

Product Data

- **100 watts RMS continuous rated output**
- **Single unbalanced high impedance input (convertible to balanced 600 ohm input with TT-4A plug-in transformer)**
- **4 ohm, 8 ohm, 25V, and 70.7V outputs**
- **Front panel level control**
- **LED overload indicator**
- **Rack-mountable chassis**
- **"Pwr-Amp Parallel" jack allows 1811, 1810, and 1808 units to be interconnected to increase total output power**
- **UL listed**

Specifications:

- Output:** 100 watts RMS continuous
- Input:** 280 mV @ 75k Ω unbalanced
- Frequency Response:** 50 Hz – 15 kHz, \pm 2 dB
- Hum and Noise:** -83 dB below rated output
- Output Connections:** 4 Ω , 8 Ω , 25V, 70.7V
- Dimensions:** 16.625" x 12.625" x 4.0" (42.2 cm x 32.1 cm x 10.2 cm)
- Power Consumption:** 120 VAC, 50/60 Hz 1.0 Amp
- Shipping Weight:** 27 lbs. (12.2 kg)

Description

The University Sound Model 1811-100 is a monaural 100 watt RMS solid state amplifier, designed for dependable continuous operation in background music, public address, paging and sound reinforcement systems. A single audio input matches high impedance unbalanced input sources and has a sensitivity of 0.3 Volts. With the Model TT-4A plug-in transformer, this input can be converted to a 600 ohm, 140 mV input.

A red LED overload indicator on the front panel provides a visual warning when the amplifier is operating improperly. The indicator lights when the unit is being overdriven, using a mismatched load, or when oscillation is occurring due to coupling of the input and output circuits. The TRUMPET PROTECT switch on the rear panel reduces the power delivered to trumpet-type speakers below their "low frequency cutoff." This protects the speaker diaphragms from damage and reduces the excessive loading caused by trumpet speakers attempting to operate at low frequencies.

The Model 1811-100 has an AMPLIFIER PARALLEL jack which may be used to connect two or three Model 1811-100, 1808-60 or 1810-100 amplifiers together. This allows the outputs of these amplifiers to be connected together to deliver a total output power of 200 or 300 Watts into a single speaker line.

Power output connections are made by means of screw terminals on the back of the unit. Output connections include 4 and 8 ohm for use when making direct speaker voice coil connections, as well as 25 Volt and 70.7 Volt constant-voltage outputs for use with speaker distribution systems.

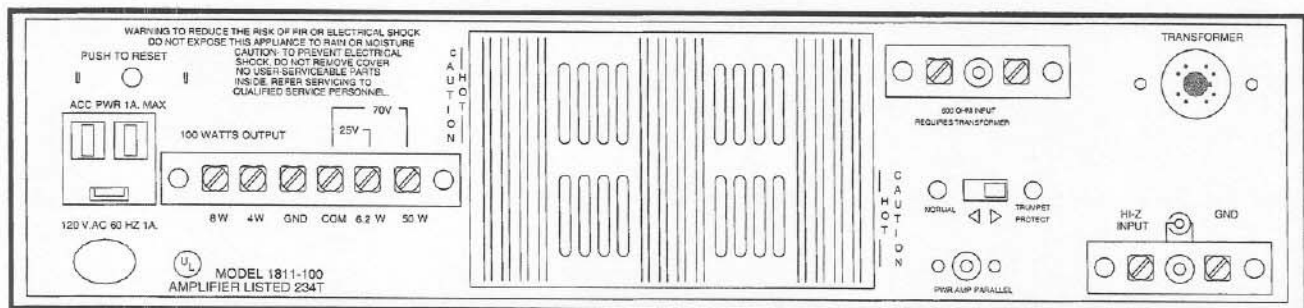
The amplifier is housed in a sturdy steel cabinet measuring 16.625" x 12.625" x 4.0" (42.2 cm x 32.1 cm x 10.2 cm), which may be rack mounted using the University Sound Model RPK-5 rack mounting kit. The unit operates from a standard 120V AC 50/60 Hz power source and is protected by a Push-to-Reset circuit breaker.

Architect's and Engineer's Specifications

The unit shall be a monaural solid state amplifier rated at 100 watts RMS continuous power. The unit shall have a single audio input configured to match a high impedance unbalanced input source, and shall have an input sensitivity of 0.3 Volts (or 600 ohm and 140 mV when used with Model TT-4A plug-in transformer). An overload indicator shall be provided on the front panel to indicate improper amplifier operation. There shall be a rear panel switch to control a circuit that shall reduce the low-frequency output of the amplifier to protect trumpet-type speakers. There shall be a rear panel RCA phono jack that may be used to connect the unit with other University Sound

amplifiers to provide a common power output. Power output connections on the unit shall be made to a rear panel strip of screw terminals. Outputs for 4 ohm, 8 ohm, 25 Volt, and 70.7 Volt lines shall be provided. The unit shall be housed in a sturdy steel enclosure measuring 16.625" x 12.625" x 4.0" (42.2 cm x 32.1 cm x 10.2 cm). The enclosure shall be rack-mountable using the RPK-5 rack mounting kit. The unit shall operate from a standard 120V AC 50/60 Hz power source, and shall be protected by a push-to-reset circuit breaker. The University Sound Model 1811-100 has been specified.

Rear Panel View



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