

DSW.2

DIGITAL ACTIVE SUBWOOFER



OVERVIEW

The DSW.2 is designed to be used in combination with Meridian loudspeakers in a wide-range of applications. Whether used on its own or in multiples, it is suitable for two-channel systems as well as multi-channel set-ups. The configuration options available in Meridian systems provide the flexibility required to integrate the DSW.2 seamlessly into any of its potential roles.

In systems which include full-range speakers, the DSW.2 can augment bass performance by adding deep impactful bass wherever required. In systems using compact loudspeakers, it can extend low-frequency response leaving the other loudspeakers to play the frequencies to which they are best-suited.

Its relatively compact size means the DSW.2 is easy to integrate into discreet systems whilst its tapered form factor, high-gloss lacquered finish and concealed connections contribute to a visual elegance rarely associated with subwoofers. This makes the DSW.2 a perfect statement piece in many rooms.

PRODUCT HIGHLIGHTS

The DSW.2 delivers powerful, authentic bass with room-filling performance to enhance both music and movie soundtracks.

- A long throw, 12" drive-unit with a massive motor system is combined with a Class-D amplifier delivering over 600W of power to provide room-filling bass with power, accuracy and low distortion.
- Ideal for extending the bass response of compact loudspeakers, augmenting the bass output of larger loudspeakers and for the playback of LFE material.
- Extremely strong internal cabinet construction for maximum rigidity, even at high power levels.
- Designed to blend seamlessly with other Meridian loudspeakers, the DSW.2 is equally suited for stereo and surround-sound applications.

DRIVE UNIT

- Long-throw design to provide the movement necessary to reproduce low frequencies without sacrificing detail.
- Lightweight and stiff paper cone ensuring accuracy and speed on transients.
- Non-conductive voice-coil former to avoid distortions due to generation of undesirable eddy currents.
- Massive motor system (>2kg) with high-flow, bell-mouthed, venting centre-pole to aid voice-coil cooling.
- Cast aluminium chassis for strength and rigidity to avoid flexing.



USER FEATURES

- Meridian SpeakerLink connectivity makes the DSW.2 quick and easy to install and allows for daisy-chaining with other Meridian loudspeakers.
- Three-way channel selector switch (1, 1+2, 2) determines the digital audio played back by the subwoofer.
- Green power indicator illuminates dimly in Standby and brightly when in operating mode. Unit automatically switches in and out of Standby when activated by connected Meridian products.

- The unit is raised off the ground by three feet which are suitable for carpeted floors, and is supplied with optional rubber tips which can be used on hard floor surfaces.
- Available in high-gloss black or high-gloss white as standard finishes. Custom finishes are available upon request as well as a further 270 RAL colour finishes as part of Meridian's Select programme.

TECHNOLOGIES

ON-BOARD DSP

On-board DSP provides thermal and dynamic bass protection while retaining very accurate transients, ensuring that when the loudspeaker is played at high levels – even over prolonged periods of time – it always delivers a clean and accurate sound.

MERIDIAN APODISING FILTER

A unique Meridian DSP filter that avoids pre-ringing, so it can be steeper, cleaning up the effects of early, less efficient filters used in the digital recording process. The result: a better, cleaner sound from recordings both old and new.

ENHANCED BASS ALIGNMENT (EBA)

Meridian's innovative Enhanced Bass Alignment (EBA) technology uses two different technologies to time-align differing frequencies, resulting in audibly improved bass transients and added life and clarity.

FIFO BUFFERING

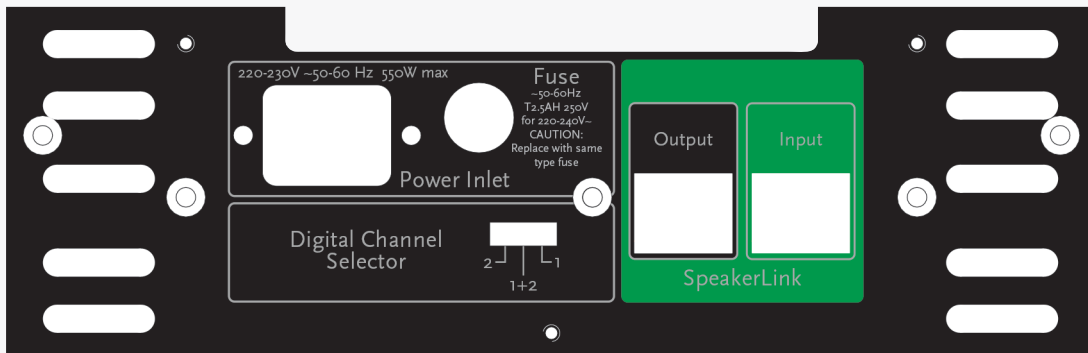
Meridian's 'First In, First Out' buffering system minimises jitter, ensuring perfect timing and improved clarity. You enjoy a clearer feeling of the instruments and their interrelationship.

CONSTRUCTION

Utilising a 12in driver, the DSW is compact yet capable of very high performance. To manage its level of power, the plywood cabinet is extremely robust, with exceptionally strong internal struts. The driver itself is mounted in a 'nest' of internal ribs that hold it firmly in position for maximum stability and control.



CUTAWAY VIEW SHOWING INTERNAL BRACING



REAR PANEL LAYOUT

SPECIFICATION

INPUT	<ul style="list-style-type: none"> Meridian SpeakerLink connector (RJ45)
OUTPUT	<ul style="list-style-type: none"> Meridian SpeakerLink connector (RJ45)
PERFORMANCE	<ul style="list-style-type: none"> Overall distortion typically <0.02%
AMPLIFIER	<ul style="list-style-type: none"> 1 x Class D amplifier capable of producing over 600W RMS on music or movie transients
BASS DRIVER	<ul style="list-style-type: none"> 1 x 12in long-throw bass driver
CONTROLS	<ul style="list-style-type: none"> Channel selector switch to select which digital audio received via the SpeakerLink input is played LED indicator shows power status
PRODUCT DIMENSIONS	<ul style="list-style-type: none"> HEIGHT: 445mm [17.5in] * 450mm [17.7in] ** DEPTH AT BASE: 430mm [17in] WIDTH AT BASE: 380mm [15in] WEIGHT: 22kg [48.4lbs]
POWER	<ul style="list-style-type: none"> IEC mains connector – 550W max

*Height on standard feet (recommended for use on a carpeted floor)

**Height on standard feet plus rubber inserts (recommended for use on a hard floor surface)