

# 258 EIGHT CHANNEL POWER AMPLIFIER



## OVERVIEW

The Meridian 258 is our dedicated rack-mount Eight Channel Power Amplifier. This powerful, high performance, cool-running Class D amplifier is suitable for a wide range of applications and delivers >100W per channel into 4Ω or >70W per channel per channel into 8Ω\*.

At only 1U high, the compact 258 is a category changing amplifier; bringing Meridian high resolution sound quality to every zone it powers.

## PRODUCT HIGHLIGHTS

- Featuring a highly efficient, cool and fanless construction, the Meridian 258 provides a truly 'fit and forget' solution when driving multiple zones. Its compact chassis also takes up minimal space in-rack, measuring just 1U high.
- An audiophile approach has been taken to the 258's component selection, resulting in a level of performance typically associated with power amplifiers offered at a significantly higher price.
- The adoption of an advanced linear power supply provides excellent isolation from the AC supply for superior sound quality.
- The Meridian 258's short signal path delivers signal purity, while multilayer circuit boards provide the best electromagnetic performance.
- A ground plane design has also been chosen for optimal signal handling.



REAR PANEL LAYOUT

## CONSTRUCTION

The featured high efficiency (>95%) Class D amplifiers produce very little heat. In conjunction with the aluminum construction, the 258 is a cool-running and stackable solution.

A new linear power supply has also been selected to provide isolation from the AC supply and offer both sound quality and intrinsic durability.

- **Separate reservoir capacitors** – offers the advantages of a multiple-mono construction in a compact package. This keeps signal paths very short and improves isolation between channels.
- **High performance components** – multilayer circuit boards with ground planes combined with audiophile-grade components deliver a category-leading quality of sound.

Following any mains power outage, the amplifier will revert to its previous power state. This is useful when the amplifier is located in inaccessible locations.

## SPECIFICATION

\*One channel driven at 10% THD

AUDIO OUTPUTS	<ul style="list-style-type: none"> <li>• &gt;70W into 8Ω per channel*</li> <li>• &gt;100W into 4Ω per channel*</li> <li>• Eight Phoenix connectors supplied for ease of installation 12AWG/20A capacity</li> </ul>
AUDIO INPUTS	<ul style="list-style-type: none"> <li>• Eight RCA inputs</li> </ul>
FREQUENCY RESPONSE	<ul style="list-style-type: none"> <li>• 20Hz-40kHz +/-0.5dB into 4Ω</li> </ul>
CONTROL	<ul style="list-style-type: none"> <li>• REAR PANEL: Trigger input [3.5mm 5-30 VDC]</li> <li>• FRONT PANEL: On/Off Switch</li> </ul>
DISPLAY	<ul style="list-style-type: none"> <li>• LEDs to indicate 'Standby' [Blue], 'On' [White], 'Overload' [Red]</li> </ul>
POWER	<ul style="list-style-type: none"> <li>• Advanced linear power supply: 100V ac 50/60 Hz   110-120V ac 50/60Hz   220-240V ac 50/60Hz</li> </ul>
DIMENSIONS	<ul style="list-style-type: none"> <li>• HEIGHT: 44mm [1.73in] [1U in-rack]</li> <li>• WIDTH: 480mm [18.9in] [Full width in-rack]</li> <li>• DEPTH: 360mm [14.17in]</li> <li>• WEIGHT: 5.5Kg [12.13lbs]</li> </ul>
CONSTRUCTION	<ul style="list-style-type: none"> <li>• All aluminium construction</li> <li>• Optional standalone feet pads supplied</li> </ul>