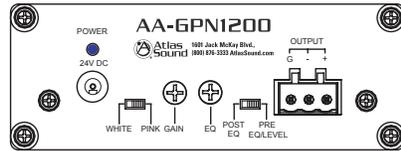




AA-GPN1200

Sound Masking Generator



General Description

The Atlas Sound AA-GPN1200 analog signal generator is the ideal solution for use in many basic Sound Masking systems. The analog topology design eliminates repeating cycles commonly found in other manufacturers' digital designs. The AA-GPN1200 supports selections between Pink or White noise signals. This generator incorporates a variable balanced output and will deliver a 1V balanced output allowing it to match input circuits from Atlas Sound equalizers and amplifiers. Also a variable Hi-Cut filter when engaged, supports most equalizing requirements for basic Sound Masking systems. The EQ filter operating range is between 1 kHz and 7-8 kHz with a slope of 6 dB per octave.

This small but effective generator can be used as a standalone unit or mounted in a rack. If multiple zones are required up to three AA-GPN1200 can be mounted onto a single 1 RU panel. The balanced output connection is via a Phoenix type (Euro block) connector. Rear-mounted controls also help prevent unauthorized tampering.

AE Specifications

The analog noise generator shall be Atlas Sound Model AA-GPN1200. It shall be capable of producing either pink or white noise with a minimum output level of .5V into 600Ω. It shall have a Hi-Cut filter adjustable from 1kHz to 7-8kHz at 6 dB per octave. The filter shall be have a bypass switch. The generator shall have an external UL rated 24VDC power supply. The Atlas AA-GPN1200 can be used as a stand alone unit or rack mounted with a 19", 1 RU panel. Panel is included. All controls shall be rear mounted to prevent unauthorized tampering. The balanced output connection are via an three position Phoenix type connector. Finish shall be black semi-gloss epoxy.

Specifications

- Filter Selection:** White, Pink Noise
- Gain Control:** Variable, PRE EQ 500mV, POST EQ 1V
- Line Output:** Balanced, Phoenix type Connector
- EQ Control:** Variable Hi Cut 1 KHz to 7-8 KHz, By pass switch
- Supply Voltage:** UL Rated External 24VDC Power Supply
- Panel Finish:** Black
- Dimensions:**
- Chassis:** 4" (100 mm)W x 1.75" (45 mm)H x 3.16" (80mm)D
- Rack Mount Panel:** 19" (485 mm) W x 1.75"(45 mm) H

Features

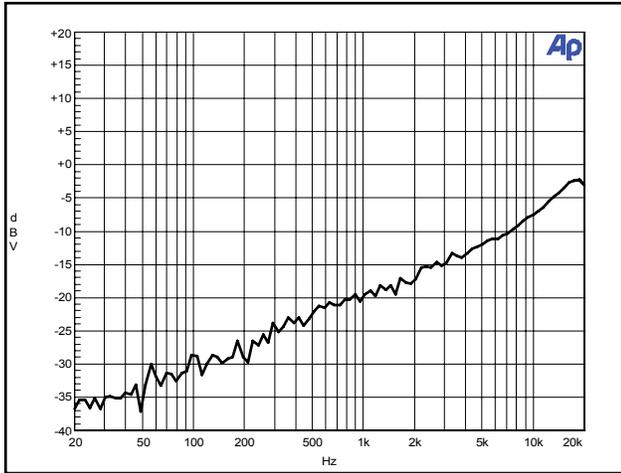
- Compact
- Analog Topology
- Balanced Output
- Selectable between Pink and White Noise
- Defeatable EQ
- Variable Hi-Cut filter
- Variable Gain
- Stand Alone or Rack Mountable
- Rear Panel Adjustments

Application

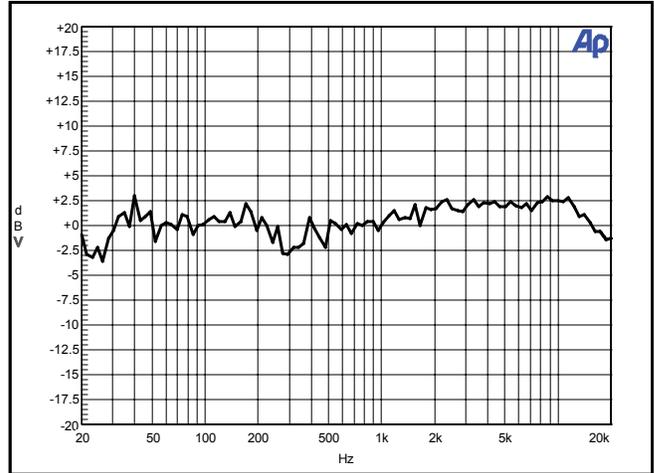
The analog noise generator Model AA-GPN1200 can be used for audio equipment testing or as the signal source in Sound Masking systems. It provides the output level necessary to match the input circuits of most commercially available equalizers and amplifiers. The unit is recommended for use in Sound Masking systems using Atlas Sound masking loudspeakers and amplifiers. Sound Masking systems are designed to help eliminate the auditory distraction associated with open office plan environments as well as providing conversation privacy in facilities such as schools, churches, restaurants, offices, etc. (Additional information on masking loudspeakers and sound masking in general is available upon request.)

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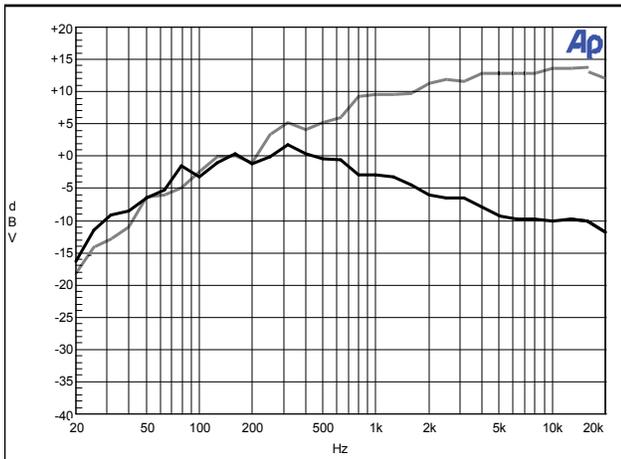
White and Pink Noise Graphs



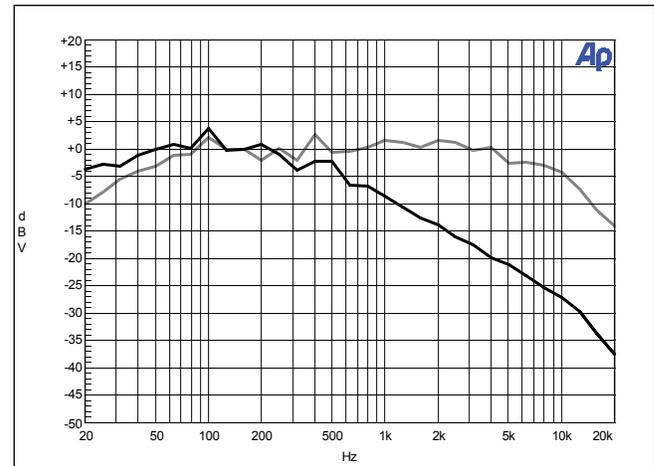
Pre EQ White Noise



Pre EQ Pink Noise



POST EQ White Noise



POST EQ Pink Noise