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.

SPECIFICATION
Mixing Audio Amplifier shall include two stereo audio summed inputs (RCA and 3.5mm), one digital audio fiber input, and one microphone input. The microphone input supports 48V phantom power. The amplifier is fanless and includes 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.

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.

SPECIFICATION
Mixing Audio Amplifier shall include two stereo audio summed inputs (RCA and 3.5mm), one digital audio fiber input, and one microphone input. The microphone input supports 48V phantom power. The amplifier is fanless and includes 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.
ELECTRONIC FILES
For CAD files, typical specs, or technical drawings (.DXF, .DWG), visit www.leviton.com.

PART NUMBERS
<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 Mixing Audio Amplifier, includes power adapter (24VDC)</td>
<td>41920-A70</td>
</tr>
</tbody>
</table>

AUDIO CONNECTIONS

<table>
<thead>
<tr>
<th><strong>Input</strong></th>
<th><strong>Input Connector</strong></th>
<th><strong>Input Impedance</strong></th>
<th><strong>Output</strong></th>
<th><strong>Output Connector</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>2 stereo audio (summed)</td>
<td>2 RCA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 digital audio fiber (PCM format)</td>
<td>1 3.5mm jack</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mic</td>
<td>1 digital audio optical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; 10kΩ</td>
<td>1 captive screw (3P) mic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mono 70V or 100V constant voltage</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CONTROL CONNECTIONS

<table>
<thead>
<tr>
<th><strong>Input Connector</strong></th>
<th><strong>Input Connector</strong></th>
<th><strong>Input Impedance</strong></th>
<th><strong>Output</strong></th>
<th><strong>Output Connector</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 RS232 (3P)</td>
<td>1 IR 3.5mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Leviton Network Solutions
2222 - 222nd St. SE
Bothell, WA 98021-4416
tel 1-800-824-3005
tel +1-425-486-2222
appeng@leviton.com
www.leviton.com

Copyright © 2016 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.
Revised December 2016