



MDA SERIES

DIGITAL AMPLIFIERS



MDA4800



MDA4500



MDA4125

The new MDA4000 Series of FBT power amplifiers combines a full 4x4 matrix with DSP in a flexible class-D power platform. Its compact and lightweight design makes it suitable to be used as a multi-zone application in small to medium-scale installations either in a stand-alone mode or in complex centralized audio systems. This series offers three 4-channels models: MDA4125, MDA4500 and MDA4800, with a respective total power of 500W, 2000W and 3000W in either Hi-Z or Low-Z output configuration. The MDA Series can meet the requirements of every speaker system, giving a dynamic listening experience and a more satisfying environment to be in. Also, FBT custom speaker libraries help the installer make the configuration workflow easy and quick.

All models offer multiple analog and digital input options, built in wireless access point, wired LAN connection and programmable

control inputs that can be used for remote control.

The Onboard Browser-Based Interface, built with the FBT intuitive user interface, makes it easier to control, configure and monitor the amplifier from a smartphone, tablet, or PC directly via web browser. There is no need to download a dedicated app since the user can easily communicate with the device via Ethernet port or built-in WiFi. The WiFi connection allows secure ID and password protection from unauthorized access. Moreover, advanced users will appreciate the custom IP settings allowed by the Ethernet connection, useful for a more complex wired LAN. The browser-based network interface also makes remote service and troubleshooting easier since a technician can simply log in with remote access from their PC or mobile device.

MDA4800



MDA4500



MDA4125



COMMON FEATURES

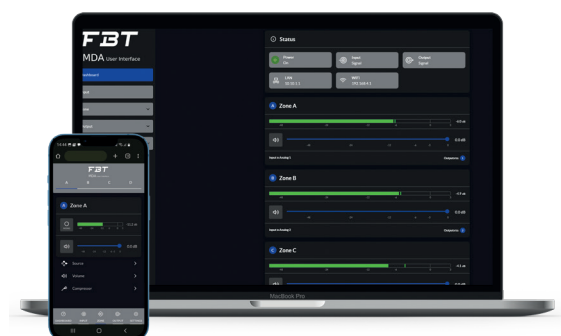
- Multi-channel Class D power amps with direct drive both high-impedance (70V/100V line) or low-impedance (4/8/16Ohm)
- 4 Balanced/unbalanced analog inputs
- 4 Speaker outputs
- SPDIF Digital I/O used to connect other compatible equipment or to digitally expand the system
- 8-pins GPIO interface adds standard remote control features
- 100/1000 BASE-T Ethernet Network Connection
- 4-channel DSP configuration, including: Input processing, Zone Processing, Output and Speaker Processing
- Noise masking for offices and medical facilities
- Integrated webserver and intuitive browser-based User Interface
- Onboard WiFi Access Point
- Automatic power sharing
- Automatic Stand-by mode
- Universal power supply with PFC
- Cooling fan speed temperature controlled
- Energy Star Compliant

TECHNICAL SPECIFICATIONS

MODELS	MDA4125	MDA4500	MDA4800
Code	466064	46065	46066
Channels	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z	4 x Lo-Z / 2 x Hi-Z
Output Power Lo-Z single channels driven (Ch 1 + Ch3)	2x 250W - 4 Ohm (Power Share) 2x 250W - 8 Ohm (Power Share)	2x 500W - 2.7 Ohm 2x 500W - 4 Ohm 2x 250W - 8 Ohm	2x 800W - 2.7 Ohm 2x 800W - 4 Ohm 2x 400W - 8 Ohm
Output Power Lo-Z all channels driven	4x 125W - 4 Ohm 4x 125W - 8 Ohm	4x 500W - 2.7Ohm 4x 500W - 4Ohm (2x1000W BTL mode) 4x 250W - 8Ohm (2x1000W BTL mode)	4x 750W - 2.7Ohm 4x 750W - 4Ohm (2x1500W BTL mode) 4x 400W - 8Ohm (2x1500W BTL mode)
Output Power Hi-Z all channels driven	2x 250W - 70V 2x 250W - 100V*	2x 1000W - 70V 2x 1000W - 100V	2x 1200W - 70V 2x 1500W - 100V
Total System Power	500W	2000W	3000W
Output Voltage	70Vp / 140Vpp (unloaded) Bridged 140Vp / 280 Vpp (unloaded)	85Vp / 170Vpp (unloaded) Bridged 170Vp / 340Vpp (unloaded)	85Vp / 170Vpp (unloaded) Bridged 170Vp / 340Vpp (unloaded)
Amplifier Topology	Class D PWM modulator with ultra-low distortion	Class D PWM modulator with ultra-low distortion	Class D PWM modulator with ultra-low distortion
S/N ratio	>106dB (A-weighted, 20Hz-20kHz, 80hm load)	>106dB (A-weighted, 20Hz-20kHz, 80hm load)	>106dB (A-weighted, 20Hz-20kHz, 80hm load)
THD+N (typical)	< 0.05% (20Hz-20kHz, 80hm load 3dB below rated power)	< 0.05% (20Hz-20kHz, 80hm load 3dB below rated power)	< 0.05% (20Hz-20kHz, 80hm load 3dB below rated power)
Frequency response	20Hz-20kHz +0/-0.25dB (80hm load, 3dB below rated power)	20Hz-20kHz +0/-0.25dB (80hm load, 3dB below rated power)	20Hz-20kHz +0/-0.25dB (80hm load, 3dB below rated power)
Protection Circuits	Short circuit protection. DC protection. Under voltage protection. Temperature protection. Overload protection	Short circuit protection. DC protection. Under voltage protection. Temperature protection. Overload protection	Short circuit protection. DC protection. Under voltage protection. Temperature protection. Overload protection
Cooling	Dynamically controlled force cooling	Dynamically controlled force cooling	Dynamically controlled force cooling
Power Supply	Universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter	Universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter	Universal mains switch mode power supply with Power Factor Correction (PFC) and standby converter
Operating Voltage	Universal Mains, 100V-240V, 50Hz-60Hz	Universal Mains, 100V-240V, 50Hz-60Hz	Universal Mains, 100V-240V, 50Hz-60Hz
Power Consumption	150W	700W	700W
Standby Consumption	<0.5 W	<0.5 W	<0.5 W
Operating temperature	0-40°	0-40°	0-40°
Accessories (optional)	Rack Mount Kit, Wall Mount Kit	---	---
Dimensions (WxHxD)	44 x 220 x 320mm / 1.73 x 8.66 x 12.59"	88 x 440 x 320mm / 3.46 x 17.32 x 12.59"	88 x 440 x 320mm / 3.46 x 17.32 x 12.59"
Weight	2.20 kg / 4.85 Lb	7.40 kg / 16.31 Lb	7.40 kg / 16.31 Lb

*100V line mode operates at 90V (~-1dB).

All features and specifications can be subject to change without notice.





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