RIDEamp

Model RIDEAMP-250Q

High-Powered 4-Channel On-Board Audio Amplifier

RideAmp-250Q 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 255W Amplification
▸ Bridge to 500W
▸ AES67/Dante Network Audio Input
▸ DC-Powered (24V or 48V)
▸ Vibration-Resistant Design

APPLICATIONS:
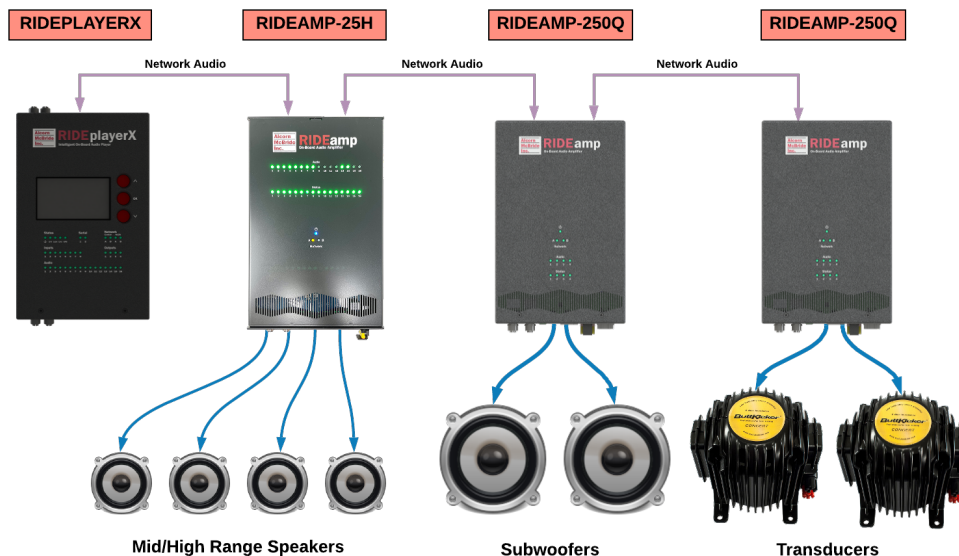
▸ Dark Ride Vehicles
▸ Coasters
▸ Transportation Systems
▸ Parades

As part of our suite of RideAmp products, RideAmp-250Q has been uniquely designed for vehicles with high-powered audio devices. It provides 4-channels of amplification capable of delivering a formidable 255W of output power per channel. Want to breath a little extra life into those large subwoofers or bass transducers, just bridge outputs to achieve up to 500W of bone-crunching output power.

If your looking for more discrete channels, check out this product's little brother; RideAmp-25H. It delivers 16-channels at 25W of output power each, making it the ideal choice for driving mid-range and high-range speakers, as well as haptics or transducers.

When combined with the incredible capabilities of RidePlayerX, 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.
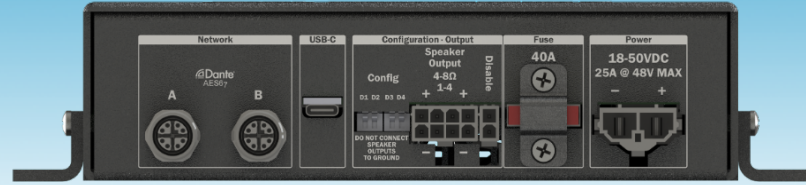
RIDEPLAYERX	RIDEAMP-25H	RIDEAMP-250Q	RIDEAMP-250Q

Network Audio   Network Audio   Network Audio

Mid/High Range Speakers   **Subwoofers**   **Transducers**

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
Network Monitoring*	Temperature, Fan Status, Audio Clipping, Input Voltage, Connection Status
	RidePlayerX network audio connection is required

Audio

Speaker Outputs	4 x Speaker Outputs (1 x 8-pin Molex)
	Non-Bridged Mode - 4 x 255W @ 4 Ohms (1% THD), 4 x 150W @ 8 Ohms (1% THD)
	Bridged Mode - 2 x 500W @ 2 Ohms (1% THD), 2 x 290W @ 4 Ohms (1% THD)
Minimum Speaker Impedance	Non-Bridged - 4 Ohms
	Bridged - 2 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
Gain Control	Digital Control (Default 0dB)
External Disable	Yes
Frequency Response	10Hz - 22kHz (+/- 1dB)
S/N Ratio	>111dB (A Weighted)
Output Noise	<85uV (A Weighted)
THD+N	<0.006% at 1W into 4-Ohms and <0.01% to Clipping

Physical

Power	18-50VDC
	48VDC @ 25A Max
	24VDC @ 40A Max
Fuse	40A/80V ATO-FKH Blade Fuse
Size	11.55"L x 7"W x 1.9"H (294.5mm x 177.8mm x 48mm)
Weight	4.2 lbs (1.9 kg)
Environment	0°C (32°F) to 45°C (113°F)
	0-90% Relative Humidity
Mounting	**SMK** - Single Unit Surface Mount (**Included**)
	VSMK-1 - Single Unit Surface Mount Kit /w Vibration Dampening
	VSMK-2 - Dual Unit Surface Mount Kit /w Vibration Dampening

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Specifications subject to change without notice.