AUDIO CORE 200
STEREO AUDIO CONTROLLER

OVERVIEW

Stunning design, uniquely engineered form, with a plethora of high-tech features: that's the Audio Core 200.

Inspired by the advanced technology in Meridian's popular 808.3 Signature Reference CD Player, the AC200 is a stereo audio controller designed to unify all your digital or analogue audio sources and form an elegant system with any pair of Meridian DSP Loudspeakers. Containing some of the most powerful audio enhancement technologies in the world it is truly equipped to be the heart of your system.

PRODUCT HIGHLIGHTS

The Audio Core 200 offers outstanding preamplifier quality, coupled with powerful audio enhancement technologies for the best audio quality from any source.

- Offers easy connectivity with your CD player, radio tuner, set-top box, TV, games console, media player, PC and more.
- Simple, single-wire connection via SpeakerLink to a Meridian Sooloos Digital Media System and to Meridian DSP loudspeakers which delivers easy access to the DSP features that enable you to get the best sound in any environment.
- Fully compatible with Meridian's i80 Dock for iPod.

- A stereo width control feature allows the stereo soundstage to be optimised irrespective of the loudspeaker positions, increasing soundstage width when the speakers are located close together, and optimising it for best envelopment and imaging when more ideally placed.*
- Two 3.5mm mini-jack inputs are also included which offer both analogue line level and optical digital interfaces.

MERIDIAN

USER FEATURES

- Offers a 3.5mm stereo mini-jack headphone output allowing loudspeakers to be turned off.

- Compatibility with Meridian's i80 Dock means you can play your iPod via Meridian DSP speakers while it charges, controlling what you hear via front panel or remote.

- Intelligent front-panel controls feature smart buttons and rotary contol knob and auto-dimming OLED display or can be controlled with IR remote (supplied).

- The advanced OLED display adjusts to suit ambient light levels – or you can turn it off completely.

TECHNOLOGIES

AUDIO PROCESSING

Analogue inputs are converted to digital at 96kHz and all input signals are processed with Meridian's exclusive 'apodising' filter that ensures maximum audio quality and can even 'clean up' poorer quality recordings. Digital inputs accept signals up to 96kHz, including the SpeakerLink input which allows the replay of high resolution files from a Meridian Sooloos Digital Media System.

LOUDSPEAKER CONTROL

The AC200 communicates fully with Meridian DSP Loudspeakers, providing access to optimisation control features of the loudspeakers from its front panel *.

ADDITIONAL ENHANCEMENT TECHNOLOGIES

FIFO buffering and MHR (Meridian High Resolution) are employed to get the very best performance from all digital sources.

STEREO WIDTH AND EBA CONTROL

The stereo width control allows the stereo soundstage width to be increased when the speakers are located close together, and optimised for best envelopment and imaging when more ideally placed.* Meridian's advanced EBA (Enhanced Bass Alignment) technology ensures that all the frequencies in the music arrive with the correct timing, for a sound that is clearer and more authentic – more 'alive'.

* These features are software version dependent.

REAR PANEL LAYOUT

CONSTRUCTION

The AC200 is presented in an elegant compact enclosure with a recessed connector panel. The curved sides and top echo the curves of Meridian's DSP Loudspeakers. The AC200 is moulded from high grade moulded resin available as standard in high gloss black and high gloss white. The slim profile remote control is finished in black with sleek rounded controls.

- The unit features five software-defined keys and four fixed function keys – a development of the interface used on the M80 Compact Entertainment System.
- Volume is controlled by large knob which can be pushed to mute the loudspeakers.

SPECIFICATION

INPUTS	• Meridian SpeakerLink (RJ45)	• 2 x S/PDIF coax (phono)
	• 2 x mini-optical (3.5mm jack)	• USB for use as external computer sound card
	• i80 connector (Mini-DIN)	• 2 x Stereo Analogue (phono)
	• 2 x Stereo Analogue (3.5mm jack) (same connectors as optical digital)	
OUTPUTS	• Twin Meridian SpeakerLink (Master & Slave, RJ45) with MHR	
	• 3.5mm Stereo Headphone out (optionally mutes speakers)	
PROCESSING	• Upsampling to 2xfs (88.2/96 kHz). (Output is always high resolution)	
DISPLAY	• OLED (Organic LED) display with automatic brightness feature (can also be dimmed/brightened/disabled manually)	
CONTROLS	• Allows control of DSP speaker functions** including: Treble, Bass, Stereo Width, Loudness, Enhanced Bass Alignment (EBA), Loudness, Phase +/- and Movie Mode	
	• Nine front-panel keys, five of which are context-defined	
	• Large knob for volume control and muting	
	• IR remote control (included)	
	• USB connector for serial control and maintenance	
DIMENSIONS/WEIGHT	• HEIGHT: 91mm [3.6in]	• WIDTH: 280mm [11in]
	• DEPTH: 280mm [11in]	• WEIGHT: 2.7 kg (6 lbs)
POWER	• 12v DC, <=300mA, provided by external wall-mounted universal supply	

** Some functions on older speaker models may not be supported