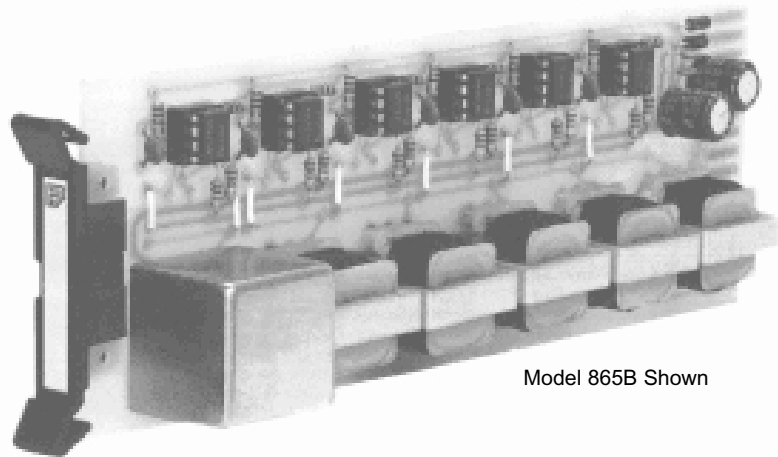


AUDIO DISTRIBUTION AMPLIFIERS MICROPHONE OR LINE LEVEL INPUT

- 2 to 5 Line Level Outputs, Mic or Line Input
- Individual Input & Output Adjustments.
- Transformer Isolated In & Out.
- Link Capability For More Outputs.



Model 865B Shown

www.protechaudio.com

DISTRIBUTION AMPLIFIERS

The INTEGRA III SYSTEM Audio Distribution Amplifier modules are designed for professional audio applications. These units are intended for high reliability, 24/7 applications.

There are eight audio distribution amplifier modules. Choices to be made are microphone level input (4 models) or line level input (4 models), and number of outputs (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

Model numbers with 2 to 4 outputs may be linked. The link feature allows the units to be connected together to provide additional outputs from one input 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 distribution amplifiers can be mixed and matched with other INTEGRA III SYSTEM cards, such as mixers and remote controls, within the same card frame.

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

Each output section is identical. It 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 input and outputs 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 distribution amplifiers may be mounted in any of the system enclosures manufactured by PROTECH AUDIO.

For additional information or applications assistance contact:

SALES ENGINEERING

PROTECH[®]

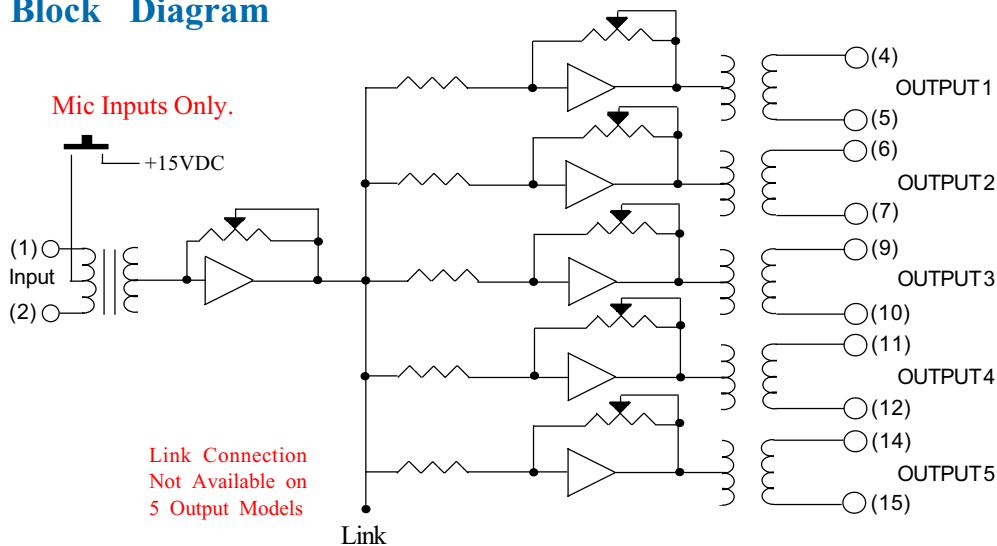
Engineering Data

1/03

AUDIO DISTRIBUTION AMPLIFIERS

PIN NUMBERS FOR 857B & 858B BACKPLANES.

Block Diagram



MODELS

Trim pots on backplane-

MICROPHONE INPUT

Model 866B (1 X 2)

Model 867B (1 X 3)

Model 868B (1 X 4)

Model 869B (1 X 5)

LINE INPUT

Model 862B (1 X 2)

Model 863B (1 X 3)

Model 864B (1 X 4)

Model 865B (1 X 5)

Specifications

GAIN..... Line Input Adjustable From 0 To 20dB
 Mic Input Adjustable From 0 To 55dB
 Outputs Adjustable From Infinity To 20dB

MAXIMUM INPUT +20dB

MAXIMUM OUTPUT +20dBm

FREQUENCY RESPONSE..... 30Hz To 20KHz, +0, -1dB

DISTORTION..... 0.1% Maximum @ +14dBm Out

NOISE..... -85dB Below +4dBm Out

POWER REQUIREMENTS..... ±15-18VDC @ 70ma

SIZE..... 2.5" x 8.0" x 1.1"

OPERATING TEMPERATURE..... 0 to 70 Degrees C

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Architect's & Engineer's Specifications

The distribution amplifier shall be constructed as a plug-in printed circuit board module. It shall be designed to allow up to 10 modules to fit in a rack mount card frame, requiring no more than 3.5 inches of vertical rack space. The distribution amplifier shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

Each distribution amplifier card shall contain one (line level or mic level) transformer isolated input. The input shall contain an operational amplifier gain stage, the gain of which shall be adjustable via a trimpot mounted on the corresponding backplane.

The distribution amplifier shall contain (2 to 5) outputs. Each output shall contain a separate op-amp gain stage and a 600 ohm output transformer. The gain of each output stage shall be individually adjustable. Each output shall be capable of driving a 600 ohm load to +20dBm. The adjustment of any output level shall not effect the output level of any other output.

The link function shall allow units to be connected together to create additional outputs from a single input.

The distribution amplifier shall be PROTECH AUDIO Corporation Model - 862B, 863B, 864B, 865B, 866B, 867B, 868B, 869B

Accessories

CARD FRAME PACKAGE.....MODEL 858B
 Includes Card Frame, Backplane, and Power Supply Card. Allows mounting of up to 9 audio cards.

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.

Protech Audio Corporation
 PO Box 597, 192 Cedar River Road
 Indian Lake, New York 12842
 Voice 518-648-6410 Fax 518-648-6395
 Web - www.protechaudio.com

AUTHORIZED DEALER