

## Mini 2-Input Class D Audio Amplifier with Mic Mixer

Quarter-rack stereo amplifier with 48V phantom power, ducking, EQ control & RS232

MPN: AP2DBL



The KanexPro AP2DBL eliminates the need for a separate mic preamp and mixer in space-constrained AV installations. This quarter-rack-width Class D amplifier delivers 2×20W at 4Ω with a built-in microphone mixer featuring 48V phantom power, automatic ducking, and independent volume control — combining amplification, mixing, and EQ in a single compact chassis.

Two switchable stereo inputs (RCA and 3.5mm) accommodate media players, laptops, and wireless mic receivers, while the balanced MIC input supports condenser, dynamic, and line-level sources. RS232 control with a documented command set enables integration with Crestron, Extron, and other room controllers. Bridge mode doubles output to 1×40W at 8Ω for single-speaker installations, and a stereo loop output enables multi-zone daisy-chaining.

<p><b>2×20W</b> Class D Amplifier</p>	<p><b>48V</b> Phantom Power</p>	<p><b>Ducking</b> Auto MIC Priority</p>	<p><b>RS232</b> Serial Control</p>	<p><b>Bridge</b> 1×40W Mono</p>
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### KEY FEATURES

- Class D amplifier delivering 2×20W at 4Ω (bridgeable to 1×40W at 8Ω)
- Built-in microphone mixer with independent volume control and balance switching
- 48V phantom power for condenser microphones with MIC/LINE mode switching
- Automatic ducking prioritizes mic audio over background music
- Two switchable stereo audio inputs (RCA + 3.5mm) via button, IR, or RS232
- Volume, bass, and treble EQ adjustable via front-panel buttons or RS232
- RS232 control (9600/8/N/1) with full command set for input switching, preset levels, and status query
- Stereo loop output for daisy-chaining to additional amplifiers or zones
- Convection-cooled, fanless design with internal universal power supply (100–240V AC)

### SPECIFICATIONS

<b>Power Output</b>	2×20W @ 4Ω (bridgeable 1×40W @ 8Ω)
<b>Audio Inputs</b>	2× Stereo (RCA + 3.5mm) • 1× MIC (captive screw, balanced)
<b>Audio Outputs</b>	1× Amplifier (captive screw) • 1× Loop (3.5mm)
<b>MIC Modes</b>	48V Phantom • Dynamic MIC • LINE
<b>Frequency Response</b>	20 Hz – 20 kHz
<b>SNR / THD+N</b>	80 dB • 1% @ 1 kHz, 0.3% @ 20 kHz
<b>Voltage Gain</b>	32 dB
<b>Control</b>	RS232 (9600/8/N/1) • IR (optional) • TCP/IP (optional via TCPRS2)
<b>Power Supply</b>	Internal 100–240V AC, 50/60 Hz • 3.6W consumption
<b>Dimensions / Weight</b>	1.5" × 3.78" × 3.45" (HWD) • 0.67 lbs
<b>Certifications</b>	CE • FCC • UL • 3-Year Warranty

### PACKAGE CONTENTS

1× AP2DBL Audio Amplifier • 1× Power Cable • 1× User Manual

