Road Top 03fa795f-6193-4e62-9bb8-1d2d72900f76

Road Top Wireless CarPlay Android Auto Retrofit Kit Decoder Instruction Manual

Model: 03fa795f-6193-4e62-9bb8-1d2d72900f76

1. Introduction

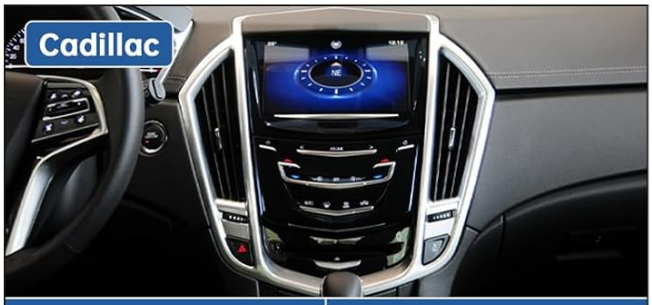
This manual provides detailed instructions for the installation, operation, and troubleshooting of the Road Top Wireless CarPlay Android Auto Retrofit Kit Decoder. This device integrates advanced smartphone connectivity into your vehicle's existing infotainment system, enhancing functionality while retaining original car features. Please read this manual thoroughly before installation and use.

2. Compatible Vehicles

This retrofit kit decoder is designed exclusively for vehicles equipped with the HMI 2.0 host device. Verify your vehicle's HMI version before proceeding with installation.

Product Information

Note: Only fit for factory car with HMI 2.0 host device.If you feel confused about it, please get help from us via amazon email before you purchase.



Model	Year
Cadillac ATS	2013 - 2017
Cadillac CTS	2014 - 2017
Cadillac SRX	2013 - 2017
Cadillac XTS	2012 - 2017



Model	Year
Chevrolet Corvette	2014 - 2019
Chevrolet Impala	2014 - 2020
Chevrolet Silverado	2014 - 2018
Chevrolet Suburban	2015 - 2020
Chevrolet Tahoe	2015 - 2020



Model	Year
Buick LaCrosse	2014 - 2019
Buick Regal	2014 - 2017



Model	Year
GMC Sierra	2014 - 2018

Image: Compatible vehicle models and years for the Road Top Retrofit Kit.

Compatible Models (HMI 2.0)

Brand	Model	Year
Cadillac	ATS	2013-2017
Cadillac	CTS	2014-2017
Cadillac	SRX	2013-2017
Cadillac	XTS	2012-2017
Buick	LaCrosse	2014-2019
Buick	Regal	2014-2017
Chevrolet	Corvette	2014-2019

Brand	Model	Year
Chevrolet	Impala	2014-2020
Chevrolet	Silverado	2014-2018
Chevrolet	Suburban	2015-2020
Chevrolet	Tahoe	2015-2020
GMC	Sierra	2014-2018

3. Key Features

The Road Top Retrofit Kit Decoder adds the following functionalities to your vehicle's existing HMI 2.0 system:

- **Wireless/Wired CarPlay:** Seamless integration with Apple CarPlay for navigation, music, messages, and more.
- **Wireless/Wired Android Auto:** Connect Android smartphones for access to Google Maps, media, and communication apps.
- **Mirrorlink:** Display your smartphone screen directly on the car's display. Supports AirPlay for iPhone and AutoLink for Android.
- **Voice Control:** Utilize Siri and Google Assistant for hands-free operation, including navigation, calls, and music control.
- **Reverse Camera Support:** Compatible with factory original reverse cameras and parking radar. Also supports aftermarket reverse cameras and 360-degree cameras, as well as front view camera DVR (CVBS input).
- **Original Car Knob Control:** Retains functionality of original car controls, including steering wheel buttons for voice control and telephone functions.
- **USB Media Playback:** Supports playing various audio and video formats from a USB flash drive.



Image: Visual representation of OEM system, Wireless CarPlay, and Android Auto interfaces.



Image: Demonstration of reverse camera functionality and Mirrorlink feature.



Image: Illustrates the use of original car buttons and touch screen for control.



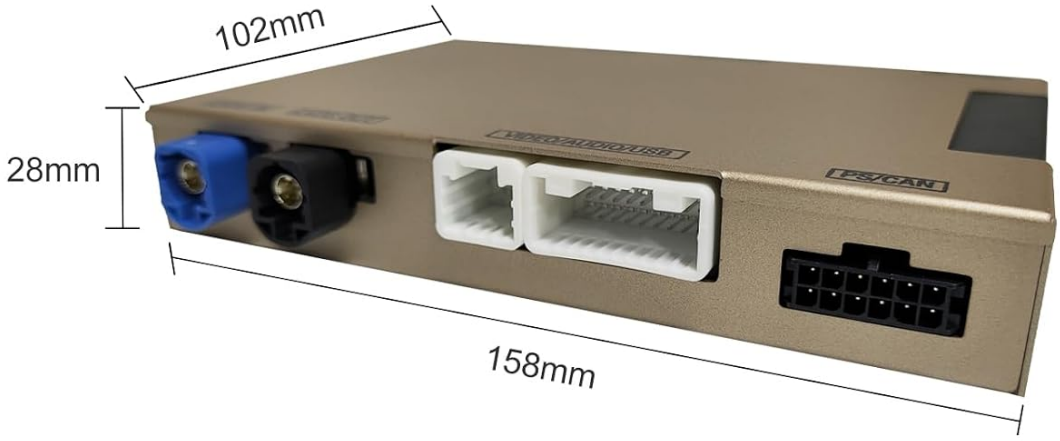
Image: Example of voice control functionality with Siri and Google Assistant.

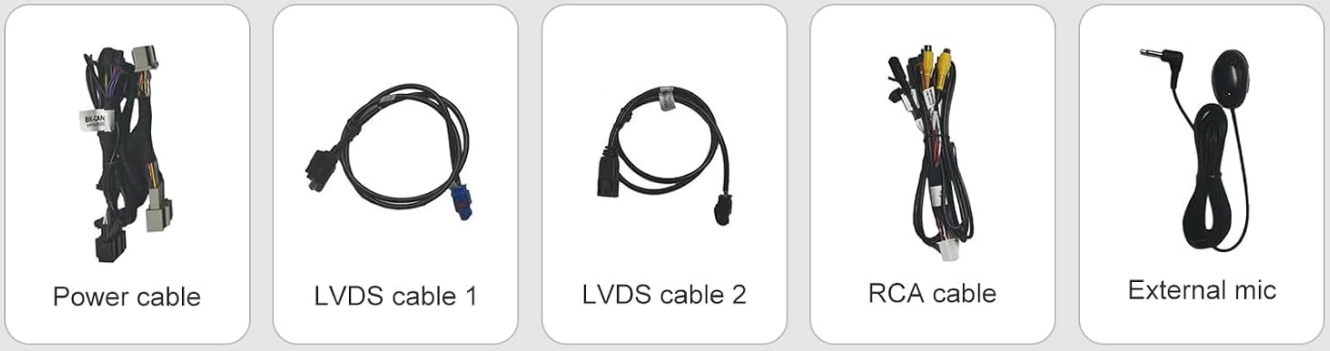
4. Package Contents

The Road Top Wireless CarPlay Android Auto Retrofit Kit Decoder package includes the following items:

- CarPlay Decoder Box
- Power Cable
- LVDS Cable 1
- LVDS Cable 2
- RCA Cable
- External Microphone

Product Information





Please do not impulse purchase :

1. Please make sure your car model and year firstly.
2. Need to remove your car dashboard to take out your car host device and then connect our cable.
3. Please do not finalize install unit you have tested every functions on your car, any issue , please get help from us firstly.

Image: Contents of the Road Top Retrofit Kit package, including the decoder box and various cables.

5. Setup and Installation

Installation of this retrofit kit requires removal of the car dashboard to access and connect to the original CD host device. It is recommended that installation be performed by a qualified professional. Incorrect cable connections or settings can lead to operational issues.

1. **Preparation:** Ensure the vehicle is turned off and the battery is disconnected before beginning installation.
2. **Dashboard Removal:** Carefully remove the car dashboard to gain access to the original CD host device and HMI 2.0 module.
3. **Wiring Connections:** Connect the provided cables (Power cable, LVDS cables, RCA cable, External microphone) to the appropriate ports on the CarPlay decoder box and the vehicle's original wiring harness. Refer to the wiring diagram specific to your vehicle model for precise connections.
4. **Initial Testing:** Before fully reassembling the dashboard, temporarily reconnect the battery and test all functions of the CarPlay system, including CarPlay, Android Auto, Mirrorlink, camera inputs, and original car controls.
5. **Reassembly:** Once all functions are confirmed to be working correctly, carefully reassemble the car dashboard.

Important Note: Most problems encountered during installation are due to incorrect cable connections or settings. Confirm all features are operational before finalizing the installation and reassembling the dashboard components.

6. Operating Instructions

6.1 Switching Between Systems

To switch between the original car radio system and the CarPlay/Android Auto system, long-press the designated special button on your car's knob control. This allows for seamless transition between the two interfaces.

6.2 Using CarPlay and Android Auto

Once connected, your smartphone's interface will appear on the car's display. You can navigate through apps using the car's original controls (knob, steering wheel buttons) or, if your original screen supports it, via touch input.

6.3 Voice Control

Activate Siri (for CarPlay) or Google Assistant (for Android Auto) by short-pressing the voice control button on your steering wheel. You can then issue commands for navigation, making calls, sending messages, or playing music.

6.4 Mirrorlink Functionality

The Mirrorlink feature allows you to cast your smartphone's screen to the car display. This is useful for viewing videos, photos, or other content not directly supported by CarPlay or Android Auto. Ensure your phone is connected via the appropriate Mirrorlink protocol (AirPlay for iPhone, AutoLink for Android).

6.5 USB Flash Playing

Insert a USB flash drive into the designated USB connector on the decoder box. The system will automatically detect and allow playback of compatible music or video files stored on the drive.

7. Troubleshooting

If you encounter issues with your Road Top Retrofit Kit, please review the following common problems and solutions:

- **No Display/Black Screen:**
  - Verify all power and LVDS cable connections are secure and correctly seated.
  - Ensure the correct input source is selected on your car's display (if applicable).
- **Touch Screen Not Responding:**
  - Confirm that your original car screen supports hand-touch control. If not, control will be limited to the original car knob.
  - Check for any loose connections in the CAN harness. A known issue involves the purple wires within the CAN harness touching, which can be resolved by separating them.
- **No Audio:**
  - Ensure the AUX input is correctly selected on your car's original radio system.
  - Check the audio output settings within the CarPlay/Android Auto interface.
- **Steering Wheel Buttons Not Working (beyond voice/Tel):**
  - The CarPlay interface decoder box supports voice control and telephone buttons. Other steering wheel buttons may not be supported.
- **Random Restarts:**
  - Check all power connections for stability.

- Ensure the unit is receiving adequate power.

If these steps do not resolve your issue, please contact Road Top customer support for further assistance. Provide your product model number and a detailed description of the problem.

8. Specifications

Feature	Detail
Model Number	03fa795f-6193-4e62-9bb8-1d2d72900f76
Brand	Road Top
Connectivity Technology	Bluetooth
Controller Type	Car Knob
Special Feature	Apple CarPlay, Android Auto, Mirrorlink
Compatible Devices	Smartphone
Connector Type	Optical
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Video Encoding	H.264, H.265 (HEVC) or higher
Color	Black
Package Dimensions	8.46 x 5.98 x 3.82 inches
Item Weight	2.03 pounds

9. Warranty and Support

For technical support, warranty inquiries, or any questions regarding the Road Top Wireless CarPlay Android Auto Retrofit Kit Decoder, please contact Road Top customer service. It is recommended to provide your product model number and a detailed description of your issue when seeking support.

You can typically find contact information for Road Top through their official website or the platform where the product was purchased.

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