



ALCHIMIST

AD10K-800

User Manual

Featuring 800W RMS power and integrated karaoke capability for ultimate versatility



AD10K-800 Overview

The Alchemist AD10K-800 is a 10-Channel DSP Processor with Built-in Amplifier and Karaoke Function designed to deliver exceptional audio performance in automotive environments. Featuring 800W RMS power and integrated karaoke capability for ultimate versatility. Built with premium components and engineered in Germany, the AD10K-800 represents our commitment to audiophile-grade sound quality.

Key Features

- 10-channel DSP with built-in 800W RMS Class D amplifier
- Integrated karaoke function with adjustable echo and reverb
- 31-band parametric EQ per channel for precise sound tuning
- Bluetooth 5.0 with aptX HD for high-quality wireless streaming
- 4V RCA pre-out for external amplifier connections
- Compatible with PC, Android, and iOS tuning applications
- OEM integration via high-level speaker inputs

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 Karaoke microphone adapter cable

Technical Specifications

Parameter	Value
Model	AD10K-800
Channels	10 (4 amplified + 6 pre-out)
Total Power Output	800W RMS
Equalizer	31-Band Parametric EQ per channel
Bluetooth	5.0 with aptX HD
Sample Rate / Bit Depth	48 kHz / 24-bit
THD+N	< 0.005%
Signal-to-Noise Ratio	> 110 dB
Special Feature	Karaoke function with echo/reverb
RCA Output Voltage	4V
Input Types	High-level, RCA, USB, Bluetooth
Dimensions (W x H x D)	220 x 45 x 160 mm
Weight	1.8 kg

Installation Guide

Connection Overview

The AD10K-800 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 AD10K-800 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 Alchemist DSP software.
10. Perform initial tuning using the EQ, crossover, and time alignment tools.

Warranty & Support

12-Month Limited Warranty

Your Alchemist AD10K-800 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@alchemists.com
- Phone: +49 (0) 69 123 4567 (Mon-Fri, 9:00-17:00 CET)
- Website: www.alchemists.com/support
- Software Downloads: www.alchemists.com/downloads

Online Resources

Visit www.alchemists.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.alchemists.com/register to receive firmware update notifications, extended support, and exclusive content.