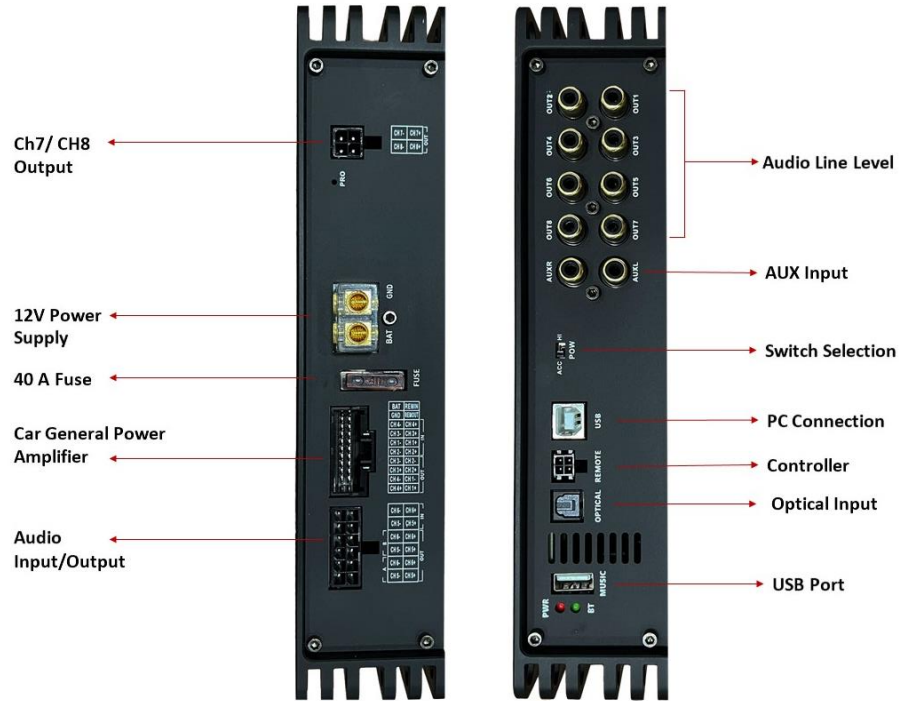


SYSTEM 2 BRIDGED CONNECTION SUBWOOFER



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ALCHIMIST
Lossless Sound Car Series | Compact Design & Solid Output



More than your Passion!

18 CHANNEL CLASS AB CAR AMPLIFIER

AD18H - 1260

Operating and Installation Instructions

USAGE INSTRUCTIONS:

Before using our product, please read the user manual carefully. This will help you use it safely and effectively.

When driving, please do not operate the device, in order to ensure safe driving. We recommend using voice control or manual control functions.

If you repair the device yourself, it may affect the safety and quality of the device.

Please do not let the device come into contact with moisture or high temperature.

SAFETY NOTES:

1. When driving, please do not operate the device. This may endanger the driver and others.
2. Please do not disassemble or repair the device by yourself, unless you are a professional.
3. Please do not let the device come into contact with moisture or high temperature.

SPECIFICATIONS:

Adjustment Method	Computer Application
Connectivity	Wireless connection (Bluetooth 5.3)
Total Inputs / Outputs	9 inputs / 18 outputs
Negative Signal / Tap Ratio	>98dB
Type	DSP Class AB
Distortion	< 0.01%
Number of EQ	31 Channels
Size	230mm x 200mm x 50mm
Material	Aluminum
Weight	1.6 kg

SYSTEM PLANNING

Proper system planning is the best way to maximize your amplifier performance. By planning your installation carefully you can avoid situations where the performance or the reliability of your system is compromised. Your authorized dealer has been trained to maximize your system's sonic potential. Your dealer is a valuable resource in helping you with your system design and installation.

SPEAKER REQUIREMENTS

Each channel of your amplifier can easily drive 4Ω speaker loads when used in the stereo mode. When a channel-pair is bridged, the recommended minimum load impedance is 3Ω for subwoofer use, and 4Ω for full range operation. Although operation with lower impedances is not likely to cause immediate damage to the internal circuitry, the unit will most likely overheat, causing the thermal protection circuitry to shut down the amplifier.

When the chassis cools down, normal operation will resume. Continuing to operate the amplifier under these conditions is not recommended and will reduce its life expectancy.

Most speakers designed for car audio operation are 4Ω impedance. Connecting two such speakers in parallel will result in a 2Ω impedance load as seen by the amplifier.

Some subwoofer models feature a dual 4Ω voice coil design. Connecting these voice coils in parallel will result in a 2Ω nominal impedance, which is not recommended for use with bridged channels of your amplifier.

