



TS Series are a range of 4-channel mid/high power level amplifiers designed for the installation market. Both, high and low impedance loads can be connected, through their input and output Phoenix connectors and output level controlled via potentiometers on the rear panel.

These amplifiers have multiple configuration possibilities such as bridge mode, subsonic filter, channel power limiter

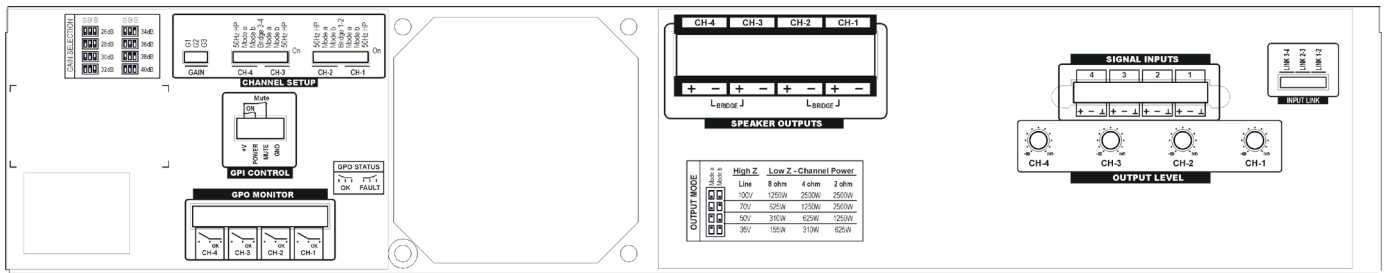
and signal link among others, in order to meet the needs of any installation. These devices also can be equipped with a GPIO connection to communicate with a third party control system.

With all these configurations TS amplifiers can meet the power requirements of any installation from 300 up to 2500W.

Technical Data

	TS-2500	TS-5000	TS-10000
Number of channels	4	4	4
Total output power	2500 W	5000 W	10000 W
Output power			
@ 2 Ohms	4 x 312 / 1 x 312 W	4 x 1250 / 1 x 1250 W	4 x 2500 / 1 x 2500 W
@ 2.67 Ohms	4 x 430 / 1 x 430 W	4 x 1250 / 1 x 1700 W	4 x 2500 / 1 x 3330 W
@ 4 Ohms	4 x 625 / 1 x 625 W	4 x 1250 / 1 x 2500 W	4 x 2500 / 1 x 2500 W
@ 8 Ohms	4 x 625 / 1 x 1250 W	4 x 1250 / 1 x 1250 W	4 x 1250 / 1 x 1300 W
@4 Ohms Bridged	2 x 625 W	2 x 5000 W	2 x 5000 W
@8 Ohms Bridged	2 x 1250 W	2 x 5000 W	2 x 5000 W
Hi-Z 100V	4 x 625 / 1 x 1250 W	4 x 1250 / 1 x 2500 W	4 x 2500 / 1 x 2500 W
Hi-Z 70V	4 x 625 / 1 x 900 W	4 x 1250 / 1 x 1800 W	4 x 2500 / 1 x 2500 W
Max output voltage	150 V peak	150 V peak	150 V peak
Max output current	18 A peak	36 A peak	50 A peak
Total Harmonic Distortion	<0.05%	<0.05%	<0.05%
Crosstalk /20KHz-1KHz), typical	>70 dB	>70 dB	>70 dB
Voltage Gain	26 dB to 44 dB	26 dB to 44 dB	26 dB to 44 dB
SNR	100V-240V AC, 50Hz-60Hz (Operating: 90V-265V AC)		
Required AC Mains			
230 V AC - 1/8 rated power (4 ohm)	2.1 A / 420 W	3.7 A / 840 W	7.3 A / 1680 W
120 V AC - 1/8 rated power (4 ohm)	3.6 A / 783 W	7.2 A / 1566 W	314.3A / 3132 W
Idle	0.7 A / 85 W	0.7 A / 85 W	0.7 A / 85 W
Thermal Dissipation			
(1/8 rated power 4ohm)	328 BTU/h	655 BTU/h	1310 BTU/h
Dimensions W x H x D (mm)	483x89x342 mm / 19x3.5x13.5 in		
Weight Net (kg - lbs)	7 - 15.4		
Protections	Soft-start, Turn-on Turn-off transients, Over-heating, DC, RF, Short-circuit, Open or mismatched loads, Overloaded power supply, ICL™, PMS™ and SSP™		

*IEC filtered pink noise signal (40Hz-5kHz, 12dB crest factor).



TS amplifier back panel

TS amplifier characteristics:

- Low weight high efficiency class D topology
- Universal power supply with PFC
- Up to 10000 W in 4 channels
- 8, 4 and 2 Ohm low impedance operation
- 100, 70, 50 and 35 V high impedance modes
- Power Control Management
- Phoenix connectors for inputs and outputs
- Up-side-down design to avoid fan dust accumulation
- Temperature controlled, front to back cooling
- Gain configuration from 26 to 40 dB
- GPIO for third party interface. AES67 and Dante options
- Subsonic filter
- Signal link mini-dips configurable
- Output level control in rear panel
- Output mode configuration for high or low impedance with power limitation

Config. parameters:

- Amp channel setup:

50Hz HP:	50Hz subsonic filter
Output Mode:	Hi impedance voltage selector. Low impedance power limitation
Bridge mode:	Low impedance bridge mode. 200V/140V high impedance mode
Gain selection:	change gain from 26dB to 40dB (2 dB steps)
- Signal setup:

Input Link:	link input signal in consecutive channels
Output Levels:	hidden potentiometers to adjust output level
- GPIO interface:

GPI Power:	turn on/off by sustained contact or sustained voltage
GPI Mute:	mute/unmute completely amplifier by contact or voltage
GPI Monitor:	monitor each individual channel, with switching contacts for fault/OK status