

800 ACTIVE RACK MOUNTING SYSTEM FOR 800 SERIES



OVERVIEW

The Meridian 800 Series active rack mounting system is designed to allow all 800 Series components to be installed in a standard 19in rack in a 5 unit high space. The system is designed to allow the simple rack mounting of Meridian 800 series products used in home audio, home cinema and commercial applications. It also optionally allows serial control and audio/video connections to the component to be brought out to the front panel for configuration and for interfacing devices such as camcorders and PCs. The system allows a trim panel to be used for a professional finish. With two integrated ultra-quiet intake fans triggered by a thermal sensing unit, the Active Rack Mounting System helps to ensure that all Meridian 800 Series products can perform at high levels.

PRODUCT HIGHLIGHTS

- Allows rack mounting of 800 Reference Series components with optimum inter-unit spacing.
- Supplied as standard with 800/861 rack-mount versions.
- Dual ultra-low-noise, thermally-activated fans keep rack interior and component cool.
- Provides front-panel access to serial and audio/video interfaces.
- Sturdy metal construction designed to support the weight of Meridian 800 series products.
- Finished in matte black with matching trims.

PRODUCT DETAIL

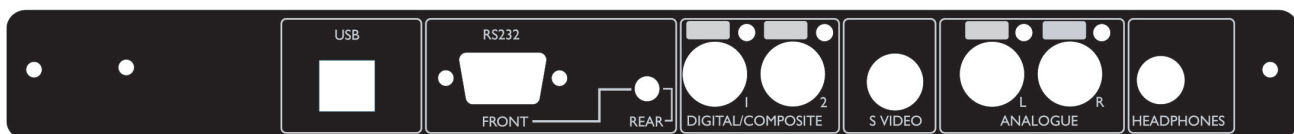
The mounting kit includes a trim panel which fits above the unit. With this in place, the complete assembly occupies 5U (222.25mm or 8.75in). The sturdy matte-black-coated steel chassis is specially designed to safely support the weight of 800 Series units. The chassis tray includes two ultra-quiet intake fans, each 15mm thick. The fans feature 12V DC operation and are powered by the trigger output of the 800 Series component. The fans are controlled by a thermal sensing circuit and are only engaged when necessary.

INSTALLERS GUIDE

An 800 Series component ordered with the rack-mounting option is supplied already mounted in the racking kit to protect it in transit. Before you begin the installation, remove the unit from the racking kit and place it to one side. If you wish to use the front panel to access the rear-panel connectors, attach extension cables (not supplied) to the internal connectors in the tray. After installation, connect these to the appropriate rear panel sockets on the component.

Install the chassis tray in the rack, with four bolts. Present the component to the rack tray, lifting the unit back into place. The rear of the component will rise up on to the small rear ramps provided, while holes near either end of the front underside of the fascia should be engaged (by lifting the front of the unit) on to the two pins provided at the front of the racking tray. Note: if you have an older rack-mounting component, these holes will not be present. In this case, you will need to remove the pins from the front lip of the racking tray. Two optional screws may then be inserted through holes in the rear underside of the chassis to lock the unit in place. These screws will not normally be required, but can be fitted if desired for additional safety, for example on board a marine vessel. Once the unit has been installed as described above, the extension cables are connected to the desired receptacles on the rear panel of the component.

The fans are powered by running a cable between J2 on the rack kit PCB (mono mini-jack, 3.5mm two-pole) and a TRIGGER OUT connector on the component ('DC-style' barrel socket). Programme the trigger to HIGH. Three suitable 'DC-style' connectors are provided with the unit. Provision is made for serial connection for configuration and remote control, and a switch is provided on the front panel to select between front and rear RS232 connectors – for example the front panel connector may be used for initial system configuration and then the rear connector switched in for integration with an external serial control network. Two RCA phono sockets are provided for connection of composite video or digital audio (S/PDIF coax) and two more for two channels of analogue audio – all of which have a writing strip for labelling of the socket function. An S-Video mini-DIN is also provided, along with a standard 1/4in stereo headphone output jack. All audio/video connectors are gold-plated. After installation, the trim panel may be installed.

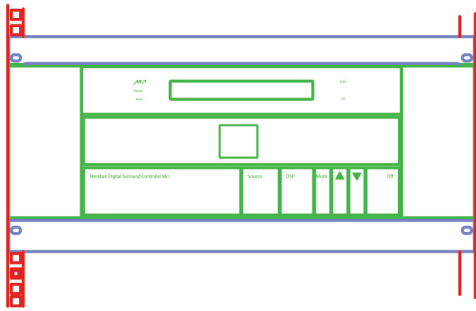


Front panel of the rack mount kit showing serial interfaces, two RCA phono connectors that can be connected to either digital audio or composite video signals, S-Video, two analogue audio phono connectors and a 1/4in headphone out.

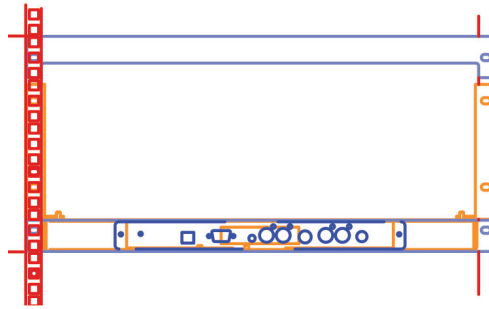
REAR PANEL LAYOUT

SPECIFICATION

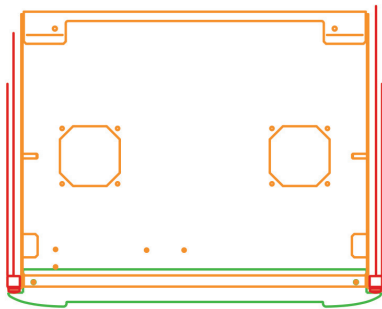
FRONT VIEW



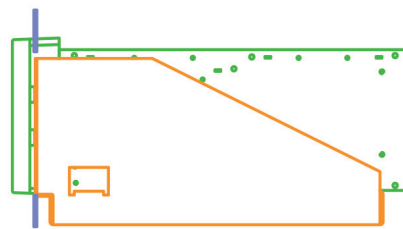
BACK VIEW



TOP VIEW



SIDE VIEW



Drawing of the racking kit and product, showing the racking strips in red, the component in green, the rack tray in orange, the trim panel in light blue and the front panel in purple.

AUDIO/VIDEO CONNECTORS

- USB (unused) and RS232 (DB9) connectors, the latter with front/rear switch
- 2 x RCA phono connectors with labelling strip, for S/PDIF coax or composite video interfaces
- S-Video mini-DIN connector
- 2 x RCA phono connectors with labelling strip, for two channels of analogue audio
- Stereo A-type 1/4in headphone socket
- All audio/video connectors gold-plated

CONSTRUCTION

- Mild steel finished in matte black

DIMENSIONS/WEIGHT

- HEIGHT: 222.25mm [8.75in] with fascia panels installed
- WIDTH: 480mm [19in]
- DEPTH: 347mm [13.7in]
- WEIGHT: 3.78kg (8.3lb)

POWER

- 12v DC (for fans) (J2), supplied by TRIG output on rear panel of installed component. Programme trigger to HIGH and connect with 'DC-style' barrel connector to mono 3.5mm jack lead from trigger out to J2 on the rack PCB