

DSP3200

COMPACT DIGITAL ACTIVE LOUDSPEAKER

OVERVIEW

The DSP3200 is a compact loudspeaker that provides a powerful performance well beyond its compact size and is designed for intimate listening spaces or as part of a larger installation. It employs Meridian's award-winning DSP technologies with two integrated amplifiers, on-board digital signal processing and two drivers. The result is a stylish, powerful loudspeaker that provides a perfect entry into the Meridian range of DSP Loudspeakers.

The precision manufactured cabinet is finished in a high-gloss white and black finish and is ideally suited for use in a variety of room locations including bookshelf, on wall mountings, as well as on Meridian floor stands. The loudspeakers are also well suited for use in multi-room installations and home cinemas and are the perfect partner for the Meridian Audio Core 200 which can be connected by SpeakerLink cables.



PRODUCT HIGHLIGHTS

- Full range dispersion with DSP control to deliver a room-filling performance across a broad listening area.
- Two powerful 75 watt amplifiers drive the 165 mm polypropylene bass driver and 85 cm aluminium cone wide-range driver.
- Sophisticated DSP-based loudness control allows DSP3200 to deliver a bigger sound that remains balanced even at low listening levels.
- Flexibility to mount on book shelves, on specially designed Meridian stainless-steel floor stands or for wall mounting with widely available wall brackets (which also enable inverted installation).
- The DSP3200 includes many of the features found on the larger Meridian loudspeakers including FIFO Buffering, Enhanced Bass Alignment (EBA), efficient DSP crossovers and multiple DACs.

USER FEATURES

- 'Ethernet' style SpeakerLink cabling for optimal performance and easy installation.
- Onboard Digital Signal Processing for dynamic bass performance with highly accurate transients delivering a bigger sound even at low levels.
- Precision manufactured sealed cabinet offering exceptionally low colouration and impressive mid-range transparency.
- The DSP3200's compact size means it can be used in a variety of applications including stand-alone, multi-room and multi-system installations such as home cinemas, where they can be daisy chained.
- Many of the user features such as EBA, volume etc can be controlled via the Meridian Audio Core 200.

TECHNOLOGIES

SPEAKERLINK INPUT BOARD AND DSP

The SpeakerLink input board provides interoperability between Meridian Controllers and DSP Loudspeakers. Digital Signal Processing has been enhanced for higher clock speeds, giving superb handling of the high sample rates encountered with high-resolution audio sources. Wide-range driver allows DSP crossover frequency to be outside the speech band, for an effortless sound that remains clear, open and spacious, even at high listening levels.

ENHANCED BASS ALIGNMENT (EBA)

Meridian's innovative Enhanced Bass Alignment (EBA) technology uses a combination of digital filters and delays to ensure that all frequencies reach the listener's ear at the same time.

WIDEBAND ANALOGUE ELECTRONICS

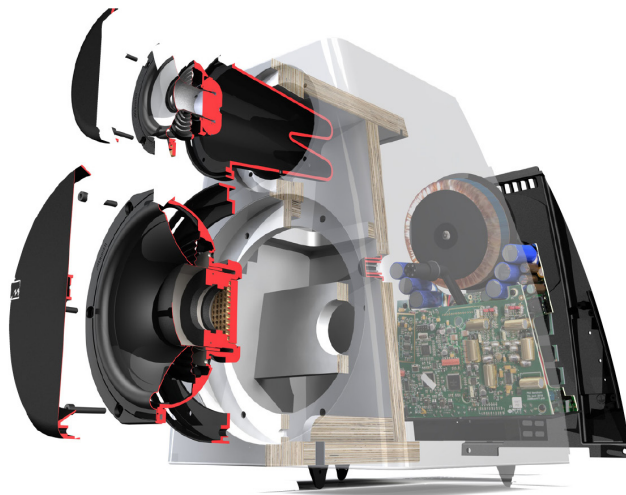
Each of the two amplifiers has been designed to provide a lifelike sound, with optimised transient response, extended frequency response and enhanced dynamic range.

MERIDIAN APODISING FILTER

A unique Meridian filter that avoids pre-ringing, 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

FIFO BUFFERING

Meridian's multiple '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

Meridian have designed and engineered the DSP3200 to compliment its range of larger DSP loudspeakers. Manufactured from interlaminated panels the DSP3200 is finished in a high gloss piano lacquer - Black and High Gloss White.

Soft cabinet edges not only enhance the visual design, but also avoid generating unwanted additional high frequency sounds that can blur the soundstage. Both drive units are built around an extremely stiff and stable die-cast aluminium chassis.

The modest size of the cabinet doesn't mean that performance is compromised, as the DSP3200 can deliver a performance upto eight times the physical volume of a traditional loudspeaker.

- Where Meridian's stylish steel/glass floorstands are used, the SpeakerLink and power cables feed through the stand assembly into a recessed panel in the base of the loudspeaker so there are no unsightly cables. Conical machined screw-in spiked feet reduce acoustic colouration when used on shelves or with the floorstands.
- Wall-mounting uses commonly available König & Meyer 24471 wall brackets which enable the DSP3200 to be mounted upright or inverted where required.

SPECIFICATION

INPUTS	• Meridian Speakerlink (RJ45)
OUTPUTS	• Meridian Speakerlink (RJ45)
PERFORMANCE	• Peak SPL: 114dB at 1m
	• Noise less than 15dB spl. Overall distortion typically <0.02% at any frequency or level
	• Frequency response In room within 3dB from 45Hz to over 20kHz.
AMPLIFIERS	• 2 x 75w (150 w)
BASS DRIVER	• 1 x 165mm polypropylene long throw bass driver
WIDE-RANGE DRIVER	• 1 x 85mm aluminium cone wide-range driver
CONTROLS	• A selector switch allows each DSP3200 to be set as a left, centre or right channel loudspeaker
DISPLAY	• LED indicator shows power status
DIMENSIONS/WEIGHT	• HEIGHT*: 320mm [12.6in] • WIDTH**: 244mm [9.6in]
	• DEPTH**: 246mm [9.7in] • WEIGHT: 8.5kg [20lbs]

* Without feet ** Max at base