



The Ideal Combination for
Astonishing Sound Quality



MERIDIAN



“CDs played through the 808.2 and the new DSP7200 active DSP loudspeaker sounded like high-resolution recordings.” — Robert Harley, AVGuide

The heart and soul of your music library has been hidden away forever. Now the time has come to set it free – to release the extraordinary excitement and emotion that lies within. Listen with DSP7200 Digital Active loudspeakers – and experience the heart of your music for the first time.

Meridian invented the Digital Active loudspeaker over 15 years ago. It takes the elements of a conventional hi-fi system and refines them, develops them to a peak – and hides them away inside the loudspeaker cabinet itself. This is the Meridian secret – a secret that you can share.

Technology with a feeling for music

The Meridian DSP7200 is part of a musical family – a very different and unusual family. A traditional ‘hi-fi system’ wastes a great deal of energy: big amplifiers drive power down thick, unsightly cables, only to burn it away



as heat in a conventional passive loudspeaker's crossover. Not so with a Meridian system. Here, the power amplifiers and loudspeaker drivers are in the self-same cabinet, along with all the components that are usually separate boxes in a conventional system. Invisible to the eye, the digital input signal is enhanced by powerful Digital Signal Processing (DSP) computers that work out exactly what each speaker unit needs to operate with the highest quality and with optimum efficiency.

The signal then passes to a special high-resolution Digital to Analogue Converter (DAC) unique to each driver, for maximum quality. The resulting audio goes to the loudspeaker unit's own power amplifier, mounted inches away from the driver itself. That closeness means not only efficiency, but much better control: we can ensure that the loudspeaker most accurately represents the subtle nuances of the sound.



Why you need a set of DSP7200s

Meridian invented DSP loudspeakers over 15 years ago. Nothing better reveals the feeling and emotion of your music library than a Meridian digital loudspeaker system.

A sound four times the size

This all-in-one design also means that the entire system is much more efficient – indeed, a Meridian DSP Loudspeaker produces as much sound as a conventional loudspeaker cabinet four times the size. Pure, simple, genius.

The cabinet within a cabinet

Inside the cabinet, each section of the loudspeaker has its own mini-enclosure, specially tailored for the range of frequencies it has to carry. A unique proprietary DSP filter is able to bring the best out of a Compact Disc, DVD or high-definition disc – for unequalled sound quality and incredible performance.

No unsightly cables

There are no expensive, bulky cables to get in the way. A single, slender CAT 5 digital cable links the units together, completing a super-quality high-definition digital chain stretching all the way back to the studio or the concert hall, linking you directly to the source – direct to the way the artists, recordists and producers meant you to hear the original sound.



The DSP7200 rear panel features RJ45 SpeakerLink sockets which allow Meridian components to be interconnected with a single, slender Cat 5 cable

The Perfect Companion



The 808.2 Signature Reference Compact Disc Player is the ideal companion for a pair of DSP7200 digital loudspeakers. Together, the two deliver some of the very best Compact Disc reproduction that money can buy.

Inside the 808.2 is a brand new digital filter that makes a familiar Compact Disc sound like High Resolution: smooth, clear, and natural. Not only does the 808.2 bring out the best in your CDs: it can even correct faults in the original recording.

You'll bring a whole new life to your CD library – and experience a whole new level of enjoyment listening to music.

Meridian's 808.2: At last, Compact Disc delivers on its promise.



Each 808.2 Signature Reference CD Player is individually signed by the co-founders of Meridian, Allen Boothroyd and Bob Stuart, inside the front cover panel



MERIDIAN

www.meridian-audio.com

MERIDIAN AUDIO LIMITED

Latham Road, Huntingdon, Cambridge, PE29 6YE, UK
Tel +44 (0)1480 445678 Fax +44 (0)1480 445686

MERIDIAN AMERICA INC

8055 Troon Circle, Suite C, Austell, GA 20168-7849, USA
Tel +1 404 344 7111 Fax +1 404 346 7111



Specifications



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808.2 Outline Technical Specification

THD & Noise:	Better than -96dBFS
Mechanism:	Triple-beam laser, multi-speed CD/DVD-ROM transport
Converters:	192kHz-capable, 24-bit, Delta Sigma converters operating at 4 x CD sample rate (176.4kHz)
Stereo Outputs:	
Analogue –	1 x unbalanced on phono, 1 x balanced on XLR-3M: 2.3vrms fixed/variable, 47Ω impedance
Digital –	Coax unbalanced (S/PDIF), RJ45 balanced (AES/EBU) digital interface for single-cable connection of other Meridian equipment. Operating at up to 2 x CD sample rate (88.2kHz), 24-bit with MHR option. Proprietary oversampling filter for superb reproduction of CD and similar sources
Stereo Inputs (808i only):	
Analogue –	6 x unbalanced on phono
Digital –	3 x coax unbalanced (S/PDIF) and 2 x Toslink optical
Formats:	CD Audio (CD-DA), CD-R, CD-R/W
Connections:	Two 5-pin 240° DIN sockets for Meridian Comms and RS232 full remote/configuration interface Three programmable 12v trigger outputs. RJ45 for single-cable SpeakerLink connection to other Meridian equipment
Construction:	Black lacquer or satin silver finish in metal & glass
Dimensions:	480mm (18.9in) x 175mm (6.9in) x 411mm (16.2in) (WHD)
Controls:	Front-panel keys for Open/Close, Play, Stop, Pause, Previous, Next, On/Off. Additional controls behind hinged front access cover include Repeat, Fast Forward/Reverse, Display, Mute, Volume Up/Down, Store/Clear; Source Full remote control via MSR+ IR remote (supplied) and RS232
Display:	20-character dot matrix display with adjustable brightness and contrast. Indicators for Phase, Repeat and EQ (emphasis)
Power Input:	Universal power supply for 100–240Vac, 50/60Hz, 25W

DSP7200 Outline Technical Specification

Performance:	Frequency response in-room within 3dB from 30Hz to over 20kHz. Maximum output >112dB spl @ 1m on music material. Noise less than 15dB spl. Overall distortion typically <0.02% at any frequency or level
Inputs:	1 x phono digital input (S/PDIF), 1 x balanced digital (AES/EBU) input on RJ45; 32kHz–96kHz sampling rates at up to 24 bit; MHR support. RJ45 SpeakerLink input also carries RS232 and trigger
Outputs:	1 x RJ45 SpeakerLink output with balanced digital audio and control for a second loudspeaker Carries infra-red pick up for system automation
Construction:	'3½-way' acoustic reflex system. 2 x 200mm long-throw bass drivers. 1 x 160mm polypropylene mid driver 1 x 25mm aluminium-dome tweeter, silver wire, short horn-loaded Gloss black or silver piano-lacquer cabinet, other colours available to order
Electronics:	FIFO memory buffer input for the lowest possible jitter from almost any source. Analogue gain & filtering with proprietary Meridian error-corrected discrete amplification. Digital & conversion electronics utilise advanced surface-mount techniques and partitioned 6-layer printed-circuit boards. 4 x 24-bit 128x oversampling D/A converters for maximum audio quality. Proprietary oversampling filter for superb reproduction of CD and similar sources. 4 x tailored 100W power amplifiers – one per driver
Dimensions:	350/180 (13.75/7.1) W, 1072 (42.25) H (no feet), 415/217 (16.5/8.5) D [base/top, mm (in)] (vertical version) See engineering drawing for full dimensioning
Weight:	55kg (121 lb) each (vertical version)
Controls:	Rear-panel switch for Power On/Off. Remote operation via MSR+ and RS232
Front display:	Eight-character display with system lights, may be turned off