Road Top 763684289023

Road Top Wireless CarPlay/Android Auto Interface for BMW i3 I01 (2012-2017) with NBT System

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and troubleshooting of the Road Top Wireless CarPlay and Android Auto Interface. This device integrates advanced smartphone connectivity into your vehicle's existing display, enhancing your driving experience with navigation, communication, and entertainment features.



Image 1.1: The Road Top Wireless CarPlay/Android Auto Interface box and a BMW i3 dashboard with CarPlay activated.

2. Product Compatibility

The Road Top Wireless CarPlay/Android Auto Interface is designed for specific BMW i3 I01 models. Please verify your vehicle's system before installation.

- **Compatible Vehicle:** BMW i3 I01
- **Compatible Model Years:** 2012-2017
- **Compatible System:** NBT System

Important: This product is **not** compatible with BMW EVO systems. Confirm your car's system type by checking the interface displayed on your screen. Refer to the image below for visual identification.

Only Compatible with BMW I3 NBT Car

If your car is BMW EVO system, please contact with us firstly.

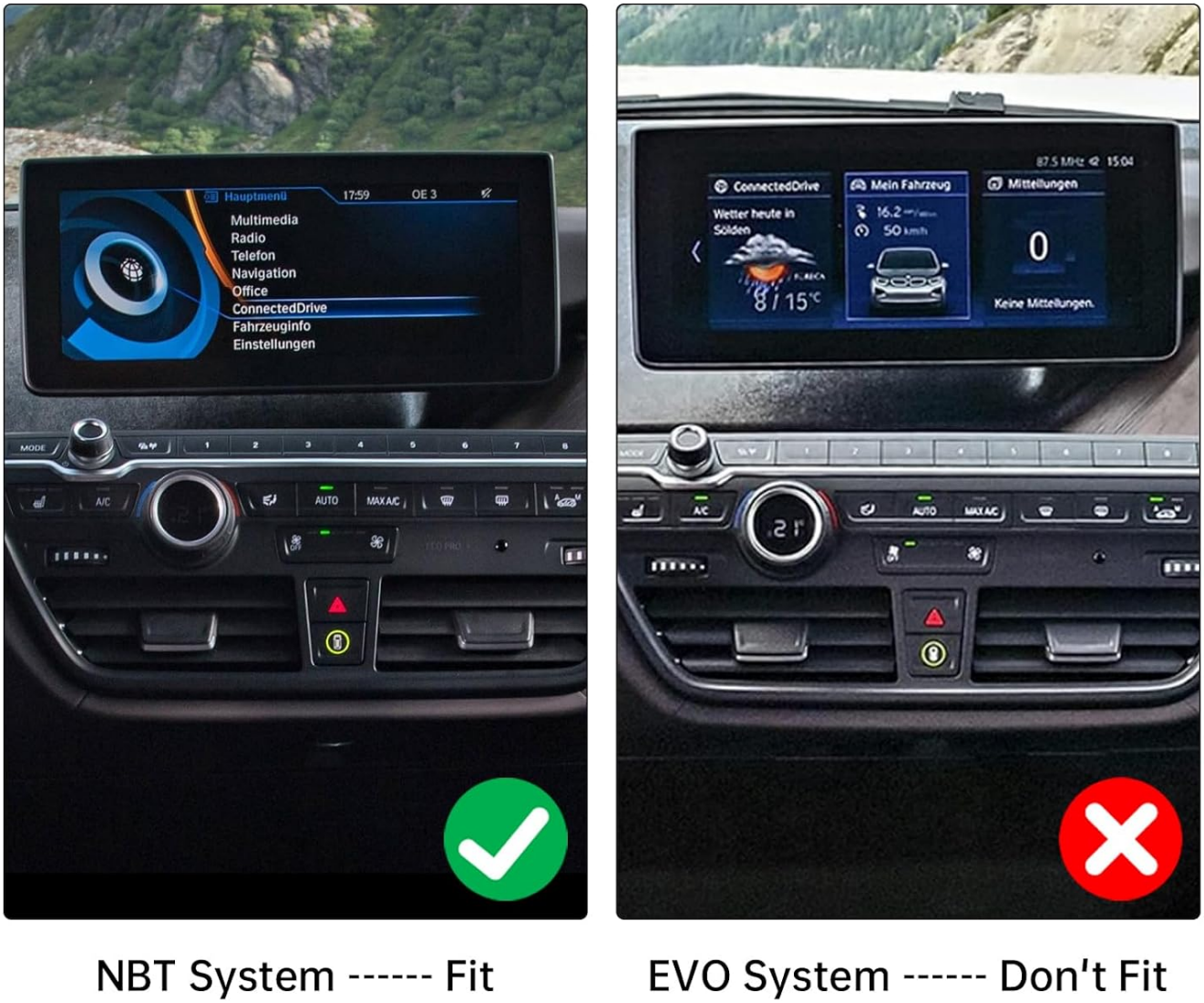


Image 2.1: Visual guide for identifying NBT (compatible) versus EVO (incompatible) systems in BMW i3.

3. Key Features

This interface box integrates seamlessly with your existing car system, providing the following functionalities:

- **Wireless/Wired CarPlay:** Access iPhone features like navigation, music, messages, and calls directly on your car's screen.
- **Wireless/Wired Android Auto:** Integrate Android phone functionalities including Google Maps, Waze, Spotify, and voice commands.
- **Mirrorlink Functionality:** Supports AirPlay for iPhone and Autolink for Android, allowing screen mirroring of your smartphone.
- **Voice Control:** Utilize Siri and Google Assistant for hands-free operation, enhancing safety while driving.
- **Camera Support:**
  - Supports factory original reverse camera and parking radar.
  - Compatible with aftermarket reverse cameras and 360-degree camera systems.
  - Supports front view camera DVR (CVBS input).
- **Original Car Control Integration:** Maintains functionality of the original car knob and steering wheel controls (voice control

button, Tel button, voice buttons).

- **Multimedia Playback:** Watch videos, TV news, and view photos.
- **Navigation:** Supports various third-party navigation applications.



Image 3.1: Demonstrates switching between the original car system and the CarPlay/Android Auto interface.



Image 3.2: Illustrates camera function and compatibility with original car knob and steering wheel controls.



Image 3.3: Example of phone mirroring (MirrorLink) on the car's display.



Image 3.4: CarPlay interface demonstrating Siri voice commands, third-party maps, and mobile music playback.

4. Package Contents

The package includes the following components:

- Road Top Wireless CarPlay/Android Auto Interface Decoder Box
- Long Power Cable
- RCA / USB Cable
- LVDS Cable (1 piece)
- Wi-Fi Antenna
- Instruction Manual

Product Information



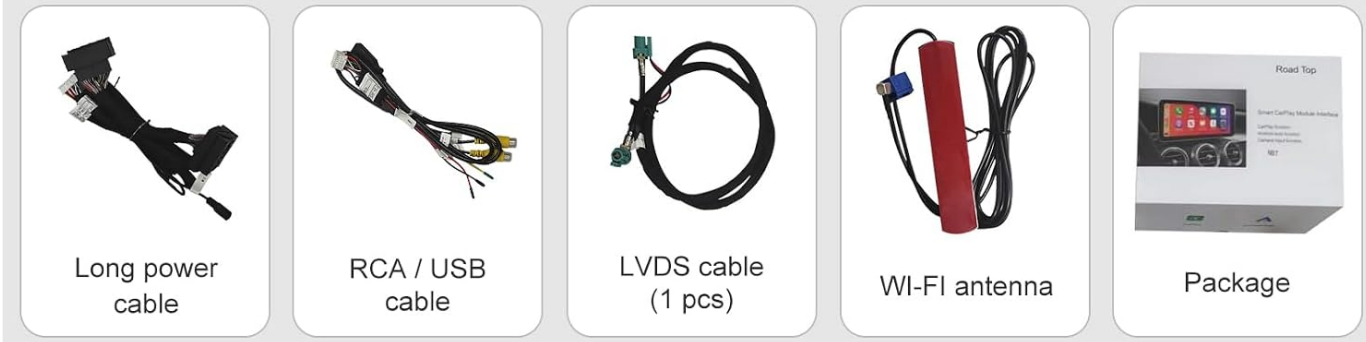


Image 4.1: Product information detailing the decoder box dimensions and included cables.

5. Installation Instructions

Installation of this interface requires accessing the car's dashboard and connecting wires to the original CD host device. It is recommended to have a professional installer perform the installation if you lack relevant experience. If you choose to install it yourself, please read these instructions carefully.

5.1. Pre-Installation Notes

- **System Verification:** Before purchasing and installing, confirm your car's system is NBT (refer to Section 2).
- **Professional Assistance:** If you are not confident with car electronics installation, seek assistance from a qualified professional.
- **Functionality Test:** Do not finalize the installation or reassemble the dashboard until all features have been thoroughly tested and confirmed to be working correctly.
- **Power Disconnection:** Always disconnect the vehicle's 12V battery and the high voltage system before beginning any electrical work. Consult your vehicle's service manual for proper disconnection procedures.



Image 5.1: Illustrates the initial steps of removing the car's host device and connecting the interface cables.

5.2. Decoder Box Placement

The CarPlay interface decoder box transmits signals via the LVDS cable. For optimal signal strength and to prevent screen flickering, it is strongly recommended to install the decoder box in the glove compartment. Placing the box in the back seat can result in a longer LVDS cable run, leading to weak signals and potential display issues.

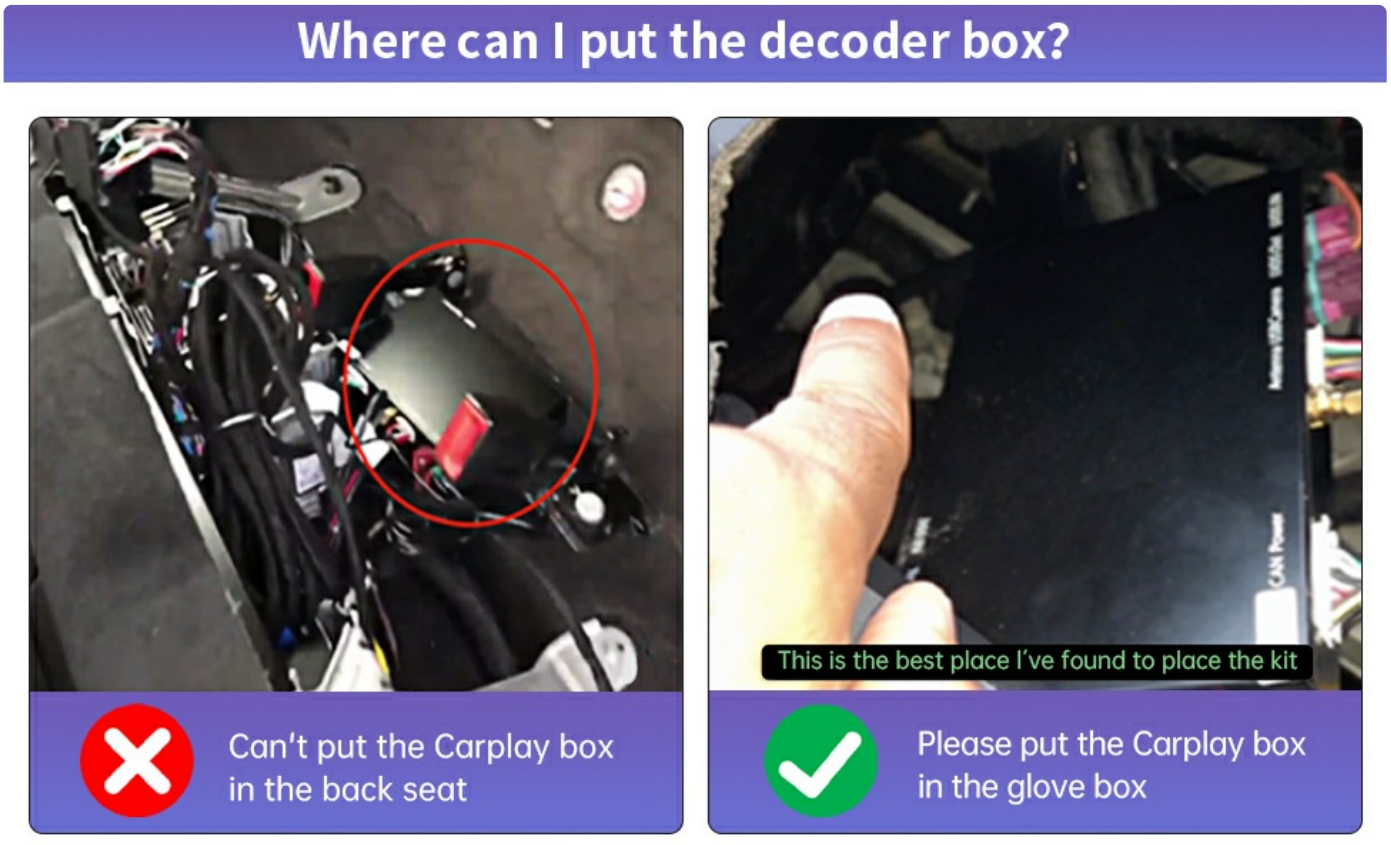


Image 5.2: Guidance on the recommended placement of the decoder box (glove box) versus an unsuitable location (back seat).

5.3. General Installation Steps (Overview)

1. Carefully remove the car's dashboard components to access the original CD host unit.
2. Disconnect necessary cables from the original host unit.
3. Connect the provided wiring harness and LVDS cables from the Road Top interface box to the original host unit and the car's display. Ensure all connections are secure.
4. Route the Wi-Fi antenna to an optimal location, avoiding metal obstructions.
5. Place the decoder box securely in the glove compartment.
6. Reconnect the vehicle's battery and test all functions before reassembling the dashboard.

For detailed, step-by-step visual instructions, refer to the installation videos provided by Road Top or consult a professional installer.

6. Operation Guide

After successful installation, you can switch between your original car system and the CarPlay/Android Auto interface.

6.1. Switching Between Systems

To switch from the factory OEM car system to the CarPlay or Android Auto system, long-press the "Menu" button on your car's original knob switch.

6.2. Using CarPlay/Android Auto

- **Navigation:** Use your preferred navigation app (e.g., Apple Maps, Google Maps, Waze) for directions.
- **Music & Audio:** Stream music, podcasts, and audiobooks through compatible apps.
- **Communication:** Make calls and send messages using voice commands or the car's controls.
- **Voice Control:** Activate Siri or Google Assistant by pressing the voice control button on your steering wheel or using the microphone icon on the screen.
- **Original Controls:** Navigate the CarPlay/Android Auto interface using the original car knob and supported steering wheel buttons.

7. Troubleshooting

Most issues encountered during or after installation are often related to incorrect cable connections or settings. Here are some common problems and potential solutions:

7.1. Screen Flickering or No Display

- **LVDS Cable Connection:** Ensure the LVDS cable is securely connected at both ends (interface box and car display).
- **Decoder Box Placement:** Verify the decoder box is installed in the glove compartment. If it's in the back seat, the extended LVDS cable length can cause signal degradation. Relocate the box to the glove compartment.
- **System Compatibility:** Double-check that your car has the NBT system, not EVO.

7.2. No Audio from Navigation/Media

- **Audio Source Selection:** Ensure the correct audio input source is selected on your car's head unit (e.g., AUX, USB).
- **Bluetooth Connection:** Confirm your phone is properly paired via Bluetooth to the interface box for audio transmission.
- **Volume Levels:** Check volume settings on both your phone and the car's audio system.

7.3. Steering Wheel Controls Not Fully Functional

- **Supported Buttons:** Only the voice control, Tel, and voice buttons on the steering wheel are supported by the CarPlay

interface decoder box. Other buttons may not function within the CarPlay/Android Auto environment.

7.4. General Installation Difficulties

- **Cable Connections:** Re-verify all cable connections according to the installation guide. Loose or incorrect connections are a primary cause of issues.
- **Panel Removal:** When removing dashboard panels, apply gentle, even pressure. Some clips may require specific angles for removal. Avoid excessive force to prevent damage.
- **High Voltage Connector:** Exercise extreme caution when handling the high voltage connector. Ensure it is fully disconnected before proceeding and properly reconnected afterward.

If problems persist after following these troubleshooting steps, please contact Road Top customer support for further assistance.

8. Product Specifications

Specification	Detail
Brand	Road Top
Model Number	763684289023
Connectivity Technology	Bluetooth, USB
Controller Type	Original Car Knob
Compatible Devices	Smartphone, Speaker
Connector Type	USB
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5
Video Encoding	MP4
Item Weight	2.72 pounds
Package Dimensions	8.74 x 6.73 x 4.21 inches

9. Warranty and Support

For warranty information, technical support, or assistance with installation and troubleshooting, please contact Road Top customer service directly. Most issues can be resolved with proper guidance on cable connections and settings.
You can typically find contact information for Road Top support through the retailer where you purchased the product or on the official Road Top website.

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