

# 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 speakers 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 165mm polypropylene bass driver and 85cm 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, efficient DSP crossovers and multiple DACs.

# USER FEATURES

- 'Ethernet' style SpeakerLink cabling for optimal performance and is 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 midrange transparency.
- The DSP3200's compact size means it can be used in a variety of applications including standalone, multi-room and multi-system installations such as home cinemas, where they can be daisy chained.
- Many of the user features such as volume, treble, bass etc can be controlled via the Meridian Audio Core 200.

## TECHNOLOGIES

### NEW SPEAKERLINK INPUT BOARD AND DSP

A new SpeakerLink board provides enhanced 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.

### WIDEBAND ANALOGUE ELECTRONICS

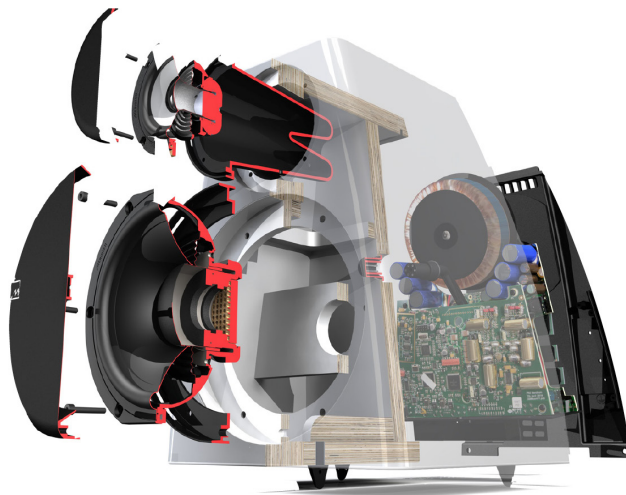
Each of the two amplifiers has been refined to provide a more lifelike sound, with optimised transient response, extended frequency response and enhanced dynamic range.

### MERIDIAN APODISING FILTER

A unique Meridian 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.

### 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 they 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.
- Wallmounting 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 (music material)
	• 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 (150W)
BASS DRIVERS	• 1 x 165mm polypropylene long throw bass drivers
BERYLLIUM DOME TWEET	• 1 x 85mm aluminium cone wide-range driver
CONTROLS	• A selector switch allows each DSP3200 to be set up as Left/Centre or Right speaker
DIMENSIONS/WEIGHT	• HEIGHT*: 320mm [12.6in] • WIDTH**: 244mm [9.6in]
	• DEPTH***: 246mm [9.7in] • WEIGHT: 8.5kg [20lbs]
POWER	• 6W standby, 200W max

\* Without feet \*\* Max at base

# DIGITAL SIGNAL PROCESSING THE ESSENCE OF AUTHENTIC SOUND

Digital Signal Processing (DSP) technology provides the foundation for every Meridian loudspeaker. A completely integrated audio system featuring multiple power amps, precision DACs and unique technologies, Meridian DSP loudspeakers provide more output, more bass and significant control advantages.

With designs suited for a wide variety of applications including living spaces, home theatres and marine, all Meridian DSP loudspeakers deliver unparalleled performance levels.



[meridian-audio.com](http://meridian-audio.com)



## THE DSP PATH AT A GLANCE



The DSP Loudspeaker is a complete audio system with DAC's, pre amplifiers, power amplifiers and high efficiency digital crossovers built into each speaker – just add a source.



Advanced listener controls including time-compensated balance, listening axis and Enhanced Bass Alignment – these enable speaker placement flexibility in a variety of environments.



Built in high performance power amplifiers, custom matched to each drive unit for maximum fidelity, control and output.



True, measured Sound Pressure Level (SPL) output for all models.



Features Meridian's proprietary Enhanced Bass Alignment (EBA) technology – bass, mid and treble all reach you at the same time, in perfect alignment.



On-board Digital Signal Processing – no lossy passive crossovers and wasted power.



Inert, rigid cabinet construction – you hear the high quality drive units, not the box.



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