

DVS 12 SP

FEATURES

- Multi-purpose, high efficiency, wide range self-powered system
- 2-way, 2 loudspeakers, high power, short-medium throw
- Built-in Class D power amplifier module (1000 W EIAJ on 8 Ω)
- Reflex-loaded 12" woofer and compression driver with titanium diaphragm; horn with controlled directivity and wide dispersion (87° x 67° from 500 Hz to 10 kHz)
- Asymmetrical cabinet with flying hardware on all panels to meet a wide range of mounting and flying requirements for fixed applications. Receptacle for fitting support stand.
- Designed for use as a stage monitor in a horizontal position with two angles (25° and 45°), as is the entire DVS range
- Built in birch plywood with water-resistant phenolic glue
- Waterproof scratch-resistant black paint finish
- High SPL (129 dB SPL peak @ 1 m in free-field) from compact dimensions
- Internally braced cabinet to minimize vibrations that could jeopardize acoustic response



APPLICATIONS

Medium-power live applications. Near-field stage monitoring for musical instruments and vocals. Sound 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 12 SP is a wide range 2-way loudspeaker system with an integrated powerful amplifier (1000 W EIAJ on 8 Ω). It comprises a 32 cm (12") high power woofer for low and mid frequencies and a compression driver (75 mm titanium diaphragm with a 36 mm throat) for high frequencies, loaded with a controlled directivity and wide-dispersion horn. The enclosure can be mounted on an optional tripod stand, flown from the ceiling and/or positioned on the floor as a stage monitor. The DVS 12 SP system has phase inversion low frequency loading and a tuned enclosure. The system's uniform directivity has an average dispersion of 93° (horizontal) x 83° (vertical) in the spoken-word frequency range (500 Hz ÷ 4 kHz) and average wide-range sound coverage is even 87° H x 67° V from 500 Hz to 10 kHz. The useable frequency range at -10 dB is from 44 Hz to 20 kHz and the frequency response of the complete system is ±3 dB from 70 Hz to 20 kHz. The amplifier module ensures high headroom compared to the system's dimensions (129 dB SPL peak @ 1 m in free-field). The asymmetrical 15 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 twelve M8 threaded mounting points (two on each side, three on top, three on the bottom and two on the rear) 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. Practical integral side handles ensure a safe grip under all conditions. The perforated steel grille on the front of the enclosure is sound-transparent and has a weather-resistant black paint finish.

TECHNICAL SPECIFICATIONS:

FREQUENCY RESPONSE	(-10 dB) (±3 dB)	44 Hz ÷ 20 kHz 70 Hz ÷ 20 kHz
INPUT SENSITIVITY	3.2 dBu (1.12 V _{RMS})	
AVERAGE DISPERSION	>5 kHz	77° x 30° (H x V)
POWER AMPLIFIER	Type Input Impedance Cooling	Class D (Digital) 10 kΩ balanced to ground Natural Air Convection
Rated Power (1 kHz, 1% THD)	1000 W EIAJ on 8 Ω bridged	
MAX SPL @ 1 m (calculated)	Cont. 123	Peak 129
CONNECTORS	Audio Mains	1 XLR + 1 Link Out 1 PowerCon + 1 Link Out

LOUDSPEAKERS AND LOADING

Low/Mid 1 x 12" NdFeB vented high-pass loaded woofer
High 1 x 1.41" throat (3" titanium diaphragm) horn loaded compression driver

	Single unit	Shipping (1 unit)
WEIGHT	22 kg (48.5 lb)	25 kg (55.1 lb)
DIMENSIONS		
Height	57 cm (22.4")	62 cm (24.4")
Width	35 cm (13.8")	40 cm (15.7")
Depth	35 cm (13.8")	39.5 cm (15.6")

DVS SERIES