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.

The G Series power amplifiers offer the ideal way to interface G Series components to third-party passive loudspeakers. 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 G55 is a five-channel unit, and delivers a solid 100W continuous mean power per channel into 8Ω. Ideal for home theatre and multichannel music applications, G55 is delicate enough for pinpoint Trifield imaging yet delivers all the brute force you need for action movies.

Special attention has been paid to ensuring that the amplifiers can deliver the power that’s required at any given moment. Massive twin low-noise toroidal power transformers provide power to no less than 25 selected pairs of output devices, carefully temperature-controlled for optimum operating characteristics and efficiency.

**Product highlights**

- Based on the unique DSP8000 amplifier
- 5 x 100W continuous amplification ideal for theatre and multichannel music applications.
- Unique ultra-low-feedback design for superb overall sound
- Capacitor-free signal path for fast, accurate bass
- Remote trigger/standby operation
- Can be triggered from G65 or 861
- Standby mode maintains voltage rails for instant warm-up
- Balanced/unbalanced inputs
- Full DC/thermal protection
- Bridge Mode
- Same rack-mount kit as G65
- Controls the fan assembly in the racking kit
The result is a clear, open sound with detail as well as punch where it's required — at any volume level from a string quartet at midnight to Metallica at high noon.

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.

The discrete active input components are thermally and electrically matched in pairs. The amps feature active bias control throughout, with thermal sensing carefully managing 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 have electronic protection, reset by power-cycling, and include 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 is also provided to fully integrate power cycling into the overall system.

Outline Specifications

Power Output
5 channels at 100W into 8Ω, or 2 channels at >300W into 8Ω (bridge mode)

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
25 pairs of 15amp output devices and 68,000µF of audiophile-grade PSU smoothing capacitors. 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
23 kg (51 lbs)

Controls
Rear-panel power switch; per-channel switches for balanced or single-ended input; Bridge/Stereo mode switches on channels 1 and 5

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 31VA, Idle 58VA, 5 channels driven 748VA

www.meridian-audio.com