

DSP1501

Phased Array Column Speaker



Description

DSP1501 Phased Array Column Speaker adopts electronic and digital processing technology (DSP) to adjust the main beam radiation direction. Unlike the conventional one, DSP1501 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

- Directional 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 ±10V).
- Built-in volume, balanced processing adjustment.
- Wire/wireless beam sense of direction modulation control via a Web controller.

Specifications

| Project | Model | DSP1501 | Unit |
|---|-------|--|--------|
| Line Input Sensitivity (Optional) | | 300 (-10dB) / 500 (-06dB) / 1000 (00dB) | mV |
| Constant Voltage Input Sensitivity | | 70 (±10) (-10dB) | V |
| Amplifier Rated Output Power (Per Channel) | | ≥10 | W |
| Amplifier Output Noise (Per Channel) | | <1 | mV |
| 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/10K (15 bands in total) | Hz |
| Equalizer Adjustment Amplitude | | ±10 | dB |
| Frequency Response: | | 80-18k (±3dB) | Hz |
| Horizontal Radiation Angle | | >120 | Degree |
| Vertical Radiation Angle | | <50 | Degree |
| The Main Beam Adjustable Range (Vertical) | | ±45 | Degree |
| Grid Adaptation Capacity | | AC100-270V /50-60Hz | |
| Package dimensions: (L × W ×H) | | 1505×265×280 | mm |
| Dimensions (L × W ×H) | | 1365×132.5×145.5 | mm |
| Gross weight | | 20 | Kg |
| Net Weight | | 16.5 | Kg |