

CHSTEK 8581A+Box

CHSTEK 8581A+Box Android Car Radio Instruction Manual

Model: 8581A+Box | Brand: CHSTEK

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the CHSTEK 8581A+Box Android Car Radio, designed for Porsche Cayman, 911, 987, and Boxster 997 models manufactured between 2005 and 2013. This 8-inch 1280x720P HD touch screen unit offers a comprehensive multimedia and navigation experience, integrating seamlessly with your vehicle's existing systems. It features an Android 13 operating system, wireless CarPlay, wired Android Auto, GPS navigation, 4G/WiFi connectivity, Bluetooth hands-free calling, FM radio, and an EQ function for enhanced audio quality.

Important Note: If your vehicle is equipped with a Harman Kardon or BOSE audio system, a fiber optic box may be required for proper sound functionality. Please contact support for assistance.

2. PACKAGE CONTENTS

Verify that all components listed below are included in your package:

- Main Unit (Android Car Radio)
- ISO Wiring Harness
- CANbus Cable
- USB Cables (2x)
- CANbus Box
- Optical Fibre Decoder (if applicable)
- Camera Cable
- 4G Antenna
- GPS Antenna
- Radio Antenna Cable
- Original USB Cable
- User Operation Manual

8581-A



microphone

4G + Wi-Fi

with fiber optic box



SW Control

GPS Track

AV OUT

 2GB+32GB

 8 Core 1.6GHz

 DSP*36EQ

 CarPlay+Android Auto

 Android 13

Figure 2.1: Included components of the CHSTEK 8581A+Box Android Car Radio. This image displays the main unit, various wiring harnesses, USB cables, and other accessories required for installation.

3. SETUP AND INSTALLATION

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation. Refer to the following videos for detailed installation guidance.

3.1. General Installation Overview

Video 3.1: This video provides a general overview of installing an 8.4-inch car stereo for Porsche 911/Cayman/Boxster models, highlighting key features and components.

3.2. Wiring Harness and Module Installation

Video 3.2: Detailed guide on connecting the Android car Bluetooth stereo with its wiring harness for Porsche vehicles. This video demonstrates the proper connection of various cables to the main unit.

Video 3.3: This video illustrates the installation process for a PCM 3.1 CarPlay module, showing how to integrate the module with the existing car radio system.

Video 3.4: This video demonstrates the installation of a PCM 3.1 module, focusing on the steps to connect the module to the car's existing head unit.

3.3. Before and After Installation



Figure 3.1: Visual comparison of the Porsche dashboard before and after the installation of the CHSTEK Android Car Radio, showcasing the integrated display.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the various functions and features of your new car radio.

4.1. Wireless CarPlay & Wired Android Auto

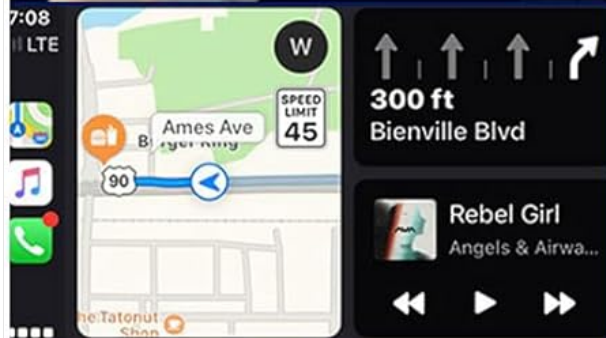
Connect your iPhone wirelessly or Android device via a wired connection to access a simplified version of your phone's screen on the car radio. This allows for navigation, calls, messages, and music playback through the car's display. Voice control (Siri or Google Assistant) is supported.



Figure 4.1: The Wireless CarPlay interface displayed on the car radio, showing common applications like Phone, Music, Maps,

and Messages.

Built-in Wireless CarPlay



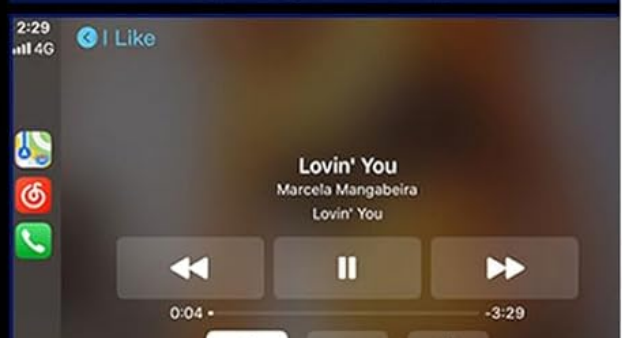
Online Map



Siri Voice Control



Call Up



Music

Figure 4.2: The Wired Android Auto interface, demonstrating navigation and music playback simultaneously on the car radio screen.

4.2. GPS Navigation & WiFi Connectivity

The head unit features built-in GPS navigation, supporting both online and offline maps. Download necessary offline maps for navigation without an internet connection. Real-time traffic conditions can be accessed with an internet connection. Connect to WiFi to stream online content, browse the web, and use various online applications.



Figure 4.3: The car radio interface showing options for 4G and WiFi connectivity, indicating support for a 4G SIM card slot and antenna.

4.3. Bluetooth Hands-free & FM Radio

Enjoy hands-free calling and Bluetooth music streaming. Download your phonebook for easy access to contacts. The FM radio provides 18 preset stations (FM 87.50-108.0 MHz) for news and music. An integrated EQ function allows for sound customization.

S Y N C H R O N O U S D I S P L A Y

Car Bluetooth



Open Bluetooth Pairing Successfully, You Can Synchronize The Phone Contacts.
Voice Control, Hands-Free Dialing, Take Calls, Play Music.



Phone



Address Book



Music



Figure 4.4: The car radio's Bluetooth interface, illustrating features for phone calls, address book access, and music playback.

4.4. Multiple UI Themes & Split Screen Function

Personalize your experience with multiple built-in UI desktop themes. The split-screen function allows you to run two different applications simultaneously, such as navigation and music playback.

Split Screen



Figure 4.5: The split-screen feature in action, showing video playback on one side and GPS navigation on the other, or navigation with a music player.

4.5. Rear Camera & Parking Sensor Support

The unit supports original rear cameras and parking sensors, providing visual assistance for safe parking and maneuvering. This integration ensures that existing vehicle safety features remain functional.



Figure 4.6: The main unit displaying the Apple CarPlay interface, which can also show parking sensor data and camera feeds when engaged.

5. MAINTENANCE

To ensure optimal performance and longevity of your CHSTEK 8581A+Box Android Car Radio, follow these maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with a screen cleaner or water to gently wipe the touch screen. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for software updates to ensure you have the latest features, bug fixes, and security enhancements. Follow the on-screen prompts or consult the manufacturer's website for update procedures.
- **Cable Connections:** Ensure all cables are securely connected. Loose connections can lead to intermittent functionality or signal loss.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **General Care:** Keep the unit free from dust and debris. Do not attempt to open the casing or perform repairs yourself, as this may void the warranty.

6. TROUBLESHOOTING

If you encounter any issues with your car radio, refer to the following common troubleshooting steps:

- **No Sound:** If your car has a Harman Kardon or BOSE audio system, ensure a fiber optic box is correctly installed. Check all audio connections.
- **Unit Not Powering On:** Verify that the power cable is securely connected and that the vehicle's battery has sufficient charge. Check the fuse.
- **CarPlay/Android Auto Connection Issues:** Ensure your phone's Bluetooth and Wi-Fi are enabled. For wired connections, try a different USB cable. Restart both the car radio and your mobile device.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky. Move the antenna if necessary.
- **Touch Screen Unresponsive:** Perform a soft reset of the unit (refer to the main unit's specific reset procedure). Ensure the screen is clean and free from obstructions.
- **Steering Wheel Controls Not Working:** Some high-grade versions of specific car models (e.g., Cayman 2010-2012) may not fully support steering wheel controls. Verify CANbus connections and settings.

If the problem persists after attempting these steps, please contact CHSTEK customer support for further assistance.

7. SPECIFICATIONS

Key technical specifications for the CHSTEK 8581A+Box Android Car Radio:

Feature	Specification
Item Weight	4.4 pounds
Package Dimensions	11.81 x 9.84 x 7.87 inches
Item Model Number	GMC
Display Size	8 Inches
Screen Size	8 Inches
Special Feature	Bluetooth, Touchscreen
Connectivity Technology	Wireless
Map Type	Worldwide
Manufacturer	CHSTEK
First Available	May 29, 2025

8. WARRANTY AND SUPPORT

The CHSTEK 8581A+Box Android Car Radio comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

For technical support, warranty claims, or any questions regarding your product, please contact CHSTEK customer service through the retailer where the product was purchased or refer to the contact information provided in your purchase documentation.