Datasheet

ACS-WRDCCU | Digital Wired Conference Control Unit



Key features

- Intuitive Button Design that requires no training and offers straightforward operation.
- AUDIOSYS Digital Ring Network Technology delivers complete digital signal transfer and processing.
- Single CAT5e Cable supports up to 64 audio channels and other signals.
- High-Resolution Audio Quality achieved through lossless transmission, a 48K sampling rate, and a frequency range of 20Hz to 20KHz.
- Hand-in-Hand-Loop-Network ensures dependable system performance, even with unit replacements or failures.
- USB Recording with sophisticated noise-cancellation features for enhanced clarity in recordings.

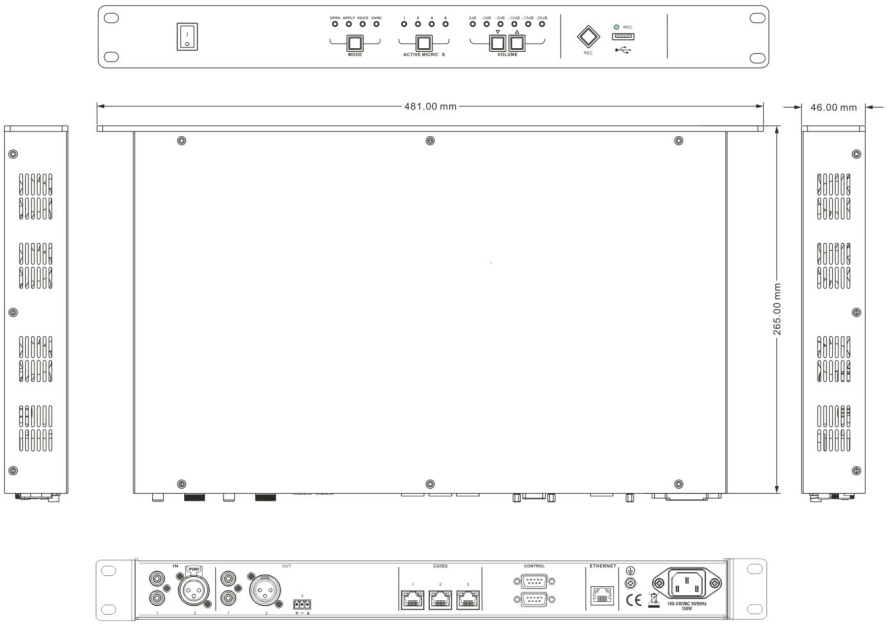
Product Overview

The Macsys ACS-WRDCCU Digital Conference Controller is designed for effortless usability with its intuitive function buttons and advanced features. Utilizing unique AUDIOCON digital ring network technology, it ensures full-digital signal transmission and processing with lossless audio quality, supporting up to 64 channels via a single CAT5e cable. The system boasts high-fidelity sound with a 48K audio sampling rate and 20Hz-20KHz frequency response, and features a robust "Hand-in-Hand-Loop-Network" for reliable performance even with unit changes or malfunctions. It supports USB recording with advanced noise cancellation, offers multiple audio inputs and outputs, and allows seamless expansion to 5200 discussion units with power boxes. Additional features include TCP/IP connectivity, RS485/RS232 camera control, and a versatile range of discussion modes and voting functions, all operable without PC software. With hot-swappable units and automatic system recovery, the ACS-WRDCCU delivers both sophistication and reliability for any conference setting.

Techinical Specification

Featues	Detail
Power Input	100V / 240V AC @ 50/60Hz
Idle Power Consumption	12W
Peak Power Consumption	150W
Power Source	POE48V DC
RS-232 Interface	1x9 pin sub female socket, 1x9 pin sub-D male socket
Ethernet Interface	RJ45 connector for computer control
Frequency Range	20 Hz to 20 kHz
Total Harmonic Distortion (THD)	< 0.05%
Channel Isolation	> 85 dB
Signal-to-Noise Ratio (S/N)	> 96 dBA
Dynamic Range	> 94 dB
Dimensions	481L x 265W x 46H mm
Weight	3 kg
Color	Black
Certifications	CE, RoHS compliance

Dimension



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