

RideAmp

Model RIDEAMP-350Q

Rugged High-Powered On-Board Audio Amplifier



ONBOARD 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

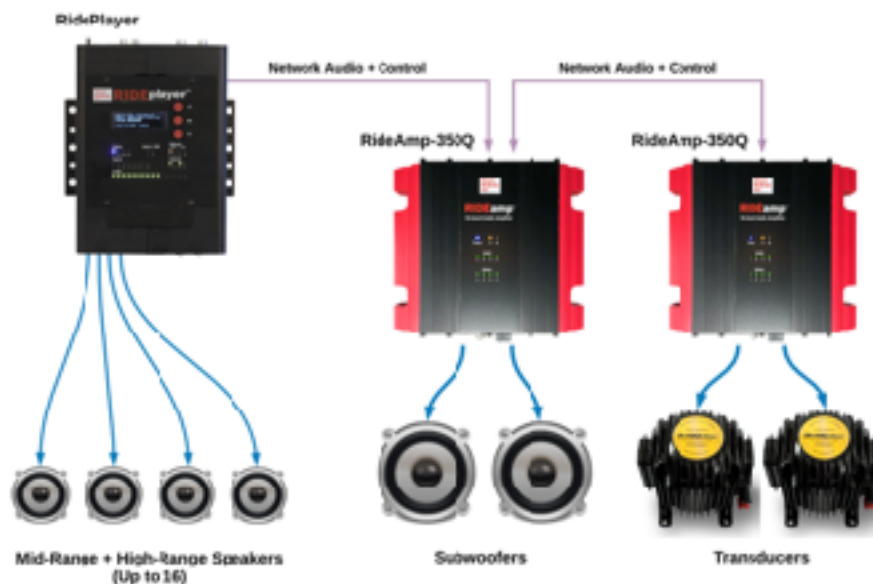
APPLICATIONS:

- ▶ 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

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

Audio

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

Physical

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

