal transmission and seamless audio processing. Its dual backup design supports both hand-in-hand conferencing and phantom power dual-system output, providing robust audio redundancy. The microphone stem features 32,500 high-density acoustic interference holes (0.4 mm diameter), engineered with precision aperture spacing and interference correction technology to enhance vocal pickup sensitivity across the human voice frequency range.

Designed for high-performance environments, with built-in automatic gain control (AGC), ensuring consistent clarity. It supports “ring hand-in-hand” connectivity via professional 8-core or CAT5 cabling, shielded with full-length aluminium foil and waterline protection to eliminate electromagnetic interference. The system accommodates eight flexible conference modes—including speaker limits, FIFO, LIFO, chairman approval, voice activation, timed speech, queuing, and free discussion—tailored for dynamic meeting control.

The microphone pole is magnetically pluggable and equipped with dual 9.7 mm gold-plated condenser capsules in a vertical array for high-fidelity capture. Touch-sensitive keys powered by the FTC334C capacitive chip offer silent operation and extended durability. With digital ID addressing, customizable ID numbers, and identification codes, the system supports integration with third-party speech recognition platforms for real-time transcription and archiving.

FEATURES

- ❖ **Advanced DSP/DDOV Technology**
Powered by the stable IRIN chip, ensuring seamless digital signal transmission and precise audio processing.
- ❖ **Dual Backup Design**
Supports hand-in-hand conferencing and phantom power dual-system audio output simultaneously, guaranteeing reliable signal redundancy.
- ❖ **Precision Microphone Stem**
Engineered with 32,500 high-density acoustic interference holes (0.4 mm diameter), optimized aperture spacing, and interference correction technology to deliver exceptional vocal pickup sensitivity.
- ❖ **High-Sensitivity Pickup**
Built-in automatic gain control (AGC) extends effective pickup distance for effortless speech clarity.
- ❖ **Professional Shielded Cabling**
Ring hand-in-hand connectivity with professional 8-core or CAT5 cable, fully shielded with aluminum foil and waterline protection to eliminate electromagnetic interference.

❖ **Versatile Conference Modes**

Eight advanced modes including speaker limit, FIFO, LIFO, chairman approval, voice activation, timed speech, queuing, and free discussion for flexible meeting management.

❖ **Magnetic Pluggable Microphone Pole**

Equipped with dual 9.7 mm gold-plated condenser capsules in a vertical array for high-fidelity sound capture

❖ **Touch-Sensitive Keys**

Advanced capacitive chip enables silent, durable virtual touch keys with no mechanical noise.

❖ **Smart Digital ID Addressing**

Customizable ID numbers with digital identification codes; integrates with third-party speech recognition systems for real-time transcription and archiving.

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SPECIFICATIONS

Model No.	CLA-CON20VAR/S-C&D
Type	Table Top
Communication	RJ45(CAT6)
Maximum spl	136db
Sensitivity	-35dB±2dB
Frequency response	20Hz~20KHz
Sampling frequency	48KHz
Display Size	3.5"
Headphone jack	2no.
USB Port	2no.
Signal to noise ratio	92db
Headphone load	>16Ω
Headphone volume	10mW
Equivalent Noise	22dBA
Microphone Type	Array
Microphone Size (W*D*H)	183×120×52mm
Main unit weight	1.88kg
Colour	Black

