ALCHIMIST

ADA6H-360

User Manual

Combining Android OS with 360W RMS DSP power for smart car audio integration

ADA6H-360 Overview

The Alchimist ADA6H-360 is a 6-Channel Android-Powered DSP Processor designed to deliver exceptional audio performance in automotive environments. Combining Android OS with 360W RMS DSP power for smart car audio integration. Built with premium components and engineered in Germany, the ADA6H-360 represents our commitment to audiophile-grade sound quality.

Key Features

- 6-channel DSP with integrated Android operating system
- WiFi and Bluetooth connectivity for streaming and control
- 360W RMS output for direct speaker driving
- 31-band parametric EQ per channel
- Built-in app ecosystem for music and navigation
- OTA firmware updates via WiFi
- Compact form factor for versatile installation

Box Contents

- 1x DSP processor unit
- 1x Wiring harness with high-level inputs
- 1x USB cable for PC connection
- 1x Remote turn-on wire
- 1x Fuse holder with fuse
- 1x Mounting bracket and hardware
- 1x Quick start guide
- 1x WiFi antenna
- 1x GPS antenna (optional)

Technical Specifications

Parameter	Value
Model	ADA6H-360
Channels	6
Total Power Output	360W RMS
Equalizer	31-Band Parametric EQ per channel
Operating System	Android OS
Sample Rate / Bit Depth	48 kHz / 24-bit
THD+N	< 0.008%
Signal-to-Noise Ratio	> 105 dB
Connectivity	WiFi + Bluetooth
RCA Output Voltage	2V
Input Types	High-level, RCA, WiFi, Bluetooth
Dimensions (W x H x D)	178 x 40 x 130 mm
Weight	1.2 kg

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Installation Guide

Connection Overview

The ADA6H-360 features clearly labeled input and output connectors on the rear panel. Refer to the connection diagram included in the box for a visual guide.

Wiring Steps

1. Disconnect the vehicle battery negative terminal before starting.
2. Mount the ADA6H-360 in a secure, ventilated location (under seat or trunk).
3. Connect the power wire (red) through the included fuse holder to the battery positive terminal.
4. Connect the ground wire (black) to a clean, solid metal chassis point within 18 inches.
5. Connect the remote turn-on wire (blue) to the head unit's remote output or ACC circuit.
6. Connect input sources: high-level speaker inputs from factory head unit, or RCA/optical inputs.
7. Connect the WiFi antenna to the designated port for wireless connectivity.
8. Connect RCA output cables to your amplifier(s) or powered speakers.
9. Reconnect the battery and verify the unit powers on with the ignition.
10. Configure input source and channel mapping using the Alchimist DSP software.
11. Perform initial tuning using the EQ, crossover, and time alignment tools.

Warranty & Support

12-Month Limited Warranty

Your Alchimist ADA6H-360 is covered by a 12-month limited warranty against manufacturing defects from the date of original purchase. Please retain your purchase receipt as proof of purchase for any warranty claims.

Technical Support

- Email: support@alchimists.com
- Phone: +49 (0) 69 123 4567 (Mon-Fri, 9:00-17:00 CET)
- Website: www.alchimists.com/support
- Software Downloads: www.alchimists.com/downloads

Online Resources

Visit www.alchimists.com for the latest firmware updates, tuning software, installation videos, and user community forums. Scan the QR code on the product packaging to access the dedicated support page for your model.

Register Your Product

Register your product at www.alchimists.com/register to receive firmware update notifications, extended support, and exclusive content.