



G57

2-Channel Power Amplifier



About the G Series

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

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.

Designed to be either free-standing or rack-mounted, G Series components feature multi-layer circuitboards to reduce system noise and improve performance. In products which include video capabilities, broadcast-quality, wide-bandwidth video components are employed for maximum image integrity.

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.

Although Meridian is today best-known for its award-winning digital loudspeakers and processors, it is a company that has grown from analogue roots, and indeed, superb analogue circuit design and implementation are important parts of all Meridian products.

The G Series power amplifiers offer the ideal way to interface G Series components to conventional loudspeakers made by other manufacturers. They include the latest power amp developments from Meridian, utilised in their flagship DSP8000 digital loudspeaker systems, and share many common design parameters. In all cases, pairs of channels can be bridged for additional output and flexibility, and the amplifiers in the range are gain-matched to further add to the possibilities when building a system.

The Meridian G57 is a solid, reliable, 2-channel unit, delivering a powerful 200W continuous mean power per channel into 8Ω, or up to a full kilowatt bridged into 4Ω.

The amplifier modules feature a symmetrical design with fully electronically-balanced inputs. Both balanced and unbalanced inputs are provided, but in fact the unbalanced inputs are converted to balanced before they enter the amplifier itself, using Meridian's proprietary 'superbal' technology.

The discrete active input components are thermally and electrically matched in pairs, and the amplifiers feature active bias control

Product highlights

Based on the unique DSP8000 amplifier

2 x 200W continuous amplification – ideal for the most demanding music systems or theatre applications

Can be bridged to 1kW for the ultimate in passive theatres

May be combined with the G55 for 7.1 theatres

Unique ultra-low-feedback design for superb overall sound

Capacitor-free signal path for fast, accurate bass

Remote trigger/standby operation, eg from G65 or 861

Standby mode maintains voltage rails for instant warm-up

Balanced/unbalanced inputs

Full DC/thermal protection

Control for fan on G Series rack kit



G57 Rear Panel

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 distortion, offering superb clarity and transparency right across the audible range, with an output impedance that is extremely low and suitable for virtually any high-quality third-party passive loudspeaker system.

Trigger and other control signals are optically isolated from the amplifier itself. When in standby mode, a standing voltage is maintained on the power rails and supply components. As a result, you do not have to wait for half an hour after switching on for optimum performance to be achieved: it is there at once.

Two sets of outputs are provided per channel for bi-wiring, etc, on sturdy binding posts colour-coded for easy reference and capable of handling large-diameter high-quality loudspeaker cables. The output terminals are connected to the amplifiers by Van Den Hul silver-strand cable to avoid signal losses.

The amplifier can be operated in bridge mode by actuating a switch on the rear panel, in which case the left channel input becomes the input for the bridged pair and the inner output terminals are bridged, power being derived from the outer terminal pairs (see rear panel).

The amplifiers include electronic protection

reset by power-cycling, with full DC and thermal protection.

A front-panel indicator shows when the amplifier is in standby. When the unit is activated, an LED illuminates for each channel. In the event of thermal overload, the main indicator goes red and the channel lights go out, showing that the unit is off-line. A pushbutton on the front panel can be used to take the unit in and out of standby, while flexible 5–30V AC/DC trigger capability allows amplifier power to be controlled remotely along with the rest of a system.

Outline Specifications

Power Output

2 channels at 200W into 8Ω, or 1 channels at >650W into 8Ω (bridge mode), ~1000W into 4Ω

Distortion

Less than 0.01% input to output

Signal/Noise

Better than –100dB

Inputs

Balanced on XLR-3F connectors and unbalanced on phono

Outputs

2 output sets per channel, terminal posts

Construction

Dual-mono construction. Four pairs of output devices and four audiophile-grade PSU smoothing capacitors per channel. Ultra low impedance error-corrected output stage. DC coupled, with no capacitors in the signal path. Soft start and thermal management in main assembly. Optimised magnetic design based on DSP8000. Meridian black or silver finish in metal & glass

Dimensions

Width: 440mm (17.32in); Depth: 350mm (13.78in) plus connectors; Height: 132mm (5.20in)

Rack Mounting

Kit available from Meridian authorized dealers

Weight

20 kg (44 lbs)

Controls

Rear-panel power switch; per-channel switches for balanced or single-ended input; Bridge/Stereo mode switch

Trigger

Wide voltage-range (5–30V, AC/DC) trigger input for remote standby/on switching

Display

Power/Fault indicator and per-channel operation LEDs

Power

Versions: 100, 110, 115, 220, 230, 240 Vac, 50/60Hz.
Standby 17VA, Idle 48VA, Both channels driven 600VA