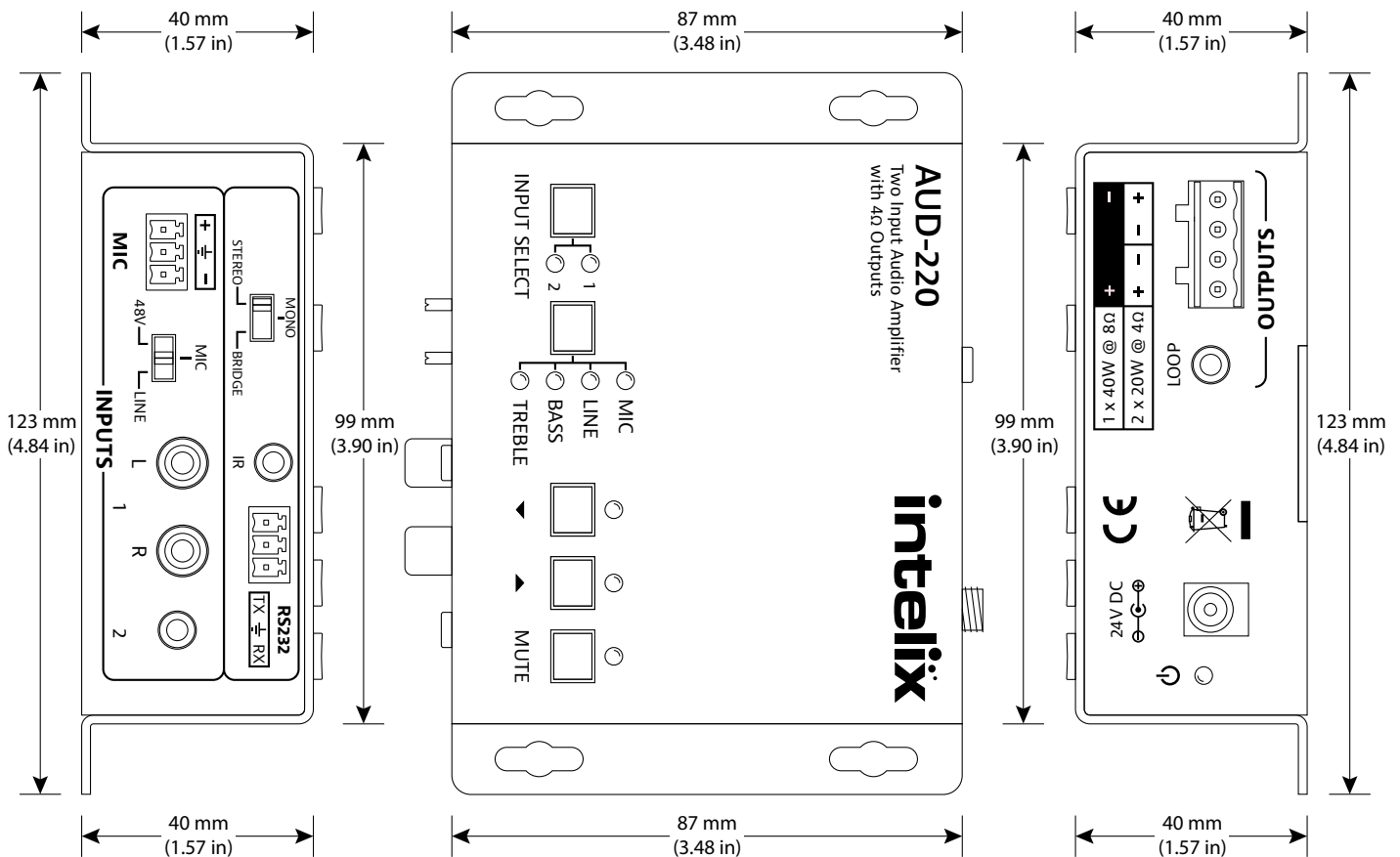# AUD-220 Technical Specifications
2 Input 20W Per Channel Speaker Amplifier
Rev 151203

The Intelix AUD-220 is a 2x20 watt Class D amplifier with 8Ω speaker output. The amplifier features two analog audio inputs and a balanced microphone input with ducking functions. Additional features of the AUD-220 include input and microphone volume control, bass and treble adjustments, microphone mixing with source audio, and three modes of microphone input support (48 dB gain, 48 dB gain with 48V phantom power, and line level). The AUD-220 has three methods of control: push button, RS232, and IR with the optional AUD-220-IR accessory kit.

I/O Connections	
Analog Inputs	Two (2) RCA Connectors; One (1) 3.5mm TRS Connector
Microphone Input	One (1) 3-Pole/3.5mm Euroblock
Control (Top Panel)	Push Button
Control (Input Panel)	RS232 via One (1) 3-Pole/3.5mm Euroblock; IR via One (1) 3.5mm TRS Connector
Microphone Signal Type Selector	One (1) 3-Position Slider Switch
Output Signal Format Selector	One (1) 3-Position Slider Switch
Analog Loop Output	One (1) 3-Pole/3.5mm Euroblock
Speaker Output	One (1) 4-Pole/3.81mm Euroblock
24V DC Power	One (1) Locking Barrel (5.5 mm OD, 2.1 mm ID)
Audio Performance	
Input Impedance	>10k Ω
Output Impedance	50 Ω Analog Output; 4/8 Ω Speaker Output
Maximum Rated Power Output	40 Watts
Frequency Response	120 Hz to 20 kHz
Common Mode Rejection Ratio (CMRR)	>70 dB at 20 Hz to 20 kHz
Signal to Noise Ratio (SNR)	80 dB (Max)
Total Harmonic Distortion + Noise (THD+N)	1% at 1 kHz; 0.3% at 20 kHz at Nominal Level
Voltage Gain	32 dB
Chassis and Environmental	
Enclosure	Painted Aluminum
Dimensions (H x W x D)	40 mm x 123 mm x 87 mm (1.57 in x 4.84 in x 3.48 in)
Shipping Weight	0.86 kg (1.90 lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
Power, ESD, and Regulatory	
Minimum Power Consumption	5 watts
Maximum Power Consumption	45 watts
Power Supply Input Voltage	100-240v AC at 50/60 Hz at 0.5 A
Power Supply Output Rating	24V DC at 2 A
ESD Protection	15kV
Device Regulatory	CE, RoHS
Power Supply Regulatory	CE, RoHS, TUV, UL, SGS
Other	
Warranty	2 years
Diagnostic Indicators	Input Select LEDs, Signal Select LEDs, Up LED, Down LED, Mute LED, Power LED
Included Accessories	Installation guide, power supply, AC adapters (AU, EU, UK, and US), RS232 cable, rubber feet
Optional Accessory	AUD-220-IR IR kit

Audio quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches.

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