

# RideAmp

Model RIDEAMP-350Q

Rugged High-Powered On-Board Audio Amplifier



## AUDIO

RideAmp-350Q is a high-powered audio amplifier that is purpose-built for on-board applications like dark rides, coasters, trams, and parades. Specially designed for vehicle applications, it's a perfect companion to RidePlayer.

### FEATURES:

- ▶ No Moving Parts
- ▶ Compact Size
- ▶ 4-Channel x 350W Amplification
- ▶ Bridge to 700W
- ▶ AES67/Dante Network Audio Input
- ▶ DC-Powered (24V or 48V)
- ▶ Vibration-Resistant Design

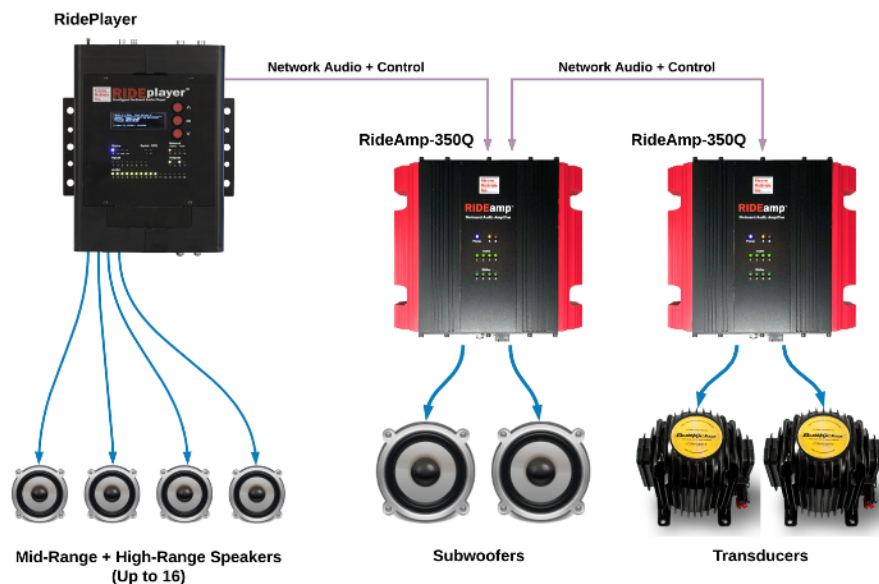
### APPLICATIONS:

- ▶ Theme Park Ride Vehicles
- ▶ Transportation Systems
- ▶ Parades

This is the industry's first high-powered audio amplifier that has been specifically designed for vehicles used in themed attractions. It provides 4-channels of amplification capable of delivering a formidable 350W of output power per channel. Want to breath a little extra life into those large subwoofers or bass transducers? Simply bridge outputs to achieve up to 700W of bone-crunching output power.

When combined with the incredible capabilities of RidePlayer, our RideAmp products deliver features never before seen in a vehicle amplifier. This includes Dante/AES67 network audio input for all-digital signal distribution, protecting your audio experience from the electrical noise introduced by the motors and actuators in the vehicle.

RideAmp delivers the performance and quality of a professional amplifier from a compact and rugged package that's tough enough to survive a coaster. Vibration-resistant design, efficient DC power input, locking gain knobs, rugged connectors, and flexible mounting options make this product ideal for even the toughest on-board audio applications.



**Alcorn  
McBride  
Inc.**

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### PRODUCT SPECIFICATIONS

#### Control

<b>Indicators</b>	Power Network - Link/Activity Audio - Signal/Mute Status - Amp OK, Protect, High Temp, Clipping
<b>Config Switches</b>	24V/48V DC Power Input
<b>Network Control*</b>	Amp Enable/Disable Mute Enable/Disable
<b>Network Monitoring*</b>	Amp Status Power Status Clipping <i>*RidePlayer network audio connection is required</i>

#### Audio

<b>Speaker Outputs</b>	4 x Speaker Outputs (8-pin Molex) 48VDC - 4 x 350W @ 4 Ohms (bridgeable to 700W @ 8 Ohms) 24VDC - 4 x 250W @ 4 Ohms (bridgeable to 500W @ 8 Ohms)
<b>Minimum Load</b>	Standard - 2 Ohms Bridged - 4 Ohms
<b>Network Audio</b>	4 Input AES67/Dante Interface (4x0) 100/1000 BaseT (2 x M12 X-Coded) Internal switch to support daisy-chaining RideAmp units
<b>Analog Inputs</b>	4 x Balanced Inputs (1 x 12-pin Molex) 10k Ohm Input Impedance
<b>Gain Control</b>	4 x Industrial-grade locking potentiometers
<b>Frequency Response</b>	3Hz - 45kHz
<b>S/N Ratio</b>	>113dB
<b>THD+N</b>	<0.005%

#### Physical

<b>Size</b>	10.6"L x 9.2"W x 4.4"H (270mm x 234mm x 112mm)
<b>Weight</b>	10.3 lbs (4.67 kg)
<b>Power</b>	20-52VDC 48VDC @ 18A 24VDC @ 36A
<b>Fuses</b>	2 x 20A/80V ATO-FKH Blade Fuses
<b>Environment</b>	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
<b>Mounting</b>	Surface-Mount - Compatible with JL Audio MHD600/4 mount points
<b>Compliance</b>	WEEE, RoHS

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