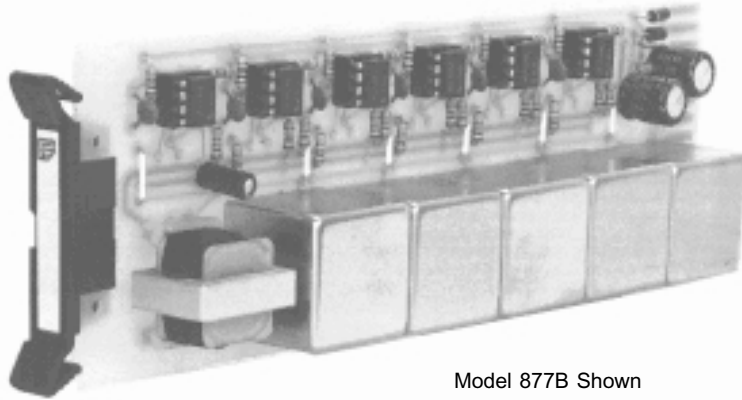


# AUDIO MIXERS MICROPHONE OR LINE LEVEL INPUTS

- 2 to 5 Microphone or Line Inputs
- Transformer Isolated In & Out.
- Individual Input & Output Adjustments
- Link Capability For More Inputs.

INTEGRA III SYSTEM



Model 877B Shown

[www.protechaudio.com](http://www.protechaudio.com)

The INTEGRA III SYSTEM Audio Mixer modules are designed for professional audio applications. These units are intended for high reliability, 24/7 installations. There are eight audio mixer modules. Choices to be made are microphone input level (4 models), or line level input (4 models), and number of inputs (2 to 5 per module). The gain adjusting trimpots are mounted on the backplane assembly. Trimpots mounted on the backplane allow the gain adjustments to remain set, even when a spare unit is put into service.

Models with 2 to 4 inputs may be linked. The link feature allows the units to be connected together to provide additional inputs to one output section.

By offering different models, the system designer can choose a unit that will fit the application perfectly. This will result in a more cost effective design. Also, the mixer modules can be mixed and matched with other INTEGRA III SYSTEM cards, such as distribution amplifiers, and remote controls, within the same card frame.

The input sections on the microphone input models, are low impedance (150 ohm) balanced, transformer-isolated. An on-board, push-on jumper, per input, supplies 15 volt phantom power, for condenser microphones. The input sections on the line input models are bridging (10k ohm) balanced, transformer-isolated. The gain of each input section is adjustable via a trimpot.

The output section consists of an operational amplifier gain stage, followed by a high quality 600 ohm line transformer. The gain of the output stage is also adjustable via a trimpot.

The combination of transformer and operational amplifier on every input and output creates maximum isolation between potential ground problems. The audio transformers also protect the inputs and output from spurious DC voltages which may be generated by corresponding equipment. The modular design allows easy changes or updates.

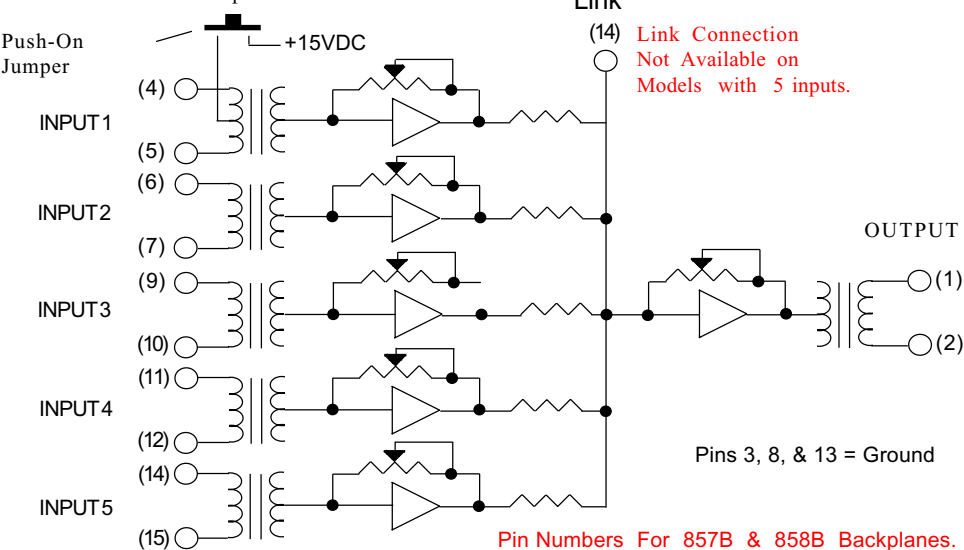
As one of the INTEGRA III SYSTEM cards, each of the mixer modules may be mounted in any of the system enclosures manufactured by Protech Audio.

For additional information or applications assistance contact:

[SALES ENGINEERING](#)

AUDIO MIXERS

# AUDIO MIXERS, MICROPHONE OR LINE LEVEL INPUTS

<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Typical Detail Of Each Mic Input Phantom Power.</p>  </div> <div style="width: 45%; text-align: center;"> <h2 style="color: blue;">Block Diagram</h2> <p style="color: red;">Link Connection Not Available on Models with 5 inputs.</p> <p style="color: red;">Pin Numbers For 857B &amp; 858B Backplanes.</p> <p>Pins 3, 8, &amp; 13 = Ground</p> </div> </div>		MODELS																	
<p style="color: red;">Trim pots on backplane-</p> <p>MICROPHONE INPUTS</p> <p>Model 870B (2 X 1)</p> <p>Model 871B (3 X 1)</p> <p>Model 872B (4 X 1)</p> <p>Model 873B (5 X 1)</p> <p>LINE INPUTS</p> <p>Model 874B (2 X 1)</p> <p>Model 875B (3 X 1)</p> <p>Model 876B (4 X 1)</p> <p>Model 877B (5 X 1)</p>																			
<h2 style="text-align: center; color: blue;">Specifications</h2> <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">Gain.....</td> <td>Line Inputs Adjustable From 0 To 20dB Mic Inputs Adjustable From 17 To 55dB Output Adjustable From Infinity To 20dB</td> </tr> <tr> <td>Maximum Input.....</td> <td>Line Input = +20dB, Mic Input = -5dB</td> </tr> <tr> <td>Maximum Output.....</td> <td>+20dBm</td> </tr> <tr> <td>Frequency Response.....</td> <td>30Hz To 20KHz, +0, -1dB</td> </tr> <tr> <td>Distortion.....</td> <td>0.1% Maximum @ +14dBm Out</td> </tr> <tr> <td>Noise.....</td> <td>Line Inputs = -85dB Below +4dBm Out, Unity Gain Mic Input = -69dB Below +4dBm Out, 50dB Gain</td> </tr> <tr> <td>Power Requirements.....</td> <td>+15-18VDC @ 70ma</td> </tr> <tr> <td>Size.....</td> <td>2.5" x 8.0" x 1.1"</td> </tr> <tr> <td>Operating Temperature.....</td> <td>0 to 70 Degrees C</td> </tr> </table> <p style="text-align: center; font-size: small;">SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.</p>		Gain.....	Line Inputs Adjustable From 0 To 20dB Mic Inputs Adjustable From 17 To 55dB Output Adjustable From Infinity To 20dB	Maximum Input.....	Line Input = +20dB, Mic Input = -5dB	Maximum Output.....	+20dBm	Frequency Response.....	30Hz To 20KHz, +0, -1dB	Distortion.....	0.1% Maximum @ +14dBm Out	Noise.....	Line Inputs = -85dB Below +4dBm Out, Unity Gain Mic Input = -69dB Below +4dBm Out, 50dB Gain	Power Requirements.....	+15-18VDC @ 70ma	Size.....	2.5" x 8.0" x 1.1"	Operating Temperature.....	0 to 70 Degrees C
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<p><b>Protech Audio Corporation</b>                  PO Box 597, 192 Cedar River Road                  Indian Lake, New York 12842                  Voice 518-648-6410 Fax 518-648-6395                  Web - <a href="http://www.protechaudio.com">www.protechaudio.com</a></p>	<p style="color: blue; font-weight: bold;">AUTHORIZED DEALER</p>																		