

70V Mixing Audio Amplifier

APPLICATION

The 70V Mixing Audio Amplifier supports constant voltage distributed audio systems without the need for a separate transformer, making it ideal for classrooms, conference rooms, and light retail or commercial installations. This highly efficient 40 Watt Class D amplifier is compact and fanless with two stereo summed inputs, one digital audio fiber input, and one microphone input. The microphone input features phantom power support and priority muting that automatically lowers line audio to a preset volume when there is mic input. The front panel controls include input selection, volume, bass, treble, and mute while rear panel connections provide the ultimate in control capability via RS232 and IR.



Front View



Back View

SPECIFICATION

Mixing Audio Amplifier shall include two stereo audio summed inputs (RCA and 3.5mm), one digital audio fiber input, and balanced microphone input with 48V phantom power support and automatic priority muting. It shall support 40W mono output at constant 70V or 100V. The amplifier shall be controllable via front panel controls with LED indicators and through infrared and RS232 interfaces with 16 ID code selections. The amplifier shall be fanless and shall include 24V power supply with locking connector and mounting brackets.

FEATURES

- 40 Watt mono output 70V or 100V constant voltage
- Three switchable inputs: two stereo audio summed (RCA and 3.5mm) and one digital audio fiber
- Selectable mic input with mixer function and independent control
- Mic input supports 48V phantom power
- Volume, bass, treble, and mute control
- Auto priority muting on mic input (ducking)
- RS232 and IR control capability
- 20Hz – 20KHz frequency response
- LED indicators for power and control function feedback
- Rugged metal case
- Locking power supply input connector
- Supplied with 24V power supply, RS232 cable and mounting brackets
- Tested to UL 2043 as suitable for use in air-handling spaces per NEC 300-22(b)(c)

DESIGN CONSIDERATIONS

- Use Audio Amplifier Remote Control and Target Kit (41920-AIR) to control the RCA and 3.5mm inputs
- RS232 command set for setup and control via a room or central control system
- Use ID codes to address multiple amplifiers in up to 16 controllable zones

STANDARDS COMPLIANCE

- CE, FCC
- UL 2043 compliant for plenum spaces

PHYSICAL SPECIFICATIONS

Dimensions:	See page two
Materials:	Metal enclosure
Power supply:	Input: 100-240VAC 50/60Hz Output: 24VDC 2.71A
Temperature:	0°C to 50°C (32°F to 122°F)

COUNTRY OF ORIGIN

China

WARRANTY INFORMATION

For a copy of Leviton product warranties, visit www.leviton.com/warranty.

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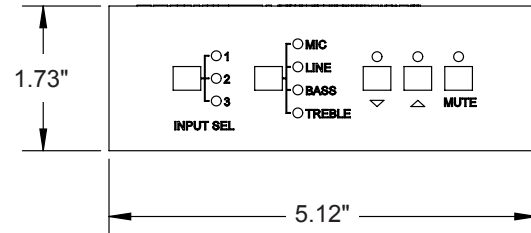
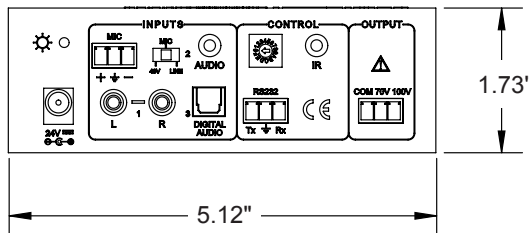
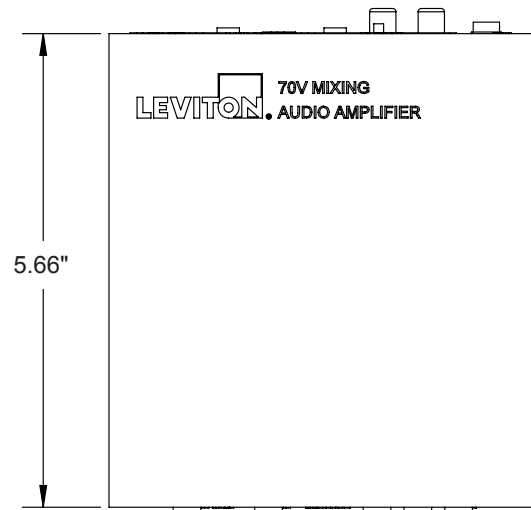
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ELECTRONIC FILES

For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

41920-A70

AUDIO CONNECTIONS	
Input	2 stereo audio (summed) 1 digital audio fiber (PCM format) 1 mic
Input Connector	2 RCA 1 3.5mm jack 1 digital audio optical 1 captive screw (3P) mic
Input Impedance	> 10kΩ
Output	1 mono 70V or 100V constant voltage
Output Connector	1 captive screw (3P)
CONTROL CONNECTIONS	
Input Connector	1 RS232 (3P) 1 IR 3.5mm



PART NUMBERS	
Description	Part No.
70 Mixing Audio Amplifier, includes power adapter (24VDC)	41920-A70

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