

# Multi-Zone Amplifier

## Z-12

**Parasound's Z-12 Zonemaster Amplifier** is undoubtedly the best sounding, most flexible multi-zone amplifier ever. With un-compromised sound quality the Zonemaster will effortlessly power up to twelve speakers using either a stereo or mono signal, or twelve independent signals. For ease of use and installation, the Z-12 is bridgeable to six channel pairs, can be turned on via a DC trigger or audio signal, and can adjust the volume of each channel individually. At last – a whole house distribution amplifier worthy of the Parasound name.



### Features

- 12 channel amplifier bridgeable to 6 channel pairs
- Modular Construction
- Left and right input buses, looping output connectors
- Individual channel inputs
- Direct Coupled - no capacitors or inductors in signal path
- DC Servo and relay protection circuits
- Impedance protection switches
- 120,000  $\mu$ F power supply filter capacitance
- Massive 1.2 kVA toroid power transformer with independent secondary windings for each channel pair
- 24 Discrete high speed output transistors
- Automatic on/off by DC trigger or audio signal
- Remote enable for each channel pair
- Rear mounted gain controls and ground lift switch
- Heavy duty 24kt 5-way speaker binding posts
- Gold-plated RCA input jacks
- AC present, standby/normal, channel status indicators
- 4u rackmountable chassis with rear carry handles
- Parasound's 10 years parts, 5 years labor warranty

### Specifications

- Continuous power output - each channel:
  - 50 watts RMS x 12, 20 Hz - 20 kHz, 8 $\Omega$ , all channels driven
  - 50 watts RMS x 12, 20 Hz - 20 kHz, 4 $\Omega$ , all channels driven
  - 100 watts RMS x 6, 20 Hz - 20 kHz, 8 $\Omega$
- Current capacity: 10 amperes peak per channel
- Power bandwidth: 5 Hz - 100 kHz, +0/-3 dB at 1 watt
- Total harmonic distortion: < 0.2 % at full power
- IM distortion: < 0.03 %
- Slew rate: > 90 V/ $\mu$ second
- Dynamic headroom: > 1.5 dB
- Interchannel crosstalk: > 50 dB at 1 kHz; > 40 dB at 20 kHz
- Input sensitivity: 1.2V for full output
- Input impedance: 47 k $\Omega$
- S/N ratio: > 86 dB, input shorted, IHF A-weighted
- Damping factor: > 800 at 20 Hz
- Dimensions: 19" w x 7-5/8" h x 17-1/4" d, 7" h without feet
- Net weight: 65 lbs.



PARASOUND

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