Carlinkit Mini Ultra

Carlinkit Mini Ultra Wireless CarPlay & Android Auto Adapter Instruction Manual

Model: Mini Ultra

1. INTRODUCTION

The Carlinkit Mini Ultra Wireless CarPlay & Android Auto Adapter is designed to convert your vehicle's existing wired CarPlay or Android Auto system into a wireless connection. This compact device allows for seamless integration with your car's infotainment system, providing wireless access to navigation, music, phone calls, and voice assistants.
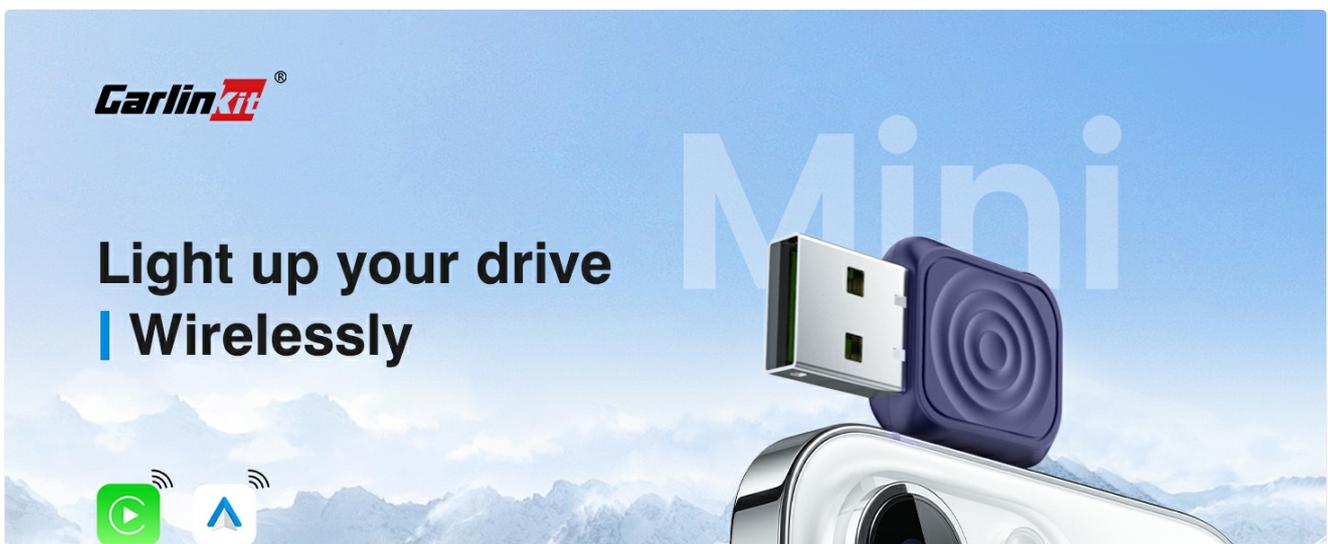

Image 1.1: The Carlinkit Mini Ultra adapter converts wired CarPlay and Android Auto to wireless.

Key Features:

- **Wireless Connectivity:** Converts wired CarPlay/Android Auto to wireless via USB-A/Type-C.

- **Universal Compatibility:** Designed for vehicles with factory-installed wired CarPlay or Android Auto. Supports iPhone 6+ (iOS 10+) and Android phones (Android 11+).

- **Compact Design:** Ultra-compact (32.85×20×6.55mm) for discreet placement.

- **Factory Integration:** Preserves original vehicle functionality, including steering wheel controls, knobs, and microphone.

- **Plug & Play Setup:** Simple one-time pairing process for automatic wireless connection.
- **OTA Updates:** Supports Over-The-Air updates for continuous feature enhancements.

2. SETUP INSTRUCTIONS

Follow these steps to set up your Carlinkit Mini Ultra adapter for the first time.

2.1 Initial Connection

1. **Insert the Adapter:** Plug the Carlinkit Mini Ultra adapter into your vehicle's USB-A or Type-C port. An included Type-C converter can be used if your car only has a Type-C port.
2. **Power On:** The adapter will power on, indicated by a blue light.
3. **Enable Bluetooth & Wi-Fi:** On your iPhone or Android phone, turn on both Bluetooth and Wi-Fi.
4. **Pair with Adapter:** On your phone, search for the Bluetooth device named "VehiConn_xxxx" (where xxxx is a unique identifier) and connect to it.
5. **Confirm Connection:** Follow any on-screen prompts on your car's display to confirm the connection and agree to use wireless CarPlay or Android Auto.

4 Steps Easy Setup

Step 1
Insert the adapter into the car's USB-A/Type-C port

Step 2
Turn on the WiFi and Bluetooth of the iPhone/Android phone

Step 3
Enter the Bluetooth interface of the iPhone/Android phone and search for the Bluetooth name displayed on the car screen

Step 4
Tap Connect and agree to use CarPlay/Android Auto in-car to access wireless CarPlay/Android Auto

Image 2.1: Visual guide for the 4-step easy setup process.

2.2 Video Guide: Wireless Android Auto & CarPlay Adapter

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Video 2.2: Official demonstration of the Carlinkit Mini Ultra Wireless Android Auto & CarPlay Adapter setup and functionality.

3. OPERATING INSTRUCTIONS

Once successfully paired, the Carlinkit Mini Ultra adapter will automatically connect to your phone each time you start your car.

3.1 Wireless CarPlay and Android Auto

- Your car's display will show the CarPlay or Android Auto interface wirelessly.

- Navigate through apps, make calls, send messages, and use navigation directly from your car's screen.

- Utilize your vehicle's original controls, including steering wheel buttons, rotary knobs, and touch screen, to interact with the wireless system.
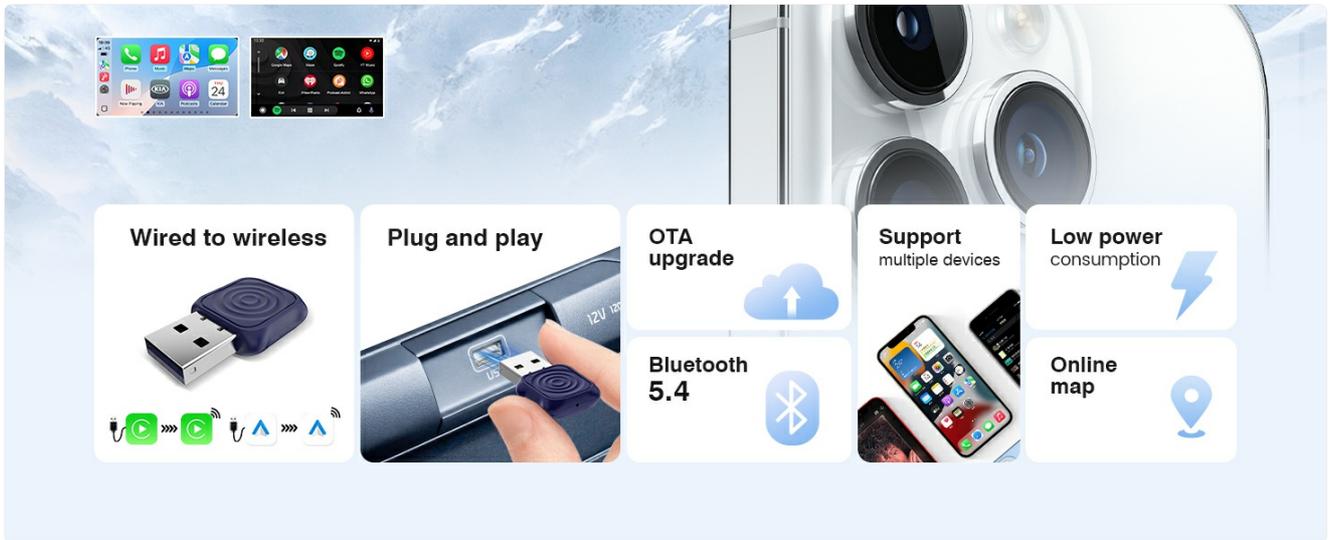
Image 3.1: Wireless CarPlay and Android Auto interfaces in use.

Image 3.2: The adapter retains original car controls for seamless operation.

4. MAINTENANCE

To ensure optimal performance and longevity of your Carlinkit Mini Ultra adapter, consider the following maintenance tips:

- **Keep Clean:** Periodically wipe the adapter with a dry, soft cloth to remove dust or debris. Avoid using liquid cleaners.
- **Temperature:** Avoid exposing the device to extreme temperatures, both hot and cold, as this can affect its performance and lifespan.
- **Secure Placement:** Ensure the adapter is securely plugged into the USB port to prevent accidental disconnections or damage.

4.1 Firmware Updates (OTA)

The Carlinkit Mini Ultra supports Over-The-Air (OTA) firmware updates to improve performance, add new features, and fix bugs. To check for and install updates:

1. Connect your phone to the adapter's Wi-Fi network (usually named "VehiConn_xxxx" with password "12345678").
2. Open a web browser on your phone and enter the IP address **192.168.50.100**.
3. On the web interface, look for an "Online Updates" or similar section.
4. Follow the on-screen instructions to download and install any available updates. Ensure your phone has mobile data enabled to access the update server.
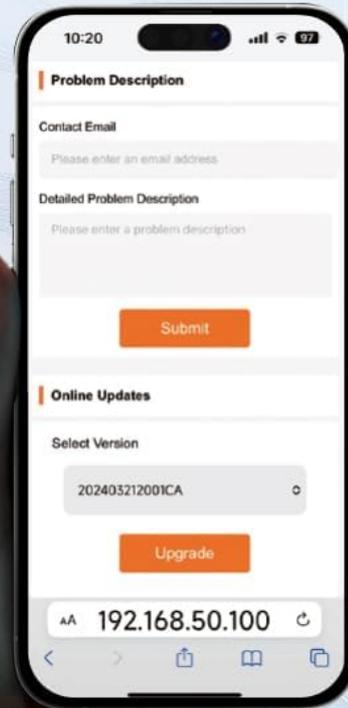
Image 4.1: Accessing the adapter's web interface for updates and settings.

5. TROUBLESHOOTING

If you encounter issues with your Carlinkit Mini Ultra adapter, try the following solutions:

Problem	Solution
Adapter not powering on (no blue light)	Ensure the adapter is fully inserted into the car's USB port. Try a different USB port if available. Check if the car's USB port is active.
Cannot find "VehiConn_xxxx" Bluetooth device	Ensure Bluetooth is enabled on your phone. Restart your phone and the car's infotainment system. Unplug and re-plug the adapter.
Connection drops frequently or is unstable	Ensure your phone's Wi-Fi is enabled (it works in conjunction with Bluetooth for data transfer). Keep your phone close to the adapter. Check for firmware updates (see Section 4.1).

Problem	Solution
Audio lag or poor sound quality	Ensure no other Bluetooth devices are interfering. Try restarting the adapter and your phone. Check for firmware updates.
CarPlay/Android Auto not launching automatically	Verify the initial pairing steps were completed correctly. On some car systems, you may need to manually select the CarPlay/Android Auto icon on the screen after connection.

6. SPECIFICATIONS

Detailed technical specifications for the Carlinkit Mini Ultra adapter:

Feature	Detail
Model	Mini Ultra
CPU	Dual core 1.0GHz MIPS
Power Input	5V±0.2V – 1.0A
Bluetooth Version	5.8GHz (Note: This likely refers to Wi-Fi frequency for data, not Bluetooth version)
Wi-Fi Frequency	Screw (Note: This value seems incorrect, likely a data entry error. Typically 2.4GHz/5GHz)
Color	Dark Blue
Product Dimensions (L x W x H)	32.85 x 20 x 6.55 mm (1.29 x 0.79 x 0.26 inches)
Product Weight	0.0041 kg (0.14 oz)
Connector Type	USB-A, with Type-C converter included
Compatible Devices	iPhone (iOS 10+), Android Phone (Android 11+)

Product Information

Model:	Mini Ultra
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Bluetooth Version:	5.8GHz
WiFi Frequency:	Screw
Colour:	Dark Blue
Product Size:	32.85x20x6.55mm
Product Weight:	0.0041kg

32.8mm

20mm

Blister Packing*1,Product*1, OTG Adapter *1

Image 6.1: Product information and dimensions of the Mini Ultra adapter.

7. WARRANTY AND SUPPORT

For warranty information, technical support, or customer service inquiries, please refer to the contact details provided with your product packaging or visit the official Carlinkit website.

Online Resources:

- Official Carlinkit Website: www.carlinkit.com
- Customer Service Email: support@carlinkit.com