Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

caramco JPCP

caramco Wireless CarPlay & Android Auto Module User Manual

Model: JPCP

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your caramco Wireless CarPlay & Android Auto Module. This module is designed to upgrade your vehicle's factory screen to support Wireless Apple CarPlay and Wireless Android Auto, integrating seamlessly with your car's original controls and audio system.

Important: This product is NOT plug-and-play. Installation requires advanced technical skills and disassembly of your vehicle's screen. Please read all instructions carefully before proceeding.



Figure 1.1: Comparison of the original factory screen interface (left) and the upgraded screen displaying the CarPlay interface (right).

2. Compatibility

This module is specifically designed for vehicles equipped with Harman 8.4-inch factory screens. Please verify your vehicle's system type before purchase and installation. It is not compatible with Panasonic units.

Compatible Vehicle Models:

Model	System	Year
Jeep Grand Cherokee	Harman 8.4-inch	2014-2017
Jeep Cherokee	Harman 8.4-inch	2014-2017
Dodge RAM Trucks	Harman 8.4-inch	2014-2018
Dodge Challenger	Harman 8.4-inch	2015-2018



Figure 2.1: Compatibility list and visual guide to identify Harman (compatible) vs. Panasonic (incompatible) head units by checking the phone icon on the screen.

3. Package Contents

Please check the package contents upon receipt to ensure all items are present:

- Wireless CarPlay & Android Auto Module
- Power Cable
- Camera Cable
- Video Connection Cable
- Screen Motherboard Adapter
- USB/Camera Cable



Figure 3.1: Overview of all accessories included in the caramco module package.

4. Installation (Setup)

WARNING: This installation is complex and requires experience with car electronics and screen disassembly. Incorrect installation can permanently damage your vehicle's screen. If you are not confident, seek professional installation.

4.1 Skill Level Required:

- Experience with automotive electronics and dashboard disassembly.
- Comfort handling delicate FPC (Flexible Printed Circuit) connectors.
- Ability to troubleshoot video signal issues.

4.2 Installation Steps:

1. **Prepare Vehicle:** Ensure the vehicle is turned off and the battery is disconnected to prevent electrical damage.
2. **Remove Dashboard Trim:** Carefully remove the necessary dashboard trim panels to access and extract the factory

screen unit. Refer to your vehicle's service manual for specific trim removal procedures.

3. **Extract Factory Screen:** Disconnect all cables from the back of the factory screen and carefully remove it from the dashboard.
4. **Open Screen Housing:** On a clean, static-free surface, carefully open the housing of the factory screen to access its internal motherboard.
5. **Locate FPC Connector:** Identify the specific FPC connector on the screen's motherboard where the included adapter cable needs to be inserted. This is a critical step; refer to the detailed installation guide (available from the seller) for precise location and orientation.
6. **Insert Adapter Cable:** Gently insert the provided FPC adapter cable into the identified connector. Ensure correct orientation and a secure connection. Improper insertion can damage the FPC connector or the motherboard.
7. **Reassemble Screen:** Carefully close the screen housing, ensuring no cables are pinched.
8. **Connect Module:** Connect the module's power cable, video input/output cables, and other necessary connections to the factory screen and the new module.
9. **Test Video Signal:** Before fully reinstalling into the dash, temporarily connect the screen and module, reconnect the vehicle battery, and test the video signal and functionality of the CarPlay/Android Auto system.
10. **Reinstall into Dash:** Once confirmed working, carefully reinstall the screen and module into the dashboard, securing all trim panels.

Recommendation: Before purchasing or attempting installation, message the seller to request the full installation guide, which includes photos and videos, to assess the complexity and ensure you or your installer are prepared.

5. Operating Instructions

5.1 Switching Between Systems

Your factory system remains fully accessible. To switch between your vehicle's original interface and the CarPlay/Android Auto interface, press and hold the screen for approximately 2 seconds.

5.2 Wireless Connectivity (CarPlay & Android Auto)

The module utilizes 5GHz WiFi for data transmission and your original car's Bluetooth for initial pairing and calls, ensuring stable and lag-free performance.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On your car's screen (in the module interface), navigate to the CarPlay or Android Auto section.
3. Search for the module's Bluetooth name on your phone and pair with it.
4. Once paired via Bluetooth, your phone will automatically connect via Wi-Fi for CarPlay or Android Auto functionality.



Figure 5.1: Display of Wireless CarPlay (left) and Wireless Android Auto (right) on the vehicle's screen.

5.3 Vehicle Controls Integration

The module maintains full OEM protocol compatibility, allowing you to use your vehicle's original controls:

- **Steering Wheel Controls:** Use your steering wheel buttons for volume adjustment, track skipping, and voice commands.
- **Knob Control:** If your vehicle has a control knob, it will function within the CarPlay/Android Auto interface.
- **Touchscreen:** The factory touchscreen functionality is fully retained for direct interaction with the CarPlay/Android Auto interface.

5.4 Audio and Microphone

Audio is streamed directly through your car's factory Bluetooth system, providing superior sound quality compared to AUX-only solutions. Your vehicle's original microphone is utilized for calls and voice commands, eliminating the need for an external microphone.

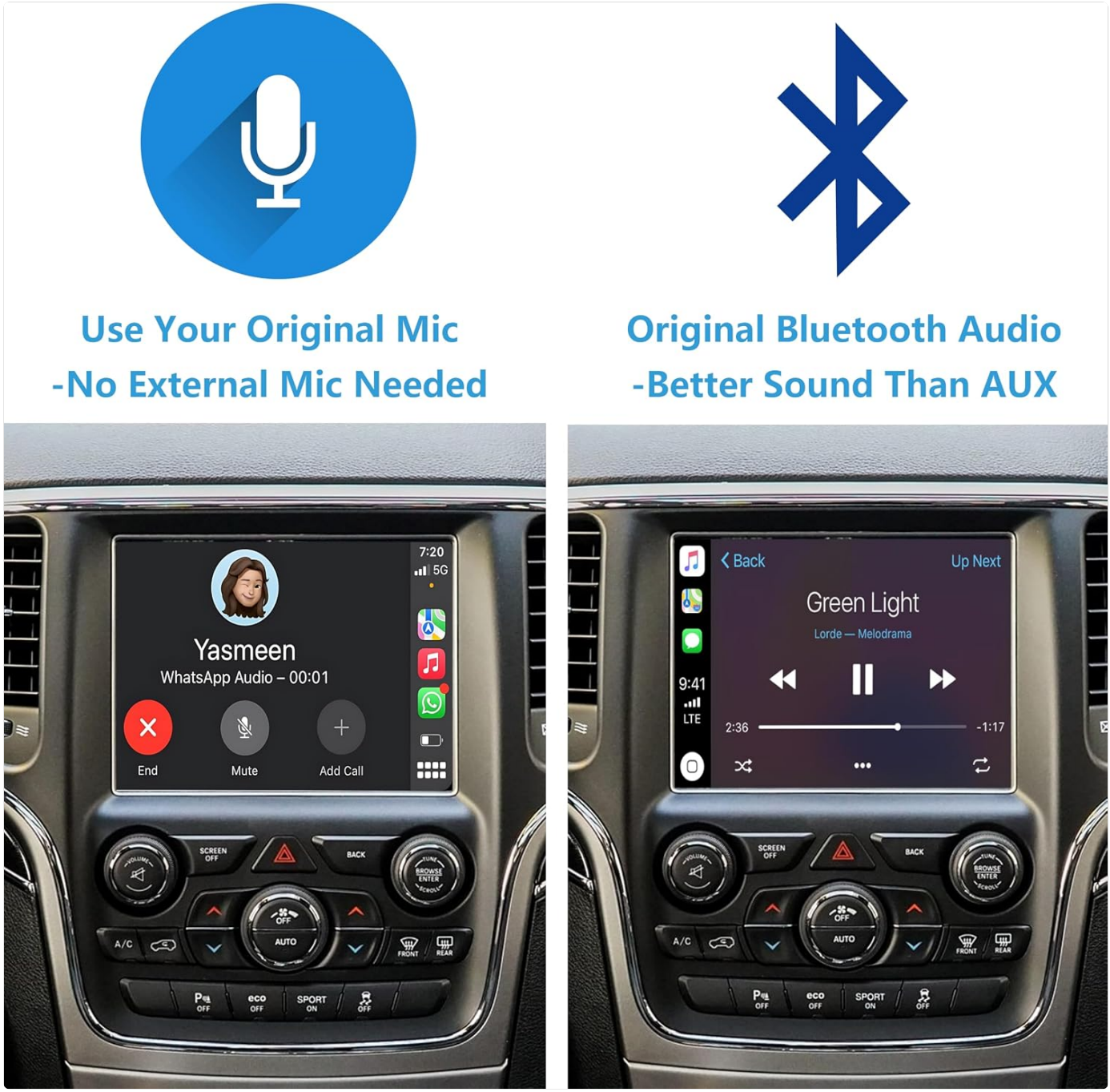


Figure 5.2: Utilizing the original microphone for calls (left) and streaming audio via original Bluetooth (right).

5.5 Camera Support

The module is compatible with both factory-installed rear and 360-degree cameras, as well as aftermarket camera systems. Your original camera view will display as usual when reversing.



Figure 5.3: Demonstrating touchscreen control, original camera display, and steering wheel controls.

6. Maintenance

To ensure the longevity and optimal performance of your module:

- Keep the module and surrounding area clean and free from dust.
- Avoid exposing the module to extreme temperatures or direct sunlight for prolonged periods.
- Do not attempt to open the module housing, as this may void any warranty and could damage the internal components.
- Ensure all cable connections remain secure.

7. Troubleshooting

If you encounter issues with your caramco module, please refer to the following troubleshooting steps:

- **No Display/Black Screen:**
  - Check all video cable connections between the module, screen, and vehicle.

- Ensure the FPC adapter cable inside the screen is correctly seated.
- Verify the module is receiving power.

- **CarPlay/Android Auto Not Connecting:**
  - Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
  - Forget the device from your phone's Bluetooth settings and attempt to pair again.
  - Restart your smartphone.
  - Restart the vehicle (turning off and on) to reset the module.
- **Screen Freezes/Unresponsive:**
  - Restart the vehicle to power cycle the module.
  - Ensure your smartphone's operating system is up to date.
  - If using a USB connection for charging, try disconnecting it.
- **Poor Audio Quality:**
  - Ensure your phone's volume is adjusted appropriately.
  - Verify that audio is routing through the car's Bluetooth system and not another source.

If problems persist after following these steps, please contact caramco customer support for further assistance.

8. Specifications

Feature	Detail
Model Number	JPCP
Connectivity Technology	Bluetooth, Wi-Fi (5GHz)
Special Features	Wireless Android Auto, Wireless Apple CarPlay
Compatible Devices	Smartphone
Control Method	Touch, Steering Wheel, Knob
Audio Output Mode	Stereo (via vehicle's Bluetooth)
Video Encoding	H.264, H.265/HEVC
Connector Type	CAN, Video

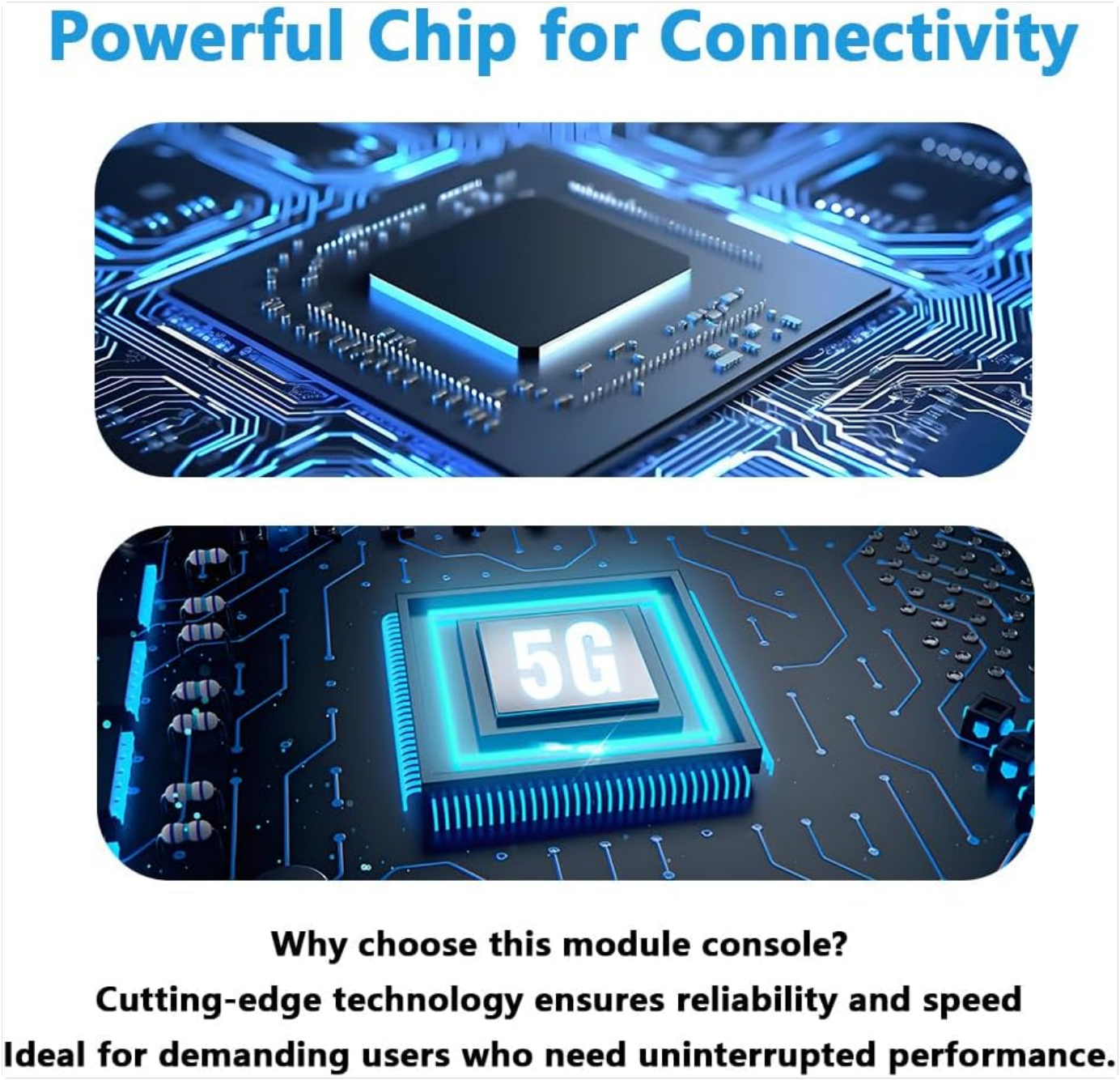


Figure 8.1: High-performance chip for reliable and fast connectivity.

9. Warranty and Support

For warranty information, technical support, or any inquiries regarding your caramco Wireless CarPlay & Android Auto Module, please contact the seller or manufacturer directly through your purchase platform. Please have your order details and product model number (JPCP) ready when contacting support.

© 2024 caramco. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0F2SLSTC9

More documents and user manuals: **https://manuals.plus/**