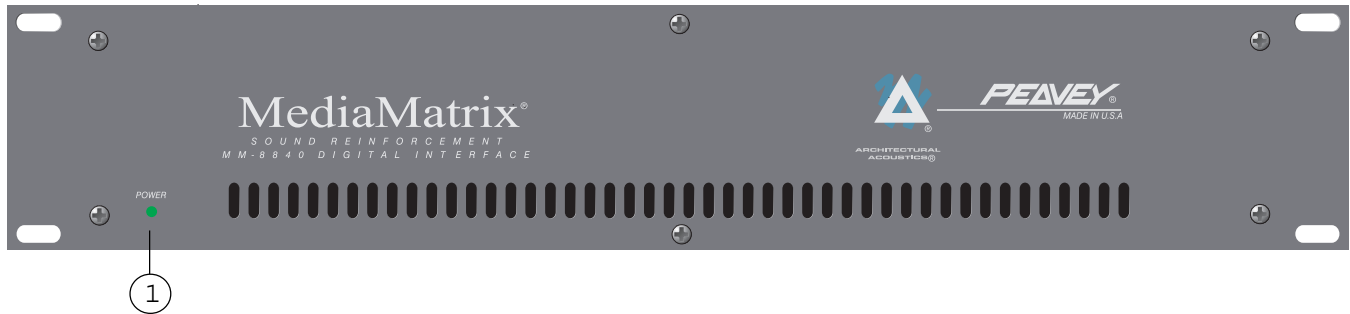


MediaMatrix®



BoB Interface Features

- **Eight balanced audio inputs and eight balanced audio outputs, each utilizing 18-bit converters to transfer audio data to and from the MediaMatrix system.**
- **Eight analog control inputs that may be used to control a device in a MediaMatrix view.**
- **Eight digital control outputs that may be used to drive external TTL logic level devices.**
- **A digital interface, 9-pin D-type connector.**

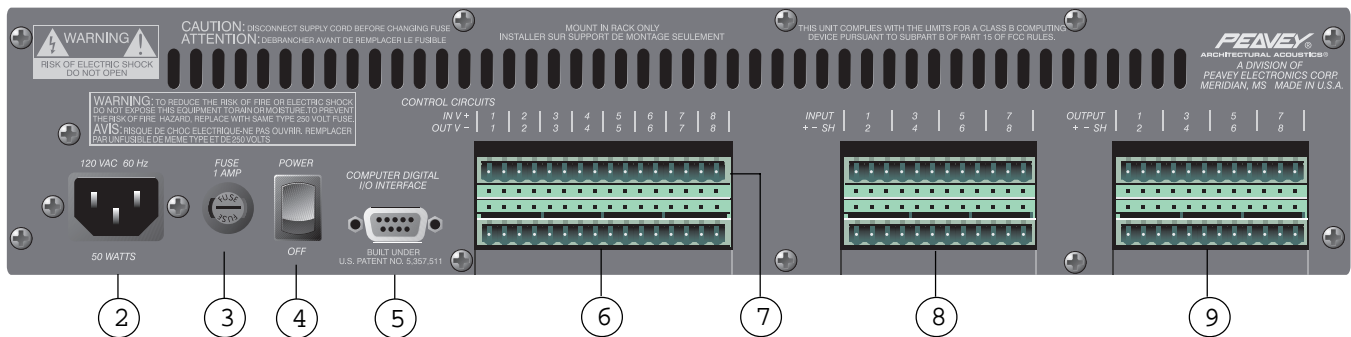
The MediaMatrix® MM-8800 series Break-Out-Box (BoB) provides the means of interconnection between the MediaMatrix MainFrame, MiniFrame or X-Frame, and other components of the audio system.

FRONT PANEL

POWER LED (1)

Illuminates when AC power is being supplied to the unit.

Rear Panel:



REAR PANEL

IEC LINE CORD INPUT (2)



Provided to accept the removable AC line cord.

FUSE (3)



WARNING: THE FUSE SHOULD ONLY BE REPLACED WHEN THE POWER CORD HAS BEEN DISCONNECTED FROM ITS POWER SOURCE.

CAUTION: USING A FUSE LARGER THAN THE RECOMMENDED SIZE COULD RESULT IN PERMANENT DAMAGE TO THE UNIT.



The fuse is located within the cap of the fuseholder. If the fuse should fail, IT MUST BE REPLACED WITH THE SAME TYPE AND VALUE IN ORDER TO AVOID DAMAGE TO THE EQUIPMENT AND TO PREVENT VOIDING THE WARRANTY. If the unit repeatedly blows fuses, it should be taken to a qualified service center for repair.

POWER SWITCH (4)

Switch to "On" position to turn on. The red LED will illuminate indicating power is being supplied to the unit.

COMPUTER DIGITAL I/O INTERFACE (5)

Connect the 9-pin D-type BoB cable here. This cable provides the link to the MediaMatrix system.

CONTROL CIRCUIT OUTPUTS (6)

These are TTL level outputs, switchable from within a MediaMatrix view. There are two electrical connections per channel; the right connection is the ground interface and the left connection is the TTL level output. See the *Wiring Connections* section for Control Output circuit examples.

CONTROL CIRCUIT INPUTS (7)

The inputs provide the means of controlling a device within a MediaMatrix view. There are two electrical connections per channel. See the *Wiring Connections* section for Control Input circuit examples.

AUDIO INPUTS (8)

Each of these eight channels is a balanced analog audio input to the MediaMatrix system. See the *Wiring Connections* section for Audio Input wiring examples.

AUDIO OUTPUTS (9)

Each of these eight channels is a balanced analog audio output from the MediaMatrix system. See the *Wiring Connections* section for Audio Output wiring examples.

SPECIFICATIONS

SYSTEM SPECIFICATIONS

Maximum Input Level:

+18 dBu or +24 dBu

Input Impedance:

Greater than 12K ohms for +18 dBu full scale
Greater than 15K ohms for +24 dBu full scale
Electronically Balanced

Maximum Output Level:

+16 dBu, +12 dBu, +18 dBu, or +24 dBu
(600 ohm load)

Output Impedance:

200 ohms, electronically balanced

Power Requirements:

Domestic: 120V AC, 60 Hz, 50W
Export: 230V AC, 50/60 Hz, 50W

Dimensions & Weight:

3.5" H x 19" W x 11.25" D (excluding connectors)
17 lbs.

Included Accessories:

IEC Line Cord
6' BoB Cable
(2) 16-position Phoenix-type connectors
(4) 12-position Phoenix-type connectors

ANALOG TO DIGITAL CONVERTER

MM-8830: 18-bit, 64x oversampled, 32 kHz sample rate
MM-8840: 18-bit, 64x oversampled, 44.1 kHz sample rate
MM-8848: 18-bit, 64x oversampled, 48 kHz sample rate

Frequency Response:

MM-8830: ± 1.0 dB, 20 Hz to 16 kHz
MM-8840: ± 0.5 dB, 20 Hz to 20 kHz
MM-8848: ± 0.5 dB, 20 Hz to 20 kHz

Signal-to-Noise Ratio:

MM-8830: Greater than 96 dB
MM-8840: Greater than 98 dB
MM-8848: Greater than 100 dB

Crosstalk:

MM-8830: Greater than 95 dB
MM-8840: Greater than 95 dB
MM-8848: Greater than 97 dB

Total Harmonic Distortion:

MM-8830: Less than 0.01% at 1 kHz
MM-8840: Less than 0.01% at 1 kHz
MM-8848: Less than 0.01% at 1 kHz

DIGITAL TO ANALOG CONVERTER

MM-8830: 18-bit, 64x oversampled, 32 kHz sample rate
MM-8840: 18-bit, 64x oversampled, 44.1 kHz sample rate
MM-8848: 18-bit, 64x oversampled, 48 kHz sample rate

Frequency Response:

MM-8830: ± 1.0 dB, 20 Hz to 16 kHz
MM-8840: ± 0.5 dB, 20 Hz to 20 kHz
MM-8848: ± 0.5 dB, 20 Hz to 20 kHz

Signal-to-Noise Ratio:

MM-8830: Greater than 92 dB
MM-8840: Greater than 95 dB
MM-8848: Greater than 96 dB

Crosstalk:

MM-8830: Greater than 91 dB
MM-8840: Greater than 94 dB
MM-8848: Greater than 95 dB

Total Harmonic Distortion:

MM-8830: Less than 0.01% at 1 kHz
MM-8840: Less than 0.01% at 1 kHz
MM-8848: Less than 0.01% at 1 kHz



*Due to our efforts for constant improvements,
features and specifications listed herein are subject to change without notice.*