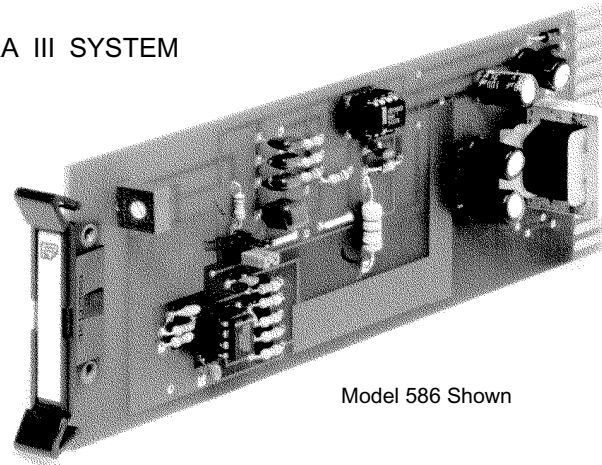


WHITE/PINK NOISE GENERATOR

- White or Pink Noise.
- Transformer Isolated Output.
- Adjustable Output Level
- Modular Construction.

INTEGRA III SYSTEM



Model 586 Shown

www.protechaudio.com

WHITE/PINK NOISE GENERATOR

The Model 586 Noise Generator card is designed to provide pink or white noise for use in masking or alignment of audio systems.

Typical applications are public address systems, sound reinforcement systems, and sound masking systems. The actual application of the noise generator card is found in such buildings as airports, factories, courthouses, casinos, convention centers, hotels, racetracks, training systems, corporate boardrooms, and office buildings.

The model 586 consists of two separate circuits. The first section is a digital noise generator. The output of the noise generator circuit is standard white noise.

The white noise is fed to a push-on jumper area of the card, and to a filter, the output of which is standard pink noise. The pink noise is also fed to the push-on jumper area. By placing the push-on jumper on the desired pins, the user may select either white or pink noise. The card is shipped from the factory strapped for pink noise. To select white noise, simply move the red push-on jumper to the other set of pins. The jumpers are located in the middle of the PC board assembly, next to the output section.

The second circuit consists of a balanced line output, with adjustable gain. The gain is adjusted via the trimpot mounted on the front of the PC board assembly. The maximum output level for the pink noise is -5dB into 600 ohms. The maximum output of the white noise is +15dB into 600 ohms. The output section of the card is transformer isolated, and should be terminated into a 600-15K ohm load.

The Model 586 may be mixed or matched with other INTEGRA III SYSTEM components, within the same card frame, without degradation in performance. For larger installations, the output of the Model 586 may be fed into the audio distribution amplifier cards, to serve more areas. As one of the INTEGRA III SYSTEM audio cards, the Model 586 may be mounted in any of the system enclosures manufactured by Protech Audio Corp.

The Model 586 Noise Generator Card may be expected to provide the user with years of dependable, uninterrupted quality service. For additional information, or design assistance, contact:

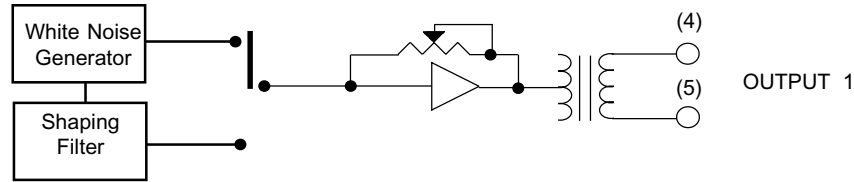
APPLICATIONS ASSISTANCE

PROTECH[®]

Engineering Data 1/02

WHITE/PINK NOISE GENERATOR

Block Diagram



PIN NUMBERS FOR 857B, & 858B BACKPLANES ONLY.

Specifications

MAXIMUM OUTPUT, PINK NOISE.....	-5 dB Into 600 ohms
MAXIMUM OUTPUT, WHITE NOISE.....	+15dB Into 600 ohms
OPERATING TEMPERATURE.....	0-70 Degrees C
POWER REQUIREMENTS.....	+15-18VDC @ 30ma
SIZE.....	8"D x 2.5" H x 1.1"W

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Architect's & Engineer's Specifications

The white/pink noise generator 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 white/pink noise generator shall be unpluggable from the front of the card frame, without the need to disconnect wires attached to the rear connector.

The noise type supplied to the output shall be selectable, either white noise or pink noise, via a push-on jumper.

The output level shall be adjustable via an on-board trimpot.

The output be balanced, transformer isolated.

The white/pink noise generator shall be:

PROTECH AUDIO CORP.

Model 586

ACCESSORIES

CARD FRAME PACKAGE.....Model 858B
Includes Card Frame, Backplane, and Plug-In 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 cards.

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AUTHORIZED DEALER