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## cuarko BY960A

# cuarko Android Auto Wireless Adapter User Manual

Model: BY960A

Brand: cuarko

## 1. PRODUCT OVERVIEW

The cuarko Android Auto Wireless Adapter is designed to convert your car's existing wired Android Auto system into a wireless one. This adapter facilitates seamless connectivity between your Android smartphone and your car's infotainment system, allowing for wireless access to navigation, music, messaging, and calls. It aims to enhance driving safety and convenience by eliminating the need for physical cable connections.



Image 1.1: The cuarko Android Auto Wireless Adapter, showing its compact design and included USB-C adapter.

### Key Features:

- **Wireless Conversion:** Converts wired Android Auto to wireless, supporting Android OS 12 or above.
- **Plug & Play Installation:** Simple 3-step setup for quick deployment.
- **High-Speed Connectivity:** Utilizes 5.8 GHz Wi-Fi and Bluetooth 5.3 with a 2-core processor for fast, latency-free transmission.
- **Durable Design:** Constructed with aerospace-grade aluminum and a toughened glass panel for durability and efficient heat dissipation. Includes a 4.3-inch nylon braided cable and a USB to USB-C adapter.
- **Automatic Reconnection:** Automatically connects to your phone after initial setup.

# Robust & Compact

Solid aluminum frame and toughened glass with extreme durability and high robustness



Image 1.2: Illustration of the adapter's robust and compact design, highlighting its smaller size compared to previous generations.

# The 3RD GEN

Intelligent Chip Solution



cuarko



Ultra-low  
Latency



Car  
Connection



Stable  
Signal



Auto  
Reconnection



Gen 2



Low  
Latency



Car  
Connection



Weak  
Signal



Auto  
Reconnection



Gen 1



High  
Latency



Car  
Connection



Intermittent  
Signal



No  
Reconnection

Image 1.3: Diagram illustrating the performance improvements of the 3rd generation intelligent chip solution, including ultra-low latency and stable signal.

## 2. SETUP AND INSTALLATION

Follow these steps to set up your cuarko Android Auto Wireless Adapter and establish a wireless connection.

### 2.1. Compatibility Check



Before installation, ensure your car and phone are compatible with the adapter.

1. **Check your car:** Your vehicle or aftermarket stereo must be equipped with wired Android Auto functionality. This product cannot add Android Auto to vehicles that do not originally support it.
2. **Check your phone:** Your Android phone must be running Android 12 or above and have the latest Android Auto app installed. Compatible devices include Google Pixel, Samsung Galaxy, LG, OnePlus, and other Android phones.

# Check Compatibility

**This product can not add the Android Auto function to vehicles which are not equipped with Android Auto originally**

Step 1

## 1 Check your car.

Make sure your car or aftermarket stereo is compatible with Android Auto.

**You should check the compatibility of the vehicle on the official website of Android Auto or consult our team to confirm.**

98%



Step 2

## 2 Check your phone.

Make sure your phone gets the latest Android Auto app and is running Android 12 or above.

Galaxy S Series

Google Pixel

Galaxy Note



Image 2.1: Visual guide for checking car and phone compatibility with the adapter.

## 2.2. Installation Steps

The installation process is designed to be quick and straightforward.

1. **Plug in USB:** Connect the cuarko Android Auto Wireless Adapter to your car's USB port that supports Android Auto data transfer. Note that some USB slots are for charging only and do not support data transfer.
2. **Pairing:** On your smartphone, activate Bluetooth detection. Follow the on-screen instructions on your car's display to pair your phone via Bluetooth with the adapter.
3. **Use Android Auto:** Once paired, Android Auto should launch automatically on your car's display. To ensure automatic connection every time you enter the car, verify that the "Start automatically" option is enabled in your car's Android Auto settings.

**Important:** Before starting the setup, ensure you forget any regular Bluetooth/Wi-Fi connections your phone might have with your car to prevent interference and ensure a smooth pairing process with the adapter.

Those USB slots which are only use for charging do not have data transfer ability, please insert into correct USB slot which supports Android Auto.



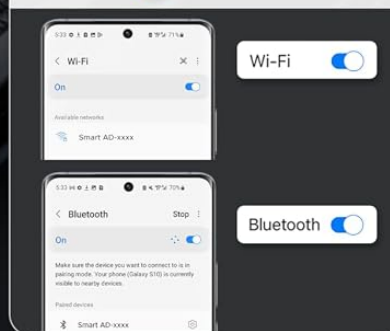
## Just Plug In

Pair in 3 steps, setup is a breeze

### 1 Plug in USB



### 2 Pairing



### 3 Use Android Auto



To active Android Auto automatic connection, you may need to turn on the "Start automatically" in the car settings.

Image 2.2: Step-by-step visual guide for plugging in, pairing, and using the Android Auto Wireless Adapter.



Please ensure all Wi-Fi/Bluetooth peripherals in the car have been closed to avoid interference.

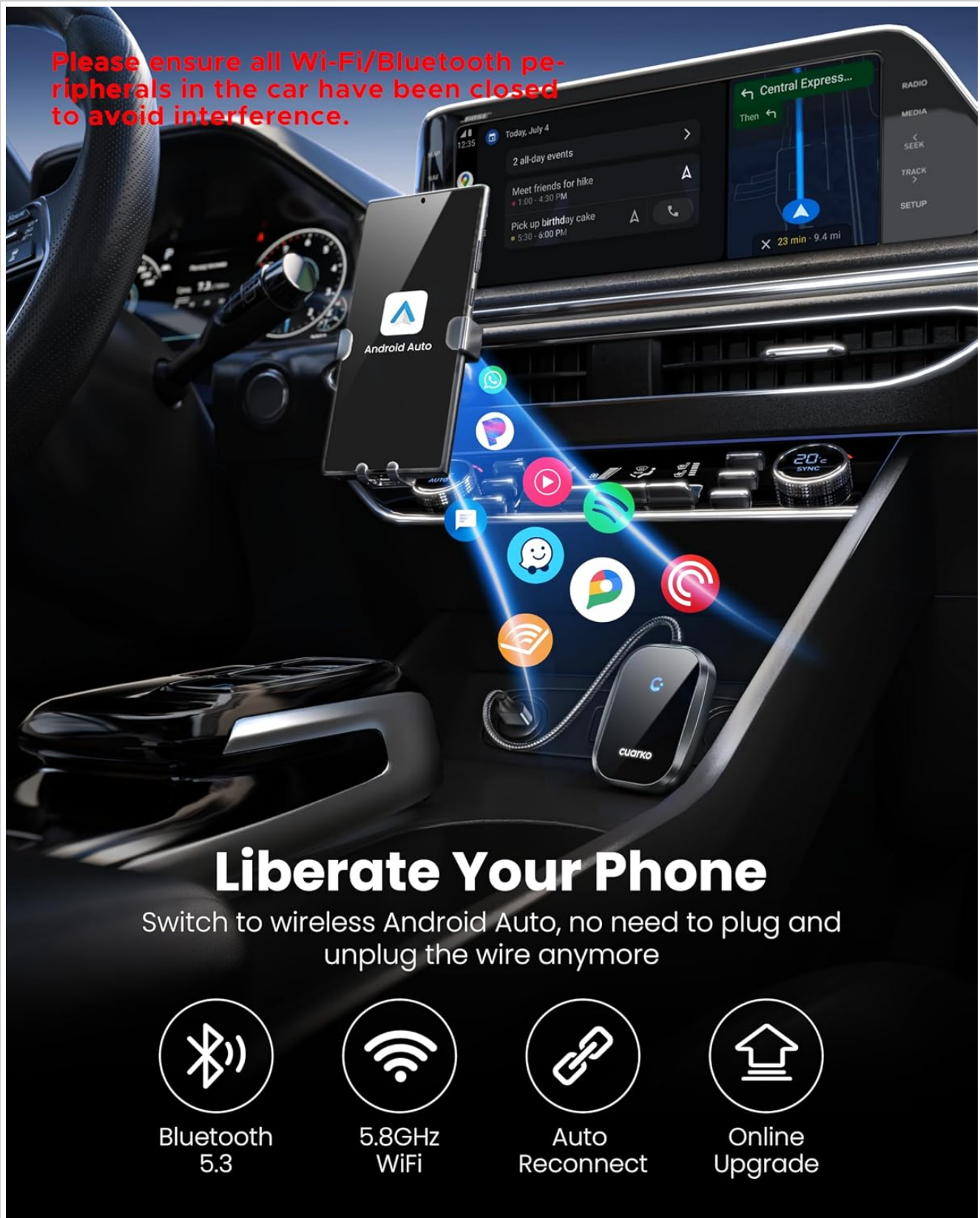


Image 2.3: Depiction of the wireless connection, showing phone apps accessible on the car screen via the adapter.

### 3. OPERATING INSTRUCTIONS

Once the adapter is successfully set up, it will automatically connect to your phone when you start your car. You can then interact with Android Auto wirelessly using your car's native controls.

#### 3.1. Wireless Functionality



- **Automatic Connection:** After the initial pairing, the adapter will automatically connect to your Android phone whenever you start your car, even if your phone is in your pocket or bag.
- **App Access:** Access your favorite Android Auto compatible apps, including GPS navigation (e.g., Google Maps, Waze), music streaming (e.g., Spotify, YouTube Music), messaging, and call functions directly on your car's display.
- **Latency-Free Experience:** The 5.8 GHz Wi-Fi and Bluetooth 5.3 ensure a fast and responsive experience with minimal delay between your phone and the car's infotainment system.

### 3.2. Control Methods

The cuarko adapter supports your car's original control methods for Android Auto interaction:

- **Touch Screen:** Interact directly with the car's touchscreen display.
- **OEM Knob:** Use your car's original equipment manufacturer (OEM) control knob for navigation.
- **Steering Wheel Controls:** Utilize your steering wheel buttons for audio control, call management, and voice commands.
- **Voice Assistant:** Activate Google Assistant with voice commands (e.g., "Hey Google") for hands-free operation.

# Keep Original Control

Support the original car control system and control Google Assistant with your voice



Touch Screen



OEM Knob



Steering Wheel

Image 3.1: Demonstrates how to control Android Auto using the car's original touch screen, OEM knob, and steering wheel controls, including voice commands.

## 4. MAINTENANCE AND CARE

The cuarko Android Auto Wireless Adapter is designed for durability and requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Use a soft, dry cloth to wipe the adapter's surface. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use for extended periods, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** While robust, avoid dropping the device or subjecting it to strong impacts. Do not attempt to disassemble the adapter.
- **Cable Care:** The nylon braided cable is designed for durability, but avoid sharp bends or excessive pulling to prevent damage.

## 5. TROUBLESHOOTING

If you encounter issues with your cuarko Android Auto Wireless Adapter, refer to the following common troubleshooting steps:

### 5.1. Connection Issues

- **Adapter Not Connecting Automatically:**
  - Ensure your phone's Bluetooth and Wi-Fi are enabled.
  - Verify that the "Start automatically" option is active in your car's Android Auto settings.
  - Check if your phone is connected to any other Bluetooth or Wi-Fi devices in the car. Disconnect them and try again.
- **No Android Auto Display on Car Screen:**
  - Confirm that your car's USB port supports data transfer for Android Auto, not just charging. Try a different USB port if available.
  - Ensure your car's infotainment system is set to the correct input for Android Auto.
  - Restart your car's infotainment system and your phone.
- **Interference During Setup:**
  - If you experience difficulty during initial setup, temporarily disconnect any existing Wi-Fi or Bluetooth connections between your phone and the car's native system. This can prevent conflicts during the adapter's pairing process.

### 5.2. Performance Issues

- **Lag or Disconnections:**
  - Ensure your phone's Android Auto app is updated to the latest version.
  - Check for any background apps on your phone that might be consuming excessive resources.
  - Verify that the adapter is securely plugged into the USB port.

### 5.3. General Tips

- **Firmware Updates:** Check the cuarko official website or app (if available) for any firmware updates for the adapter, as these can resolve known issues and improve performance.
- **Factory Reset:** If issues persist, consult the cuarko support for instructions on how to perform a factory reset on the adapter.

## 6. SPECIFICATIONS

| Feature                | Detail                                                                                                                                           |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Brand                  | cuarko                                                                                                                                           |
| Model Number           | BY960A                                                                                                                                           |
| Part Number            | cuarko-DT-AW01                                                                                                                                   |
| Hardware Interface     | USB 3.0 Type A, USB 3.0 Type C                                                                                                                   |
| Compatible Devices     | Android Auto-enabled cars or aftermarket stereos, Google Pixels, Samsung Galaxy, LG, OnePlus and more Android phones running Android 12 or above |
| Special Features       | Wireless Connectivity, Fast Transmission Rates                                                                                                   |
| Audio Input Compatible | Bluetooth                                                                                                                                        |
| Audio Output Mode      | Stereo                                                                                                                                           |
| Voltage                | 5 Volts (DC)                                                                                                                                     |
| Power Source Type      | Battery Powered (Note: Refers to car's power, not internal battery)                                                                              |
| Wireless Type          | 5.8 GHz Radio Frequency                                                                                                                          |
| Data Link Protocol     | Bluetooth 5.3, WiFi 2.4-5.8 GHz                                                                                                                  |
| Number of Ports        | 1                                                                                                                                                |
| Connector Type         | USB Type C                                                                                                                                       |
| Human Interface Input  | Touchscreen                                                                                                                                      |
| Material Type          | Aluminum, Glass                                                                                                                                  |
| Product Dimensions     | 14.48 x 6.25 x 1.02 cm; 68 g                                                                                                                     |
| Color                  | Black                                                                                                                                            |

## 7. WARRANTY AND SUPPORT



Your cuarko Android Auto Wireless Adapter is backed by a comprehensive warranty and dedicated customer support.

- **Warranty Period:** The product is safeguarded by a 12 + 12 months warranty from cuarko.
- **Compatibility Assurance:** The adapter is designed to be compatible with over 98% of car models from major brands (e.g., Hyundai, Audi, Toyota, Honda) that are equipped with wired Android Auto systems.
- **Customer Support:** For any queries, compatibility issues, or technical assistance, please contact cuarko customer support. Responses are typically provided within 18 hours.

For the most up-to-date support information and contact details, please refer to the official cuarko website or the product packaging.



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