



# Perreaux

Model: 2100EXR

Date of Manufacture: 1977

Product Type: Stereo Power Amplifier

Power Output (*per channel into 8Ω*): 160W<sub>rms</sub>

## Specifications:

### **Intermodulation distortion** (*S.M.P.T.E. method 60Hz and 7kHz mixed 4:1*)

0.25 watts to 12 watts into 8Ω .....	< 0.008%
12.5 watts to 125 watts into 8Ω .....	< 0.06%
Rated power output .....	Typically 0.004%

### **Total harmonic distortion**

1.25 watts RMS 8Ω from 20Hz to 10kHz.....	< 0.008%
125 watts RMS 8Ω from 20Hz to 2kHz.....	< 0.015%
125 watts RMS 8Ω from 2kHz to 10kHz.....	< 0.03%
125 watts RMS 8Ω from 10kHz to 20kHz.....	< 0.06%
Rated power output at 1kHz into 8Ω .....	Typically 0.005%

### **Frequency response**

Rated output .....	+0-0.25dB 20Hz-20kHz
2.5 watts RMS .....	+0-0.5dB 10Hz-40kHz
.....	0-1.0dB 10Hz-60kHz
.....	0-2.5dB 10Hz-100kHz

### **RMS output per channel 1kHz**

Onset of clipping both channels driven.....	150 watts RMS into 8Ω
.....	220 watts RMS into 4Ω

### **Load impedance**

Rated for 8Ω usage but will safely drive load, from 2Ω up, including reactive loads such as full range electrostatic speakers

**Transient response** ..... 2.5μs

**Hum and noise** ..... 100dB below rated output 20Hz-20kHz

**Slewing rate** ..... 30V/μs

### **Damping factor**

8Ω from 10Hz to 1kHz .....	> 300
8Ω at 40Hz .....	Typically 500

**Phase response** ..... +1° at 20Hz - 13° at 20kHz at 1 watt into 8Ω

**DC offset at output** ..... < 10mV

**Input impedance** ..... 10kΩ

**Input sensitivity** ..... 0.9V RMS for rated output

Schematic diagram

Product manual