

# POWER AMPLIFIER

TS-PAMP8-125-V2 & TS-PAMP4-125-V2



## TS-PAMP8-125-V2, TS-PAMP4-125-V2

The Triad Power Amplifiers have been completely redesigned to bring crystal clear, robust sound to your customer's home, while providing maximum reliability for years to come. Boasting 25% more power than the previous generation, the 125W per channel output will deliver even more dynamic, distortion-free sound throughout the home, while bridgeable outputs provide twice the power for outdoor zones or larger installs.

- All new audiophile grade IcePower amplifier modules provide 125W per channel of dynamic, crystal clear audio in a compact 1RU form factor
- New and improved power supply with Power Factor Control (PFC) Technology ensures plenty of wattage on tap for power hungry subwoofers or high output speakers
- Bridgeable outputs provide double the power for areas that require more power
- Fast wake-from-standby using 12V trigger for time-sensitive audio announcements and quick audio-zone startup
- Three power mode control options — 12V trigger, audio sensing, or always on
- Each zone can be independently linked to the global audio input to share one input across multiple zones
- Share an audio source across multiple power amplifiers with the global audio output
- Over-current and thermal protections prevent damage due to short circuits, incorrect wiring, or heat
- Rack mount ears included

# SPECIFICATIONS

<b><u>GENERAL</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
Triad Power Amplifier	TS-PAMP8-125-V2	TS-PAMP4-125-V2
Audio inputs	8 stereo, RCA style	4 stereo, RCA style
Global audio input	1 stereo analog (shared with zone 1 input)	1 stereo analog (shared with zone 1 input)
Global audio output	1 stereo analog (from shared zone 1 input)	1 stereo analog (shared with zone 1 input)
Zone speaker outputs	8 stereo outputs	4 stereo outputs
Global input	8 x 2-position dip switches	4 x 2-position dip switches
Bridge mode	8 x 2-position dip switches	4 x 2-position dip switches
12V trigger control	1 x 3.5 mm (in) 1 x 3.5 mm (out)	1 x 3.5 mm (in) 1 x 3.5 (out)
Power mode switch	1 x 3-position switch—always on, 12V, or audio sense	1 x 3-position switch—always on, 12V, or audio sense
Wake from standby	<2 seconds with 12V trigger -3 seconds with audio sense	<2 seconds with 12V trigger -3 seconds with audio sense
Standby power consumption	Less than 0.50W	Less than 0.50W
<b><u>RATED WATTAGE</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
2 channels driven	125W per channel @ 4 $\Omega$ 65W per channel @ 8 $\Omega$	125W per channel @ 4 $\Omega$ 65W per channel @ 8 $\Omega$
Minimum impedance	2.5 $\Omega$	2.5 $\Omega$
<b><u>AUDIO</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
Frequency response	$\pm 0.4$ dB, 10 Hz - 20 kHz, all loads	$\pm 0.4$ dB, 10 Hz - 20 kHz, all loads
Dynamic range	110 dBA, SE, 115 dBA BTL	110 dBA, SE, 115 dBA BTL
Idle noise	45 $\mu$ V, A-weighted, 20 Hz - 20 kHz, SE	45 $\mu$ V, A-weighted, 20 Hz - 20 kHz, SE
Upper bandwidth, -3 dB	100 kHz, 4 $\Omega$ , SE	100 kHz, 4 $\Omega$ , SE
Input impedance	47 k $\Omega$ f=1 kHz	47 k $\Omega$ f=1 kHz
Output serial impedance	42 k $\Omega$ f $\leq$ 1 kHz, SE	42 k $\Omega$ f $\leq$ 1 kHz, SE
THD	0.003%, 4 $\Omega$ , SE, f=100 Hz, Po=1W	0.003%, 4 $\Omega$ , SE, f=100 Hz, Po=1W
<b><u>POWER</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
AC mains power	Universal mains 100 - 240VAC 50 - 60 Hz	Universal mains 100 - 240VAC 50 - 60 Hz
Fuse rating	6.3A	6.3A
Power connection	IEC 320 C13 power connector with 3-pole detachable power cord	IEC 320 C13 power connector with 3-pole detachable power cord

# SPECIFICATIONS CONT.

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<b><u>THERMAL</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
Operating temperature	32°F – 113°F (0°C – 45°C)	32°F – 113°F (0°C – 45°C)
Humidity	5% to 95% non-condensing	5% to 95% non-condensing
Storage	-4°F – 158°F (-20°C – 70°C)	-4°F – 158°F (-20°C – 70°C)
Thermal dissipation	Three fans mounted in the left side	Three fans mounted in the left side
Thermal dissipation (heat losses)	0.23W / 0.8 BTU/hr (standby) 40W / 136.5 BTU/hr (idle, all channels) 100W / 341 BTU/hr (max output, all ch. driven)	0.23W / 0.8 BTU/hr (standby) 40W / 136.5 BTU/hr (idle, all channels) 100W / 341 BTU/hr (max output, all ch. driven)

  

<b><u>MISCELLANEOUS</u></b>	<b><u>8-ZONE</u></b>	<b><u>4-ZONE</u></b>
Mains switch w/ changeable fuse	Yes	Yes
Speaker outputs	8 x 4-position Phoenix-style connectors	4 x 4-position Phoenix-style connectors
Input gain potentiometer	1 for each zone	1 for each zone
Clip indicator LEDs	1 for each zone (back panel)	1 for each zone (back panel)
H x W x D (with feet)	2.13 x 17.5 x 11.44" (5.3 x 44 x 29 cm)	2.13 x 17.5 x 11.44" (5.3 x 44 x 29 cm)
H x W x D (without feet)	1.75 x 17.5 x 11.44" (4.4 x 44.5 x 29 cm)	1.75 x 17.5 x 11.44" (4.4 x 44.5 x 29 cm)
Front panel power LED	1 x blue LED	1 x blue LED
Front panel zone status LED	1 RGB LED for each zone	1 RGB LED for each zone

## REGULATORY/SAFETY INFORMATION

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To review regulatory information for your particular Triad products, see the information located on the Triad website at <https://www.control4.com/docs/regulatory>.

## Triad Limited Warranty Term

This Limited Warranty runs for a period of ten (10) years for indoor speakers, three (3) years for Triad powered subwoofers, subwoofer amplifiers and outdoor speakers, five (5) years for all Triad PAMP V2 Amplifiers and two (2) years for all other Triad electronics, provided that Triad Distributed Audio Series 1, Series 2, or Series 3 branded speakers will have a limited lifetime warranty, except for the grill, which is warranted for five (5) years. The terms of our limited warranties can be found [here](#).