

## Digital Power Amplifier 12-Channel

USA Product with Reputation known since 1967, has pioneer in the multi room audio industry, that is why it is recognized as a preferred amplifier for audio distribution system world wide.



The R1250MC is a 12-channel power amplifier ideal for use as the main amplifier in home theater and distributed audio systems. The 12 channels are arranged in pairs to provide amplification for six stereo zones. The R1250MC provides an array of useful features such as bridged mono operation, independent zone triggering, bus inputs and multiple speaker outputs per zone to meet a wide variety of applications and configurations.

The R1250MC is rated at 50 watts per channel into 8 ohms and 80 watts per channel into 4 ohms. With a zone's mode switch set in the Bridge Mono position, both channels in the zone are combined for a mono output of 140 watts into an 8-ohm load. All this power is supplied by three high-output toroidal transformers. Each amplifier output channel incorporates robust protection circuitry for safety and reliability under extreme circumstances.

- Applications:**
- Audio Distribution for Luxury Homes
  - Audio Distribution at Luxury Offices
  - Hotel Banquet Halls Audio System Distribution & Control
  - Smart School Media Sharing and Distribution

**Model:** SH-517

**Part #:** Russound R1250 Amplifier

### Features

- Wide application use ideal for home theater and 6-zone distributed audio systems
- Bridgeable zones to create flexible power configurations
- Reliable and robust circuitry designed for stability under demanding loads
- Flexible installation with either attached feet or included rack-mount ears
- Space-saving design 3U enclosure saves rack or cabinet space

### Specifications

Single Zone Maximum Output Power: (0.1% THD+N; f=1 kHz)  
 50W per channel, 2 channels at 8 ohms  
 80W per channel, 2 channels at 4 ohms  
 140W at 8 ohms, 2 channels bridged  
 All Zones Continuous Output Power:.....  
 35W per channel, 12 channels at 8 ohms  
 50W per channel, 12 channels at 4 ohms  
 100W at 8 ohms, each zone bridged  
 Distortion: .....  
 <0.05% THD+N from 20Hz to 20kHz  
 Signal-to-Noise Ratio: >100dB  
 Frequency Response:.....  
 20Hz to 20kHz +/- 0.3dB  
 Input Sensitivity:.....  
 70mV for 1W at 8 ohms  
 500mV for 50W at 8 ohms  
 Line Input Impedance: 47 kilohms  
 Voltage Gain: 32dB  
 Delay Time: 0.5 to 4.5 minutes  
 Input Trigger: 12VDC 10 kilohms  
 Output Trigger: 12VDC 100 mA  
 Power Requirements: .....  
 120VAC 60Hz 7A  
 Fuse Rating: T15AL 250V

### Dimensions

Size: 17" W x 16.5"D x 5.875"H  
 43W x 42Dx 15H (cm)  
 Weight: 48.9 lbs. (22.2 kg)