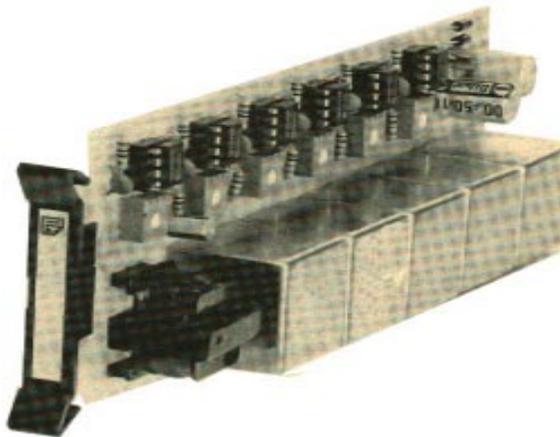


# AUDIO MIXERS LINE LEVEL INPUTS

## FEATURES

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



Model 2000-677 Shown

The INTEGRA III SYSTEM 2000-600 Series Audio Mixer modules are designed for professional audio applications. These units are intended for high reliability, 24/7 installations. There are four audio mixer modules. The only choices to be made are number of inputs (2 to 5 per module) required.

Model numbers 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.

The 2000-600 Series Mixer Modules are designed to be used with Models 2000 and 2000-C Automatic Mixing Systems.

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, within the same card frame.

The input sections 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, LINE LEVEL INPUTS

Block Diagram	MODELS
<p style="text-align: center;">Pin Numbers For 2000-CH and 2000-C-CH Backplanes.</p>	<p>LINE INPUTS -</p> <p>Model 2000-674 (2 X 1)</p> <p>Model 2000-675 (3 X 1)</p> <p>Model 2000-676 (4 X 1)</p> <p>Model 2000-677 (5 X 1)</p>
<h3 style="text-align: center;">Specifications</h3> <p>Gain..... Line Inputs Adjustable From 0 To 20dB Output Adjustable From Infinity To 20dB</p> <p>Maximum Input..... Line Input =+20dB 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</p> <p>Power Requirements..... ±15-18VDC @ 70ma Size..... 2.5" x 8.0" x 1.1" Operating Temperature..... 0 to 70 Degrees C</p> <p style="text-align: center;">SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.</p>	
<h3 style="text-align: center;">Architect's &amp; Engineer's Specifications</h3> <p>The mixer shall be constructed as a plug-in printed circuit board module. It shall be designed to allow up to 6 modules to fit in a rack mount card frame, requiring no more than 3.5 inches of vertical rack space. The mixer shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.</p> <p>Each mixer module shall contain (2 To 5) line level transformer isolated inputs. The inputs shall contain an operational amplifier gain stage, the gain of which shall be adjustable via a trimpot mounted on the PC board assembly. The adjustment of any input level shall not effect the level of any other input.</p> <p>The mixer output shall contain a separate op-amp gain stage and a 600 ohm output transformer. The gain of the output stage shall be adjustable. The output shall be capable of driving a 600 ohm load to +20dBm. The link function shall allow units to be connected together to create additional inputs to a single output.</p> <p>The mixer shall be Protech Audio Corporation Model - 2000-674, 2000-675, 2000-676, or 2000-677</p>	
<h3 style="text-align: center;">Accessories</h3> <p>CARD FRAME PACKAGE.....MODEL 858B Includes Card Frame, Backplane, and Power Supply Card. Allows mounting of up to 9 audio cards.</p> <p>CARD FRAME PACKAGE.....MODEL 857B Includes Card Frame, and Backplane Assembly. For use with external power supply Model 66708. Allows mounting of up to 10 audio modules.</p>	
<p><b>Protech Audio Corporation</b> 1 Flowerfield, Suite 24 St. James, New York 11780 Phone: 631-584-5855 FAX: 631-584-5904 Web - protechaudio.com</p>	<p style="text-align: center;">AUTHORIZED DEALER</p>