

DVS 8P SP

FEATURES

- Multi-purpose, wide range self-powered system
- 2-way, 2 loudspeakers, high power, short throw, built-in 2-channel DSP-controlled amplifier
- High SPL from a small footprint (123 dB SPL peak @ 1 m in free-field)
- 8" woofer (Low/Mid), 1" compression driver, ferrofluid-cooled coil (High)
- Built-in Class D power amplifier module: 350 W on 4 Ω (Low/Mid) + 180 W on 8 Ω (High) with adjustable input gain
- 24-bit Digital Signal Processing, four selectable EQ presets
- Very low feedback risks
- Top-grade speech projection for excellent intelligibility
- Internally braced cabinet to minimize vibrations that could jeopardize acoustic response
- Rigging points for installation components and various accessories



APPLICATIONS

- Medium-power live applications. Near-field stage monitoring for musical instruments and vocals. Speech reinforcement in theatres and TV studios. High-quality distributed sound systems in clubs, pubs, restaurants, bars, gyms, aerobic/fitness centres etc. Even wider high-dynamic application possibilities when used together with the dedicated DVS 115/118 SW subwoofers (club and dance venues, acoustic drum monitoring, ...). Perfect support (e.g. on front-fill duty) at large events, as a perfect match for Outline's line arrays

DESCRIPTION

DVS 8P SP is a wide range 2-way loudspeaker system with an integrated 2-channel amplifier. It comprises a 20 cm (8") high power woofer for low and mid frequencies and a 1" compression driver for high frequencies, ferrofluid-cooled and loaded with a controlled directivity horn. This enables the enclosure to be used indistinctly in either a vertical or a horizontal position to achieve the necessary characteristic of "projecting" the mid frequency range, ensuring greater intelligibility. The DVS 8P SP system has phase inversion low frequency loading and a tuned enclosure. The system's uniform directivity from 500 Hz to 4 kHz has an average dispersion of 112° (horizontal) and 111° (vertical) and average wide-range sound coverage from 500 Hz to 10 kHz is 119° (horizontal) and 93° (vertical). The DSP optimizes the enclosure's frequency response and offers the choice of four EQ presets: the bandwidth reproduced with the "Flat" preset is from 48 Hz to 18.5 kHz at -10 dB and the frequency response of the complete system is ±3dB from 75 Hz to 17.5 kHz. The amplifier module ensures high headroom compared to the system's dimensions (123 dB SPL peak @ 1 m in free-field). The rear panel covers the power amplifier module and is particularly interesting; made entirely in aluminium, it has an unusual innovative design, giving the enclosure a really original look. The numerous small "pyramids" forming the panel favour the greatest possible heat dissipation, which ensures great advantages in terms of reliability. The asymmetrical 12 mm birch plywood cabinet enables use as a floor monitor in two horizontal positions (25° and 45°) and, as well as combining functionality, style and sturdiness, the refined design minimizes internal resonance. The cabinet has ten M8 threaded mounting points (three on each side, two on top and two on the bottom) to facilitate both vertical and horizontal flying, by means of the appropriate optional accessories, and a pole mount receptacle for standard 35 mm speaker stands. The perforated steel grille on the front of the enclosure has a weather-resistant black paint finish and is internally covered by sound-transparent foam.

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE (-10 dB) 48 Hz ÷ 18.5 kHz
(±3 dB) 75 Hz ÷ 17.5 kHz

INPUT SENSITIVITY 2.22 dBu (1 V_{RMS})
INPUT GAIN Selectable (-∞ ÷ +6 dB)

AVERAGE DISPERSION >5 kHz 85° x 53° (H x V)

POWER AMPLIFIER
Type Class D (Digital)
Input Impedance 10 kΩ balanced to ground
Cooling Natural Air Convection
Rated Power (1 kHz, 1% THD)
Low/Mid 1 x 350 W EIAJ on 4 Ω
High 1 x 180 W EIAJ on 8 Ω

MAX SPL @ 1 m (calculated) Cont. 117 Peak 123

CONNECTORS Audio 1 XLR + 1 Link Out
Mains 1 IEC C14 Socket

LOUDSPEAKERS AND LOADING
Low/Mid 1 x 8" NdFeB vented high-pass loaded woofer
High 1 x 1" horn loaded compression driver

WEIGHT
Single unit 8 kg (17.6 lb)
Shipping (1 unit) 9 kg (19.8 lb)

DIMENSIONS
Height 42 cm (16.53") 43 cm (16.9")
Width 23.4 cm (9.21") 28 cm (11")
Depth 25.95 cm (10.21") 30 cm (11.8")

DVS SERIES