

SHZSR PCM 3.0

SHZSR CarPlay & Android Auto Upgrade Module for Porsche PCM 3.0 User Manual

Model: PCM 3.0 | Brand: SHZSR

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SHZSR CarPlay & Android Auto Upgrade Module for Porsche PCM 3.0. This module integrates advanced smartphone connectivity features into your vehicle's existing infotainment system, enhancing your driving experience with navigation, communication, and entertainment options.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- CarPlay Module
- LVDS Harness
- Wiring Harnesses (Power, Audio, Video, USB)
- GPS Antenna
- Microphone
- USB Cable
- Installation Tools (Plastic pry tools)
- User Operation Manual

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Video 2.1: Overview of the CarPlay module and its components, including a brief look at the installation process. This video provides a general understanding of the product and its setup.

3. COMPATIBILITY

This SHZSR CarPlay & Android Auto Upgrade Module is compatible with Porsche vehicles equipped with PCM 3.0 systems. Please verify your vehicle's PCM version before installation.

- 2009-2012 Porsche 911 (997.2) with PCM 3.0
- 2009-2010 Porsche Cayenne (957) with PCM 3.0

- 2009-2012 Porsche Boxster (987.2) with PCM 3.0
- 2009-2012 Porsche Cayman (987.2) with PCM 3.0

Note: Requires a touch screen and iPod/Auxiliary Kit for full functionality.

How to correctly distinguish PCM version?



PCM 3.0



PCM 3.1



PCM 4.0



PCM 3.1

Figure 3.1: Visual guide to distinguish PCM 3.0 from other versions. PCM 3.0 typically features an upright SIM slot.

4. KEY FEATURES

The SHZSR CarPlay & Android Auto Upgrade Module offers the following functionalities:

- **Wireless & Wired CarPlay:** Seamless integration with Apple CarPlay for iPhone users.
- **Wireless & Wired Android Auto:** Full compatibility with Android Auto for Android smartphone users.
- **MirrorLink:** Screen mirroring functionality for both iOS and Android devices.
- **Original Car Control Retention:** Utilizes existing car knob controls and center rocker for navigation.
- **Voice Control:** Supports Siri and Google Assistant for hands-free operation.
- **Navigation:** Access to smartphone navigation apps (e.g., Apple Maps, Google Maps, Waze).
- **Media Playback:** Stream music and podcasts from your smartphone.
- **Communication:** Make and receive calls, send and receive messages.
- **Camera Support:** Compatible with original and aftermarket reverse, front, and 360-degree cameras.
- **AHD Video Decoding:** Supports high-definition video input.
- **DSP Audio Decoding:** Enhanced digital sound processing.
- **Fast Charging:** USB port for quick device charging.

Features you get after installation



Carplay



Android Auto



Mirroring



Media



Front/Right/
Left/360

AHD

AHD Video
Decoding



DSP digital
audio decoding



Fast charging

Figure 4.1: Overview of features provided by the upgrade module.

5. INSTALLATION GUIDE

Installation of the SHZSR CarPlay & Android Auto Upgrade Module is designed to be non-destructive and plug-and-play. However, professional installation is recommended. Ensure the vehicle's power is off before beginning installation.

5.1 Component Overview



Figure 5.1: Rear view of the CarPlay module, highlighting power, TP/360, MIC, and LVDS OUT ports.

5.2 Wiring Connections

Follow these steps to connect the module:

1. Connect the main power harness to the module and the vehicle's existing wiring.
2. Connect the LVDS harness between the module and the vehicle's display.
3. Connect the microphone for voice control functionality.
4. Attach the GPS antenna for navigation services.
5. Connect any additional audio/video input/output cables as required (e.g., for aftermarket cameras, subwoofers).
6. Connect the USB cable for wired CarPlay/Android Auto and fast charging.

Your browser does not support the video tag.

Video 5.1: Demonstration of wiring harness connections for the CarPlay module. This video illustrates the process of connecting various cables, including power, audio, and video inputs, to the main unit.

After all connections are made, carefully secure the module and reassemble the vehicle's dashboard components.

6. OPERATING INSTRUCTIONS

Once installed, the module integrates with your Porsche PCM 3.0 system. You can switch between the original PCM interface and the CarPlay/Android Auto interface using the vehicle's controls.

6.1 Connecting Your Smartphone

1. For Wireless CarPlay/Android Auto:

- Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
- On the module interface, navigate to the CarPlay/Android Auto section.
- Pair your phone via Bluetooth. Follow on-screen prompts to establish the wireless connection.

2. For Wired CarPlay/Android Auto:

- Connect your smartphone to the module's USB port using a certified USB cable.
- The system should automatically detect and launch CarPlay or Android Auto.

3. For MirrorLink:

- Select the MirrorLink option on the module interface.
- Follow the specific instructions for your smartphone model to enable screen mirroring.

6.2 Using CarPlay and Android Auto

The interface will display familiar apps from your smartphone, optimized for in-car use. You can:

- **Navigate:** Use map applications for directions.
- **Communicate:** Make calls, send messages, and listen to voicemails.
- **Entertainment:** Access music, podcasts, and audiobooks.
- **Voice Control:** Activate Siri or Google Assistant by pressing the voice command button on your steering wheel or the module's interface.



Figure 6.1: Examples of CarPlay and Android Auto interfaces with common applications.

How to correctly for your Porsche PCM 3.0?



PCM 3.0:
Upright SIM
slot



PCM 3.1:
With silver chrome trim



PCM 4.0:
No chrome trim

Figure 6.2: The CarPlay interface displayed on a Porsche PCM 3.0 screen.

7. MAINTENANCE

To ensure optimal performance and longevity of your SHZSR CarPlay & Android Auto Upgrade Module:

- Keep the module and connections free from dust and moisture.
- Avoid exposing the unit to extreme temperatures.
- Regularly update your smartphone's operating system to ensure compatibility with CarPlay/Android Auto.
- If firmware updates are available for the module, follow the manufacturer's instructions carefully.

8. TROUBLESHOOTING

If you encounter issues with your module, refer to the following common solutions:

Problem	Possible Cause	Solution
No display/power	Loose power connection, incorrect wiring.	Check all power cables and ensure they are securely connected. Verify vehicle power is on.

Problem	Possible Cause	Solution
CarPlay/Android Auto not connecting wirelessly	Bluetooth/Wi-Fi off, phone not paired, interference.	Ensure phone's Bluetooth and Wi-Fi are on. Re-pair the device. Try a wired connection to confirm module functionality.
Audio issues (no sound, distorted)	Incorrect audio input selection, loose audio cables.	Verify the correct audio source is selected on your PCM. Check audio cable connections.
Controls not responding	Module not fully initialized, software glitch.	Restart the vehicle. If issues persist, consult the manufacturer's support.

9. SPECIFICATIONS

Feature	Detail
Model Number	PCM 3.0
Brand	SHZSR
Connectivity Technology	Mirror Link, Wireless Android Auto, Wireless CarPlay
Controller Type	Push Button (Original Car Knob Control)
Special Features	Non-destructive connection, Plug and Play, Support original / aftermarket Reverse/Front/360 camera, Supports CarPlay & Android Auto, Works with original car Bluetooth, Works with original car controls
Compatible Devices	2009-2010 Cayenne (957) models with PCM 3.0, 2009-2012 911 (997.2) models with PCM 3.0, 2009-2012 Boxster (987.2) models with PCM 3.0, 2009-2012 Cayman (987.2) models with PCM 3.0
Connector Type	LVDS
Audio Output Mode	Stereo
Control Method	Touch (via original car screen)
Item Weight	2 pounds
Package Dimensions	8 x 6 x 3.5 inches







10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your

product or contact SHZSR customer service directly. Keep your proof of purchase for warranty claims.
Manufacturer: YANGSH

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Related Documents - PCM 3.0

	<p>ISUDAR PCM 3.1 Wireless Carplay & Android Auto Module User Manual</p> <p>User manual for the ISUDAR PCM 3.1 module, detailing installation, features like Carplay and Android Auto, camera connections, microphone settings, button operations, and troubleshooting.</p>
	<p>Porsche Carplay Interface Installation Guide for PCM 3.1</p> <p>Step-by-step installation instructions for integrating a Carplay/Android Auto interface into Porsche PCM 3.1 systems, compatible with 911, 918, 991, Boxster, and Cayman models. Includes detailed guidance on disassembly, component connection, and system testing.</p>
	<p>Porsche Boxster, Boxster S, Boxster GTS Owner's Manual</p> <p>Comprehensive owner's manual for Porsche Boxster, Boxster S, and Boxster GTS models, covering operation, safety, maintenance, and features. Essential guide for Porsche drivers.</p>
	<p>Porsche PCM 3.1 User Manual: CarPlay, Android Auto, and Mirroring</p> <p>Comprehensive user manual for the Porsche PCM 3.1 system, detailing the setup and use of Apple CarPlay, Android Auto, wireless screen mirroring, and reversing camera features. Includes instructions for steering wheel control integration.</p>
	<p>Porsche 718 Features and Technology Guide</p> <p>A comprehensive guide to the features and technologies of the Porsche 718 models, including PCM, Apple CarPlay, advanced driver assistance systems, and performance options. This guide covers key functionalities and specifications.</p>
	<p>Porsche Connect: Owner's Manual and Guide</p> <p>Comprehensive guide to Porsche Connect services, including setup, usage, and features like Apple CarPlay, navigation, and vehicle remote control.</p>