

# RideAmp

Model RIDEAMP-25H

Rugged 16-Channel On-Board Audio Amplifier



## ONBOARD AUDIO

RideAmp-25H is a 16-channel 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
- ▶ 16-Channel x 25W Amplification
- ▶ Bridge to 50W
- ▶ AES67/Dante Network Audio Input
- ▶ DC-Powered (12V or 24V)
- ▶ Vibration-Resistant Design

### APPLICATIONS:

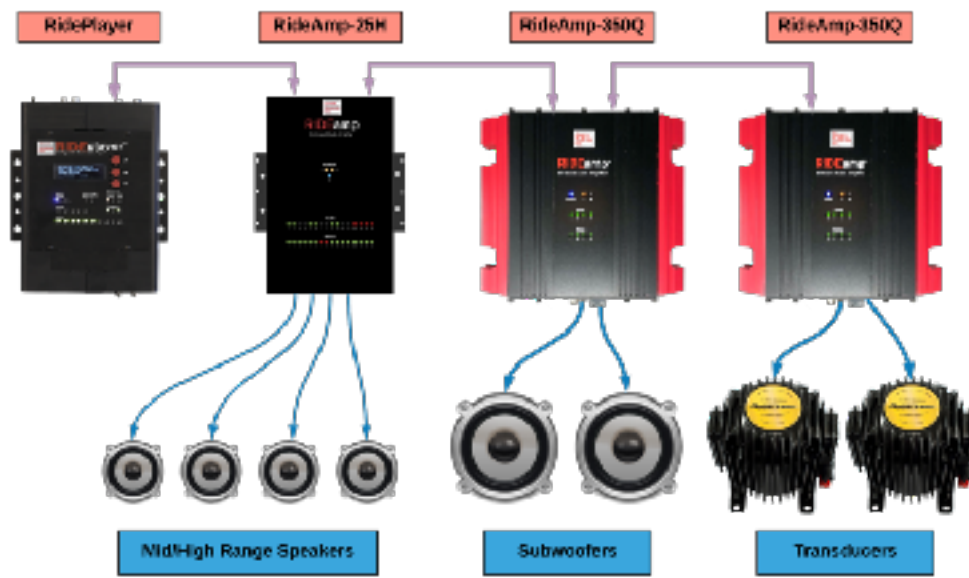
- ▶ Theme Park Ride Vehicles
- ▶ Transportation Systems
- ▶ Parades

As part of our suite of RideAmp products, RideAmp-25H has been uniquely designed for vehicles with many discrete audio sources. It provides 16-channels of amplification capable of delivering 25W of output power per channel. For a little extra kick, these channels can also be bridged to deliver 50W. This makes it an excellent choice for driving mid-range and high-range speakers, as well as other audio-based equipment such as haptics or transducers.

Need more juice? Check out this product's big brother; RideAmp-350Q. With 4-Channel x 350W, it can help you crank out some serious decibels!

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.

Vibration-resistant design, efficient DC power input, rugged connectors, and flexible mounting options make RideAmp ideal for even the toughest on-board audio applications.



**Alcorn  
McBride  
Inc.**

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Model RIDEAMP-25H

Rugged High-Powered On-Board Audio Amplifier



## ONBOARD AUDIO

### PRODUCT SPECIFICATIONS

#### Control

<b>Indicators</b>	Power Network - Link/Activity Audio - Signal/Mute Status - Amp OK, Protect, High Temp, Clipping
<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>	16 x Speaker Outputs (2 x 16-pin Molex) 24VDC - 16 x 25W @ 8 Ohms (bridgeable to 50W @ 8 Ohms) 12VDC - 16 x 15W @ 4 Ohms (bridgeable to 30W @ 8 Ohms)
<b>Minimum Load</b>	Standard - 2 Ohms Bridged - 4 Ohms
<b>Network Audio</b>	16 Input AES67/Dante Interface (16x0) 100/1000 BaseT (2 x M12 X-Coded) Internal switch to support daisy-chaining RideAmp units
<b>Frequency Response</b>	3Hz - 45kHz
<b>S/N Ratio</b>	>113dB
<b>THD+N</b>	<0.005%

#### Physical

<b>Power</b>	9-26VDC @ 20A Max
<b>Fuse</b>	20A/80V ATO-FKH Blade Fuse
<b>Size</b>	11"L x 7.1"W x 1.75"H (280mm x 180mm x 45mm)
<b>Weight</b>	3 lbs (1.36 kg)
<b>Environment</b>	0°C (32°F) to 38°C (100°F) 0-90% Relative Humidity
<b>Mounting</b>	Surface Mount (SMK-1) Vibration-Resistant Surface Mount (VSMK-1) Dual-Stacked Vibration-Resistant Surface Mount (VSMK-2)

