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› CUSP CarPlay AI Box User Manual

CUSP CV-PC11

CUSP CarPlay AI Box User Manual

Model: CV-PC11

1. INTRODUCTION

The CUSP CarPlay AI Box is designed to enhance your in-car entertainment and navigation experience by adding a full Android system to your vehicle's OEM factory radio with wired CarPlay. This device offers seamless integration, allowing you to access wireless CarPlay, wireless Android Auto, and various multimedia applications directly on your car's display. Key features include an 8-core Qualcomm chip, 4GB RAM + 64GB ROM for smooth performance, built-in 4G/5G WiFi, integrated GPS, and support for phone mirroring and split-screen functions. It is a plug-and-play solution that does not require dismantling your original car stereo.

2. PACKAGE CONTENTS

Upon opening the package, please verify that all components are present:

- CUSP CarPlay AI Box (Model CV-PC11)
- USB Cable
- Type-C Adapter (if required for your vehicle)
- User Manual (this document)

Complete set of box display

Note:The Package includes
Carplay Module and Short Data Cable.



Figure 2.1: Complete set of CUSP CarPlay AI Box components.

3. SETUP AND INSTALLATION

The CUSP CarPlay AI Box is designed for simple plug-and-play installation. Ensure your vehicle has an OEM factory radio with wired CarPlay functionality.

3.1 Connection Steps

1. Locate the OEM CarPlay USB port in your vehicle.
2. Connect the provided USB cable to the CUSP CarPlay AI Box.
3. Plug the other end of the USB cable into your car's CarPlay USB port. If your car's CarPlay port is Type-C, use the included Type-C adapter.
4. The device will automatically recognize the resolution of your original car screen and restart.
5. After restarting, the Android system will automatically connect.



Figure 3.1: USB Plug and Play Connection.

Connection Method



1.Complete connection



2.Using the Carplay box



Wireless Car Play & Wireless Android Auto

Update factory wired car play and android auto to Wireless. More convenient to use.



CarPlay



androidauto



Figure 3.2: Connection Method Overview.

3.2 Initial Setup and Bluetooth Pairing (for non-touch screens)

If your original car radio does not have a capacitive touch screen, you will need to use a CUSP remote control (if included) for navigation. Pair the Bluetooth remote control with the car head unit.

- Press and hold the "Next Song" and "Volume Reduction" keys on the remote for 2 seconds to activate pairing mode.
- The indicator light will flash to search for the flying mouse Bluetooth.
- Once paired, the Bluetooth icon will appear on the top toolbar of the screen.

For Bluetooth phone calls and music, pair your mobile phone with the car head unit via Bluetooth. This system retains the original car's central control operation functions, including steering wheel controls and voice commands.

4. OPERATING INSTRUCTIONS

Once connected, the CUSP CarPlay AI Box transforms your car's display into an Android interface, allowing access to a wide range of applications and features.

4.1 Navigating the Android System

- Tap the CarPlay icon on your car's original screen to enter the Android system.
- The interface can be swiped from left to right or right to left to navigate between screens.
- Press the "Home" icon to return to the main menu from any interface.

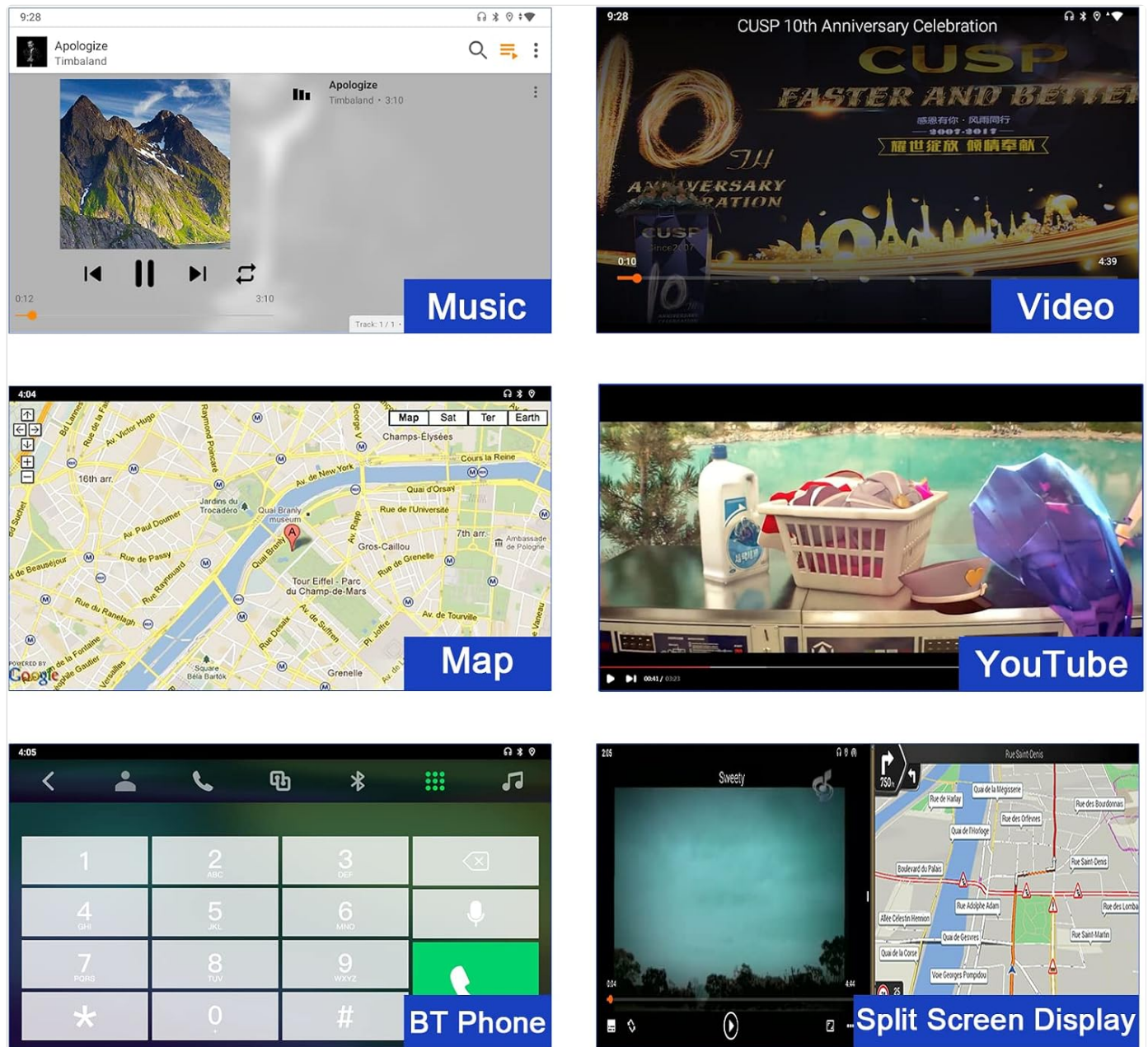


Figure 4.1: Android System Interface and Applications.

4.2 Wireless CarPlay and Android Auto

The device upgrades your factory wired CarPlay and Android Auto to wireless functionality.

- **For Wireless CarPlay:** Turn on Bluetooth on your iPhone. Pair your iPhone's Bluetooth with the car head unit. Once connected, CarPlay will launch wirelessly.
- **For Wireless Android Auto:** Turn on Bluetooth on your Android mobile phone. Pair your mobile phone's Bluetooth with the car head unit. Once connected, Android Auto will launch wirelessly.

WIRELESS. MORE CONVENIENT TO USE.



CarPlay



androidauto



Figure 4.2: Wireless CarPlay and Android Auto Functionality.

4.3 Multimedia Playback

The CUSP CarPlay AI Box supports various multimedia applications, including YouTube and Netflix, and allows playback of internal or external media files.

- **Video Playback:** Click the "Video" icon in the main menu to enter the video playback interface. Supports formats like H.263, P3, etc.
- **Audio Playback:** Click the "Audio" icon in the main menu to enter the audio playback interface. Supports formats like WMA, MP3, etc.
- **Streaming Apps:** Access pre-installed apps like YouTube and Netflix. Ensure the device is connected to a Wi-Fi hotspot (e.g., from your phone or a dedicated SIM card) for streaming content.



Figure 4.3: Multimedia Streaming Capabilities.

4.4 Navigation

Equipped with an integrated GPS module, the device provides precise online and offline navigation. It supports factory GPS systems on some Audi, Porsche, and Volvo vehicles without needing a separate GPS antenna.

- Access navigation apps like Google Maps or Igo Map from the main menu.
- The split-screen function allows you to run navigation alongside other applications simultaneously.



Figure 4.4: Integrated GPS Navigation.

4.5 Split Screen Functionality

Enjoy multitasking by running two applications simultaneously on the screen. This is particularly useful for navigation while playing music or watching videos.

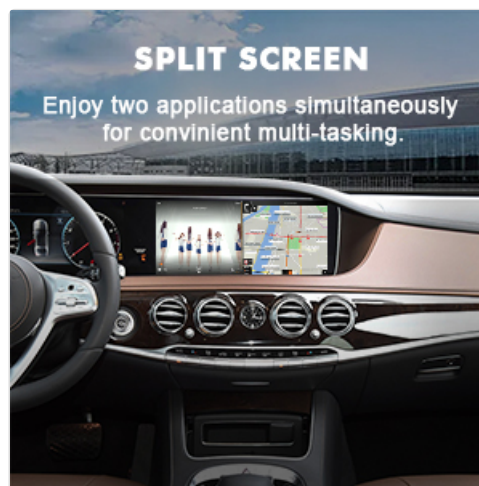


Figure 4.5: Split Screen Display.

4.6 Compatibility

The CUSP CarPlay AI Box is compatible with 98% of cars that have an original factory radio with wired CarPlay, manufactured between 2016 and 2025.

FIT FOR 98% CARS WHICH ORIGINAL FACTORY RADIO IS WITH WIRED CAR PLAY



Figure 4.6: Vehicle Compatibility Examples.

4.7 Official Product Video

Your browser does not support the video tag.

Video 4.1: "2021 New Wireless Car Play AI AS Box CUSP Android Smart USB" - This video demonstrates the installation process and various functionalities of the CUSP CarPlay AI Box in different car models, including wireless CarPlay/Android Auto, media playback, and navigation.

5. MAINTENANCE

To ensure the longevity and optimal performance of your CUSP CarPlay AI Box, follow these general maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or excessive moisture.
- Ensure proper ventilation around the device when in use.
- Periodically check for software updates from CUSP to ensure the best performance and compatibility.

- Handle the USB cable and connectors with care to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your CUSP CarPlay AI Box, please refer to the following troubleshooting steps:

Issue	Possible Cause	Solution
Device does not power on or connect.	Loose USB connection; incompatible car model; car's CarPlay port issue.	Ensure the USB cable is securely connected to both the AI Box and the car's CarPlay USB port. Verify your car model and year are within the supported range (2016-2025 OEM wired CarPlay). Try a different USB port in your car if available. Restart your car's infotainment system.
Wireless CarPlay/Android Auto not connecting or frequently disconnecting.	Bluetooth/Wi-Fi interference; incorrect pairing; phone settings.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Forget previous Bluetooth connections on both the car and phone, then re-pair. Ensure your phone's hotspot is not simultaneously used for the AI Box's internet connection if using wireless Android Auto (as reported by some users). Check for any software updates for the AI Box.
Lag or slow performance.	Too many apps running; insufficient memory; network speed.	Close unnecessary background applications. Ensure a stable and strong Wi-Fi signal for streaming. Clear cache of frequently used apps. Consider a factory reset if performance issues persist (refer to advanced settings or contact support).
Audio issues (e.g., audio only from one speaker in split screen).	Software conflict; specific app behavior.	Restart the AI Box and the car's infotainment system. Check audio settings within the specific applications. Ensure the AI Box software is up to date.
Device stuck in a boot loop.	Software corruption; power interruption during update.	Disconnect the device, wait a few minutes, then reconnect. Contact CUSP technical support for assistance with potential firmware reinstallation or factory reset procedures.

7. SPECIFICATIONS

Feature	Detail
Model Number	CV-PC11
Processor	Qualcomm Octa-Core Chip
Memory	4GB RAM + 64GB ROM
Connectivity	Bluetooth, Cellular (4G LTE), USB, Wi-Fi (2.4G/5G)
Navigation	Integrated GPS module (supports online/offline navigation)

Feature	Detail
Supported Features	Wireless CarPlay, Wireless Android Auto, Phone Mirroring, Split Screen, Google Voice, Steering Wheel Control
Display Size Compatibility	Designed for car displays with 12.3" (or similar) resolution.
Resolution	1080p
Item Weight	5.9 ounces
Package Dimensions	5.39 x 4.57 x 1.65 inches

8. WARRANTY AND TECHNICAL SUPPORT

CUSP provides comprehensive support for your CarPlay AI Box:

- **Warranty:** Manufacturer's limited 1-Year Warranty for defective items.
- **Technical Support:** Lifetime Professional Technical Support is available.
- **Software Updates:** Continued software updates are provided freely.
- **Contact:** For technical assistance or the latest software, please contact CUSP directly. Email replies are typically provided within 24 hours.

