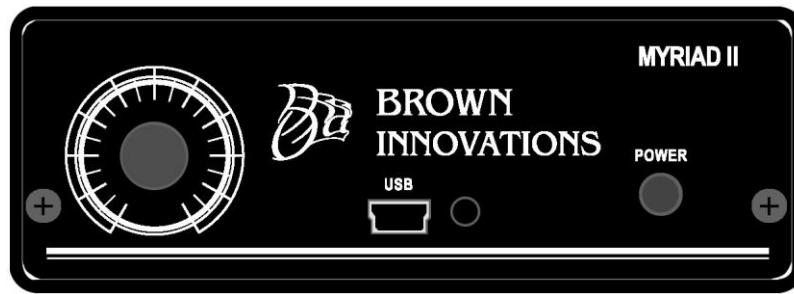


The Myriad

DSP Amplifier

Technical Information



A compact, low power audio amplifier that utilizes DSP(Digital Signal Processing) to control and process audio.

Performs as a conventional amplifier or utilize an internal SD memory card.

Audio playback can be controlled using the built in function control or an optional multi-push button or sensor option.

Audio processing possibilities include equalization, time delay, compression, soft clipping, normalization, etc. USB

connection provides communication with a PC for programming, uploading audio and firmware updates.

Audio Playback

Play any analog audio through the single RCA input.

Digital audio can be transferred via USB onto the internal SD card in Wave 48K format.

Nominal Output Power and Impedance

The Myriad amplifier uses a class D switching amplifier. This design is very efficient, minimizing the amount of power needed to create a high output.

15 watts continuous per channel into 6Ω

30 watts peak per channel into 6Ω

Control

Volume: Digital Encoder with push button

Multi-button and Sensory input: available through expansion options.

Connections

Audio In: Single RCA, input impedance $5k\Omega$

Speaker Output: Removable 3 conductor screw terminal block.

Microphone Input: Two 3.5 mm (3 conductors) jack with 1.5V phantom power supply for Bii electret microphone, input impedance $2.2k\Omega$ (Available with SmartVolume add-on.)

USB: 2.0 Full Speed (12Mb)

Internal SD Memory card: 1 to 32 GB

Internal expansion Slot: utilizes optional function boards to provide multiple inputs for control.



Physical Dimensions

1.6"H x 4.125"W x 4.5"D (4.1 x 10.5 x 11.5cm)

Weight

8.3 oz (.24kg) (without wall pack power supply)

Shipping Weight: 2lbs. (1kg)

Power Supply

12 to 20 Vac or 18 to 30Vdc 30 watt min.

17 Vac 1.25 Amp 120 Vac wall pack supplied

100 Vac and 220 Vac available on request

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