

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [ATOTO](#) /

› [ATOTO 12.3" Car Stereo User Manual for Mercedes-Benz E-Class W212 NTG4.0 \(2010-2013\)](#)

## ATOTO S8 PN

# ATOTO 12.3" Car Stereo User Manual

Model: S8 PN | Compatible with Mercedes-Benz E-Class W212 NTG4.0 (2010-2013)

## 1. INTRODUCTION

This manual provides comprehensive instructions for the ATOTO 12.3" Car Stereo, model S8 PN. This unit is specifically designed for Mercedes-Benz E-Class W212 vehicles manufactured between 2010 and 2013, equipped with the NTG 4.0 system. The ATOTO S8 PN integrates seamlessly into your vehicle, preserving all original functions while offering an enhanced infotainment experience with a large, high-definition display.



# Benz COMAND NTG Identification

Before buying, please verify the NTG version of your car's original system



Figure 2.1: Benz COMAND NTG Identification. Ensure your vehicle has the NTG 4.0 system for compatibility.

This unit is designed to retain all original vehicle functions, including the COMAND system, backup camera, CD player, steering wheel controls, and audio system.



## Retains All Original Vehicle Functions



Original COMAND System



Original Backup Camera System



Original CD Player



Original Steering Wheel C0ntr0l and Physical C0ntr0ls



Original Audio System



Original COMAND Control Knob

Figure 2.2: Original vehicle functions retained, including COMAND system, backup camera, CD player, steering wheel controls, audio system, and COMAND control knob.

### 3. PACKING LIST

Please verify that all items listed below are included in your product package:

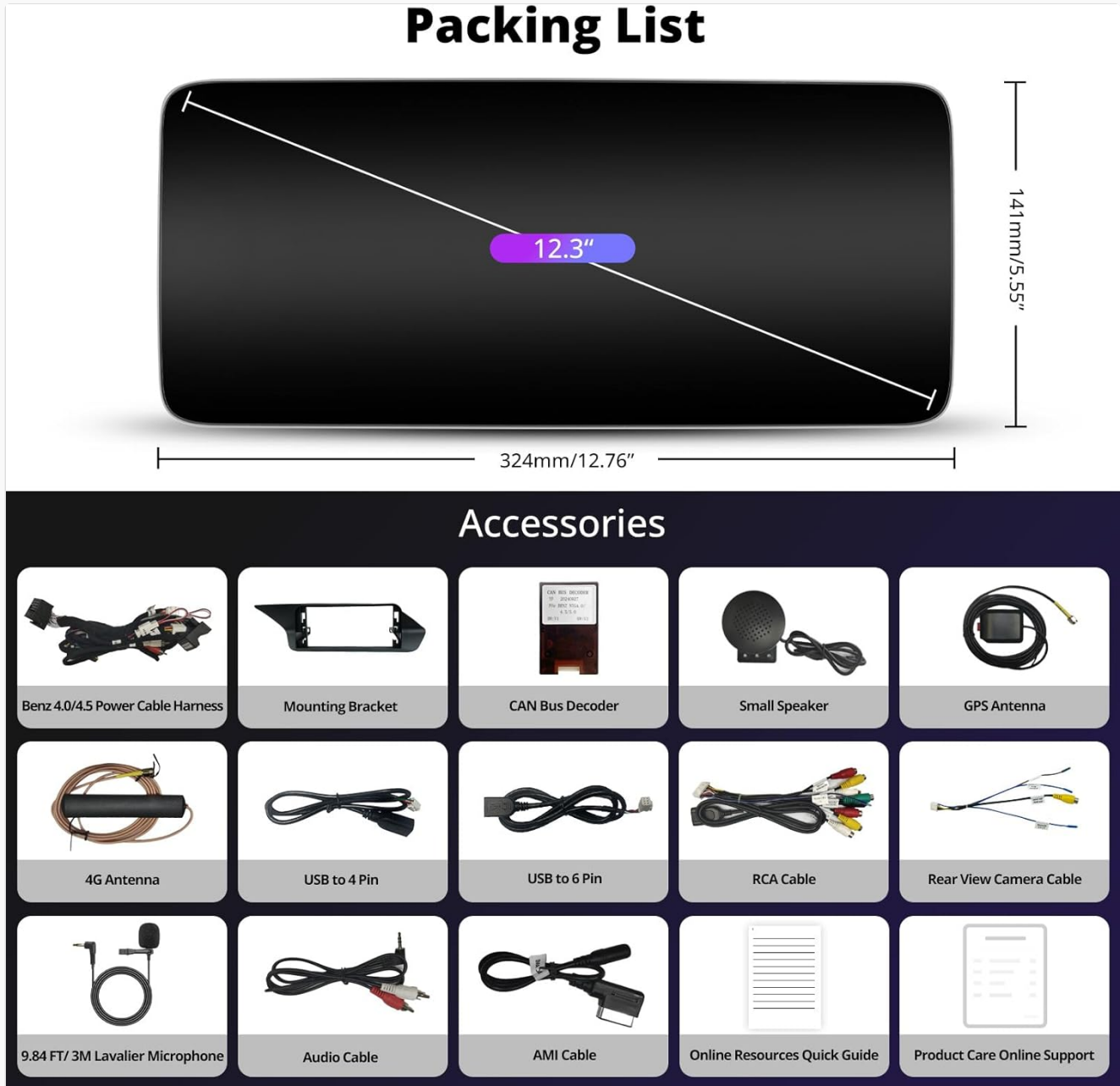


Figure 3.1: Product dimensions and included accessories.

- Benz 4.0/4.5 Power Cable Harness
- Mounting Bracket
- CAN Bus Decoder
- Small Speaker
- GPS Antenna
- 4G Antenna
- USB to 4 Pin Cable
- USB to 6 Pin Cable

- RCA Cable
- Rear View Camera Cable
- 9.84FT/3M Lavallier Microphone
- Audio Cable
- AMI Cable
- Online Resources Quick Guide
- Product Care Online Support Information

## 4. INSTALLATION AND SETUP

---

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation. Follow the wiring diagram carefully to connect the ATOTO S8 PN to your vehicle's existing system.

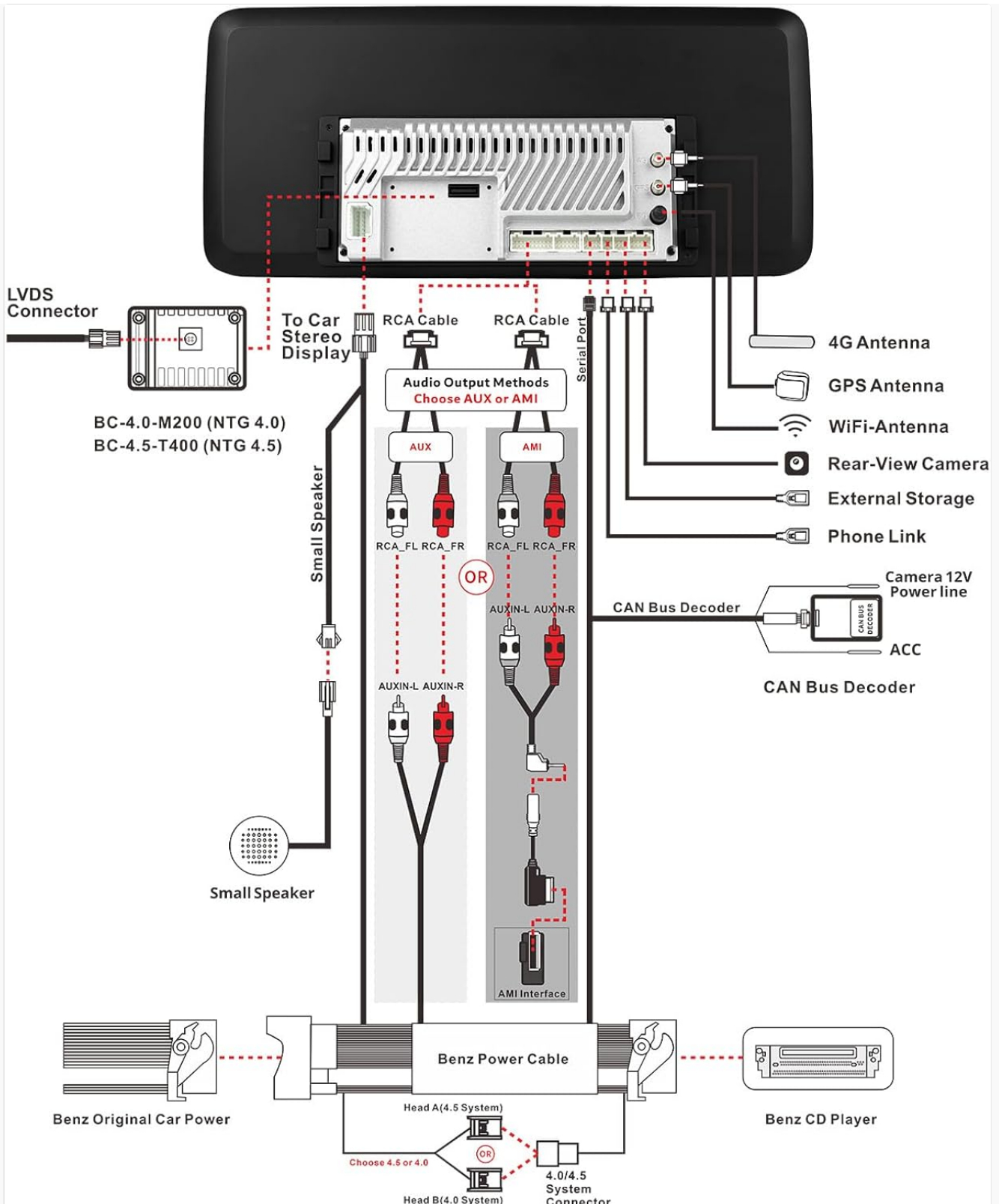


Figure 4.1: Wiring Diagram for ATOTO S8 PN. Connect LVDS, power, antennas, and other accessories as shown.

## 4.1 Initial Setup Steps

After physical installation, perform the following software setup:



Figure 4.2: Setup procedures for screen resolution, camera, and sound.

1. **Setup Screen Resolution:** Tap the settings icon, then navigate to screen resolution settings. Select the appropriate resolution based on your current iDrive system.

2. **Setup Camera:** If your vehicle has a backup camera, tap the settings icon, find 'Local Reverse Switch', and switch to the rearview camera option.
3. **Setup Sound:** Tap the settings icon, then select 'Audio' option to enter the original COMAND system. Select 'Aux' for audio output.

## 5. OPERATION AND FEATURES

The ATOTO S8 PN offers a high-performance touchscreen experience with a 12.3" HD 1920x720p IPS screen, powered by an efficient 12nm SoC and ARM Cortex Octa-Core processor.

### 5.1 Switching Between Systems

Easily switch between the Android system and your original COMAND system by tapping the 'NTG Mode' icon on the display.

# Tap "NTG Mode" to easily switch

The image illustrates the process of switching between the Android system and the original COMAND system. It features three main screenshots:

- Android system:** A screenshot of the Android home screen with a hand tapping the 'NTG Mode' icon (a red flame-like symbol).
- Original COMAND system:** A screenshot of the original COMAND system interface, showing a music player with 'Media' selected and a car icon.
- Theme selection:** A screenshot of the 'Theme' selection screen, showing various theme options like 'Aux', 'Calculator', 'Car Link 2.0', 'Chrome', 'Equalizer', 'FileManager', 'Google', 'Maps', 'Operation guide', 'Play Store', 'Theme', and 'Touch-Assistant'.

**Tap "Theme" to choose your preferred theme**

Multiple themes inspired by various car models. Switch between styles to match your mood. If you prefer, you can return to the original theme.

Figure 5.1: Switching between Android system and original COMAND system.

## 5.2 Wireless Connectivity

Enjoy seamless wireless connectivity with Wireless CarPlay, Android Auto, and Mirror Link functionalities.



Figure 5.2: Wireless CarPlay, Android Auto, and Mirror Link in operation.

## 5.3 DriveChat - AI Co-Pilot

DriveChat is an AI co-pilot feature powered by ChatGPT, designed to assist you with tasks and provide information while driving. Simply ask questions to get assistance without taking your hands off the wheel.

# DriveChat - Your AI Co-Pilot

Powered by ChatGPT



Figure 5.3: DriveChat AI co-pilot providing information to the driver.

## 5.4 Internet Options & Dual Bluetooth

The unit supports multiple internet connection options: 4G (via Nano SIM), Wi-Fi, USB tethering, and Bluetooth tethering. It features Dual Bluetooth for enhanced functionality:

- **Bluetooth 1 (BT1):** Handles calls, audio streaming, and screen lock/unlock based on proximity.
- **Bluetooth 2 (BT2):** Pairs with third-party Bluetooth devices and can be used for hotspot functionality.



Figure 5.4: Multitasking with Dual Bluetooth for various functions.



Figure 5.5: Four internet options available: 4G, Wi-Fi, USB, and Bluetooth.

### 5.5 GPS Tracking (TrackHU)

The TrackHU app provides real-time GPS tracking with a 5-second refresh rate, utilizing OsmAnd's 4-satellite positioning. Features include track playback with speed control, detailed reports, instant online/offline status, and geofence alerts.

### 5.6 Digital Sound Processor (DSP)

Experience cinematic, immersive audio with DTS functionality. Customize your sound output using the built-in 32-band Equalizer for tailored audio performance.



Figure 5.6: Built-in Digital Sound Processor (DSP) for audio customization.

## 5.7 Split Screen Multitasking

Manage multiple applications simultaneously using the split-screen feature, allowing you to view navigation and media playback side-by-side.

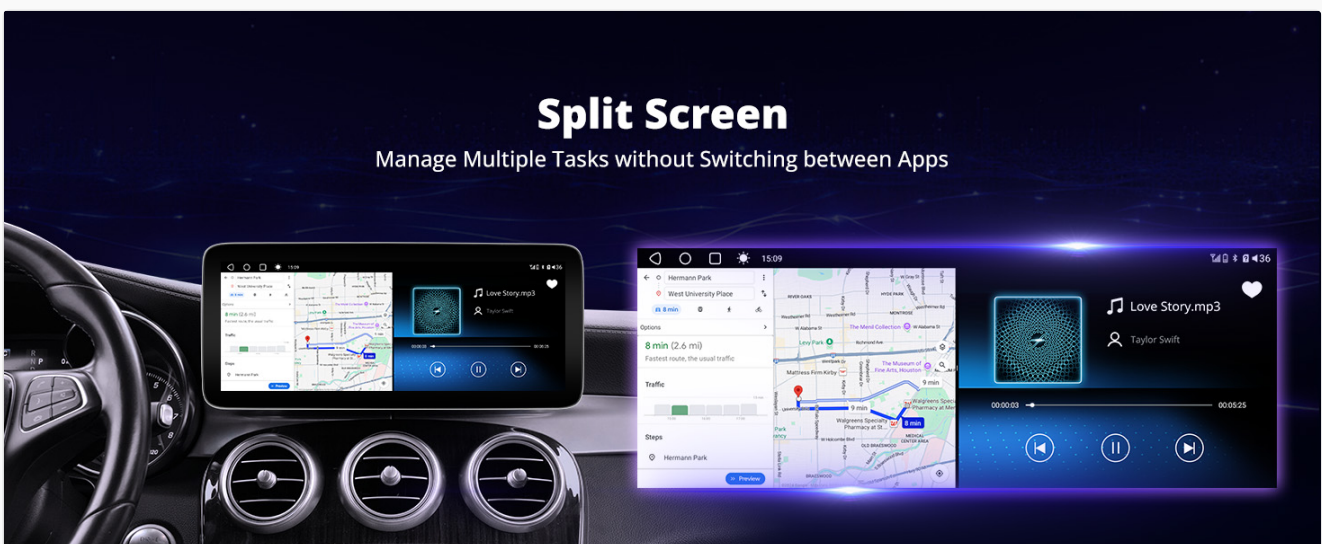


Figure 5.7: Split Screen feature for managing multiple tasks.

## 5.8 Infotainment and Apps

The unit supports enhanced infotainment while retaining the OEM COMAND system. Download and manage applications through FindApps or the Google Play Store.

# Enhanced Infotainment While Keeping the OEM COMAND System

FindApps, our featured app, supports efficient compatibility and app management

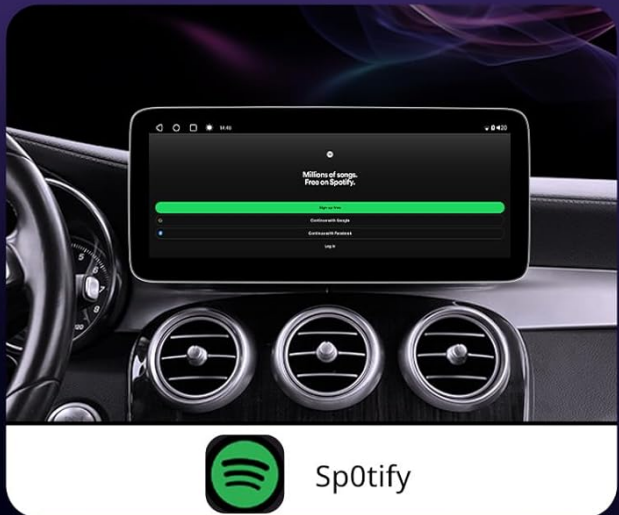
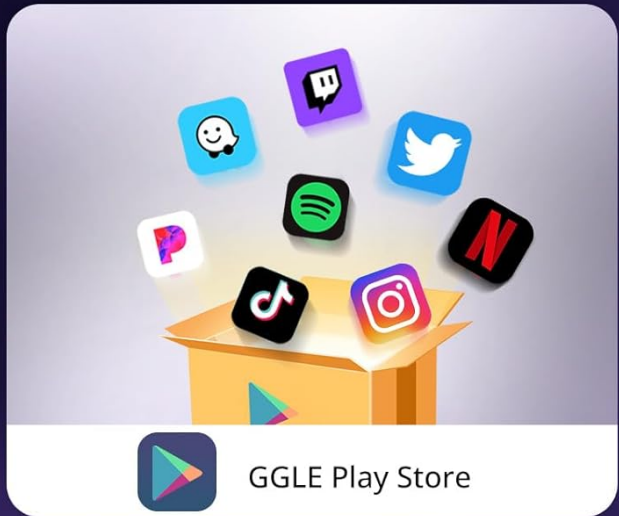
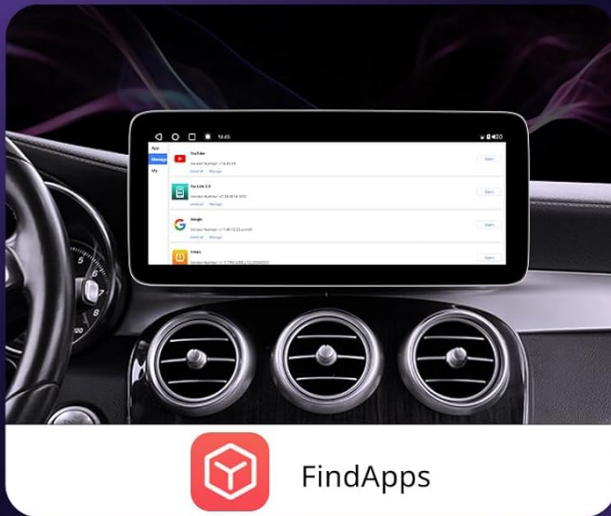


Figure 5.8: Accessing FindApps, Google Play Store, YouTube, and Spotify.

## Infotainment at Your Fingertips

Download apps from FindApps for compatibility



Figure 5.9: Infotainment at your fingertips with various apps and TrackHU features.

## 5.9 Theme Customization

Personalize your display by choosing from multiple themes inspired by various car models. You can switch between styles to match your preference or return to the original theme.

## 6. ESSENTIAL ACCESSORIES

Enhance your driving experience with compatible ATOTO accessories:

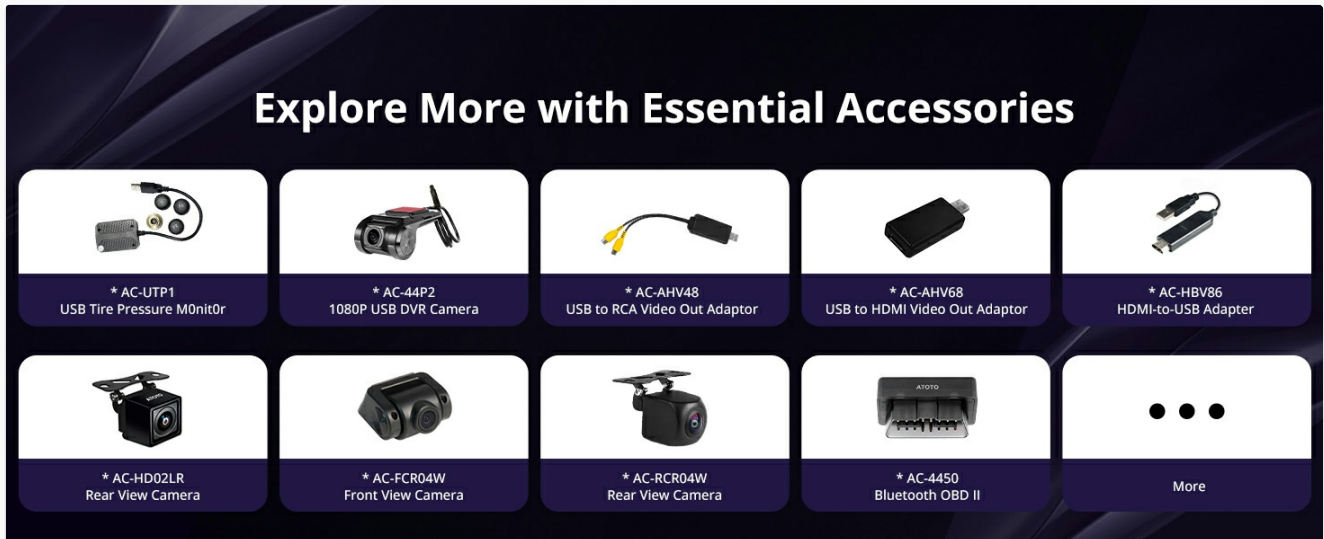


Figure 6.1: Explore more with essential accessories.

- **AC-FCR04W Front View Camera:** Provides HD front view imaging to assist in spotting obstacles and navigating tight spaces.
- **AC-RCR04W Rear View Camera:** Aids in reversing and parking with confidence.
- **AC-AHV68 USB to HDMI Video Out Adaptor:** Connects to external displays for an immersive viewing experience.
- **AC-HBV86 HDMI-to-USB Adaptor:** Connects HDMI devices like TV boxes or Chromecast.
- **AC-UTP1 USB Tire Pressure Monitor:** Monitors tire pressure for safety.
- **AC-44P2 1080P USB DVR Camera:** Records driving footage.
- **AC-44F5 Steering Wheel Control Remote:** Provides convenient control over stereo functions.
- **CA-AEC03/CA-AEC122D Amplifiers:** For enhanced audio output.



Figure 6.2: Front and Rear View Cameras for enhanced driving safety.



Figure 6.3: USB to HDMI adapters for connecting external displays and devices.

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your ATOTO S8 PN car stereo, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit surface. Avoid abrasive cleaners or solvents.
- **Software Updates:** Regularly check for firmware updates to ensure the system runs smoothly and has the latest features. Updates are typically available via OTA (Over-The-Air) through FindApps.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter with your ATOTO S8 PN car stereo.

Problem	Possible Cause	Solution
No audio output from the unit.	Incorrect audio source selected; wiring issue; volume too low.	Ensure 'Aux' is selected as the audio output in the sound settings (refer to Section 4.1). Check all audio cable connections. Increase volume.
Original factory buttons/controls do not work.	CAN Bus decoder not correctly connected or configured.	Verify the CAN Bus decoder is properly installed and connected according to the wiring diagram (Figure 4.1). Ensure the unit is in the correct mode (NTG mode for original functions).
Unit does not power on.	Power cable not connected; blown fuse; vehicle battery low.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery has sufficient charge.

Problem	Possible Cause	Solution
Wireless CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi not enabled; phone compatibility issue; interference.	Ensure Bluetooth and Wi-Fi are enabled on both the unit and your smartphone. Restart both devices. Check phone compatibility with CarPlay/Android Auto.

If you encounter issues not listed here, please refer to the online manual or contact customer support.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	S8 PN
Screen Size	12.3 inches
Display Resolution	1920x720p IPS
Processor	12nm SoC, ARM Cortex Octa-Core
Memory (RAM)	4GB
Storage (ROM)	64GB
Connectivity Technology	Wireless, Bluetooth, Auxiliary, 4G LTE, Wi-Fi
Controller Type	Android
Special Features	Android Auto, Apple CarPlay, Screen Mirroring, Built-In Bluetooth, Built-In Wi-Fi, GPS Navigation, Hands-Free Calling, Digital Display Screen, Touchscreen, DSP, Multi Color Illumination, Keep Original System, AI DriveChat, 4G LTE, Dual Bluetooth, Voice Control, Volume Control
Compatible Devices	Smartphone
Connector Type	3.5mm Jack
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Video Encoding	H.264, H.265/HEVC
Number of Channels	2
Item Weight	5.79 pounds
Package Dimensions	14.88 x 9.57 x 7.13 inches

## 10. WARRANTY AND SUPPORT

ATOTO is committed to providing excellent customer service and product support.

## 10.1 Product Care and Warranty

Your ATOTO S8 PN includes 12 months of product care from the date of purchase. You can extend this by an additional 6 months by registering your product. Details for registration are provided in the product packaging.

## 10.2 Online Manual and Firmware Updates

An online manual is available for detailed information and support in various languages. ATOTO regularly releases firmware updates to improve system performance and add new features. These updates are typically available via OTA (Over-The-Air) through the FindApps application.

## 10.3 Customer Support

Our customer care team is available to assist you with any questions or issues. Contact information can be found in the product box. You can also seek help via your order center, eproductcase, or by emailing [support@atotoglobal.com](mailto:support@atotoglobal.com).

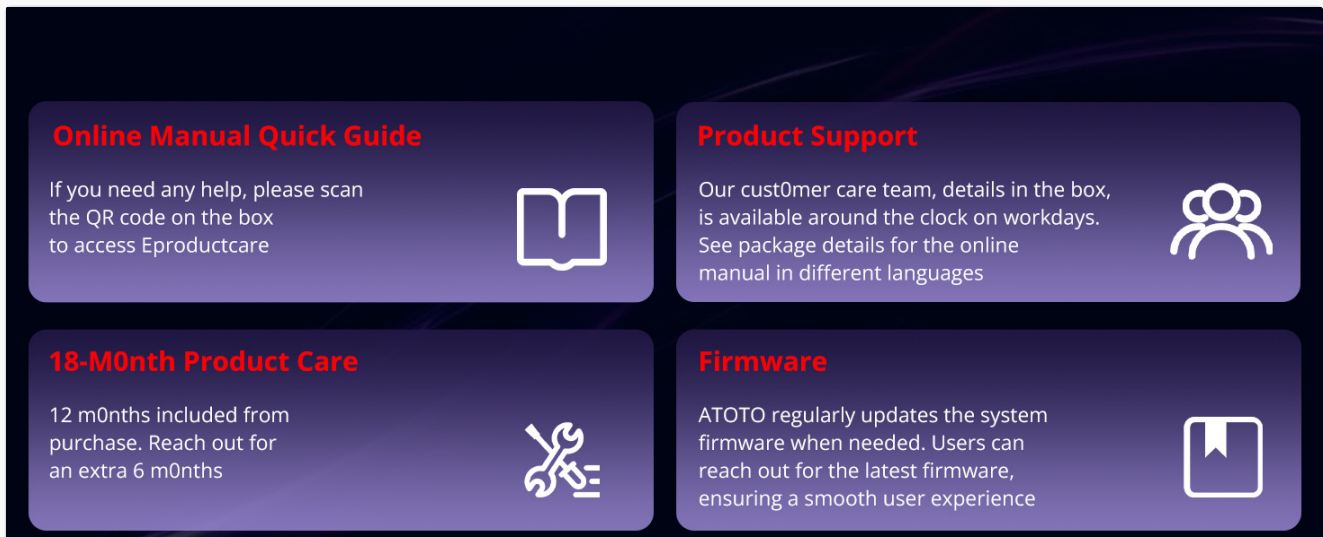


Figure 10.1: Overview of ATOTO support resources.