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ATOTO CA-AEC01

ATOTO CA-AEC01 4-Channel Car Amplifier Instruction Manual

Model: CA-AEC01 | Brand: ATOTO

1. INTRODUCTION

The ATOTO CA-AEC01 amplifier is designed to enhance the audio experience of your ATOTO head unit. This power pack significantly boosts sound quality and power output compared to the built-in amplifier. As a dedicated solution for ATOTO head units, it ensures seamless compatibility, eliminating common issues like feedback and noise often associated with third-party amplifier installations.

A Strong Boost in Your Audio Experience

Takes care of your need for sound quality and power

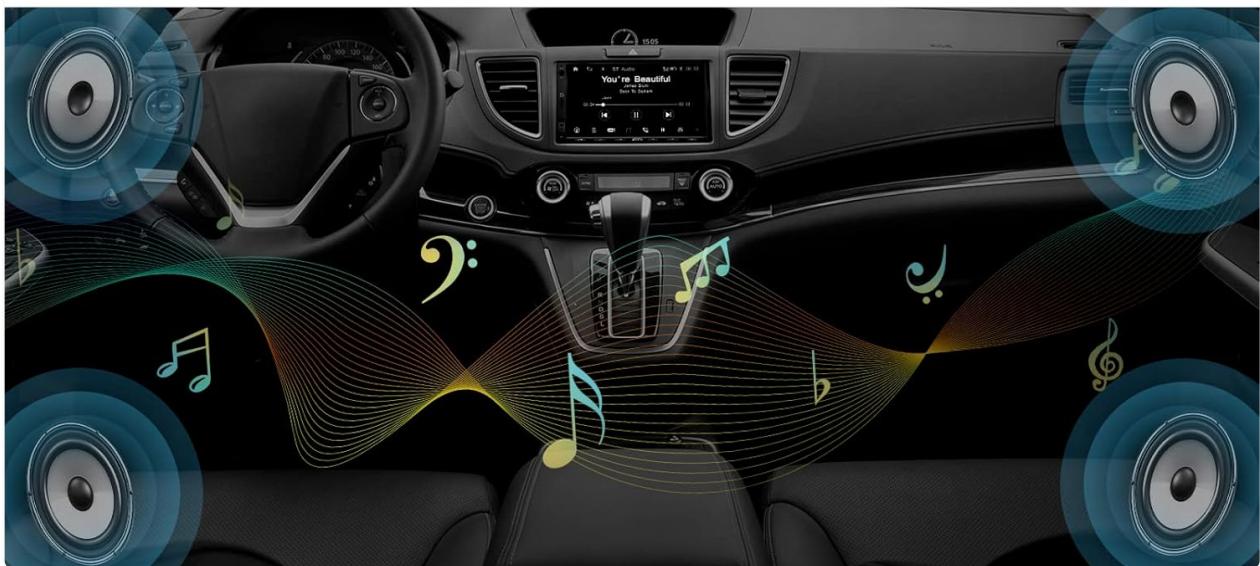
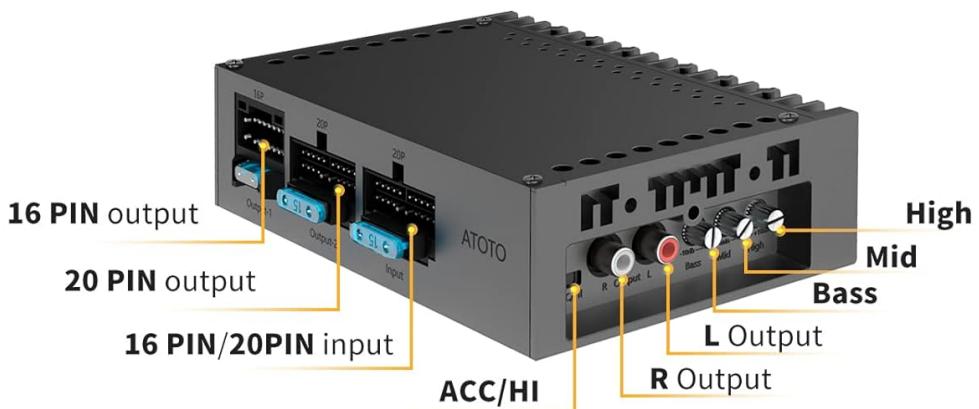


Image 1.1: Overview of the ATOTO CA-AEC01 amplifier, showing input/output ports and EQ adjustment knobs for High, Mid, and Bass frequencies.

A Plug-n-Play Power Pack

No issues such as noise or feedback



Image 1.2: Visual representation of the improved audio experience, contrasting a 'before' image with disturbing noise and an 'after' image with clear, enjoyable music.

2. COMPATIBILITY

The ATOTO CA-AEC01 amplifier is specifically designed for use with selected ATOTO head units. Please verify your head unit's installation style to ensure compatibility.

2.1 Compatible ATOTO Head Unit Installation Styles:

- **UDH07D** (e.g., A6G2A7PF, A6G2B7PF, A6G2C7PF, F7G2A7SE, F7G2A7XE, S8G2A74SD, S8G2A78UL, S8G2A79UP)
- **WDH07D** (e.g., F7TYC7SE, F7TYC7XE, S8TYC74PM)
- **SAH08D/SAH10D** (e.g., F7G1A8PE, F7G1A8XE, F7G110XE, S8G1A84SD)
- **IAH09D/IAH10D** (e.g., A6G209PF, F7G211SE, F7G211XE, S8G2114PM, S8G2119UP, S8G2113LT)

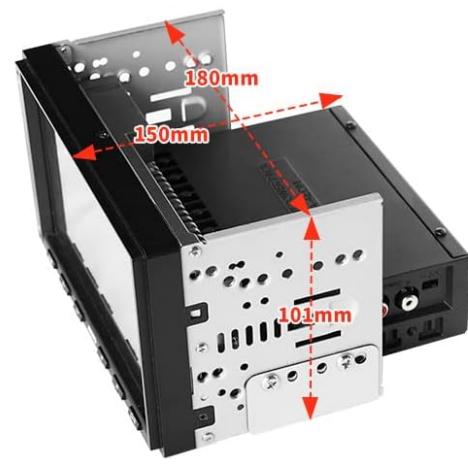
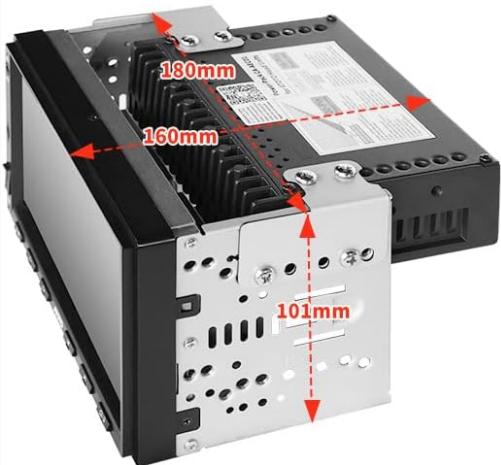
Note: This list is not exhaustive. Refer to your head unit's installation manual for its specific installation style.

2.2 Incompatible Head Units:

- 7-inch head units with a long chassis (e.g., F7G2B7PE, S8G2B74PM)
- Volkswagen specific models (e.g., A6VW09PF, S8VW114SD)

- ATOTO A6Y, A6G2A7KL, YS102SL
- Head units from other brands

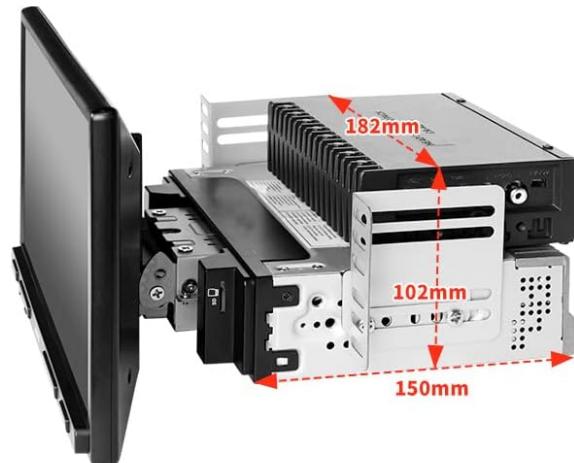
Compatibility Information



UDH07D



IAH09D/IAH10D



SAH08D/SAH10D

Image 2.1: Compatibility information with diagrams illustrating the dimensions and mounting styles for UDH07D, IAH09D/IAH10D, and SAH08D/SAH10D head units.

Compatibility

Only compatible with **ATOTO head units** with installation styles of:



UDH07D including but not limited to

A6G2A7PF, A6G2B7PF, A6G2C7PF, F7G2A7SE, F7G2A7XE, F7G2A7WE, F7G2C7WE, S8G2A74SD, S8G2A78UL, S8G2A79UP



WUDH07D including but not limited to

F7TYC7SE, F7TYC7XE, S8TYC74PM



SAH08D/SAH10D including but not limited to

F7G1A8PE, F7G1A8XE, F7G110XE, S8G1A84SD



IAH09D/IAH10D including but not limited to

A6G209PF, F7G211SE, F7G211XE, S8G2114PM, S8G2119UP, S8G2113LT



NOT COMPATIBLE with head units below:

7-inch head units with a long chassis such as **F7G2B7PE, S8G2B74PM**

Specific Models such as **A6VW09PF or S8VW114SD, ATOTO A6Y**

A6G2A7KL, YS102SL

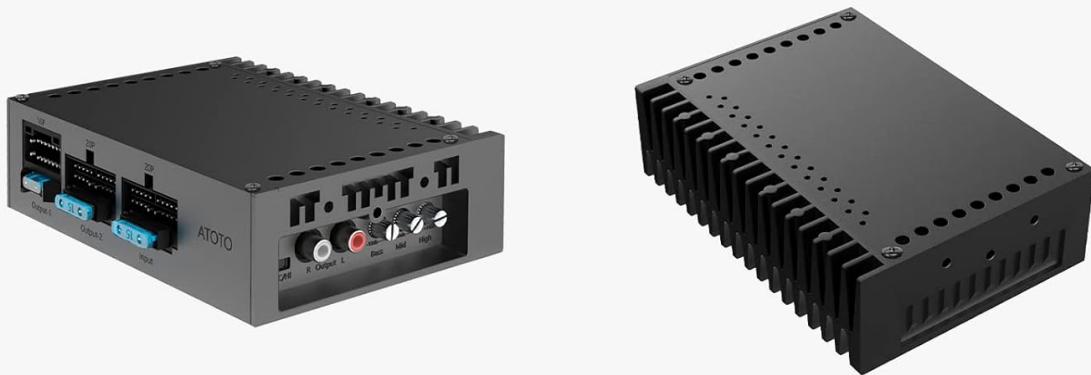
Head units of other brands.

Image 2.2: A detailed list outlining compatible ATOTO head unit installation styles and specific models that are not compatible.

3. PACKAGE CONTENTS

Please check the package for the following items:

- ATOTO CA-AEC01 Amplifier Unit
- Power Cable
- 20PIN to 20PIN Power Cable
- 20PIN to 16PIN Power Cable
- Mounting Screws
- Mounting Brackets



Packing List



Power Cable



20PIN to 20PIN Power Cable



20PIN to 16PIN Power Cable



Mounting Screws



Mounting Brackets

Image 3.1: A visual representation of the complete packing list, including the amplifier, various power cables, mounting screws, and brackets.

4. SETUP AND INSTALLATION

The CA-AEC01 amplifier is designed for easy integration with ATOTO head units. Its compact size allows it to fit within the dashboard opening, maintaining a clean and tidy car interior. The installation process is streamlined, often not requiring a new power supply wire from the battery due to efficient power management technology.

Installation Steps:

1. Step 1: Mount the Amplifier

Tune the car amplifier's EQ settings (Bass, Mid, High) as desired before mounting. Then, mount the amplifier onto the head unit using the provided screws and brackets.

2. Step 2: Connect Input Cable to Head Unit

Identify the power socket on your head unit. If it is 16PIN, use the 16PIN-20PIN cable. If it is 20PIN, use the 20PIN-20PIN cable. Plug the appropriate cable into the head unit's power socket.

3. Step 3: Connect Input Cable to Amplifier

Plug the 20PIN side of the cable (from Step 2) into the input socket on the amplifier.

4. Step 4: Connect Power Cable from Car

Connect the power cable from your car to the amplifier's output socket. Choose either the 20PIN or 16PIN output socket based on your car's power cable configuration.

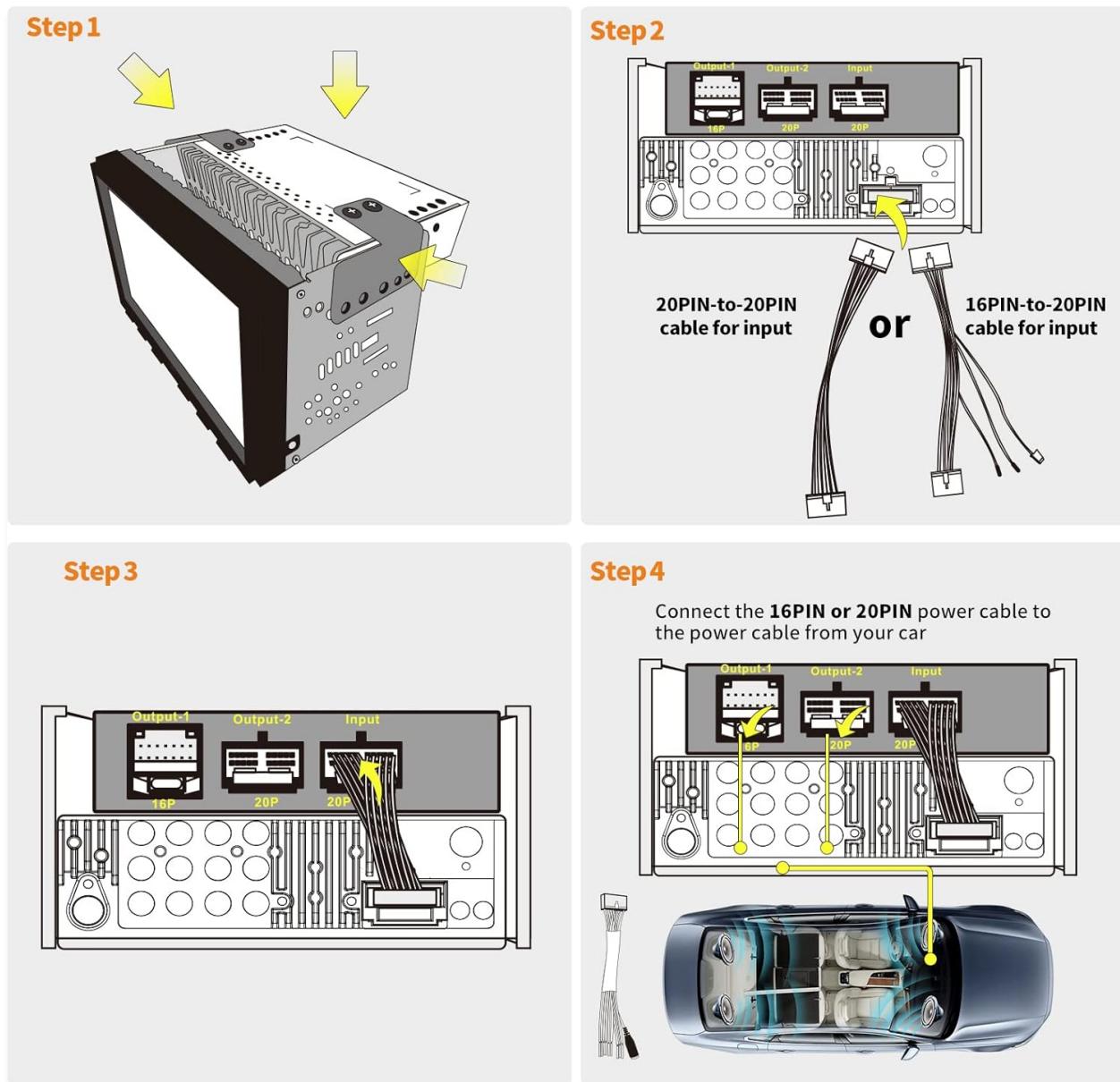


Image 4.1: Step-by-step visual guide for connecting the ATOTO amplifier to the head unit and the car's power system.

5. OPERATING THE AMPLIFIER

The ATOTO CA-AEC01 amplifier features built-in EQ gain adjustment knobs for fine-tuning your audio output. These controls allow you to customize the sound profile to your preference.

EQ Gain Adjustment:

- **Bass:** Adjusts low-frequency sounds.
- **Mid:** Adjusts mid-range frequency sounds.
- **High:** Adjusts high-frequency sounds.

Each band can be adjusted by $\pm 10\text{dB}$. It is recommended to set these before final installation, as they may become less accessible once the unit is fully mounted.

6. SPECIFICATIONS

Feature	Specification
Dimensions (L x W x H)	142mm x 103mm x 41mm
Number of Channels	4ch Speaker + 2ch RCA (FULL frequency range)
Built-in Line Out Converters (LOCs)	Yes
Speaker Impedance (Ohm/Ω)	4Ω (recommended) and 2Ω
Peak/Max. Power at 4 Ohm	240W (4x60W)
Peak/Max. Power at 2 Ohm	400W (4x100W)
RMS Power at 4 Ohm	188W (4x47W)
RMS Power at 2 Ohm	220W (4x55W)
Supply Voltage	10-16V DC
Working Voltage	16V
EQ Gain Adjustment	BASS/MID/HIGH ±10dB
Amplifier Class	Class A/B

7. TROUBLESHOOTING

The ATOTO CA-AEC01 amplifier is designed to minimize common audio issues often encountered with aftermarket installations. Its integrated design with ATOTO head units helps prevent problems such as:

- **Feedback:** The direct plug-in wiring harness helps avoid feedback loops.
- **Noise:** Proper grounding and wiring provided by the original harness reduce unwanted noise.
- **Power Loss:** Short, optimized cable runs minimize resistance and power loss.

If you experience any unexpected audio behavior, please ensure all connections are secure and correctly seated according to the installation steps. Verify that your head unit is compatible with the CA-AEC01 amplifier.

8. MAINTENANCE

To ensure the longevity and optimal performance of your ATOTO CA-AEC01 amplifier, follow these general maintenance guidelines:

- **Keep Clean:** Regularly clean the exterior of the amplifier with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the amplifier's heat sinks are not obstructed to allow for proper heat dissipation.
- **Connections:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Avoid Moisture:** Protect the amplifier from moisture and extreme temperatures.

9. WARRANTY AND SUPPORT

ATOTO provides comprehensive product care for the CA-AEC01 amplifier.

9.1 Warranty Period:

- Standard: 12 Months
- Extended: +6 Months (total 18 months with registration)

9.2 Customer Support:

For any questions, technical assistance, or warranty claims, please contact ATOTO support through the following channels:

- Your order center on the purchasing platform.
- Email: support@atotoglobal.com
- Visit the official ATOTO website for product information and FAQs.

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