

ATOTO S8 PN

ATOTO 12.3" Android Car Stereo S8 PN for BMW 5 Series F10 F11 (2013-2017 NBT System)

Model: S8 PN | Brand: ATOTO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ATOTO 12.3" Android Car Stereo S8 PN. This unit is specifically designed for BMW 5 Series F10 and F11 models produced between 2013 and 2017, featuring the NBT original 6 PIN LVDS system. It integrates advanced Android functionality while retaining all original vehicle features.

2. COMPATIBILITY CHECK

Before installation, it is crucial to verify your vehicle's system compatibility. The ATOTO S8 PN is designed for BMW 5 Series F10 F11 (2013-2017) with the NBT original 6 PIN LVDS system. Please check the iDrive UI, Start/Stop Switch, and LVDS Connector to ensure compatibility.

For **NBT** system only, not CIC/CCC/EVO

⚠ Before buying, check for all three: iDrive UI, Start/Stop Switch, LVDS Connector

Fits BMW 5 Series F10 F11 2013-2017 with NBT original 6 PIN LVDS system

Match the three NBT features



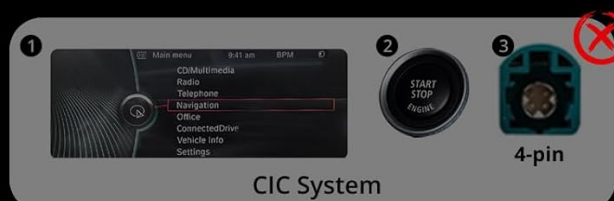
iDrive UI



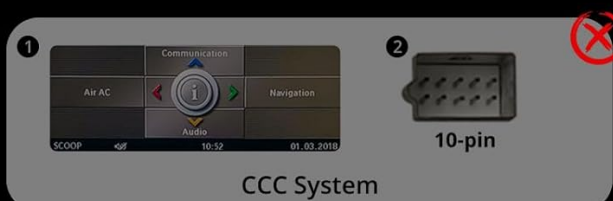
Start/Stop Switch



6-pin LVDS Connector
at the Rear of OEM Display



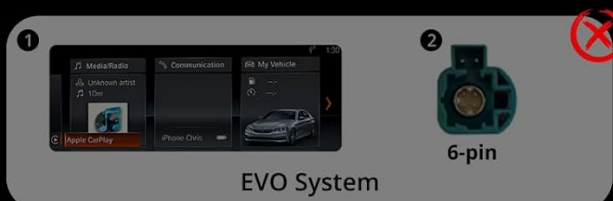
CIC System



CCC System



EVO System



EVO System

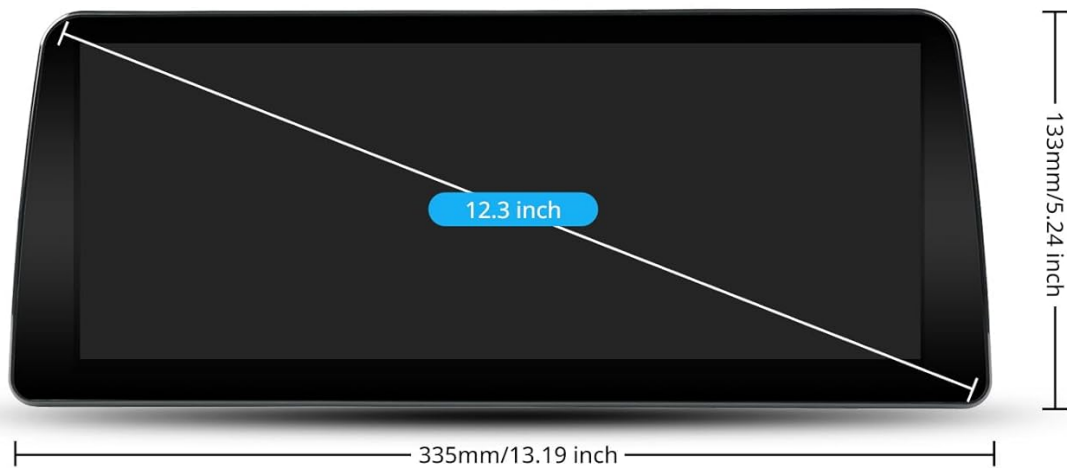
Image: Visual guide for checking iDrive UI, Start/Stop Switch, and LVDS Connector to confirm NBT system compatibility. This image shows examples of compatible NBT features (iDrive UI, Start/Stop Switch, 6-pin LVDS Connector) and incompatible CIC, CCC, and EVO systems.

3. INSTALLATION GUIDE

Installation involves removing existing components, connecting the new head unit, and reassembling the dashboard. It is recommended to consult a professional if you are unsure about any steps. Always disconnect the car's power before beginning installation.

3.1. Wiring Diagram

Packing List



Accessories



BMW Power Cable Harness



Mounting Bracket



CAN BUS Decoder (For EVO/NBT)



Small Speaker



GPS Antenna



4G Antenna



USB to 4 Pin



USB to 6 Pin



RCA Cable



Rear-View Camera Cable



9.84 FT/3M Lavalier Microphone



Online Resources Quick Guide



Product Care Online Support

Image: Detailed wiring diagram for the ATOTO S8 PN head unit, showing connections for 4G Antenna, GPS Antenna, Wi-Fi Antenna, Rear-View Camera, External Storage, Phone Link, CAN Bus Decoder, and Audio Output Methods. This diagram is crucial for correct electrical connections.

3.2. Installation Steps Overview

- 1. Remove Original Components:** Carefully remove the original air conditioning vents, car button panel, car stereo, and car display. Ensure all connectors are unplugged.
- 2. Connect New Head Unit:** Connect the 4G antenna, GPS antenna, Wi-Fi antenna, rear-view camera, external storage, phone link, CAN Bus Decoder, and audio output cables to the new S8 PN head unit. Ensure the LVDS cable is inserted before connecting the power cable.
- 3. Install Mounting Bracket:** Align the clips on the S8 PN with the mounting bracket and secure it.
- 4. Reassemble:** Install the new head unit assembly into the dashboard, reconnecting all original components and ensuring proper fit.

3.3. Installation Video Guide

Video: Detailed installation guide for the ATOTO BMW 5 Series NBT system (2013-2017). This video demonstrates the step-by-step process of removing original components, connecting the new head unit, and reassembling the dashboard.

4. INITIAL SETUP AND SETTINGS

After installation, perform the initial setup to ensure optimal performance and proper display.

4.1. Screen Resolution Setup

To ensure proper display, navigate to Vehicle Settings and select the correct screen resolution for your BMW NBT system (1280x480).

Video: BMW Car Stereo System Setting Guide 1. This video demonstrates how to access vehicle settings and adjust the screen resolution to match your car's original display specifications for optimal viewing.

4.2. Switching Between Systems

You can switch between the Android system and your original BMW iDrive system using the touchscreen or by long-pressing the physical button.

Video: BMW Car Stereo System Setting Guide 3. This video illustrates how to seamlessly switch between the ATOTO Android system and the original BMW iDrive system using both touch controls and physical buttons.

4.3. Reverse Video Settings

Configure the reverse video settings to ensure proper functionality of your aftermarket or factory backup camera. The 'Local Reverse switch' toggles between aftermarket and factory camera modes, and 'HD reversing video format' switches between HD and SD camera modes.

Video: BMW Car Stereo System Setting Guide 4. This video demonstrates how to adjust reverse video settings, including switching between aftermarket and factory camera inputs and selecting HD or SD video formats for your reversing camera.

5. OPERATING INSTRUCTIONS

The ATOTO S8 PN offers a range of features to enhance your driving experience.

5.1. Core Features

- **Wireless CarPlay & Android Auto:** Seamlessly integrate your smartphone for navigation, music, calls, and more.
- **DriveChat AI Co-Pilot:** An AI assistant powered by ChatGPT that responds to voice commands for tasks and information while driving.
- **4G LTE & Dual Bluetooth:** Independent 4G access for online services and dual Bluetooth for calls, streaming, and connecting third-party devices.
- **GPS Tracking (TrackHU):** Real-time tracking with a 5-second refresh rate, 4-satellite positioning, track playback, and geofence alerts.
- **DSP 32-Band Equalizer:** Customize your audio experience with cinematic sound and precise equalization.
- **Split Screen:** Manage multiple applications simultaneously without switching between apps.

Step 1: Setup Screen Resolution

1. Tap " " > Tap " "

2. Refer to the Screen Display Resolution

3. Then select the corresponding option under Screen Resolution Selection based on your current iDrive system

Step 2: Setup Sound

To ensure the Android system audio is played through your car's original speakers, adjust the sound settings as described below.

AUX auto or hand < Manual >

1. Switch to Manual mode

2. Tap "Car" to enter the original iDrive system

3. Tap" Multimedia">"External Devices",and select Aux front

4. Ensure the volume is turned up in the AUX Front menu, or no sound may be heard.

Step 3: Setup Camera

Scenario 1: If your car is already equipped with an original backup camera, turn off the Local Reverse Switch to enable the factory camera.

1. Tap " " > Tap " "

2. Locate the Local Reverse Switch option and turn it off to activate the original backup camera

Scenario 2: If you install our aftermarket backup camera, you do not need to change this setting.

Critical Warning: If Local Reverse Switch is set incorrectly, your backup camera may not display properly.

Image: Illustration of the DriveChat AI Co-Pilot feature, showing a conversational interface for asking questions and receiving assistance while driving, powered by ChatGPT.

S8 PN Smart Car Stereo

Before

After

Image: Demonstrates the dual Bluetooth functionality, allowing for simultaneous calls and music streaming (Bluetooth 1) while connecting to other Bluetooth devices or hotspots (Bluetooth 2).

Bigger Screen, Better Experience

Original

Upgraded

12.3"

Image: Shows the split-screen feature in action, displaying navigation on one side and a media player on the other, enabling efficient multitasking.

6. SPECIFICATIONS

Key technical specifications of the ATOTO S8 PN head unit:

Feature	Specification
Item Weight	5.5 pounds
Package Dimensions	14.7 x 9.4 x 6.8 inches
Item Model Number	S8 PN
Display Size	12.3 Inches
Voice Command	Touchscreen
Brand	ATOTO
Vehicle Service Type	Car
Special Feature	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
Connectivity Technology	Wireless, Bluetooth, Auxiliary, 4G LTE, Wi-Fi
Map Type	Road
Audio Output Mode	Stereo
Operating System	Android
Memory Storage Capacity	64 GB
Touch Screen Type	Capacitive

7. MAINTENANCE AND CARE

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

- Keep the screen clean using a soft, lint-free cloth. Avoid abrasive cleaners.
- Ensure all connections remain secure. Periodically check for any loose cables.
- Keep the unit free from excessive dust and moisture.
- Regularly update the system firmware when available to ensure smooth operation and access to the latest features.

8. TROUBLESHOOTING

If you encounter any issues with your ATOTO S8 PN, consider the following basic troubleshooting steps:

- **No Power:** Check all power connections. Ensure the car's battery is charged.
- **No Sound:** Verify audio output settings. Ensure the AUX input is correctly selected on your original car system. Check speaker connections.
- **Display Issues:** Confirm the screen resolution is set correctly in Vehicle Settings.
- **CarPlay/Android Auto Not Connecting:** Ensure your phone's Wi-Fi and Bluetooth are enabled. Try restarting both the head unit and your phone.
- **Original iDrive System Not Accessible:** Check the physical button for switching systems. Ensure all LVDS connections are secure.

For more complex issues, refer to the online manual or contact ATOTO customer support.

9. WARRANTY AND SUPPORT

Your ATOTO S8 PN comes with comprehensive product care and support.

- **Product Care:** 12 months of product care are included from the date of purchase. You can reach out for an extra 6 months of coverage. Details for extending the warranty are available in the online resource quick guide.
- **Customer Support:** Our customer care team is available around the clock on workdays. Contact details are provided in the product packaging and online manual.
- **Firmware Updates:** ATOTO regularly provides system firmware updates to ensure a smooth user experience. These can typically be obtained via OTA (Over-The-Air) updates through the FindApps application.
- **Protection Plans:** Additional protection plans are available for purchase, including 2-Year and 3-Year options, as well as a Complete Protect monthly plan.

For further assistance, please refer to the online manual in different languages or contact ATOTO support via your order center or [eproductcare](#).