DVS 15P ISP

DVS 15P iSP is a compact 2-way full-range loudspeaker system with built-in bi-amplification and integration of the proprietary DSP control – iMode. iMode’s revolutionary user integration via the Apple iPad and iPhone allows wireless control over individual or groups of DVS iSP loudspeakers; 4 band parametric EQ and a further 4 bands in “group mode”, Low pass/High pass filters, Gain, signal Delay, and polarity can be accessed. Within the DSP all Crossover points, Limiters, and band gains are “factory set” so uniformity and consistency remains constant across all DVS 15P iSP. It comprises a single 38 cm woofer for low and mid frequencies with a 76 mm copper coil and a 2.5 mm titanium compression driver diaphragm with a 36 mm throat for the high frequency section. The HF is horn loaded with controlled directivity and wide dispersion. The system’s uniform directivity from 500 Hz to 4 kHz has an average dispersion of 92° horizontal and 72° vertical and average wide-range sound coverage from 500 Hz to 10 kHz is 90° horizontal and 64° vertical. The acoustic reproduced bandwidth is 46 Hz to 20 kHz at -10 dB. The frequency response of the complete system is +/- 3 dB from 66 Hz to 17 kHz. Flown in free-field it has high average wide-range level, producing 135 dB SPL peak.



Cena:
Kategorie: Audio, Scena, Głośniki, Instalacje AV, Nagłośnienie obiektów



OPIS

The maximum available power from the 2-channel PWM amplifier module is 750 W EIAJ per channel. The cabinet has twelve M8 threaded mounting points to facilitate both vertical and horizontal flying by means of the appropriate optional hardware. The bottom of the cabinet has a pole mount receptacle, for fitting a standard 35 mm tubular support or tripod stand. The perforated steel grille on the front of the enclosure is acoustically-transparent.

UNIQUE CONTROL POSSIBILITIES

All the DVS iSP series is equipped with Outline’s proprietary iMode technology. Utilised extensively throughout the Outline range, iMode is a truly “intelligent” digital loudspeaker control platform which combines advanced digital signal processing and TCP/IP protocol to provide comprehensive control capabilities and a huge choice of interface devices. Users have real-time control over a series of parameter (levels, delay, eq’s, shelving filters). iMode also allows the user to monitor performance parameters throughout the system (including VU-meters, clip and limiter status, amplifier overheating and protection) by using an iPad with dedicated Outline app. With standard IP-based communication, the iMode platform is truly future-proof, offering control via netbook, smartphone, and many devices yet to appear. iMode operates on a Linux operating system with an Outline-customised kernel, chosen for its extreme stability and compatibility, and providing a robust foundation for iMode’s advanced functions.

Features

- 2-way bi-amped PWM power module (750 W EIAJ per channel) integrated with Outline’s proprietary DSP control – iMode.

- Reflex-loaded 15″ woofer and 2.5″ compression driver with titanium diaphragm loaded onto constant directivity horn (90° x 64° from 500 Hz to 10 kHz).
- Trapezoidal cabinet with flying hardware on all panels to meet a wide range of mounting and flying requirements for fixed applications or mobile use. Receptacle for fitting support stand.
- Designed for use as a stage monitor in a horizontal position (with two angles), or FOH use in vertical position.

iMode Features

- Direct control of all Outline iMode enabled speaker systems via iPad, iPhone and iPod Touch (with dedicated app).
- Latest implementation of Outline’s mission “from computer to enclosures”, featuring: rapid operation, ease of use, the enjoyment of a touch screen, the efficiency of the controls and the precision of digital technology.
- Real-time control over a series of parameters – levels, delay, eqs, shelving filters and group functions.

Applications

- Designed for use in applications requiring accurate and powerful full-range reproduction of live or program material to very high levels, its ability to reproduce source material with such integrity makes the DVS 15P iSP applicable for either fixed or mobile use. Typical uses would include: Main FOH, In-Fill, Out-Fill, or Delay-Fill, Acoustic drum monitoring or Side-fill with a dedicated subwoofer.

PERFORMANCE SPECIFICATIONS

Frequency Response (-10 dB)	43 Hz – 20 kHz
Nominal Dispersion	90° x 50° (H x V)
Power Amplifier	Type: Class D (digital) Input impedance: 10 kΩ balanced to ground Rated power: 2 x 750 W EIAJ on 4 Ω Cooling: temperature controlled variable speed fan Special feature: direct preset selection, controllable via iPad app
Maximum SPL Output *	135 dB SPL

** calculated using +10 dB Crest Factor signal @ 1 m, Free Field*

PHYSICAL

Component Low	15″ woofer, vented high-pass box
Component High	3″ diaphragm compression driver, horn loaded
Connectors	Audio: 1 XLR + 1 Link Out Ethernet: 1 EtherCon + 1 Link Out (RJ 45 Socket) Mains: 1 Powercon + 1 Link Out
Cabinet Material	Baltic birch plywood
Cabinet Finish	Black polyurea coating
Grill	Epoxy powder coated
Installation Points	12 x M8 threaded points
Pole Mount	35 mm socket
Height	700 mm – 27 1/2″
Width	425 mm – 16 3/4″
Depth	410 mm – 16 1/8″
Weight	28 kg – 61.5 lb