

G51 Integrated AM/FM Stereo Receiver



**AM/FM RDS/RDBS receiver
with 2 x 100W amplification**

**Separate pre and power
amps in a single unit**

**Dual differential volume
control with knob**

Input level matching

**Separate pre out and amp
in connectors for maximum
flexibility**

**Seven stereo analogue in-
puts & dual tape outputs**

MM/MC option

**Power amp developed from
flagship DSP8000 speakers**

**Trigger output for external
device control**

Meridian's G Series line of high performance digital & analogue consumer audio components feature a stylish cabinet design in traditional black or a sleek silver finish.

Designed to be either free-standing or rack-mounted, G Series components build on their predecessors, the multi-award-winning 500 and our flagship 800 Series, and include entirely new circuitry developed specifically for the G Series.

Multi-layer boards reduce system noise and improve performance. In products which include video capabilities, broadcast-quality, wide-bandwidth video components are employed for maximum image integrity.

G Series units are easy to use. Where appropriate, a knob is included to control volume. The positive-action front-panel keys are software-defined: their legends are presented in the vacuum fluorescent display and change intelligently according to context.

Full installation configuration of many G Series components is achieved by running a special setup program on a Windows computer, connected to the G Series unit via a serial link, or direct from the front panel.

G Series products also include serial ports for remote operation and configuration, along with infra-red sensor input and trigger capabilities, plus Meridian communications ports. A comprehensive back-lit learning/programmable remote is included with products other than amplifiers.

The Meridian G51 is the first integrated receiver ever manufactured by the company, and forms a perfect complement to the rest of the G Series range with its super-high-quality reproduction of analogue signals. Although Meridian is today best-known for its digital circuitry, it is a company built on analogue roots, and indeed, superb analogue circuit design and implementation are important parts of all Meridian products.

Including a stereo preamplifier, controller and a power amplifier that features a unique low-feedback topology and extremely low output impedance, the G51 stereo receiver provides no less than seven stereo analogue inputs plus, of course, an AM/FM tuner with RDS/RDBS capability. The inputs are nominally designated Aux, CD, TV, Tape, Disc (Phono), DVD and VCR, but can be reconfigured. The G51 can be ordered with either moving coil or moving magnet stereo phono input modules.

Two sets of stereo tape outputs are provided, along with two preamp out pairs, one of which is normally jumpered to the adjacent power amplifier input sockets. These jumpers can be removed to connect an analogue surround decoder, for example, while the additional preamp output allows for biamping with an additional 2-channel amplifier such as the G56.

A front-panel volume knob (press to mute) activates a specially-designed dual differentially-balanced volume control circuit. This ensures perfect stereo tracking and full frequency range performance at all volume levels.

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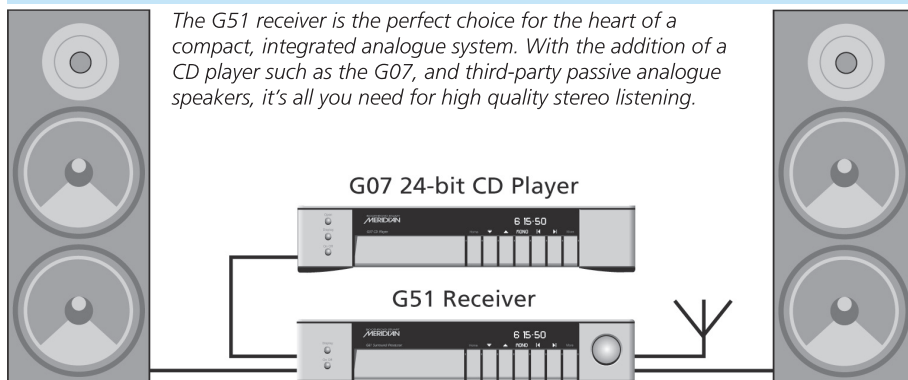
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G51 rear panel

Outline Specifications

Distortion:	Less than 0.01% input to output	Headphone:	2V rms maximum output
Signal/Noise:	Better than -90dB for high-level analogue inputs. Better than -70dB for MM input. Better than -60dB for MC input	Comms:	Two 5-pin 240° DIN sockets, BNC socket, RS232 and USB comms interfaces
MM option:	Sensitivity adjustable 0.5-3mV rms for 5cm/s @ 1kHz. Overload point 47mV @ 1kHz. Cartridge load 47kΩ + 100 pF	Construction:	Meridian black or silver finish in metal & glass
MC option:	Sensitivity adjustable 38-210μV rms for 5cm/s @ 1kHz. Cartridge load 220Ω + 10nF	Dimensions:	Width: 440mm (17.32in); Depth: 350mm (13.78in) plus connectors; Height: 90mm (3.54in)
Tuner:	AM (Long/Medium Wave, 150-285/525-1605 kHz); FM (VHF Band II, 87.5-108 MHz), sensitivity 2.0μV. Configurable channel spacing & de-emphasis for US/EUR/ Japan, etc	Rack Mounting:	Kit available from Meridian authorized dealers
Inputs:	7 unbalanced on phono, 0.5-2.5V rms (impedance 20kΩ) in four steps	Weight:	13.5 kg (29.7 lbs)
Main Output:	2 outputs, 100W per channel into 8Ω	Controls:	Front-panel soft keys include control of Source, Copy, Mute, etc. Power and Display buttons, volume control. Full remote control of all features via MSR+. Meridian Comms, IR in, RS232, USB
Pre Output:	2 unbalanced on phono, 0-3V rms maximum, 47Ω impedance	Trigger:	12V trigger output allows switching of external devices
Tape Output:	2 unbalanced on phono, 1.5V rms, 47Ω impedance	Display:	Multi-character dot-matrix Vacuum Fluorescent Display
		Power:	Versions: 100, 110, 115, 220, 230, 240 Vac, 50/60Hz. Standby 12VA, Idle 50VA, Both channels driven 326VA



The G51 receiver is the perfect choice for the heart of a compact, integrated analogue system. With the addition of a CD player such as the G07, and third-party passive analogue speakers, it's all you need for high quality stereo listening.

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The two channel amplifier includes the latest power amp developments from Meridian, utilised in the flagship DSP8000 digital loudspeaker systems.

The amplifiers feature active bias control throughout, with thermal sensing that carefully manages the temperature and current flow at different volume levels. Fully DC-coupled, the signal path contains no capacitors, while those in the power supplies are audiophile grade components.

The amplifiers are of a unique low-feedback design for minimum transient and interface intermodulation distortion, offering superb clarity and transparency right across the audible range, with an output impedance that is close to zero and delivers a solid 100W continuous mean

power per channel into 8Ω suitable for virtually any high-quality passive loudspeaker system.

The amplifier, when in standby mode, maintains a standing voltage on the power rails, reducing the time taken for optimum performance to be delivered after power-up from tens of minutes to virtually instantaneous.

Two sets of outputs per channel are provided on sturdy binding posts colour-coded for easy reference. The output terminals are connected to the amplifiers by Van den Hul silver-strand cable to avoid signal losses.

In addition to the main outputs, a stereo headphone socket is provided on the rear panel for personal listening, A 'speaker off' facility is also included.

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