ALCHIMIST

AD10H-700

User Manual

A versatile 700W RMS DSP with wireless connectivity for modern audio systems

AD10H-700 Overview

The Alchimist AD10H-700 is a 10-Channel DSP Processor with Bluetooth 5.0 designed to deliver exceptional audio performance in automotive environments. A versatile 700W RMS DSP with wireless connectivity for modern audio systems. Built with premium components and engineered in Germany, the AD10H-700 represents our commitment to audiophile-grade sound quality.

Key Features

- 10-channel DSP processor with 700W RMS output
- Bluetooth 5.0 for wireless audio streaming
- USB audio input for direct digital connection
- 31-band parametric EQ for precise frequency shaping
- 4V RCA pre-outputs for flexible system configuration
- Compact design for easy installation in tight spaces
- Full PC, Android, and iOS tuning app support

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

Technical Specifications

Parameter	Value
Model	AD10H-700
Channels	10
Total Power Output	700W RMS
Equalizer	31-Band Parametric EQ per channel
Bluetooth	5.0
Sample Rate / Bit Depth	48 kHz / 24-bit
THD+N	< 0.005%
Signal-to-Noise Ratio	> 110 dB
USB Input	USB Audio
RCA Output Voltage	4V
Input Types	High-level, RCA, USB, Bluetooth
Dimensions (W x H x D)	200 x 42 x 150 mm
Weight	1.5 kg

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Installation Guide

Connection Overview

The AD10H-700 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 AD10H-700 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 RCA output cables to your amplifier(s) or powered speakers.
8. Reconnect the battery and verify the unit powers on with the ignition.
9. Configure input source and channel mapping using the Alchimist DSP software.
10. Perform initial tuning using the EQ, crossover, and time alignment tools.

Warranty & Support

12-Month Limited Warranty

Your Alchimist AD10H-700 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.