Carlinkit CPC200-Tbox

CarlinKit Tbox-LITE S (CPC200-Tbox) User Manual

Wireless CarPlay, Android Auto, and HDMI Output System

1. Introduction

The CarlinKit Tbox-LITE S (model CPC200-Tbox) is an advanced in-car multimedia adapter designed to enhance your driving experience. It converts your vehicle's existing wired CarPlay or wired Android Auto system into a wireless one, while also providing an HDMI output for rear-seat entertainment. This device allows you to access popular streaming services, navigation apps, and more directly on your car's display and external monitors.

2. Package Contents

Verify that all items are present in the package before proceeding with installation.

- CarlinKit Tbox-LITE S Device (1)
- USB-A to USB-C Data Cable (1)
- USB-C to USB-C Data Cable (1)
- User Manual (1)



Image: CarlinKit Tbox-LITE S device, two data cables (USB-A to USB-C and USB-C to USB-C), and the user manual.

3. Specifications

Brand	Carlinkit
Model Name	CarlinKit CPC200-Tbox-LITE S
Model Number	CPC200-Tbox
Vehicle Service Type	For OEM Wired TouchScreen Cars (wired CarPlay/wired Android Auto)

Connectivity Technology	Plug and Play, Wired to Wireless (Dual WiFi + Bluetooth 5.4)
Special Features	HDMI output for car, wireless CarPlay adapter, Android Auto wireless, car video streaming, plug and play car box, Built-in GMS, OTA updates
Compatible Devices (Wireless CarPlay)	iPhone 6 and above / iOS 10.0 and above
Compatible Devices (Wireless Android Auto)	Android phone with Android 11.0 and above (Note: Some Huawei/Redmi/Xiaomi models may not be compatible)
Included Components	Product unit, 2 data cables, user manual
Are Batteries Included	No

4. Compatibility

The CarlinKit Tbox-LITE S is designed for vehicles equipped with factory-installed wired Apple CarPlay or wired Android Auto. It converts these wired connections into wireless functionality and adds an Android operating system with HDMI output.

- **Wireless CarPlay:** Requires iPhone 6 or newer with iOS 10.0 or higher. For a list of compatible CarPlay vehicles, visit Apple CarPlay Compatible Models.
- **Wireless Android Auto:** Requires an Android phone with Android 11.0 or higher. Some Huawei, Redmi, and Xiaomi models may not be fully compatible. For a list of compatible Android Auto vehicles, visit Android Auto Compatible Models.





Image: Device compatibility with various phone models and car brands.

5. Setup Instructions

Follow these steps to set up your CarlinKit Tbox-LITE S device:

5.1 Initial Connection

1. **Connect the Device:** Plug the CarlinKit Tbox-LITE S into your car's USB port that supports wired CarPlay or wired Android Auto. Use the appropriate data cable provided (USB-A to USB-C or USB-C to USB-C).



Image: Connecting the device to the car's USB port.

2. **Access AutoKit App:** On your car's display, navigate to and click on the "AutoKit" application icon. This app is part of the CarlinKit Android page interface.



Image: Selecting the AutoKit application on the car's screen.

3. **Pair with Phone:** Turn on Wi-Fi and Bluetooth on your smartphone. Connect to the CarlinKit Tbox-LITE S via Bluetooth. Once connected, the device will automatically access the CarPlay or Android Auto interface. Ensure your phone's Wi-Fi is not occupied by another connection during this process.



Image: Bluetooth pairing process and the resulting wireless CarPlay/Android Auto interface.

5.2 HDMI Output Connection

To mirror the front screen to a rear-seat display:

1. Connect an HDMI cable (not included) from the HDMI port on the CarlinKit Tbox-LITE S to the HDMI input of your rear-seat display.
2. Ensure the rear-seat display is set to the correct HDMI input source.
3. The content displayed on your car's main screen will now be mirrored to the rear display.





Image: HDMI output functionality mirroring content to a rear screen.

6. Operating Instructions

6.1 Wireless CarPlay / Android Auto

Once connected, your car's display will show the wireless CarPlay or Android Auto interface. You can use your car's original controls (touchscreen, steering wheel buttons, rotary knobs, touchpad) to navigate the interface.

- **CarPlay:** Access navigation (Apple Maps, Google Maps, Waze), make calls, send messages, and play music from your iPhone.
- **Android Auto:** Utilize Google Maps, make calls, send messages, and stream music from your Android phone.



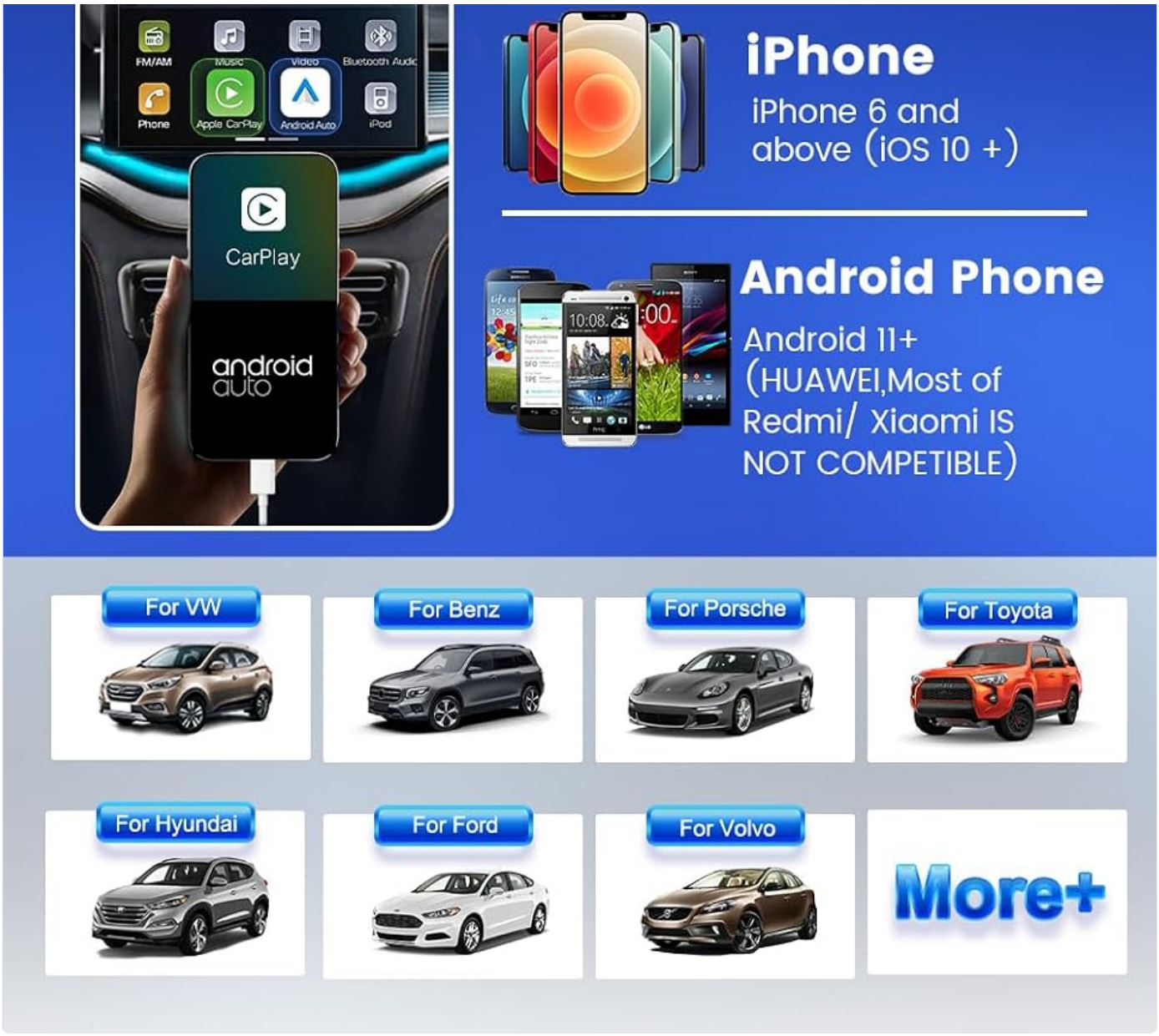


Image: Wireless CarPlay and Android Auto interface on the car's display.

6.2 Online Streaming and Apps

The Tbox-LITE S features an integrated Android system with Google Mobile Services (GMS), allowing you to download and use various applications directly on your car's screen via dual Wi-Fi connectivity.

- **Streaming Services:** Watch Netflix, YouTube, TikTok, Disney+, and more.
- **Navigation:** Use Google Maps, Waze, or other preferred navigation apps.
- **Music:** Stream music from Spotify, YouTube Music, etc.

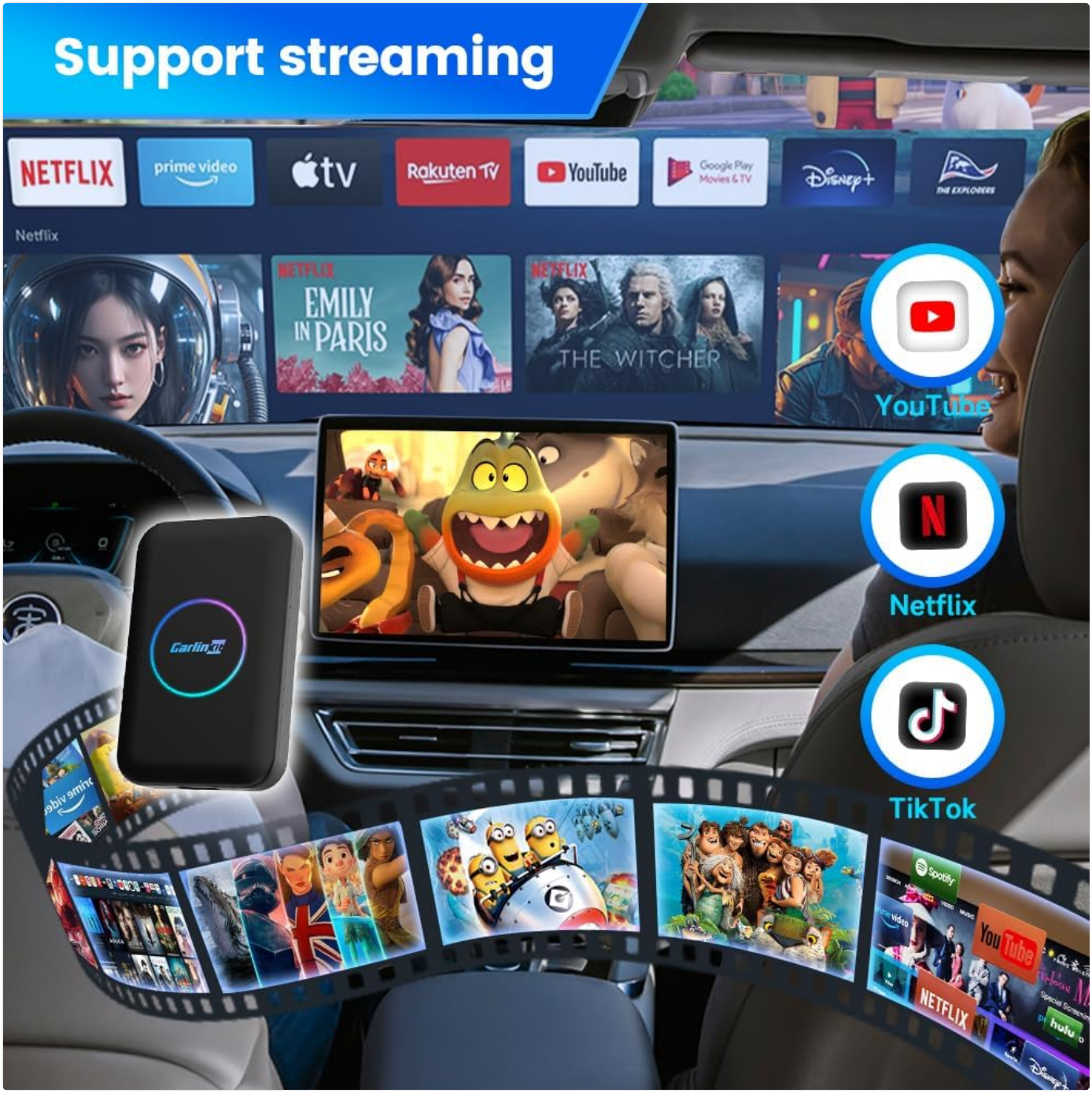


Image: Online streaming applications displayed on the car's screen.

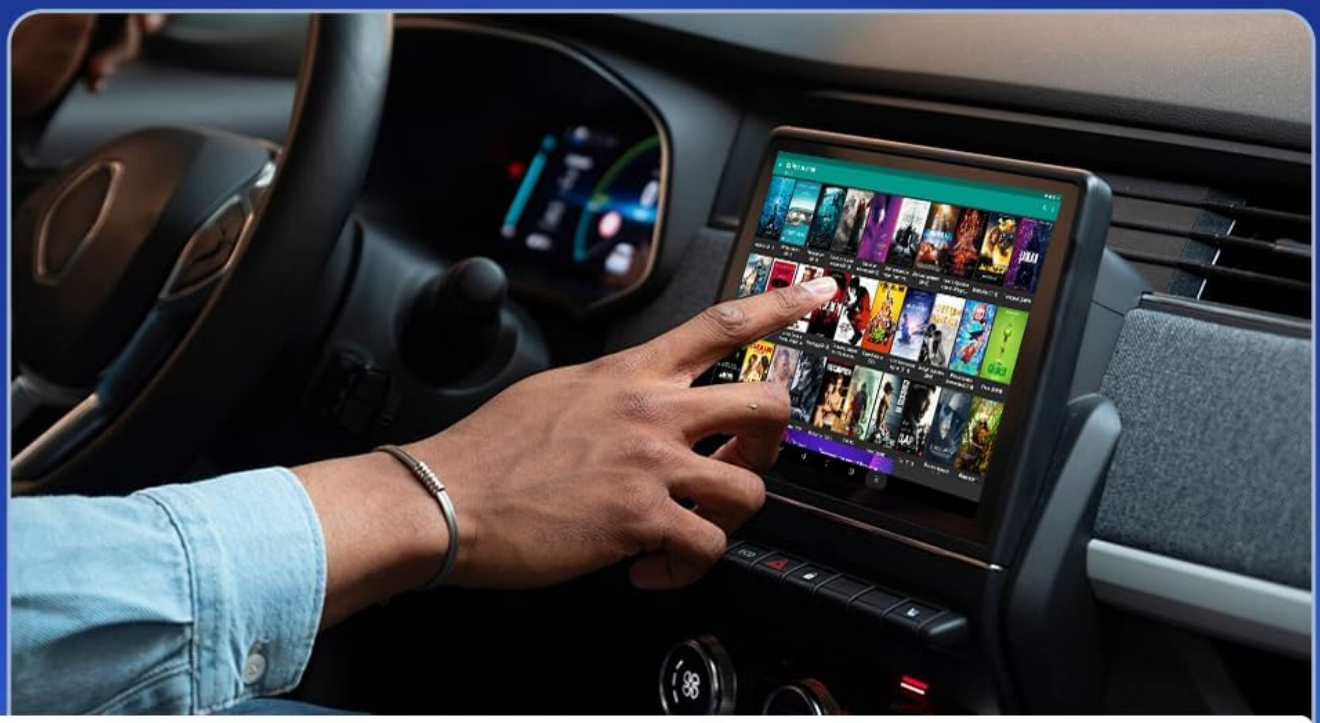
6.3 Retaining Original Car Controls

The device is designed to seamlessly integrate with your vehicle's existing control mechanisms. You can continue to use the following to interact with the Tbox-LITE S interface:

- Touch Screen Control
- Rotary Knobs
- Touchpad
- Steering Wheel Buttons

Retain the original vehicle controls

Retain all the functions of the original car,
no need to change driving habits, travel safer



Touch Screen Control



Rotate Knob



Touchpad



Steering Wheel

Image: Various original car controls used to operate the device.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, disconnect the device from the car's USB port and store it in a cool, dry place.
- **Software Updates (OTA):** The CarlinKit Tbox-LITE S supports Over-The-Air (OTA) updates. Periodically check for and install available updates to ensure optimal performance and access to new features. Connect the device to a Wi-Fi network to perform updates.



Image: Device connected, ready for operation or maintenance checks.

8. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Loose USB connection, car's USB port not providing power.	Ensure the USB cable is securely connected. Try a different USB port in the car if available. Verify the car's USB port is functional.
Cannot connect to Wireless CarPlay/Android Auto.	Bluetooth/Wi-Fi issues, phone compatibility, car's wired CarPlay/Android Auto not active.	• Ensure Bluetooth and Wi-Fi are enabled on your phone and not connected to other devices. • Verify your phone meets the minimum OS requirements (iOS 10+ for CarPlay, Android 11+ for Android Auto). • Confirm your car has factory wired CarPlay/Android Auto and it is active. • Restart both your phone and the car's infotainment system.
No display on rear HDMI screen.	Loose HDMI cable, incorrect input selected on rear screen.	Ensure the HDMI cable is securely connected to both the Tbox-LITE S and the rear display. Select the correct HDMI input source on the rear display.

Apps are slow or unresponsive.	Poor Wi-Fi signal, too many apps running, outdated software.	• Ensure a strong Wi-Fi connection. • Close unnecessary background applications. • Check for and install any available OTA software updates. • Restart the device by unplugging and replugging it.

If you encounter issues not listed here, please refer to the support section for further assistance.

9. Warranty Information

The CarlinKit Tbox-LITE S (CPC200-Tbox) comes with a 1-year limited warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.
Please retain your proof of purchase for warranty claims.

10. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact CarlinKit customer support through the following channels:

- **Online Support:** Visit the official Carlinkit website for FAQs and support resources.
- **Email Support:** Refer to the contact information provided in your product packaging or on the official website.

When contacting support, please have your product model number (CPC200-Tbox) and proof of purchase readily available.

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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