4x8 Professional Audio Processor

Model
AVWK-ESS01

Key Features:

- DELAY/ECHO: CREATES A DELAYED REPETITION OF SOUND FOR SPECIAL EFFECTS.

- NOISE REDUCTION: REMOVES UNWANTED BACKGROUND NOISE TO ENHANCE AUDIO CLARITY.

- EQUALIZATION (EQ): ADJUSTS THE BALANCE OF AUDIO FREQUENCIES (E.G., BASS, MIDS, TREBLE)

- GAIN CONTROL: MANAGES INPUT/OUTPUT VOLUME LEVELS TO PREVENT DISTORTION OR CLIPPING.

- FILTERING: APPLIES HIGH-PASS, LOW-PASS, OR BAND-PASS FILTERS TO ISOLATE SPECIFIC FREQUENCIES.

- DYNAMIC COMPRESSION: REDUCES THE DIFFERENCE BETWEEN THE LOUDEST & SOFTEST PARTS OF THE AUDIO.

- AUTOMATIC GAIN CONTROL (AGC): AUTOMATICALLY ADJUSTS AUDIO LEVELS TO MAINTAIN CONSISTENT VOLUME.

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Specifications	
Audio Connector	3.81 mm Phoenix plug, 12-pin
Input Impedance	5.4kΩ
Phantom Power	+48VDC, 6.5mA per input channel
Input Analog Gain	-5/0/5/10/20/29/37/43
Maximum Delay Setting Per Channel	1500ms
Output Channel	8 balanced outputs line level
Output Impedance	102Ω
Maximum Output Level	8V
Frequency Response Curve	20Hz-20kHz (±1dB)
THD+N	-85dB (1kHz, A-wt)
S/N Ratio	95dB (1kHz, A-wt)
TCP/IP Network Port	RJ-45
RS232	Phoenix connector (for serial command control)
RS485	Phoenix connector (for serial command control)
GPIO Port	Phoenix connector, for recalling machine archive (customizable function)
Indicator Light	Power, Link
Display Screen	IP address, version
Power Supply	AC100V---240V 50/60 Hz
Operating Temperature	-20℃--80℃
Dimensions	44.5mm×482mm×265mm
Net Weight	3.35kg, 4.3kg

ABOUT AVAIVI

AVAIVI is a dynamic and innovative DPIIT recognized Startup Company for its commitment to driving excellence, fostering innovation, and contributing to Bharat's burgeoning entrepreneurial landscape. AVAIVI specializes in providing cutting-edge Audio-Visual Solutions, AI-based Software and Security & Surveillance Technology.

AV Technology: AVAIVI's state-of-the-art audio-visual solutions redefine how information is presented and shared. Our innovative AV solutions include interactive displays, digital signage, audio systems, and immersive multimedia experiences.

AI Software Suite: From predictive analytics to process optimization, our AI-based software applications empower organizations to make informed decisions, streamline operations, and stay ahead in a rapidly evolving digital landscape.

Video Surveillance: AVAIVI's expertise in CCTV security surveillance technology goes beyond traditional monitoring. Our comprehensive solutions encompass advanced camera systems, intelligent video analytics, and remote monitoring capabilities.