

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
Line Input Sensitivity	315mV (Corresponding-10dB)
Constant Voltage Input Sensitivity	70V (± 10) (Corresponding-10dB)
Max. SPL (1m)	110 \pm 2dB
Amplifier Rated Output Power	260W
Amplifier Output Noise (Per Channel)	<1mV
Distortion (Within the frequency range, under normal operating conditions)	<0.5%
Graphic Equalizer Frequency Points	125Hz/200Hz/315Hz/500Hz/800Hz/1.25kHz/1.6kHz/2kHz/2.5kHz/3.15kHz/4kHz/5kHz/6.3kHz/8kHz/10kHz (15 bands in total)
Equalizer Adjustment Amplitude	± 10 dB
Frequency Response:	80-18kHz (± 3 dB)
Horizontal Radiation Angle	>120°
Vertical Radiation Angle	<50°
The Main Beam Adjustable Range (Vertical)	$\pm 45^\circ$
Grid Adaptation Capacity	AC220-240V /50-60Hz
Package Dimension: (L \times W \times H)	1735 \times 310 \times 315mm
Dimensions (L \times W \times H)	1600 \times 153 \times 155mm
Gross Weight	26kg
Net Weight	22kg

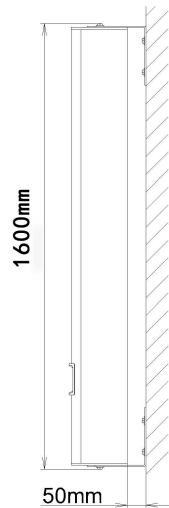
Direction Curve

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



3 SPL distribution map for preset positioning

Installation Diagram



Description of the Back Connectors

