

# DVS 118 SW

## FEATURES

- Ready to be fitted with Outline's i-Mode Technology (see details below)
- High efficiency high-power subwoofer with a 18" long-throw cone magnet and 100 mm voice coil.
- High power handling (2800 W AES peak) and maximum sound pressure (138 dB SPL peak at 1 metre).
- Cabinet with internal bracing for utmost sturdiness, free from sound "colouring" due to resonance.
- Optional trolley with sturdy smooth-running wheels facilitates transport, even on relatively uneven surfaces.

## APPLICATIONS

- No-nonsense use in "live" concerts of all sizes, floor or stage mounted and combined with other units of the same type for sound reinforcement of low frequencies.
- High-quality permanent installations in theatres, clubs, indoor sports arenas; an ideal combination for all Outline loudspeaker systems.

## DESCRIPTION

DVS 118 SW is a loudspeaker system suited to high SPL reinforcement of low frequencies, fitted with a 46 cm (18") long-throw woofer. Loading is of the phase inversion type with the enclosure tuned at a rather low frequency.

The peculiarity of this overall 4th order loading consists in obtaining a wide band-pass and great extension towards the bottom end of the frequency response.

The standard components used allow to obtain a useable bandwidth reproduced at -10dB from 26 Hz to 500 Hz, with remarkable linearity within  $\pm 3$ dB from 35 Hz to 350 Hz, enabling the system to be used in a wide range of applications for sound reproduction from low to mid/low frequencies.

The max sensitivity is 101 dB in half space and the maximum continuous AES power 700W gives 132 dB SPL while peak values even reach 138 dB SPL (2,800W peak). The rectangular shaped system is built in sturdy phenolic glued 15mm baltic birch plywood that is resistant to damp, even in outdoor applications. Inside, as well as the bracing, which stiffens the panels and avoids vibration, the long tuning port also doubles as bracing. The external finish is in high quality scratch-resistant black paint. The front is protected by an anti-resonant sound-transparent steel grille. There is a receptacle for mounting the optional support of a satellite (if used); integral handles facilitate handling and an optional trolley to facilitate the transport, even on uneven surfaces.

## I-MODE - INTELLIGENT LOUDSPEAKER PLATFORM

DVS 118 SW is ready to be fitted with Outline i-Mode Technology - the next step in self-powered loudspeaker development, processing and control. It's a truly 'Intelligent' Platform for advanced loudspeaker control. In addition to utilizing a powerful switching amplifier, the system provides complete and accurate loudspeaker control and reporting of all system parameters within each component, and across the entire system as a whole. **Through the use of advanced digital signal processing (DSP) and a built-in web server, users can control the sound system via any standard web browser (no special software required), just as one would navigate a website.** Additionally, a number of control parameters can be conveniently accessed via the loudspeaker's rear panel and display. With **standard IP-based communication**, the i-Mode platform is truly future-proof, controllable via netbook, smartphone, and any devices 'of tomorrow'. **i-Mode operates on a Linux operating system with an Outline-customized kernel.** Chosen for its extreme stability and compatibility, the operating system provides a robust foundation for i-Mode's advanced functions. Audio conversion is done at 24-bit/192 kHz resolution.

Further information (also see Outline's i-Mode technology) available at [www.outline.it](http://www.outline.it)



## TECHNICAL SPECIFICATIONS:

<b>FREQUENCY RESPONSE</b>	(-10 dB) ( $\pm 3$ dB)	26 Hz $\div$ 500 Hz 35 Hz $\div$ 350 Hz
<b>SUGGESTED X-OVER</b>	max 150 Hz	
<b>AVERAGE DISPERSION</b>	Quasi-omnidirectional	
<b>IMPEDANCE (<math>\Omega</math>)</b>	Tot (min)	8 (6.2 @ 49 Hz)
<b>MAX SENSITIVITY (dB SPL @ 1W 1m)</b>	98 (Free-field) 101 (Half-space)	
<b>POWER - WATT AES</b>	Cont. 700	Peak 2800
<b>MAX SPL @ 1 m (calculated)</b>	Cont. 126 132	Peak 132 (Free-field) 138 (Half-space)

<b>CONNECTORS</b>	2 x NL4 Speakon in parallel Pin 1 + pos ; Pin 1 - neg										
<b>LOUDSPEAKERS AND LOADING</b>	Low 1 x 18" woofer, high-pass vented box										
<b>WEIGHT</b>	<i>Single unit</i> 42 kg (92.6 lb)	<i>Shipping (1 unit)</i> 47 kg (103.6 lb)									
<b>DIMENSIONS</b>	<table border="1"> <tbody> <tr> <td>Height</td> <td>65 cm (25.6")</td> <td>74 cm (29.1")</td> </tr> <tr> <td>Width</td> <td>55 cm (21.7")</td> <td>63 cm (24.8")</td> </tr> <tr> <td>Depth</td> <td>60 cm (23.6")</td> <td>68 cm (26.8")</td> </tr> </tbody> </table>		Height	65 cm (25.6")	74 cm (29.1")	Width	55 cm (21.7")	63 cm (24.8")	Depth	60 cm (23.6")	68 cm (26.8")
Height	65 cm (25.6")	74 cm (29.1")									
Width	55 cm (21.7")	63 cm (24.8")									
Depth	60 cm (23.6")	68 cm (26.8")									

# DVS SERIES