

# TRIAD 1-ZONE HIGH-POWER AMPLIFIER



## TRIAD 1-ZONE HIGH-POWER AMPLIFIER

The Triad 1-Zone High-Power Amplifier delivers high performance, reliability, and robust amplification in a compact form factor—providing the perfect solution for distributed audio systems. Fast wake-from-standby time and high-resolution audio quality output make this amplifier worthy of any audio solution.

Use Triad Power Amplifiers with Triad speakers, Triad Audio Matrix Switches, and Denver EA Series Entertainment and Automation Controllers to deliver a fantastic high-resolution audio experience throughout the home.

Featuring 200W per channel in stereo mode or 300W when driving one channel, the Triad 1-Zone High-Power Amplifier is an excellent choice to drive Triad passive subwoofers, Designer Series, and other speakers with high-power demands.

The loop output and power controls offer flexibility and the convenient connectivity needed to power multiple sets of outdoor speakers to cover large outdoor areas.

## FEATURES

- Powerful, Class D amplification driven by ICEpower modules delivers a dynamic, high-resolution audio experience
- 2.5 ohm-stable amplification provides flexibility to power low-resistance speakers
- With a half-rack space form factor, two amplifiers can be mounted side by side in a 1U rack space (rack ears included)
- Fast, 2-second wake-from-standby using 12V trigger from Triad Audio Matrix Switches—ideal for time-sensitive audio announcements and quick zone turn on
- Standby mode saves energy by muting audio when not in use
- Three power control options—12V trigger, audio sensing, or always on
- Loop output allows you to chain amplifiers together to create large audio zones
- Overcurrent protection prevents amplifier channels from overloading due to short circuits or incorrect wiring
- Thermal protection shuts down amplifier channels if thermal limits are exceeded, preventing damage

# Specifications

<b>GENERAL</b>	
Audio inputs	1 stereo, RCA style
Global audio output	1 stereo, RCA style
Zone speaker outputs	1 stereo output
Mono/Stereo mode	1 × 2-position switch
12V trigger control	1 × 3.5 mm (in) 1 × 3.5 mm (out)
Power mode switch	1 × 3-position switch—always on, 12V, or audio sense
Wake-from-standby	<2 seconds with 12V trigger -3 seconds with audio sense
Standby power consumption	Less than 0.50W
<b>RATED WATTAGE</b>	
2 channels driven	200W per channel @ 4 Ω 100W per channel @ 8 Ω
1 channel driven	300W @ 4 Ω ( <b>Note:</b> Do not bridge) 150W @ 8 Ω
Minimum impedance	Stable to 2.5 Ω
<b>AUDIO</b>	
Frequency response	±0.4 dB, 10 Hz - 20 kHz, all loads
Dynamic range	110 dBA
Idle noise	100uV, A-weighted, 20 Hz - 20 kHz
Upper bandwidth, -3 dB	> 50 kHz, 4 or 8 Ω
Input impedance	47 kΩ, f=1 kHz
THD	0.008%, 4 Ω, f=100 Hz, Po=1W
<b>POWER</b>	
AC mains power	Universal mains 100 - 240VAC 50 - 60 Hz
Fuse rating	4A
Power connection	IEC 320 C13 connector with 3-pole detachable cord

<b>THERMAL</b>	
Operating temperature	32 °F - 113 °F (0 °C - 45 °C)
Humidity	5% to 95% non-condensing
Storage	-4 °F - 158 °F (-20 °C - 70 °C)
Thermal dissipation	Passive cooling, side vented
Thermal dissipation (heat losses)	0.23W / 0.8 BTU/hr, standby 11W / 38 BTU/hr, idle all channels 180W / 615 BTU/hr, max continuous power 550W / 1876 BTU/hr, max peak power

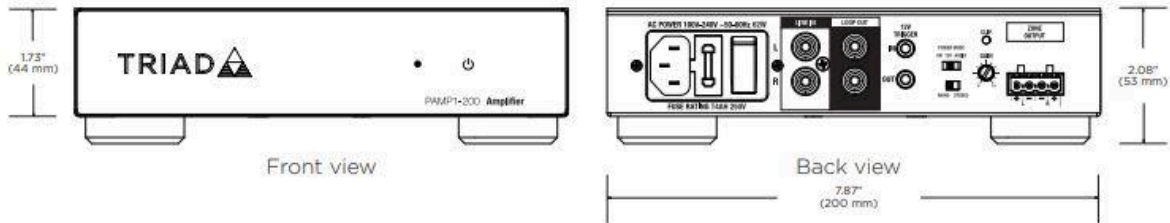
<b>MISCELLANEOUS</b>	
Mains switch w/ changeable fuse	Yes
Speaker output	1 × 4-position Phoenix-style connector
Input gain potentiometer	1
Clip indicator LED	1
H × W × D (with feet)	2.08 × 7.87 × 10.12" (53 × 200 × 257 mm)
H × W × D (without feet)	1.73 × 7.87 × 10.12" (44 × 200 × 257 mm)
Front panel power LED	1 × blue LED
Front panel zone status LED	1 × RGB LED

**PRODUCT NUMBER**  
Triad 1-Zone High-Power Amplifier  
TS-PAMP1-200

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## DIMENSIONS



Two amplifiers rack mounted - 1U  
(rack ears included for 1 or 2 amps)



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