

DSP1500S

300W High-Performance Professional Active Powered Subwoofer



Description

The DSP1500S is an active subwoofer designed to enhance the low-frequency performance of column speakers and conventional loudspeakers, which often lack depth and impact in the bass range. By delivering powerful and full-bodied low frequencies, it significantly improves overall sound quality and listening experience.

To ensure optimal compatibility with different speakers, the DSP1500S features adjustable input gain, low-pass frequency, and phase control. These flexible adjustments allow precise matching of sensitivity, frequency response, and phase characteristics for balanced and natural sound reproduction.

With its discreet and minimalist design, the DSP1500S blends seamlessly into various environments, making it an ideal solution for venues that require both superior audio performance and refined aesthetics.

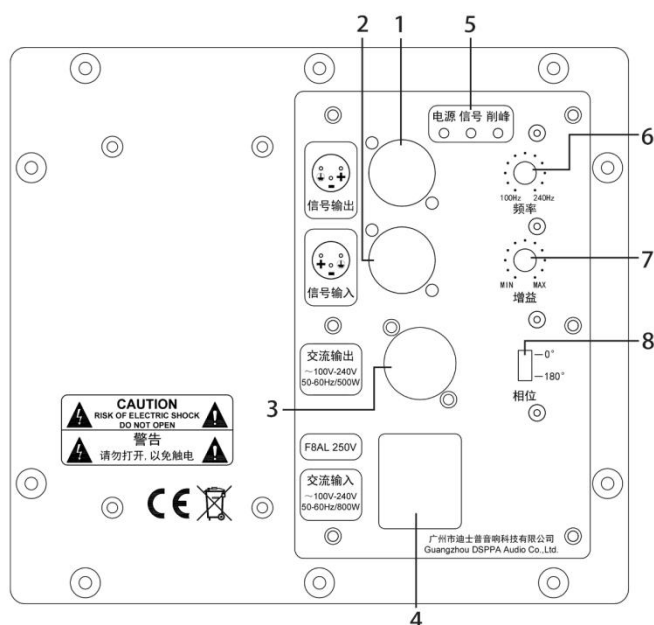
Features

- Equipped with variable input gain control ranging from 110mV to 1100mV, ensuring compatibility with a wide range of audio source devices;
- Integrated high-efficiency digital power amplifier enhances energy efficiency and minimizes power losses;
- Features an adjustable electronic low-pass filter with a variable cut-off frequency range of 100Hz to 240Hz, enabling precise bass compensation tailored to different application requirements.
- Includes selectable low-frequency signal phase inversion (0°/180°) to align with the phase characteristics of paired column speakers or loudspeakers for optimal audio performance.

Specifications

Model	DSP1500S
Line Input Volume	110-1100 mV
Speaker Power (at Peak)	≥300W
Amplifier Output Noise (Each Channel)	<3 mV
Amplifier Distortion	<0.5%
Cut-off Frequency Adjustment Range	100-240 Hz
Work Voltage	AC100-240V /50-60Hz
Package Size (L×W×H)	585×465×370 mm
Speaker Size (L×W×H)	505×350×290 mm
Gross Weight	22 kg
Net Weight	18.5 kg

Rear Panel



- 1: XLR output port: XLR balanced transmission mode, the output signal is consistent with the XLR input port signal;
- 2: XLR input port: XLR balanced transmission mode, the input sensitivity is controlled by the gain knob (between 110mVz and 1100mV);
- 3: AC power output port: the output voltage and frequency are consistent with the AC power input port, and the maximum output power is 500W;
- 4: AC power input port: adaptability to power grid: AC100V-240V/50-60Hz;
- 5: Indicator lights: from left to right are 1. Power indicator (lit when power on), 2. Signal indicator (lit when there is a signal), 3. Signal clipping indicator (lit when the signal will be peaked and distorted);
- 6: Frequency adjustment knob: Adjusts the cutoff frequency of the low-pass filter.
- 7: Gain knob: can adjust the input gain of the subwoofer, ranging from 110mV to 1100mV;
- 8: Positive and negative phase toggle switch: can adjust the audio phase of the subwoofer, adapting to the audio phase of the matched column speaker or other speakers.

