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ATOTOZONE A5L

ATOTOZONE A5L Android Single DIN Car Stereo Instruction Manual

Model: A5L

What's in the

Safety Information	Box	Installation	Setup	Operation	Maintenance
					Warranty & Support

Troubleshooting Specifications

Support

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your ATOTOZONE A5L Android Single DIN Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The ATOTOZONE A5L is a compact 5-inch 1280x720 IPS single DIN touchscreen radio featuring wireless CarPlay and Android Auto, dual cameras (1080P DVR Dashcam and 720P Backup Camera), Wi-Fi, Bluetooth, AUX-in, USB fast charging, SD card slot, GPS, and FM/AM radio. It also includes advanced features like a custom-tuned DSP sound processor and AI-powered tools for an enhanced driving experience.

2. SAFETY INFORMATION

Always prioritize safety when operating your vehicle. Improper installation or use of this product can lead to accidents or injury. Follow all local traffic laws and regulations.

- **Professional Installation Recommended:** If you are unsure about any installation steps, seek assistance from a qualified professional.
- **Avoid Distractions:** Do not operate the device in a way that distracts you from driving. Keep your eyes on the road.
- **Volume Control:** Keep the volume at a level that allows you to hear outside traffic and emergency vehicles.
- **Wiring Safety:** Ensure all wiring is correctly connected and insulated to prevent short circuits or electrical hazards.
- **Temperature Extremes:** Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation.



ATOTOZONE A5L Single Din

Car Stereo Head Unit: The main display and control unit.



AC-HD01LR Rear View Camera

Camera: For reversing assistance and live rear view.



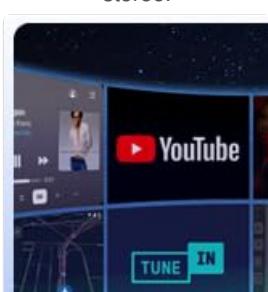
AC-44P2 Front DVR Camera:

For dashcam recording.



20-Pin Power Wire Harness:

Main power connection for the stereo.



GPS Antenna:

For navigation.

and location services.



8-Pin USB Cable: For data transfer and charging.



24-Pin RCA Combination

Cable: For audio/video input/output connections.



Mounting Brackets (L-Shaped): For flexible installation in non-standard DIN openings.



Mounting Screws: Various screws for securing the unit and brackets.



Removal Keys: Tools for safely removing the stereo from its

mounting frame.



Online Manual Quick Guide: A quick reference guide for initial setup.



Product Care Online Support:

Information on how to access online support resources.

4. INSTALLATION

4.1. Tools Required

- Screwdrivers (Phillips and Flathead)
- Wire Strippers/Crimpers
- Electrical Tape or Heat Shrink Tubing
- Multimeter (for testing power)
- Trim Removal Tool (included)

4.2. Removing the Original Car Stereo

Carefully remove the trim panels around your existing car stereo using the provided trim removal tool. Unscrew and disconnect the old stereo unit. Refer to your vehicle's specific manual for detailed instructions on removing the factory stereo.



* Designed to fit vehicles with compact dashboard space.

Image: Standard Single DIN Opening Installation. This image illustrates the process of removing the trim panel and the original single DIN head unit from a vehicle dashboard.

4.3. Mounting the New Stereo

The A5L supports both standard single-DIN openings and non-standard installations using the included L-shaped brackets for custom alignment or reinforcement.

- **Standard Single-DIN:** Insert the metal sleeve into the dashboard opening. Slide the A5L head unit into the sleeve until it locks into place.
- **Non-Standard:** If your dash lacks a DIN sleeve or requires custom positioning, use the L-shaped brackets to secure the head unit.

4.4. Wiring Connections

Refer to the wiring diagram below and the included power wire harness for correct connections. Ensure all connections are secure and properly insulated.

Advanced Audio with Customizable DSP



9 EQ presets



24-band EQ



4x24W RMS



Crossover



HPF / LPF



Time Alignment



Image: ATOTOZONE A5L Wiring Diagram. This diagram shows the connections for the 20-pin power cable, RCA combination cable, USB ports, GPS antenna, and other inputs/outputs on the rear of the head unit.

- **Power Connection:** Connect the 20-Pin Power Wire Harness to your vehicle's power, ground, and accessory wires.
- **Speaker Connections:** Connect your vehicle's speaker wires to the corresponding wires on the harness.
- **GPS Antenna:** Connect the GPS antenna to the dedicated port on the rear of the unit and mount it in a location with a clear view of the sky.
- **USB Cables:** Connect the 8-Pin USB cable for data and fast charging.
- **RCA Cables:** Use the 24-Pin RCA Combination Cable for external amplifiers, subwoofers, or additional video inputs/outputs.

4.5. Rear View Camera Wiring

The AC-HD01LR rear camera provides 720P resolution with a 140° view. Connect the camera's video output to the 'CAMIL' RCA input on the stereo. Connect the camera's power to your vehicle's reverse light circuit so it activates automatically when reversing.

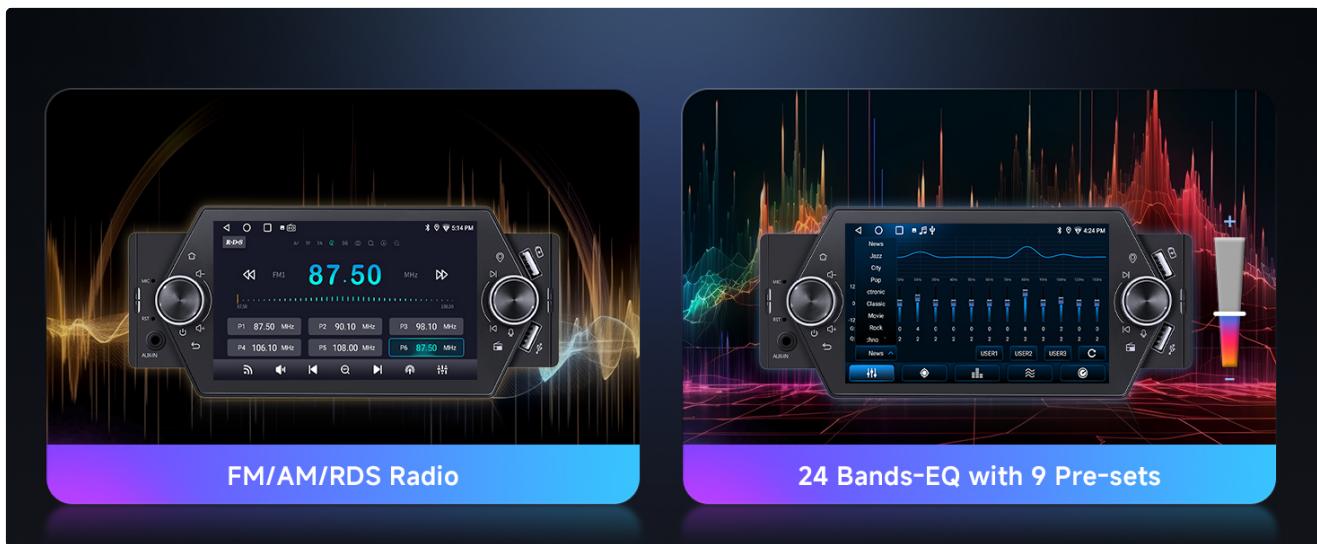


Image: AC-HD01LR Rear View Camera and AC-44P2 Front Dash Cam. This image displays both the included front dash cam and rear view camera, highlighting their features and integration with the stereo.

5. SETUP

5.1. Initial Power-On

After installation, turn on your vehicle's ignition. The stereo should power on and display the ATOTOZONE logo. Follow any on-screen prompts for initial setup, such as language selection and time zone.

5.2. Bluetooth Pairing

To enable wireless CarPlay/Android Auto and hands-free calling, pair your smartphone via Bluetooth:

1. On the stereo, navigate to the Bluetooth menu.
2. On your smartphone, search for available Bluetooth devices and select "Carplay BT" (or similar name).
3. Confirm the pairing code displayed on both devices.

5.3. Wireless CarPlay & Android Auto

Once Bluetooth is paired, your smartphone should automatically connect to Wireless CarPlay or Android Auto. If not, select the respective icon on the stereo's home screen.

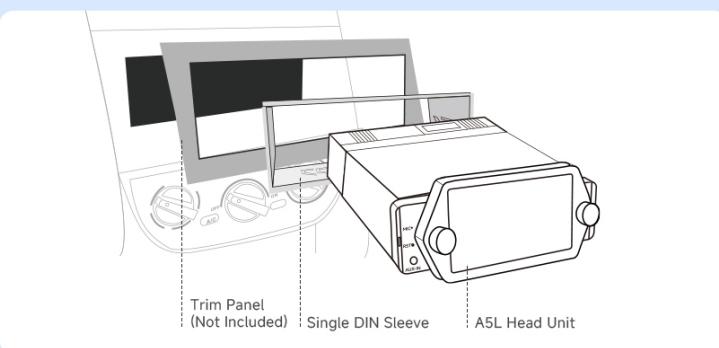
Video: Wireless CarPlay and Android Auto Setup. This video demonstrates the steps to pair a device via Bluetooth and confirm authorization for full-featured wireless CarPlay and Android Auto integration.

5.4. Wi-Fi & USB Tethering

The A5L offers multiple internet connection options:

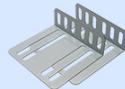
- **Wi-Fi Hotspot:** Connect to your phone's hotspot or an in-car Wi-Fi network for internet access.
- **Bluetooth Tethering:** Ideal for light data usage, keeping apps connected during wireless CarPlay/Android Auto.
- **USB Tethering:** Use a USB cable to tether your phone for a stable internet connection, especially during wireless CarPlay/Android Auto sessions.

Standard Single DIN Opening Installation



Non-Standard Single DIN Opening Installation

For dashboards without a standard Single DIN sleeve, use the included **L-shaped mounting brackets**. These brackets allow flexible alignment or reinforcement when the stereo cannot be stably fixed with the metal sleeve alone.



For detailed installation steps and diagrams, please refer to the included Quick Start Guide.

* A5LG1A5T's USH05D Mounting Style: Universal Single-DIN Headunit with 5" Display.

Image: Internet Connection Options. This image illustrates the three ways to connect the stereo to the internet: Wi-Fi Hotspot, Bluetooth Tethering, and USB Tethering, emphasizing USB tethering for continuous app connectivity during wireless CarPlay/Android Auto.

5.5. DSP Sound Settings

Customize your audio experience with the built-in Digital Sound Processor (DSP).

- 24-Band EQ:** Adjust individual frequency bands for precise sound tuning.
- 8 Presets:** Choose from predefined equalizer settings (e.g., Pop, Rock, Jazz).
- Crossover/HPF/LPF:** Configure high-pass and low-pass filters for speakers and subwoofers.
- Time Alignment:** Optimize sound delivery to each speaker based on its distance from the listener.

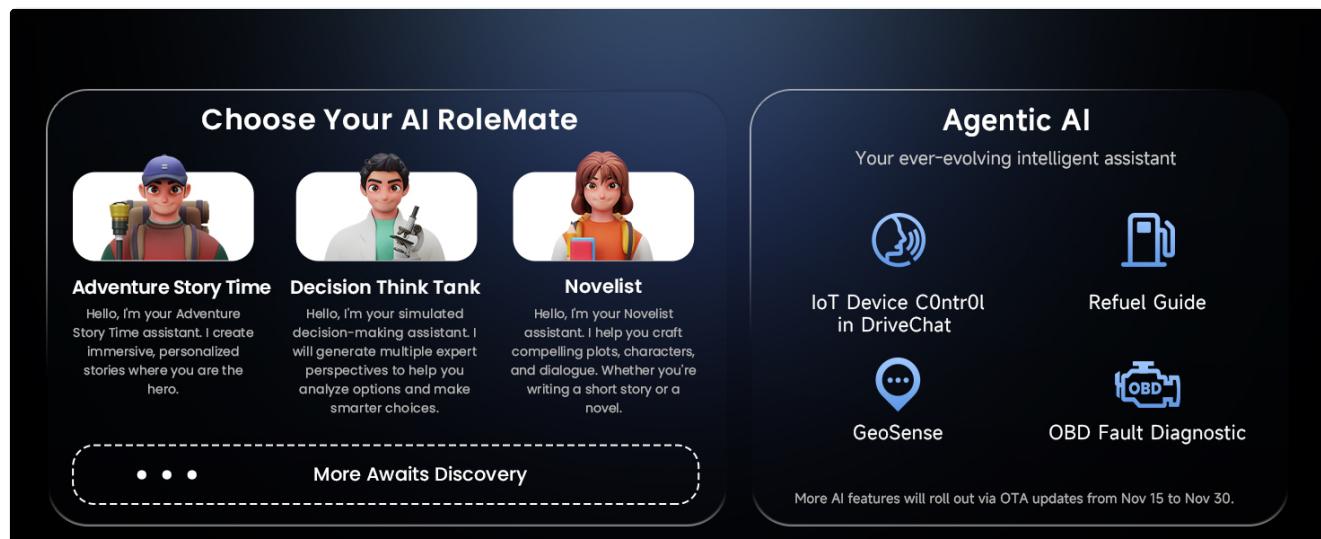


Image: Custom-Tuned DSP Sound Settings. This image shows the various DSP settings available, including 24-band EQ, crossover, HPF/LPF, and time alignment for personalized audio.

5.6. AI & Custom Tools

Explore the integrated AI features and custom tools:

- DriveChat (AI Assistant):** Use voice commands for navigation, weather, and other information.
- TrackHU:** Real-time vehicle tracking with flexible refresh rates and instant alerts.
- ClotHub:** For alerts and data related to your vehicle.
- RCAM App:** Access Live Rear View (LRV) from the rear camera.



Image: DriveChat Intelligent In-Car Voice Assistant. This image illustrates the DriveChat AI assistant responding to various queries, providing information and assistance for driving conditions.

6. OPERATION

6.1. Basic Controls

The A5L features both a responsive touchscreen and physical knobs for easy control.

- Volume Knob:** Rotate to adjust volume. Short press for mute, long press for power off.
- Navigation Buttons:** Use the physical buttons for previous/next track, voice assistant, and mode selection.
- Touchscreen:** Tap and swipe to navigate menus and control functions.



Image: Compact & Vintage Design with Physical Knobs & Touchscreen. This image highlights the 5-inch IPS touchscreen and the physical knobs for volume, mute, power, track control, and voice assistant.

6.2. Media Playback

Play audio and video from various sources:

- USB/SD Card:** Insert USB drives or Micro SD cards (up to 128GB) into the designated slots to play media files.
- Bluetooth Music:** Stream audio wirelessly from your paired smartphone.
- AUX-in:** Connect external audio devices via the AUX input.

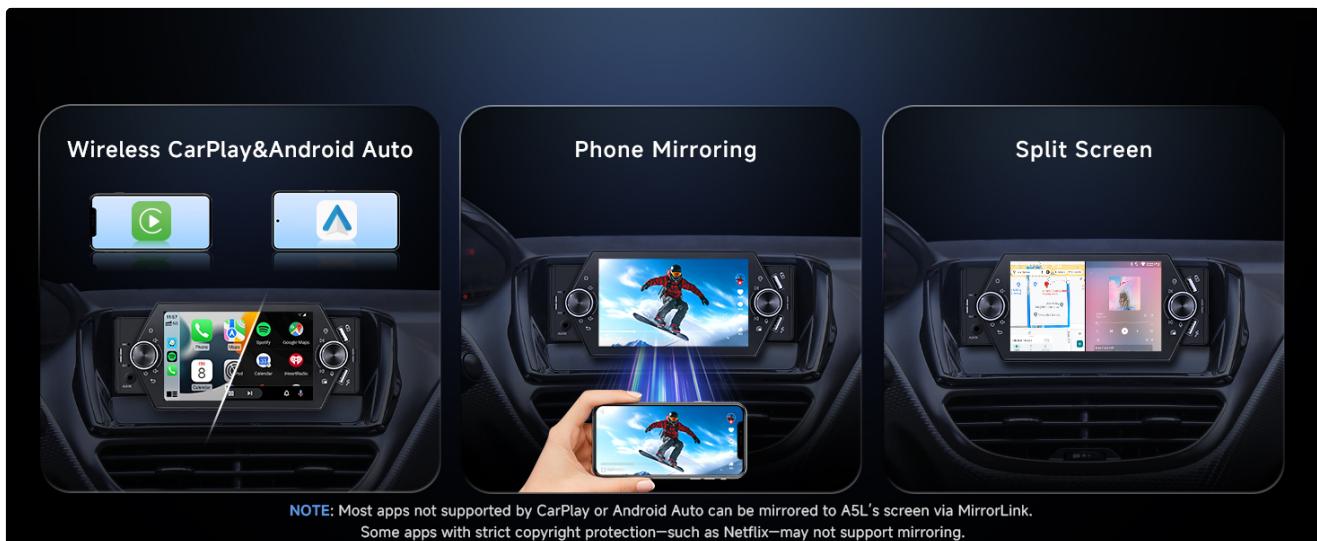


Image: Play More, Store More with USB & Micro SD. This image shows the USB ports and Micro SD card slot, indicating support for external storage up to 128GB for media playback.

6.3. Radio

Access FM/AM radio stations with RDS support.

- **FM/AM Tuning:** Use the touchscreen or physical knobs to tune into your desired radio stations.
- **RDS (Radio Data System):** Displays station information where available.

6.4. Camera Views

Utilize the included dual cameras for enhanced safety and recording.

- **Front Dashcam (AC-44P2):** Records 1080P video with a 156° wide view. Supports continuous or loop recording.
- **Rear View Camera (AC-HD01LR):** Provides 720P resolution, 140° view, Live Rear View (LRV), and reversing guidelines.

6.5. App Installation

Expand the stereo's functionality by installing apps.

- **Google Play Store:** Access and install a wide range of Android applications.
- **FindApps:** A curated app store for in-car applications not found on Google Play.

6.6. Steering Wheel Controls

If your vehicle supports steering wheel controls, you can configure them to operate the stereo for convenience and safety.

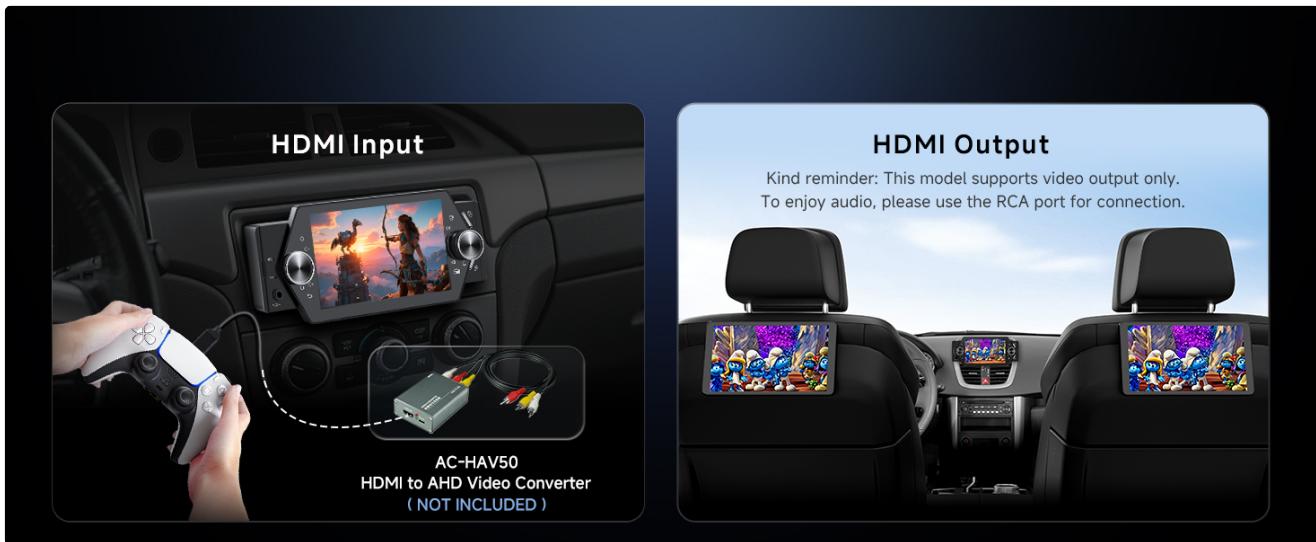


Image: Hands on the Wheel, Full Control. This image shows an optional steering wheel remote (AC-44F8, not included) that can be used to control various functions like volume, track, and voice assistant.

7. MAINTENANCE

7.1. Firmware Updates

Regularly update the stereo's firmware to ensure optimal performance, stability, and access to new features.

- **OTA Updates:** The stereo supports Over-The-Air (OTA) firmware updates. Connect to Wi-Fi and check for available updates in the system settings.
- **USB/SD Card Updates:** Firmware can also be updated manually using a USB drive or SD card. Follow the instructions provided on the ATOTOZONE support website.

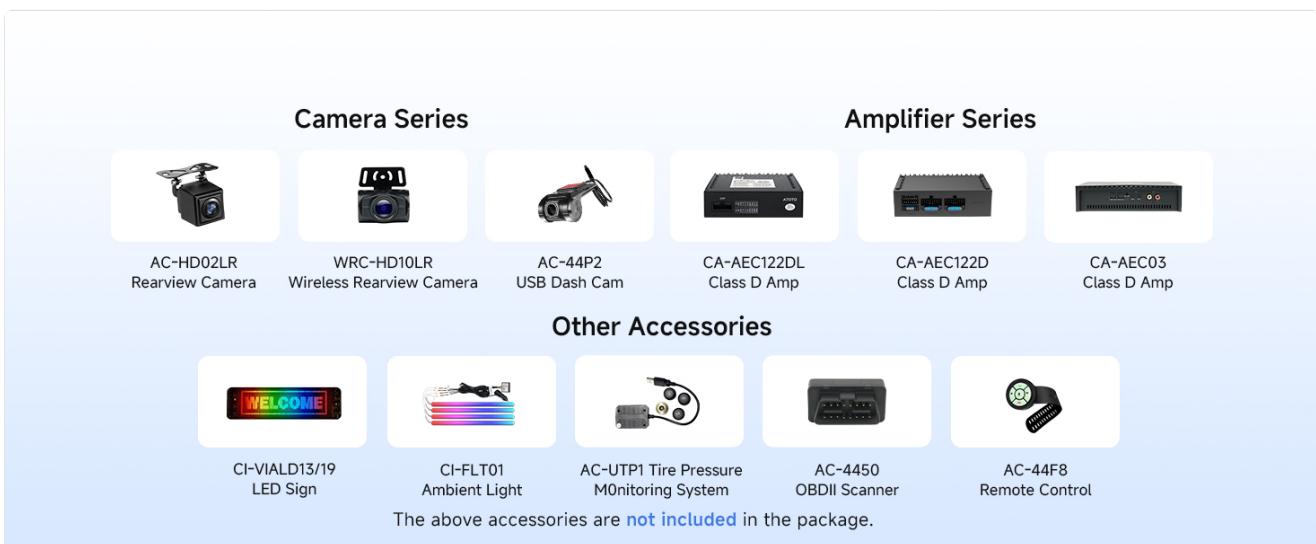


Image: Firmware Update Process. This image illustrates the firmware update process, emphasizing performance updates, new features, and feature expansion through OTA updates.

7.2. Product Care

To maintain the longevity and appearance of your stereo:

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid harsh chemicals or abrasive materials.
- **Avoid Liquids:** Keep liquids away from the unit to prevent damage.
- **Cable Management:** Ensure all cables are neatly routed and secured to prevent damage or interference.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

- **No Power:** Check all power connections, including the fuse. Ensure the ignition is on.
- **No Sound:** Verify speaker connections and volume levels. Check audio output settings in the DSP menu.
- **Bluetooth/CarPlay/Android Auto Not Connecting:** Ensure Bluetooth is enabled on your phone and the stereo. Try unpairing and re-pairing the device. Check for software updates.
- **Rear Camera Not Displaying:** Check the camera's power and video connections. Ensure the reverse trigger wire is correctly connected.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, perform a factory reset (refer to the online manual for instructions).

9. SPECIFICATIONS

Feature	Detail
Screen Size	5 Inches
Screen Resolution	1280x720 IPS
Operating System	Android
RAM/ROM	2GB RAM / 32GB ROM
Connectivity	Wi-Fi, Bluetooth, USB, AUX-in
Car Integration	Wireless CarPlay, Android Auto, Mirror Link
Front Camera	AC-44P2 (1080P, 156° view)
Rear Camera	AC-HD01LR (720P, 140° view, LRV)
Audio Output	4x24W RMS, 24-band EQ, DSP
USB Ports	3 (supports QC 2.0 fast charging)
SD Card Slot	Micro SD (up to 128GB)
GPS	Built-in GPS, supports worldwide maps

10. WARRANTY & SUPPORT

ATOTOZONE provides comprehensive support for its products.

- **Warranty:** The product is backed by a 12-month warranty from the date of purchase, with an additional 6 months available upon communication within 30 days of purchase.
- **After-Sales Support:** Our product care team is available to assist you. Refer to the online manual or quick guide for contact information.
- **Online Resources:** Access clear online guides and help resources for further assistance.



Performance Updates

Squash glitches and improve performance with every update. Stay smooth, stay stable.



New Features

Unlock new capabilities over time—our team is constantly adding features to improve your driving experience.



Feature Expansion

We upgrade so your journey gets better. Every OTA update reflects our promise—to improve, for you.

Image: Product Care and OTA Upgrade. This image highlights the 12+6 months extended care, after-sales support, and online manual/quick guide for product assistance.