

Product Data

- **10 Watts RMS power rating**
- **Balanced Mic and Phone inputs on screw terminals**
- **Unbalanced Aux and Music inputs use standard RCA phono jacks**
- **Power outputs for 4 ohm, 8 ohm, 25V, or 70.7V speaker lines, all on screw terminals**
- **Automatic page-over-music mute**
- **Wall or surface mount**
- **Internal thermal circuit protection with automatic reset**
- **Tamper deterrent screwdriver control adjustments**

Specifications:

Power Output: 10 watts RMS @ 1kHz
Frequency Response: 50 Hz – 20 kHz \pm 2 dB

Distortion: <0.5% THD @ 1 kHz,
rated output

Outputs: 4 Ω , 8 Ω , 25V, and 70.7V

Output Regulation: <2 dB from no load to
full load

Tone Control +0/-20 dB @ 10 kHz

**Input Sensitivity/Impedance/
Signal-to-Noise Ratio:**

Aux: 250mV/ 250k Ω (unbal)/
70 dB

Phone: 50 mV/ 600 Ω (bal)/ 71dB

Mic: 0.5 mV/ 150 Ω (bal)/
58 dB

Music: 250mV/ 200k Ω (unbal)/
71dB

Circuit Protection: Internal thermal breaker

Power Consumption: 0.2A 120 VAC 60 Hz

Dimensions: 10.5" W x 6.75" H x
3.0" D (26.7 cm x
17.2 cm x 7.6 cm)

Shipping Weight: 8 lbs. (3.6 kg)

Description

The Model 1100 is a monaural solid state amplifier rated at 10 watts RMS output. Its four inputs consist of three paging inputs and one music input. Of the paging inputs, one is a "PHONE" input with a 500/600 ohm balanced isolation transformer to provide proper termination of the paging access output port of registered telephone equipment such as a PABX or a switch-board. Another input accommodates a balanced lo-Z mic source with an impedance of 150 ohms to 200 ohms. These two inputs appear on a strip of screw terminals. The remaining paging input is a high impedance unbalanced input on a RCA phono jack, suitable for use with audio sources such as a preamplifier, intercom system, or tone generator. Paging priority is automatically performed by a voice-activated circuit which automatically mutes the "MUSIC" input when any of these three inputs is in use. The music input is a high impedance unbalanced circuit for use with a tuner, tape deck, or other Aux-level source, appearing on a standard RCA phono jack.

A tone control is provided to help compensate for characteristics of the speaker or acoustical system. In addition, a fixed 6 dB bass boost has been incorporated in the music channel to provide loudness compensation for background music.

The power amplifier can drive 8 ohm or 4 ohm lines, or 25V or 70.7V constant voltage lines. A booster amplifier output jack is provided so that supplemental amplifiers may be operated simultaneously to deliver more power to an additional speaker system.

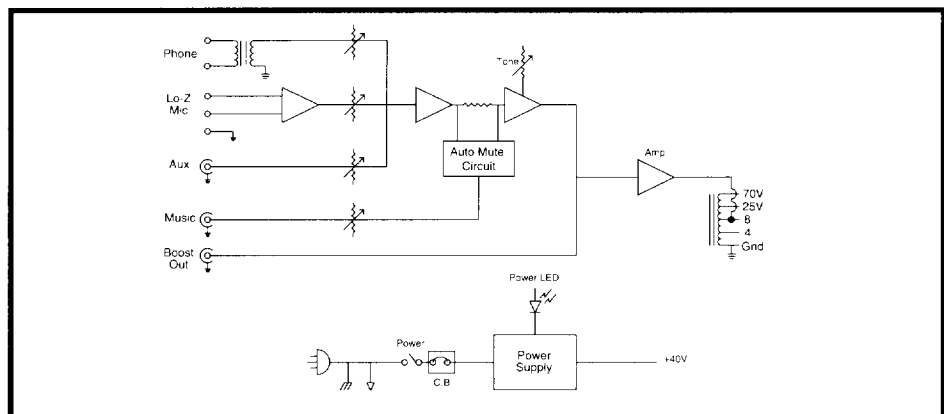
All controls and input and output terminals and jacks are located on the face of the unit. The Model 1100 is housed in a sturdy steel cabinet with two metal wall mounting flanges on either side. The unit operates from 120 Volts A.C. 60 Hz, with a power consumption of 20 watts.

Architect's and Engineer's Specifications

The paging amplifier shall have three paging inputs and one music input. The paging inputs shall have the following characteristics: one input shall have a 500/600 ohm balanced isolation transformer, another shall be a balanced lo-Z microphone input with an impedance of 150 to 200 ohms, while the remaining input shall be a high-impedance input with a sensitivity of 250 mV. The music input shall be a high-impedance input with a sensitivity of 250 mV. A voice-activated circuit will provide paging mute of the music input whenever a signal is detected on any of the three paging inputs.

There shall be a treble tone control and a fixed 6 dB bass boost. The amplifier output will be 10 watts RMS, and will be able to drive 4 ohm, 8 ohm, 25V, or 70.7V speaker systems. There shall be a boost amp output with a RCA-type connector jack. There shall be a power switch on the face of unit. The enclosure shall measure 10.5" x 6.75" x 3.0" (26.7 cm x 17.2 cm x 7.6 cm), including wall-mount flanges on either side. The unit shall operate from a 120V AC 60 Hz line, and shall be the University Sound Model 1100.

Block Diagram



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