

DSP1502

Phased Array Column Speaker



Features

- Acoustically simulate the sound columns of different shapes
- Active sound column with digital signal processor and digital power amplifier built in, no need of external power amplifier
- Built-in 100v/70v transformer
- Volume, tone and other parameters of the sound column adjustable
- LED Display and remote control
- Compact size, easy installation and high electro acoustic sensitivity

Description

The phased-array sound column DSP1502 is a new type of public address system with a 70v/100v transformer built in. The 70v/100v transmission is realized in a high-voltage, low-current mode, which makes longer distance transmission and parallel connection of multiple loudspeakers possible.

By applying the electronic and digital signal processing (DSP) technologies, it can simulate the directivity from different shapes of sound columns, while the inherent performances of the sound column will not be affected, e.g. rated power, range of effective frequency response and max sound pressure level. With DSP technologies, we may operate from the remote controller to change the directivity of speaker system at some extent.

This is suitable for loud speaking in a hall where the building acoustics is poor, especially for the hardware of the loudspeaker system in sports venues (where the volume is large, the building acoustics is poor, the reverberation time is long and the sound is muddy).

Specification

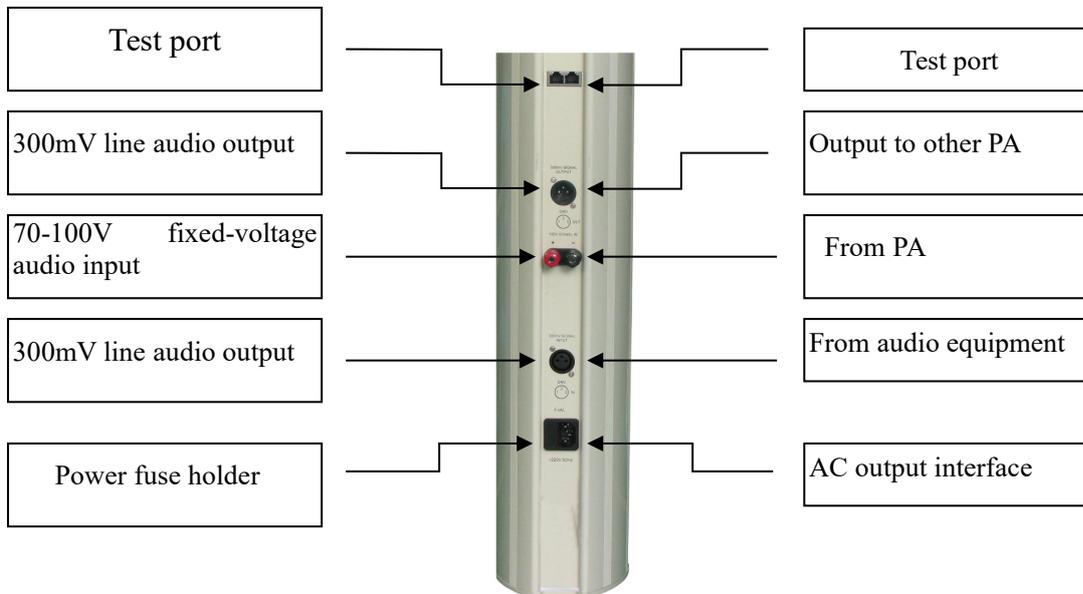
MODEL	DSP1502
Rated Power	150W
Line Voltage	300mV/70-100V
Range of directivity angle	± 45°
Dimension(L×W×H)	154.5*153*1602mm
Net Weight	22Kg
Gross Weight	26Kg

Installation



1. Select a proper position on the surface where the sound column is to be installed, and fix two screws $\varnothing 8\text{mm}$. As shown on left, mount the bracket and fix the sound column
2. Connect the wire correctly as the description of the back ports. Check if the sound column is secure and confirm that the connection is correct. Then, insert the power cable of sound column into AC electric grid.

Description of Back Ports



1. Mute key
2. Sensitivity selection key (Sensitivity)
3. Volume / Setting Key (V+, V-) for left and right movement
4. Directivity / Setting Key (AN+, AN-) for up and down movement
5. Setting Confirmation Key (EQ)
6. Focus adjustment key (FOCUS+, -)
7. Treble adjustment key (TREBLE+, -)
8. Bass adjustment key (BASS+, -)
9. On/OFF Key (Note: The ON/OFF key can only switch off the current play status, but it cannot switch off the power of sound column). To switch off the power supply, please remove the power plug on sound column)