

# C50 10-channel Power Amplifier

10-channel amplification with bi-wire capability, for Meridian or third-party passive loudspeakers



*C50 rack-mount 10-channel power amplifier*

Meridian's C Series offers a range of robust, precision-made audio/video components designed with the custom installation market in mind, extending Meridian's strong reputation for the highest possible audio and video quality into new areas.

The line includes power amplifiers, surround processors and all the building-blocks of a powerful system for custom installation applications. All are fitted with rack-mounting ears and are equipped with remote control capability where appropriate.

The elegant matte-black rack-mount enclosures include a removable, transparent front panel inset which can be removed for access.

The Meridian C50 is a ten-channel power amplifier designed for installation applications. It features an innovative new Class D amplifier design which produces minimal heat, even at high power outputs, as well as delivering extremely high audio quality.

The amplifier design offers a very low output impedance and a load-independent frequency response that is flat up to 20kHz and falls off slowly above that. THD and noise are extremely low and effectively independent of frequency.

The C50 features an unbalanced input on gold-plated phono connector, and a balanced input via XLR3-F connector, for each channel plus a pair of gold-plated terminals per channel. Each channel will deliver 100 watts into 8 ohms or 160W into 4 ohms.

A temperature-controlled fan output is provided to operate 12v fan systems. An industry standard trigger input is also provided, suitable for AC or DC operation in the range 5–30V.

Behind the transparent smoked front-panel inset, blue LEDs indicate power and per-channel operation.

Where higher levels of power output are required, a similar 5-channel unit is also available, the C59, offering per-channel power outputs of 200W into 8Ω or 360W into 4Ω.

**10-channel power amplifier for installation applications**

**10 x 100W/8Ω (160W/4Ω) power amps**

**Flat, load-independent frequency response**

**Very low THD + Noise**

**Very low output impedance**

**Attractively-finished 2U rack-mount form-factor**

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**MERIDIAN**<sup>®</sup>

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## C50 10-Channel Power Amplifier



C50 front and rear panels



## Outline Specifications

### C50 Rack-mount 10-Channel Power Amplifier

Audio output	10 x 160W into 4Ω / 10 x 100W into 8Ω
Frequency response	+0/-3dB, 10Hz-50 kHz
Output impedance	20-150mΩ, 1-20kHz
THD+Noise	Typical: 0.1% @ 60W output, 0.008% @ 1W
Inputs	10 x Mono unbalanced (phono) impedance 10 kΩ 10 x Mono balanced (XLR3-F)
Outputs	Twin pairs of gold-plated binding posts per channel
Other connections	Temperature controlled 12v fan output (3.5mm jack) 5-30V ac/dc trigger input (3.5mm jack)
Indicators	Blue LED power indicator Per-channel blue LED operation indicator
Power	100-240Vac, 30-1200VA, rear panel switch
Dimensions	Main enclosure 435 x 82 x 250 mm (17.25 x 3.25 x 9.75 in) W x H x D Front panel 485 x 87.5 x 12 mm (19 x 3.45 x 0.5 in) W x H x D
Weight	TBC kg (xx lb)

Meridian Audio reserves the right to amend product specifications at any time.

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