

DVDO

DVDO-AA40W-1

40W 70/100V Class-D Audio Amplifier with 3 Inputs



DVDO-AA40W-1 is a 40W Class D power amplifier with selectable 70V or 100V output. It is ideal for small to medium-sized AV environments, including classrooms, meeting rooms, small venues, bars, restaurants, and digital signage systems.

It features two stereo inputs (one 3.5 mm line-in jack and one pair of RCA L/R inputs), one digital input, and one balanced MIC input.

It integrates advanced functions such as audio ducking, EQ control, and a MIC mixer. The MIC input supports three selectable levels, accommodating condenser mic, dynamic mic, or line-level audio sources.

Operation is flexible, with control options via front panel buttons, IR remote or RS-232 with a control software.

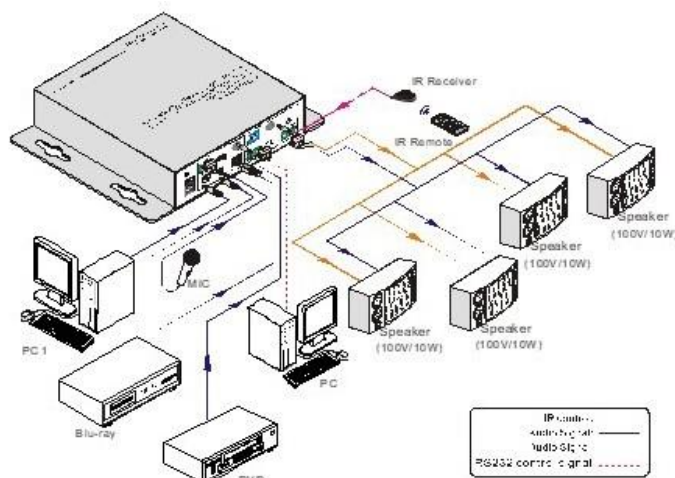
Features

- High-efficiency Class D amplification with low heat generation and reliable operation
- Compact design suitable for rack, wall, ceiling or under-table mounting
- Mono audio output at 40Watt
- Switchable between 70V and 100V
- Ducking function
- 3-level MIC input, supports condenser microphone, dynamic microphone and wireless microphone
- MIC port can support balance/unbalance signal, suppress the external noise effectively
- Two stereo audio inputs and one digital audio input, switchable by button, IR remote & RS232
- Volume/Bass/Treble controllable by buttons, IR remote & RS232
- Fast switching speed for good performance
- LED indicator, for power and working status

Applications

- Conference Rooms
- Boardrooms
- Hospitality
- Lecture Halls
- Education
- Digital Signage

Application Diagram



Technical Specifications

Parameters	
Rated Power Output	40W
Input Impedance	>10kΩ
Frequency Response	20Hz – 20kHz
THD+N	1% at 1kHz; 0.3% at 20kHz at Nominal Level
Voltage Gain	26dB
Signal-to-Noise Ratio (SNR)	80dB max
Common Mode Rejection Ratio	>70dB @ 20Hz ~ 20kHz
Connections	
Audio Inputs	- Stereo line input [2 RCA L/R connectors] - MIC input [3-pole 3.81mm captive screw connector & 3.5mm jack] - Digital fiber audio [S/PDIF optical connector]
Audio Output	- Mono amplifier [3-pole 3.81mm captive screw connector] - Constant voltage 70V or 100V
Control Interfaces	- RS232 [3-pole 3.81mm captive screw connector] - IR [3.5mm jack] - 16 ID codes + front panel buttons
Power	
Power Supply	100-240V AC @ 50/60Hz / 24V DC @ 2.71A
Power Consumption	5W (Standby)
Mechanical	
Enclosure	Black metal
Dimensions	130 (W) x 144 (D) x 44 (H) mm
Net Weight	0.860g
Environmental	
Operating Temperature	Operating: 0°C ~ +40°C / Storage: -10°C ~ +60°C
Relative Humidity	10%-90%, non-condensing