VCS1000D
Wired Digital Network Conference System

VALaudio

Die Liebe zur Musik

KEY FEATURES
CONTROLLER UNIT

- **User-Friendly Interface:**
  Easy navigation through front panel buttons for an intuitive user experience.

- **Efficient CAT5e Connectivity:**
  Transmit up to 64 channels of audio seamlessly through a single CAT5e cable.

- **High-Fidelity audio Transmission:**
  Lossless audio transmission technology ensures impeccable sound quality with a 48K audio sampling rate.

- **Robust "Hand-in-Hand-Loop-Network":**
  Guarantees system reliability by maintaining seamless operation, even in the presence of malfunctioning units.

  Automatic assignment of unique IDs to prevent any duplicate ID conflicts among units.

- **Versatile USB Recording:**
  Front panel USB port enables convenient recording (up to 32GB capacity) for efficient data management.

- **Advanced Noise Cancellation:**
  Incorporates cutting-edge noise cancellation technology for crystal-clear audio output.

- **Flexible Audio Inputs:**
  Dual-channel audio input options via XLR or RCA for local and remote video-conferencing needs.

- **Multiple Audio Outputs:**
  Three audio output options - XLR, RCA, or Phoenix connector - providing versatility in connectivity.

- **Scalable Discussion Unit Capacity:**
  Easily expandable up to 5200 discussion units using the EXM digital power box.

- **Hot-Swap Functionality:**
  Effortless hot-swap capability for any system unit.

  Controller features an auto-recovery function for continuous system stability.

- **Effortless TCP/IP Connection:**
  Seamless TCP/IP connection between the controller and laptop for efficient communication.

- **Camera Auto-Tracking Capability:**
  RS485 or RS232 support for PELCO/VISCA protocol transmission, enabling camera auto-tracking functionality.

- **Wide Voltage Operating Range:**
  Operates within a broad voltage range, from 100V to 240V AC, ensuring adaptability to various power sources.

VCS1000D
Wired Digital Network Conference System

VALaudio

Die Liebe zur Musik

KEY FEATURES
CHAIRMAN UNIT / DELEGATE UNIT

- **Elegant and Compact Design:**
  Stylish and low-profile design featuring physical buttons for a modern aesthetic.

- **Versatile Mounting Options:**
  Units can be utilized either tabletop or flush-mounted for flexible installation.

- **Convenient Connectivity:**
  Standard CAT5e and RJ45 connectors in the VCS1000D series for easy setup and future project maintenance.

- **Enhanced Audio Experience:**
  Chairman and Delegate units boast two high-fidelity internal speakers for superior audio quality.

- **Headset Interface with Volume Control:**
  Integrated headset interface with adjustable volume levels for personalized audio experiences.

- **Innovative Digital Ring Network:**
  AUDIO-LINK digital ring network technology ensures full-digital signal transmission and processing.
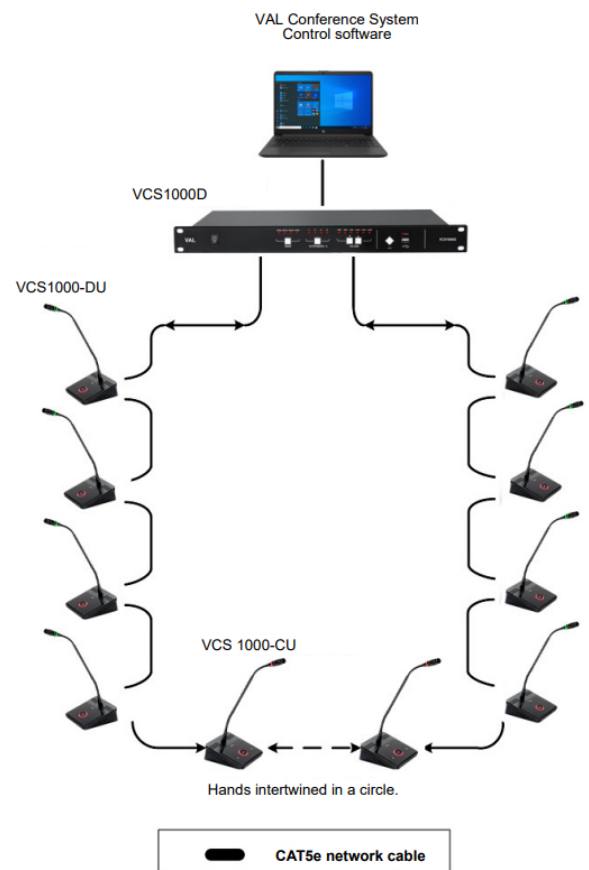
  Effectively eliminates RF interference from mobile or similar devices.

- **Efficient Single Cable Transmission:**
  Single CAT5e cable capable of transmitting 64 channels of audio, streamlining connectivity.

- **Automatic Unit Identification:**
  System automatically assigns a unique ID to each unit, preventing duplicate ID conflicts.

- **Reliable Hand-in-Hand-Loop-Network:**
  "Hand-in-Hand-Loop-Network" connection ensures optimal system performance and unparalleled reliability.

- **Chairman Unit Functionality:**
  Chairman unit features buttons for MIC ON/OFF, Priority, and Apply Answer for enhanced control.

  Clear Button deactivates all active delegate microphones or mutes the system, while Approval Button enables the applying microphone under the apply mode.

- **Gooseneck Condenser Microphone:**
  410mm (16") gooseneck condenser microphone with an integrated connector for seamless connections to base units.

- **Intuitive LED Ring Indicator:**
  Microphone features a two-color LED ring indicator; RED indicates speaking, while GREEN indicates chairman approval to speak.

- **Wind-Resistant Microphone Cover:**
  Equipped with an anti-wind foam cover for clear audio transmission even in challenging environmental conditions.

APPLICATION DIAGRAM

VAL Conference System
Control software

VCS1000D

VCS1000-DU

VCS 1000-CU

Hands intertwined in a circle.

◼━━ CAT5e network cable

VCS1000D
Wired Digital Network Conference System

VALaudio

Die Liebe zur Musik

SPECIFICATIONS

VCS1000D - CONTROLLER UNIT	
Power	100V - 240V AC@50/60Hz
Static power consumption	12W
Maximum power consumption	150W
Unit power supply	POE48VDC
RS-232 control socket	1x9 pin sub female socket 1x9 pin sub-D male
Ethernet control	RJ45 connect computer control
Frequency response	20Hz ~ 20KHz
Total harmonic distortion (THD)	<0.02%
Signal to Noise ratio	>89dBA
Crosstalk	> 75dB
Dynamic Range	94dB
Color	Black
Dimension (LxWxH)	483 x 260 x 43.6 mm
Weight	3 Kg

VCS1000CU - CHAIRMAN UNIT / VCS1000DU - DELEGATE UNIT	
Maximum power consumption	2.0W
Frequency response	20Hz ~ 20kHz
Total harmonic distortion (THD)	<0. 02%
Signal-to-noise ratio (S / N)	> 86dB
Maximum microphone input	> 100dB SPL
Dynamic range	94dB
Speaker rated output	> 75dB SPL at 0.5m
Sensitivity	- 46 dBV / Pa
Connection method	CAT5 / CAT6 cable + snap
Buttons	Stroke button
Unit body type	Aluminum alloy, ABS
Color	Black
Weight	0.9 Kg
Microphone type	Condenser
Conference unit connection	Mini 6 pin
Maximum SPL	125dB (THD<3%) (1 kHz at 1% THD, 1 kΩ load)
Frequency response	35Hz ~ 20KHz
Dimension	410mm / 16"