



ST-H500/ST-H800/ST-H1800/ST-H2400/ST-H2800

2 Channel Class-D DSP Power Amplifier



ST-H500/ST-H800



ST-H1800/ST-H2400/ST-H2800

This series professional power amplifier adopts advanced Class D power amplifier module and high-efficiency SMPS power module, built-in DSP, fully controlled by digital mode, standard configuration with a USB To PC communication port, only in the standard chassis space of 1U height and 13" depth. Can provide powerful power, this series is mainly aimed at high-demand PA applications.

Features

1. Built-in quality DSP that can accurately do routing, gain, phase, mute, parameter equalizing, delay, frequency division, compression and signal limit.
2. Built-in with PFC, universal operating voltage 90-264VAC. No worry about unstable power voltage.
3. Very light weight, easy to move and install.
4. Soft resonant switching power supply LLC module.
5. Unique peak clipping limiter and ripple Elimination.
6. Nice cooling system. Wind flows from front to rear.



7.Accurate volume control, switch on/off, signal, clip and protection LED light in front panel.

8.Multiple protections against direct current ,over heat, over load, on/off switching, RF, and amplitude limit> Nice cooling system. Wind flows from front to rear.

9.Good choice for applications that need high power output.

Specification

Model No.	ST-H500	ST-H800	ST-H1800	ST-H2400	ST-H2800
Channel number	2 channel	2 channel	2 channel	2 channel	2 channel
Output power at 8Ω	500W*2	800W*2	1800W*2	2400W*2	2800W*2
Output power at 4Ω	800W*2	1300W*2	2800W*2	3800W*2	4500W*2
Output power at 2Ω	1100W*2	1500W*2	3600W*2	5000W*2	5500W*2
Bridge output power at 8Ω	1600W	2600W	5600W	7600W	9000W
Bridge output power at 4Ω	2200W	3300W	7200W	10000W	11000W
Circuit Category	Class D	Class D	Class D	Class D	Class D
Voltage gain	40.8/38.6/32				
Total Harmonic Distortion	≤0.035% (@ 8Ω, 1kHz, 1/8 rated power)				
Intermodulation Distortion IMD	≤0.15% (@ 8Ω, 1kHz, 1/8 rated power)				
SNR	>106dB A				
Crosstalk	>40dB				
Frequency Range	10Hz to 20kHz,+/-1dB				
Input resistance	Balanced 20K/ Unbalanced 10K				
Damping coefficient	≥600				
Conversion rate	≥20v/uS				
Input sensitivity	0.775V,0dB				
Protection functions	Amplitude limit, and protections againts short circuit, over-load, overheat, direct current, radio-interference, on/off switching and muting.				
Control knobs	Power ON/OFF switch, VOLUME control in front panel, STEREO/BRIDGE/MONO Switch in rear panel.				
LED indicators	CLIP/-10dB/SIGNAL/MONO/BRIDGE/STATUS indicators in front panel				
Power delay	4 seconds				
Input interface	XLR Input socket				
Output interface	SPEAKON connector				
Dimensions	483x44x230mm		483x44x280mm		
Net weight	5.5kg	6.2kg	8kg	8.7kg	9.2kg