



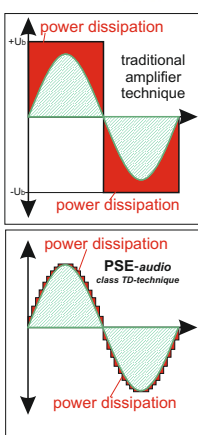
TD-series AMPLIFIER



TD-series key features

- TD-amplifier electronic circuit
- switch mode power supply
- stabile and constant PFC
- high efficiency energy saving design
- up to 90% overall efficiency AC-in to output
- internal peak limiter
- internal RMS limiter
- Ethernet network compatible
- network connector 2 x Neutrik RJ-45
- output connector 2 x Neutrik 4pin
- AC-Plug powercon
- 3 fans for best cooling performance
- speed controlled silent fans
- easy to clean filter foam (no screws, no tools)

The electronic circuit of the **PSE-audio** TD-series amplifiers are specially designed for very high output power, great dynamic, an extremely good efficiency factor, at last but not least for best audio performance. The input signal is sampled with high frequency and digitalized by a comparator. The digital signal is amplified and provides the operating voltage via an integrator for a class AB-transistor amplifier circuit. With this elaborate design the power dissipation is magnificent minimized and the audio performance is optimized!



The **PSE-audio** TD-series amplifiers provide all major protection circuits incl. peak- and RMS-limiter. The amplifiers are Ethernet network compatible. Operation mode, volume and sensitivity can be controlled by the network and the amplifier temperature and output power can be checked. The grill for the filter foam can be easily dismantled without any tools. This provides the option to clean the filter foam readily and frequently. The processing and product quality is outstanding high and match the highest international standard.

technical specification

	TD-3000	TD-4000	TD-5000	TD-6000	TD-7000	TD-8000
output power** stereo 2Ω	2 x 2400W	2 x 3100W	2 x 3800W	2 x 4800W	2 x 5500W	2 x 6100W
output power* stereo 4Ω	2 x 1500W	2 x 2000W	2 x 2500W	2 x 3000W	2 x 3500W	2 x 4000W
output power* stereo 8Ω	2 x 900W	2 x 1150W	2 x 1450W	2 x 1800W	2 x 2100W	2 x 2400W
output power*** bridged 4Ω	1 x 4000W	1 x 5100W	1 x 6300W	1 x 8000W	1 x 9000W	1 x 10000W
output power* bridged 8Ω	1 x 3950W	1 x 3300W	1 x 4100W	1 x 5000W	1 x 5600W	1 x 6200W
frequency response (±0.3dB / 8Ω)	20Hz to 20kHz					
input sensitivity	0dB to 9dB					
mode	stereo / bridged / parallel					
S/N ratio	>100dB					
THD+N	<0.1% (stereo 8Ω)					
IMD (inter modulation distortion)	<0.3% (stereo 8Ω)					
crosstalk (rated power 1kHz)	>75dB					
damping factor (1kHz, 8Ω)	>600:1					
slew rate	>30V / μs					
input impedance balanced	30kΩ					
input impedance unbalanced	15kΩ					
protection	soft start up, short circuit, DC fault, over heat, over load, limiter					
AC-Voltage	160V-260V 50Hz					
dimension	19" / 2RU depth: 440mm					
weight	14.8kg	14.8kg	14.8kg	15.2kg	15.2kg	15.2kg

* RMS 1000Hz / max. THD 1% **stereo mode, one channel driven burst signal (program peak) *** burst signal (program peak)