

## DSP1502

### 150W Phased Array Column Speaker



#### Description

DSP1502 Phased Array Column Speaker adopts electronic and digital processing technology (DSP) to adjust the main beam radiation direction. Unlike the conventional one, DSP1502 phased array column speaker provides flexible adjustment of column directivity (vertical radiation angle) on a web-based operation page; The built-in digital equalizer can improve sound quality effectively. As it is defined by good sound quality, high performance, easy operation and installation, it is widely used in a variety of sound reinforcement occasions.

#### Features

- Directivity adjustment in 3 directions;
- Active column with built-in digital power amplifier;
- Compatible with 3 common line signal inputs and 1 fixed voltage amplifier power signal input (70V  $\pm$ 10V);
- Built-in volume, balanced processing adjustment;
- Wire/wireless beam directivity modulation control via a Web controller;

#### Specifications

Model	DSP1502
Max.SPL	110 $\pm$ 2dB
Line Input Sensitivity (Optional)	300mV (-10dB) / 500mV (-06dB) / 1000mV (00dB)
Constant Voltage Input Sensitivity	70V ( $\pm$ 10) (-10dB)
Max. SPL (1m)	110 $\pm$ 2dB
Number of Speaker Units	10 PCS
Speaker Unit Size	5 Inch

Amplifier Rated Output Power (8 ohm Per Channel)	≥15W
Amplifier Output Noise (Per Channel)	<1mV
Distortion (Within the frequency range, under normal operating conditions)	<0.5%
Graphic Equalizer Frequency Points	125/200/315/500/800/1.25k/1.6k/2k/2.5k/3.15k/ 4k/5k/6.3k/8k/10kHz (15 bands in total)
Equalizer Adjustment Amplitude	±10dB
Frequency Response:	80Hz-18kHz (±3dB)
Horizontal Radiation Angle	> 120 Degrees
Vertical Radiation Angle	<50 Degrees
The Main Beam Adjustable Range (Vertical)	±45 Degrees
Grid Adaptation Capacity	AC220-240V /50-60Hz
Package Dimension: (L × W ×H)	1735×310×315mm
Dimensions (L × W ×H)	1600×153×155mm
Gross Weight	26Kg
Net Weight	22Kg

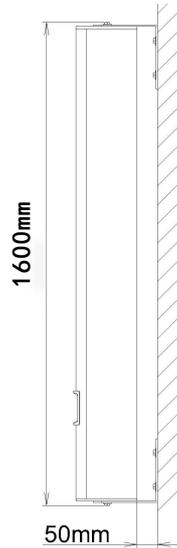
## Direction Curve

(1) 30m flat venue, with downward focus length as 6m, 15m, 26.5m and wall mount height 5.5m



Figure 1: 3 SPL distribution map for preset positioning

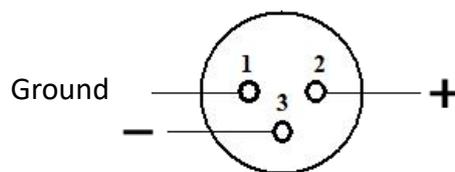
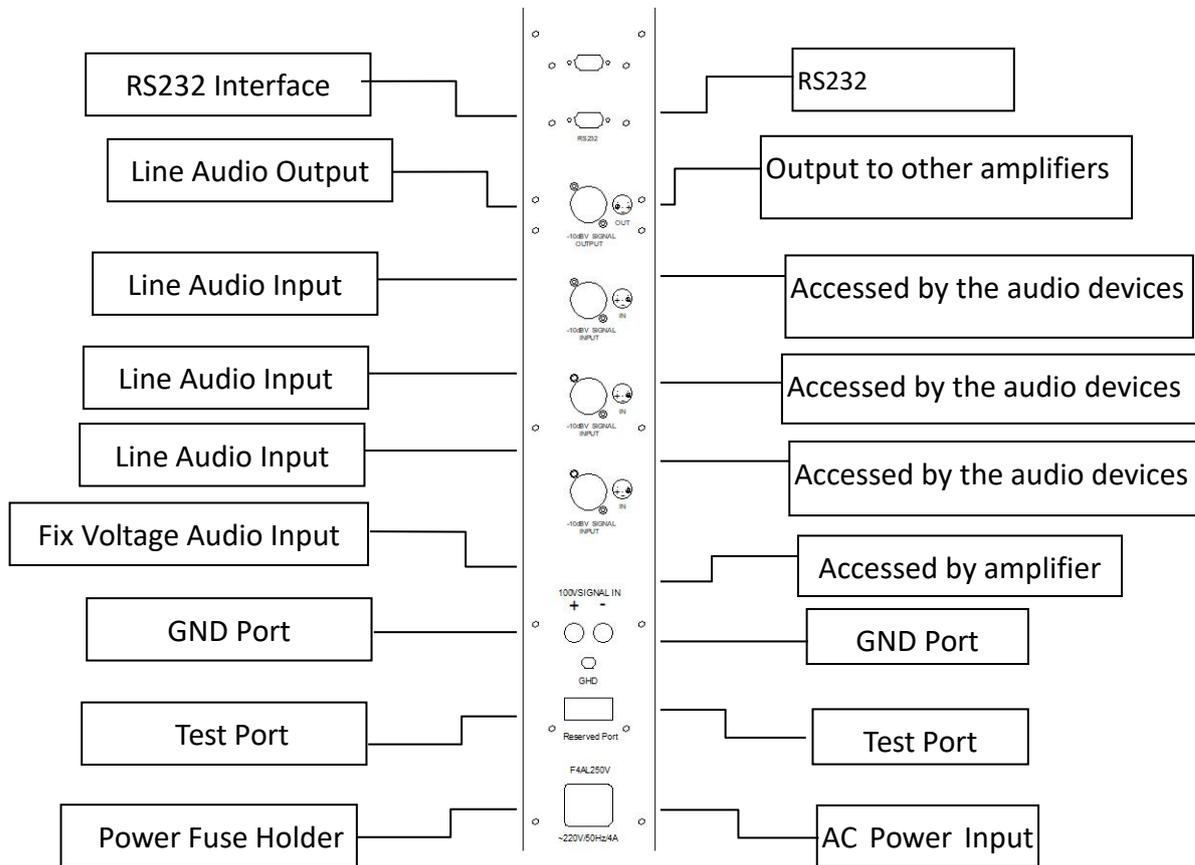
# Installation Diagram



(DSP1502)

Please refer to the actual product

## Description of the Back Connectors



XLR Connection