

AmpTraXX™

Sixteen Channel Amplifier
Model AX16M



AUDIO PLAYBACK

AmpTraXX gives you a total of 400W RMS into sixteen channels of amplification and DSP in a compact chassis. Specially designed for vehicle applications, it's a perfect companion to RideTraXX 16-channel solid-state audio playback system.

FEATURES:

- ▶ No Moving Parts
- ▶ Compact Size
- ▶ 16 Channels x 25W Each
- ▶ Bridge-able Outputs for 50W Operation
- ▶ DSP
- ▶ Stereo/Mono Mixing
- ▶ Vibration Resistant Hardware
- ▶ Energy Efficient Design

APPLICATIONS:

- ▶ Theme Park Ride Vehicles
- ▶ Multi-lingual Transportation Systems
- ▶ Tour Buses

AmpTraXX is the perfect solution for any vehicle-based system that requires up to 16 amplified, DSP configured audio channels. Applications include theme park ride vehicles, multi-lingual transportation systems, and tour buses.

Each AmpTraXX channel can provide up to 25W RMS into 8 ohms and independent DSP capability, including a 9-band EQ, dynamic range and compression control (DRC), as well as gain and stereo/mono mixing capability. Channel pairs can also be bridged to provide 50W if more power is required.

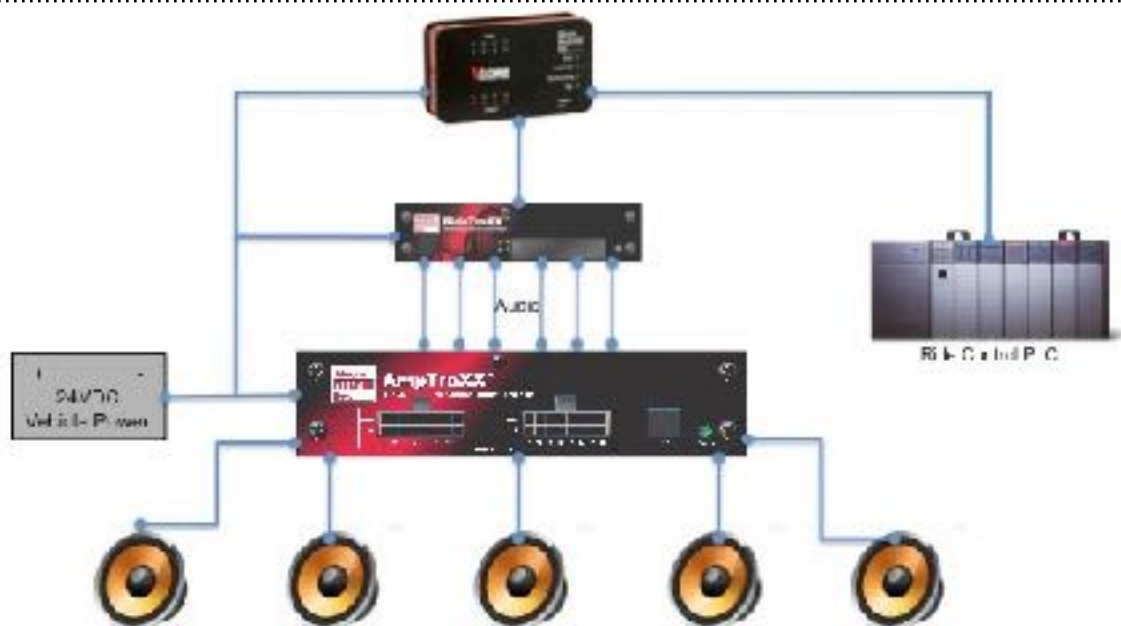
AmpTraXX is programmed using an easy to use software included with each unit.

Setup is simple: select a channel, click on the DSP element you want to program and type in the desired frequency or gain settings.

All settings are non-volatile, and the USB and serial interfaces can also be used for on-the-fly volume and mute adjustments for installations equipped with a control system.

AmpTraXX can even be controlled directly from a RideTraXX, eliminating the need for an external control system altogether.

Each amplifier is completely protected against short-circuit and overdrive events, and all inputs and outputs are on vibration-resistant, locking connectors to guarantee years of maintenance-free operation. A dual-color LED constantly displays the status of the unit.



**Alcorn
McBride
Inc.**

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PRODUCT SPECIFICATIONS

Power Output Per Channel:	25W; Power input 24VDC
	15W; Power input 18VDC
	9W; Power input 12VDC
	50W (8 Channels, bridged pairs); Power input 24VDC
THD+Noise:	0.07%; 1W, 18VDC
Signal-to-Noise Ratio:	106 dB
Crosstalk:	-69 dB
Input Type:	Unbalanced (2x Molex Mini-Fit; Female RCA breakout cable included)
Input Impedance:	10 k Ohm (Minimum each leg to ground)
Frequency Response:	20-20 kHz (No DSP EQ)
Maximum Level SOA:	4 volts p-p
Output Connectors:	2x Molex Mini Fit (16GA wired breakout harness included)
On/Off Transient Muting:	Yes, active "depop" circuitry built-in
Short Circuit Protection:	Over-current
Thermal Characteristics:	Automatic over-temperature shutdown
User Controls:	
Soft Reset	Resets Microprocessor
Reset Factory Defaults	Restores all channel settings to factory defaults
Firmware Update	Causes unit to wait for firmware update
Program Enable	All commands are stored non-volatile
Bridge Enable	8xDIP switch enable channel pair bridging
Signal Present Indicators:	0.003 volts p-p, Green LEDs
Power/Status Indicator:	Front panel red-green LED
Serial Connector:	DB9 Male & Phoenix screw terminals
Serial Protocol:	EIA232 38400 N,8,1
Serial Control Capabilities:	Individual channel volume, DSP Configuration, etc.
Volume/EQ Set:	Stores the current volume and EQ levels; Switchable on-off
Volume Adjust Disable:	Disables front volume controls; Switchable on-off
Input Voltage:	9-26VDC
Under/Over Voltage Protection:	<7VDC or >26VDC
Input Current/Connector	22A Max/Molex 0039301040
Agency Compliance:	CE

Physical

Power:	400 Watts max
Power Connector:	Barrel connector (2.5 mm x 5.5 mm x 10 mm)
Operating Temperature:	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
Size:	7" W x 1.5" H x 11" D (17.75 cm W x 4.45 cm H x 28 cm D), 1U half rack
Weight:	4 lbs. (1.8 Kg)
Environment/Shock:	0-90% relative humidity, non-condensing/20 g max vibration
Power Supply Compliance:	CE, UL Class 2 Supply

