

588

Meridian CD Player

Sales information

- Evolved from Meridian's 508 and 800 CD players
- ROM drive used for precise recovery of data
- Multiple buffer stages to give astonishingly low jitter
- Error correction ten times more effective using ROM system
- High-quality 2-channel output using 192kHz 24-bit DACs
- Full RS232 control and status
- Software updateable



Background

Meridian is the leader in high-end CD playback, and has held that pre-eminent position since 1984. Over the intervening 16 years we introduced 20 CD player models – each one advancing performance. This steady process of redefining CD has been recognised by more than 50 industry awards and has made Meridian synonymous with the very best in CD.

Meridian's finest CD players to date are the venerable 508 and the astonishing 800 CD/DVD Machine. 508 alone has enjoyed more than 20 awards, including a Class 'A' rating from *Stereophile*, who, when faced with the superb performance of 800, had to add the Class A+ rating!

Meridian players do not use 'off the peg' solutions but are designed and built from the ground up to provide the finest sound, the most robust disc handling and lasting quality. Following our great success with 800 we have decided to bring some of its advanced technology to a very exciting new player – the 588.

Meridian 588

588 uses a precision DVD-ROM drive to read information from the discs using a technology developed for the Meridian 800 Series. This drive's precise pickup system is optimised for CD and CDR playback.

The data from the disc is checked, corrected and decoded using an extremely powerful digital processing system. Within the data path are three large memory buffers – each one in turn establishing smoother data flow so that the final audio has the lowest possible jitter. These steps all ensure that you can enjoy the highest quality audio from your discs.

Advanced digital and analogue design and construction techniques combine to provide the highest performance. 588 is built using 6-layer PCBs, 7 separate power supplies, the latest surface-mount technology and components which have been carefully selected to optimize sound quality.

The 588 operating software has been developed by Meridian and benefits from our vast expertise on CD navigation, playability and sound quality.

In addition to CD the 588 can replay MP3 discs giving the best access to playback long-playing audio collections on a main system. MP3 discs can include personal albums (MP3 files optionally grouped as albums by directory) on a Recordable CD (CD-R).

An RS232 port supports full control of the player and provides for future software updates.

Meridian Audio Limited

Stonehill, Stukeley Meadows
Huntingdon
Cambridgeshire PE29 6EX
T +44 (0) 1480 52144
F +44 (0) 1480 459934

Meridian America Inc.

Suite 122, Building 2400
3800 Camp Creek Parkway
Atlanta GA 30331
T (404) 344 7111
F (404) 346 7111

BOOTHROYD STUART
MERIDIAN

<http://www.meridian-audio.com>

588

Meridian CD Player

Sales information

How can a ROM drive be so good?

ROM drives recover the data from computer discs perfectly. Loading a computer program rarely fails due to the ROM drive. Therefore, extracting the data from a CD can be done without error. In fact, 588 will often read the data from the disc more than once just to be sure it has it right.

Normally, however, a computer pays no attention to how smoothly the data flows from the disc. For high quality audio the final audio must flow very smoothly – without jitter. That's where our special technology comes in. From leaving the drive, the information is in the hands of very sophisticated digital audio circuitry to give both the highest data integrity and the lowest jitter.

Sound Quality

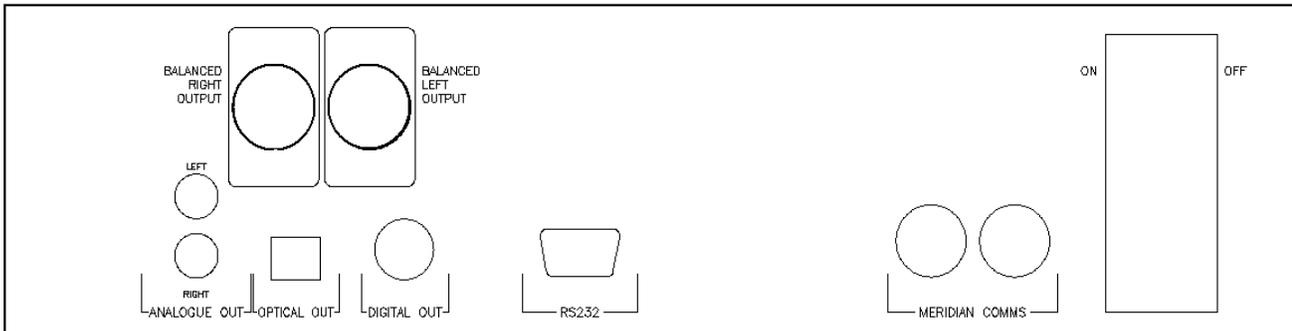
588 maximizes sound quality by reducing jitter to very low levels. Unlike other players that try to lower jitter by controlling drive vibration, the 588's triple buffer memory architecture abolishes this problem forever.

In 588 the audio is controlled using a precise master oscillator located within the final output section. The result of this sophisticated effort is a clear, open, authoritative sound.

The digital output is precision re-clocked.

The stereo analogue output uses 192kHz 24-bit advanced DACs combined with a superb direct-coupled audiophile-standard output amplifier.

Back Panel Drawing



Technical Specification

Formats: CD Audio (CD-DA), CD-R, MP3.

Audio outputs: 1 coax. Digital SPDIF/IEC1937.
2-channel analogue output. Available on both unbalanced (Phono) and balance (XLR)
Superb direct-coupled analogue design featuring 192kHz 24-bit conversion.
All audio outputs have extremely low jitter due to innovative FIFO and re-clocking scheme.

Controls: Front-panel controls for **Open/Close**, **Play**, **Stop**, **Pause**, **Previous**, **Next** and **Off**.
Full RS232 control and status for custom integration or automation.
A Meridian System Remote is included.

Front Display: 12 character display. Indicators for **CD**, **MP3** and **Repeat**.

Dimensions: 88mm (3.46in) H, 321 (12.64) W, 332 (13.07) D.

Power: Universal supply 100 – 240V, 50 – 60Hz, 25W.

Meridian Audio Limited

Stonehill, Stukeley Meadows
Huntingdon
Cambridgeshire PE29 6EX
T +44 (0) 1480 52144
F +44 (0) 1480 459934

Meridian America Inc.

Suite 122, Building 2400
3800 Camp Creek Parkway
Atlanta GA 30331
T (404) 344 7111
F (404) 346 7111

BOOTHROYD STUART
MERIDIAN

<http://www.meridian-audio.com>