

## DVDO-AA2x20W-1

### 2x20W Class-D Audio Amplifier with 3 Inputs

DVDO-AA2x20W-1 is a compact Class D stereo audio amplifier ideal for small to medium-sized AV environments, including classrooms, meeting rooms, small venues, bars, restaurants, and digital signage systems.

It offers two analog audio inputs (1 x stereo RCA and 1 x 3.5mm) plus a microphone input with switchable 48V phantom power and an integrated mixer function.

The amplifier supports three output configurations: Stereo (2 x 20W @ 4Ω), Mono, and Bridge (1 x 40W @ 8Ω), with adjustable bass, treble, volume and input selection controls.

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



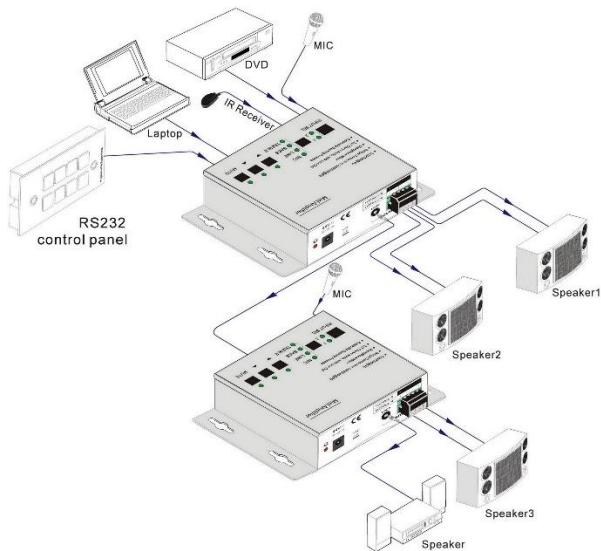
## Features

- High-efficiency Class D amplification with low heat generation and reliable operation
- Compact design suitable for rack, wall, ceiling or under-table mounting
- Two analog audio + one microphone switchable inputs with mixer function
- Balanced/unbalanced MIC input supports 48V phantom power, dynamic and wireless microphones
- Switchable output modes: Stereo 2x20W @ 4Ohm (default), Dual Mono or Bridge 1x40W @ 8Ohm
- Loop output for signal pass-through or daisy-chaining
- Noise gate: automatically mutes the output when no input signal
- Independent volume, bass and treble control
- Control via front panel buttons, IR & RS232

## Applications

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

# Application Diagram



## Technical Specifications

| Parameters                         |   |
|------------------------------------|---|
| Output Power                       | 2 x 20W @ 4Ω / 1 x 40W @ 8Ω   |
| Output Impedance                   | 50Ω Analog Output; 4/8Ω Speaker Output  |
| Input Impedance                    | >10kΩ   |
| Frequency Response                 | 20Hz – 20kHz (±1dB)   |
| THD+N                              | 1% at 1kHz; 0.3% at 20kHz at Nominal Level  |
| Signal-to-Noise Ratio (SNR)        | 80dB max  |
| Common Mode Rejection Ratio (CMRR) | >70dB @ 20Hz ~ 20kHz  |
| Connections                        |   |
| Audio Inputs                       | <ul style="list-style-type: none"> <li>- Two stereo line inputs [RCA L/R &amp; 3.5mm jack]</li> <li>- MIC input [3-pin terminal block, 3.81mm], supports 48V phantom power</li> </ul> |
| Audio Outputs                      | <ul style="list-style-type: none"> <li>- Speaker output [4-pin terminal block, 5.08mm], supports 8Ω (bridge) or 4Ω (stereo) load</li> <li>- Audio loop output [3.5mm jack]</li> </ul> |
| Control Interfaces                 | <ul style="list-style-type: none"> <li>- RS232 [3-pin terminal block]</li> <li>- IR [3.5mm jack]</li> </ul>   |
| Power                              |   |
| Power Supply                       | 100-240V AC @ 50/60Hz / 24V DC @ 2.71A  |
| Power Consumption                  | ≤ 45W (max)   |
| Mechanical                         |   |
| Enclosure                          | Black metal   |
| Dimensions                         | 123 (W) x 87 (D) x 40 (H) mm  |
| Net Weight                         | 0.720g  |
| Environmental                      |   |
| Operating Temperature              | Operating: 0°C ~ +40°C / Storage: -10°C ~ +60°C   |
| Relative Humidity                  | 10%-90%, non-condensing   |