



# ALCHIMIST

## ASW6D-900

### User Manual

*An all-in-one 900W RMS solution combining DSP, amplifier, and a built-in subwoofer*

## ASW6D-900 Overview

The Alchemist ASW6D-900 is a DSP Processor with Integrated 6.5-inch Subwoofer designed to deliver exceptional audio performance in automotive environments. An all-in-one 900W RMS solution combining DSP, amplifier, and a built-in subwoofer. Built with premium components and engineered in Germany, the ASW6D-900 represents our commitment to audiophile-grade sound quality.

### Key Features

- Integrated 6.5-inch subwoofer in a compact sealed enclosure
- 6-channel DSP with 900W RMS total system power
- Space-saving all-in-one design for vehicles with limited trunk space
- 31-band parametric EQ for full system tuning
- Bluetooth and USB connectivity for streaming and PC tuning
- Adjustable bass level via included remote control
- Designed to fit under most vehicle seats

### 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 Bass level remote control
- 1x Under-seat mounting bracket

## Technical Specifications

Parameter	Value
Model	ASW6D-900
Channels	6 + integrated subwoofer
Total Power Output	900W RMS
Equalizer	31-Band Parametric EQ per channel
Built-in Subwoofer	6.5" long-excursion driver
Sample Rate / Bit Depth	48 kHz / 24-bit
THD+N	< 0.005%
Signal-to-Noise Ratio	> 110 dB
RCA Output Voltage	4V
Input Types	High-level, RCA, USB, Bluetooth
Dimensions (W x H x D)	300 x 80 x 220 mm
Weight	4.2 kg

## Installation Guide

### Connection Overview

The ASW6D-900 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 ASW6D-900 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. Mount the unit under the driver or passenger seat using the supplied bracket. Ensure airflow around the unit.
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 Alchemist DSP software.
11. Perform initial tuning using the EQ, crossover, and time alignment tools.

## Warranty & Support

### 12-Month Limited Warranty

Your Alchemist ASW6D-900 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](mailto:support@alchemists.com)
- Phone: +49 (0) 69 123 4567 (Mon-Fri, 9:00-17:00 CET)
- Website: [www.alchemists.com/support](http://www.alchemists.com/support)
- Software Downloads: [www.alchemists.com/downloads](http://www.alchemists.com/downloads)

### Online Resources

Visit [www.alchemists.com](http://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](http://www.alchemists.com/register) to receive firmware update notifications, extended support, and exclusive content.