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› [ZTUZAUTO Wireless CarPlay Android Auto Retrofit Kit for Audi A3 Q3 \(2012-2018\) MMI 2G System User Manual](#)

ZTUZAUTO 64cb960d-d251-45fd-a06c-4a253a4add8a

ZTUZAUTO Wireless CarPlay Android Auto Retrofit Kit User Manual

Model: ZTUZAUTO Audi MMI 2G Retrofit Kit
For Audi A3 (2012-2018) and Audi Q3 (2013-2018) with MMI 2G System

1. INTRODUCTION

This manual provides detailed instructions for the installation, setup, and operation of your ZTUZAUTO Wireless CarPlay Android Auto Retrofit Kit. This kit is designed to integrate advanced smartphone connectivity into your Audi's existing MMI 2G system, enhancing your driving experience with features like wireless CarPlay, Android Auto, and mirror linking.

Please read this manual thoroughly before installation and use to ensure proper functionality and to avoid any damage to your vehicle or the product.

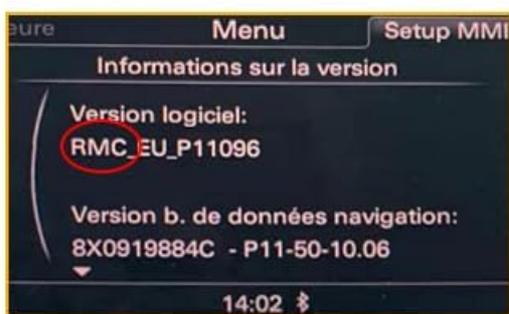
2. COMPATIBILITY

This retrofit kit is specifically designed for the following Audi models equipped with the **MMI 2G System**:

- Audi A1 (Model Years: 2012-2018)
- Audi Q3 (Model Years: 2013-2018)

Important: This kit is only compatible with vehicles featuring the MMI 2G System. Please verify your vehicle's MMI system version before proceeding with installation.

Compatible Model List



RMC

SYSTEM RMC Version

MODEL AUDI

YEAT 2012-2018

SCREEN 6.5"

Image: Compatible Model List for Audi MMI 2G System, indicating RMC version, Audi model, years 2012-2018, and 6.5" screen size.

3. KEY FEATURES

- **Wireless CarPlay & Android Auto:** Seamless integration for navigation, calls, messages, and music via Siri or Google Assistant.
- **Mirror Link Functionality:** Supports Airplay (for iOS) and AutoLink (for Android) to mirror your phone screen for YouTube, TV news, photos, and navigation.
- **Enhanced Camera Support:** Automatic activation of the reverse camera when shifting into reverse. Supports aftermarket reverse cameras, 360-degree cameras, and front view camera DVR with dynamic guidance lines.
- **Plug and Play Installation:** Designed for direct connection with original car wiring, eliminating the need for cutting or breaking wires. Retains the factory screen.
- **Original Car Functionality:** Maintains full functionality of original car controls, including steering wheel buttons and MMI controls for navigation and audio.



Image: Dashboard display showcasing both Wireless CarPlay and Android Auto interfaces, highlighting various compatible applications.

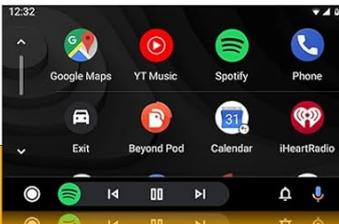
Wireless CarPlay & Android Auto & Mirror Link



 **Wireless/Wired
Apple CarPlay**



 **Wireless/Wired
Android Auto**



 **Wireless
Mirror Link**



Image: Visual representation of the product's core functionalities: Wireless CarPlay, Wireless Android Auto, and Wireless Mirror Link.

4. PACKAGE CONTENTS

Please ensure all items are present before beginning installation:

- ZTUZAUTO CarPlay/Android Auto Module
- Power Cable
- WiFi Antenna
- LVDS In Cable
- LVDS Out Cable
- DB Cable
- Microphone
- Installation Manual & Tool (if included)

• Support factory Reverse/Front /360 camera, parking radar

• Support aftermarket reverse/Front /360 camera (AHD 720P / 1080P)

• Support front view camera DVR (Dynamic guidance lines are supported).

For Original Backup Camera :

Do not need to connect , you can choose the option "Factory Camera "

• Reverse camera Wiring Connections (for Automatic Transmission)

• For Manual Transmission , Reversing detection line connected to car taillight 12V power supply

If via Aux , you need to set "AUX " , the carplay will have sound

METHOD 1

AUDI MMI 2G AUDIO AUX INPUT

AUX Source
External audio source is active.
21.5°C 15:46 Source

a. Disconnect the Bluetooth between your phone and your car
b. Set AUX
c. Enter into the "Media" interface , select the "External audio input"

You only need to adjust the settings to make the sound function via bluetooth

METHOD 2

Phone Link Setting

Android Link Type: (REMOVED) (No CarPlay)
iPhone Link Type: USB & Wireless CarPlay
Mirroring Link Type: Wireless Mirroring
Android auto use touch: []
Right hand car driver: []
Disable phone link audio: []

a. Access the Settings interface → Factory Mode → Phone Link setting → Open the option "Disable phone link audio". → Reboot
b. Then pair your smartphone with the original vehicle's Bluetooth.
c. Select the original car Bluetooth for both the phone and music sound sources in the original car media settings.

Image: Contents of the product package, including the main module and various connecting cables and accessories.

5. INSTALLATION GUIDE

The installation process involves connecting the retrofit kit to your vehicle's existing wiring harness. It is designed to be plug-and-play without requiring wire cutting. However, professional installation is recommended if you are not familiar with car electronics.

5.1. Precautions

- Before installation, ensure your car's model and year are compatible with the kit.
- Refer to the provided wiring diagram and dial code (if applicable) that matches your car's model.
- After installation, confirm all functions of the module work correctly before reassembling the dashboard to avoid inconvenience.
- Disconnect the car battery before starting any electrical work.

5.2. General Steps (Refer to specific wiring diagram for your model)

1. Carefully remove the necessary trim panels and the original MMI unit from your dashboard.
2. Connect the provided power cable to the original car's power harness.

3. Connect the LVDS IN and LVDS OUT cables between the original MMI unit and the new module.
4. Connect the WiFi antenna and microphone to the module.
5. If installing a reverse camera, connect its wiring to the designated input on the module.
6. Securely mount the module in a suitable location behind the dashboard.
7. Test all functions before fully reassembling the dashboard.



Image: Illustration of the plug-and-play installation, emphasizing no wire cutting and retention of the factory screen.

Switch Systems Freely

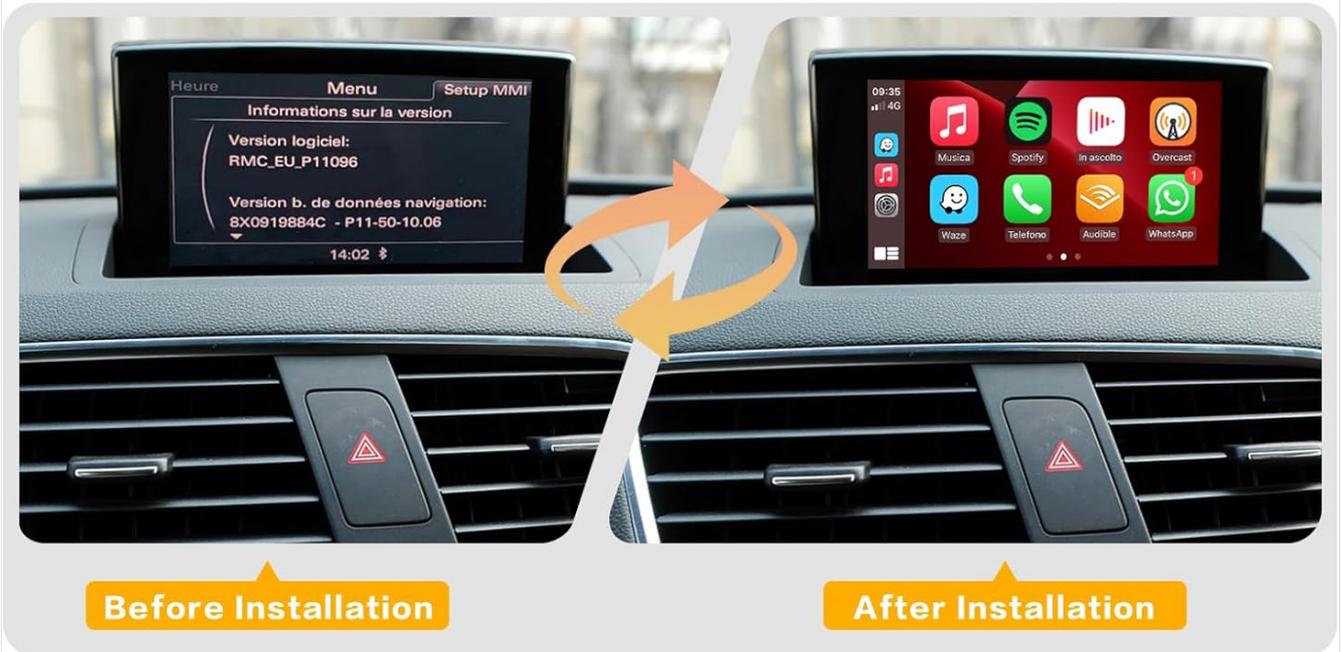


Image: Comparison of the car's display before and after the retrofit kit installation, showing the transition from the original MMI menu to the CarPlay interface.

Package & Accessories

PRECAUTIONS

- 🔔 Before placing an order: Please make sure your car's model and year are compatible with our link
- 🔔 Before installation: Please refer to our manual to locate the wiring diagram and dial code that match the model of your car
- 🔔 After installation: Please confirm that all functions of the module can be used normally before restoring the dashboard to avoid inconvenience caused by disassembly again.



Image: Instructions for setting up audio via AUX input or Bluetooth, and wiring for original and aftermarket reverse cameras.

5.3. Installation Video

Your browser does not support the video tag.

Video: Detailed installation guide for the Road Top Wireless Carplay Module for Audi Car. This video demonstrates the physical installation process.

6. INITIAL SETUP AND CONNECTION

6.1. Wireless CarPlay Connection

1. Ensure your iPhone's Bluetooth and Wi-Fi are enabled.
2. On your car's screen, navigate to the CarPlay interface.
3. On your iPhone, go to Bluetooth settings and search for the device named "ZTUZAUTO Box_FXX" (where FXX is a specific identifier).
4. Pair your iPhone with the device. Confirm the pairing code on both your phone and the car screen.
5. Once paired via Bluetooth, your iPhone will prompt you to enable CarPlay. Accept the prompt.
6. CarPlay should now connect wirelessly.

Makes Your Car More Intelligent.

Wireless connection to enjoy CarPlay or Android Auto features



Image: Step-by-step visual guide for connecting your smartphone to the system via Bluetooth and Wi-Fi for wireless CarPlay or Android Auto.

6.2. Wireless Android Auto Connection

1. Ensure your Android phone's Bluetooth and Wi-Fi are enabled.
2. On your car's screen, navigate to the Android Auto interface.
3. On your Android phone, go to Bluetooth settings and search for the device named "ZTUZAUTO Box_FXX".
4. Pair your Android phone with the device. Confirm the pairing code on both your phone and the car screen.
5. Once paired via Bluetooth, Android Auto should connect wirelessly.

6.3. Audio Setup

To ensure audio from the CarPlay/Android Auto module plays through your car's speakers:

- **Method 1 (AUX Input):**
 - a. Disconnect Bluetooth between your phone and your car's original system.
 - b. Set your car's audio source to "AUX".
 - c. Enter the "Media" interface and select "External audio input".

- **Method 2 (Bluetooth):**

- a. Access the Settings interface -> Factory Mode -> Phone Link setting -> Open the option "Disable phone link audio" -> Reboot.
- b. Then pair your smartphone with the original vehicle's Bluetooth.
- c. Select the original car Bluetooth for both the phone and music sound sources in the original car media settings.

6.4. Connection Video

Your browser does not support the video tag.

Video: Demonstration of wireless CarPlay and Android Auto connection steps, showing phone pairing and interface display.

7. OPERATION

7.1. Switching Between Systems

To switch between the original MMI system and the CarPlay/Android Auto interface, press and hold the "NAV" or "MEDIA" button on your car's controls for approximately 2 seconds.

7.2. Using CarPlay/Android Auto

Once connected, your car's screen will display the CarPlay or Android Auto interface. You can interact with it using:

- **Original MMI Controls:** Use the central control panel (rotary knob and surrounding buttons) to navigate and select options.
- **Steering Wheel Buttons:** Utilize the steering wheel controls for volume adjustment, track skipping, and activating voice commands.
- **Voice Control:** Activate Siri (for CarPlay) or Google Assistant (for Android Auto) by pressing the voice command button on your steering wheel or saying "Hey Siri" / "Hey Google" (if enabled).



Image: Demonstration of how the original car's steering wheel buttons and central control panel can be used to operate the CarPlay interface.

Keep Original Car Functions



Image: Visual guide to using the Intelligent Voice System with Siri for CarPlay and Google Assistant for Android Auto, including example commands.

7.3. Mirror Link

The Mirror Link function allows you to display your smartphone's screen directly on the car's display. This is useful for apps not natively supported by CarPlay or Android Auto, such as YouTube.

- For iOS devices, use Airplay.
- For Android devices, use AutoLink.

Your browser does not support the video tag.

Video: Demonstration of the Road Top Wireless Carplay Android Auto Retrofit Kit in action, showcasing various features including mirror link.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No display after installation.	Incorrect wiring, loose connections, or incorrect MMI system selection.	Double-check all cable connections. Ensure the LVDS cables are correctly inserted. Verify your MMI system is 2G.
No sound from CarPlay/Android Auto.	Incorrect audio source selected in the car's MMI, or phone Bluetooth not properly configured.	Ensure your car's audio source is set to AUX. Follow the audio setup instructions in Section 6.3.
Wireless CarPlay/Android Auto fails to connect.	Bluetooth or Wi-Fi issues on phone, incorrect pairing, or module not powered correctly.	Restart your phone and the car's MMI system. Forget the device in your phone's Bluetooth settings and re-pair. Ensure Wi-Fi is enabled on your phone.
Steering wheel controls not working with CarPlay/Android Auto.	Module not fully integrated or specific settings required.	Ensure all CANBUS connections are secure. Check module settings for steering wheel control configuration.

Problem	Possible Cause	Solution
Voice commands (Siri/Google Assistant) not responding.	Microphone not connected, or system not configured to use the module's microphone.	Verify the microphone is securely connected to the module. Check module settings for microphone input.

9. SPECIFICATIONS

- **Product Dimensions:** 0.33 x 5.59 x 0.09 inches
- **Item Weight:** 2.31 pounds
- **Connectivity Technology:** Bluetooth, Wi-Fi
- **Controller Type:** Android, Google Assistant, iOS
- **Special Features:** Amazon Music, Android Auto, Apple CarPlay, Built-In Bluetooth, Spotify
- **Compatible Devices:** Smartphone, Speaker
- **Total HDMI Ports:** 1
- **Connector Type:** USB, HDMI, RCA
- **Audio Output Mode:** Surround
- **Surround Sound Channel Configuration:** 4.0
- **Video Encoding:** H.264, H.265/HEVC, MPEG-4, etc.

10. WARRANTY AND SUPPORT

This ZTUZAUTO Wireless CarPlay Android Auto Retrofit Kit comes with a **1-Year Warranty** from the date of purchase.

For technical support, installation assistance, or any questions regarding your product, please contact ZTUZAUTO customer service. We aim to provide after-sales technical support within 24 hours.

For further assistance, please visit the [ZTUZAUTO Store on Amazon](#).