

# G02 Balanced Dual Mono Control Unit



**True balanced dual mono construction delivers exceptional stereo performance**

**Balanced and unbalanced inputs and outputs for maximum flexibility**

**Input level trim to match different sources**

**Unique dual-differential volume control**

**Trigger output for external device control**

**Optional MC or MM phono stage**

**Separate left and right channel boards and signal paths**

**Based on over 25 years of analogue system design experience**

*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.*

Meridian has a strong reputation for preamps, and the G02's predecessor, the 502, was no exception. Building on the success of the 502, the Meridian G02 is a true dual-mono analogue control unit/preamplifier with an extremely high-quality power supply for ultra-low noise and distortion. Featuring a fully-balanced signal path throughout, it is an ideal complement for the G Series power amplifiers and is particularly suited to those who wish to maintain a balanced, analogue signal path at the very highest quality of reproduction.

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, whether their inputs and outputs are analogue or digital.

Balanced operation has always been preferred in the professional audio industry, as it can significantly reduce hum and noise and make the system immune to interference.

The G02 brings this philosophy to the G Series. Including both a preamplifier and controller, the G02 dual-mono control unit provides no less than seven two-channel analogue inputs. Four of these – nominally designated Aux, Radio, TV and VCR (though these designations can be changed) – are unbalanced; while the remaining three – CD, Tape and Disc – offer balanced inputs on XLR connectors.

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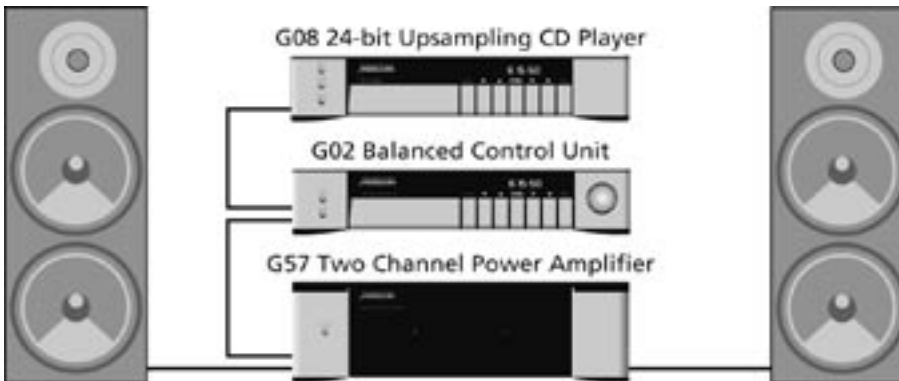
# G02 Balanced Dual Mono Control Unit



G02 rear panel – silver model shown

## Outline Specifications

<p><b>Distortion:</b> Less than 0.01% input to output</p> <p><b>Signal/Noise:</b> Better than -96dB CCIR (1V output, normal input) Better than -70dB for MM input, -60dB for MC.</p> <p><b>MM option:</b> Sensitivity adjustable 0.5–17mV rms for 5cm/s @ 1kHz. Overload point 47mV @ 1kHz. Cartridge load 47k<math>\Omega</math> + 100 pF</p> <p><b>MC option:</b> Sensitivity adjustable 38–210<math>\mu</math>V rms for 5cm/s @ 1kHz. Cartridge load 220<math>\Omega</math> + 10nF</p> <p><b>Inputs:</b> 4 unbalanced on phono, 0.5–2.5V rms in four steps, impedance 20k<math>\Omega</math> 3 balanced on XLR-3F, 0.5–2.5V rms in four steps, impedance 20 k<math>\Omega</math>, bi-phase</p> <p><b>Main Outputs:</b> 1 unbalanced on phono, 0–3V rms maximum, 47<math>\Omega</math> impedance; 1 balanced on XLR-3M, 0–3V rms bi-phase, 47<math>\Omega</math> impedance</p> <p><b>Copy output:</b> 2 unbalanced on phono, 1.5V rms, 47<math>\Omega</math> impedance Can be configured as 1 balanced output</p>	<p><b>Comms:</b> Two 5-pin 240° DIN sockets, BNC socket, RS232 and USB comms interfaces</p> <p><b>Construction:</b> Two-channel dual-mono construction. Audiophile-grade components used throughout. Large low-field ultra-linear power supply. Meridian black or silver finish in metal &amp; glass</p> <p><b>Dimensions:</b> Width: 440mm (17.32in); Depth: 350mm (13.78in) plus connectors; Height: 90mm (3.54in)</p> <p><b>Rack Mounting:</b> Kit available from Meridian authorized dealers</p> <p><b>Weight:</b> 8.5 kg (18.7 lbs)</p> <p><b>Controls:</b> Front-panel soft keys include control of Source, Copy, Mute, Display, etc. Power button, volume control. Full remote control of all features via MSR+. Meridian Comms, IR in, RS232, USB</p> <p><b>Trigger:</b> 12V trigger output allows control of power amps, etc</p> <p><b>Display:</b> Multi-character dot-matrix Vacuum Fluorescent Display</p> <p><b>Power:</b> Versions: 100/115, 220/240 Vac, 50/60Hz, 9.6VA</p>
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The internal architecture of the G02 is balanced throughout, and the first thing that happens to an unbalanced input is that it is electronically balanced for maximum quality throughout the signal chain.

The 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.

The disc (turntable) input can be specified for either moving coil or moving magnet cartridge operation with the addition of appropriate factory-fitted phono modules. The sensitivity of each input can be individually adjusted as desired.

Two sets of unbalanced stereo tape outputs are

included on the rear panel, allowing maximum flexibility in the configuration of tape/decoder loops and multi-room capabilities. The outputs can be configured as a single balanced output with a suitable break-out cable.

Two sets of main outputs are provided: the primary outputs are balanced on XLR Male connectors, while auxiliary unbalanced outputs are also included on phono connectors. All audio interface connectors are gold plated for maximum transparency.

System setup in the G02 can be configured via the serial link, which can also be used for remote control applications.

The G02 control unit forms the perfect heart of a high-quality balanced analogue stereo system such as that shown above.

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*Further technical details, images, product reviews and company history are available from Meridian Audio or from our web site, [www.meridian-audio.com](http://www.meridian-audio.com)*

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