Road Top 12.3 Inch for 5 Series CIC

Road Top 12.3" Ultra-Narrow CarPlay Touchscreen for BMW 5 Series E60/E61 (2008-2010) with CIC System - Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, setup, and operation of your Road Top 12.3-inch Ultra-Narrow CarPlay Touchscreen. This system is designed to upgrade your BMW 5 Series E60/E61 (2008-2010) with a CIC system, integrating modern features like Wireless CarPlay and Android Auto while retaining your vehicle's original functionalities.

2. Vehicle Compatibility

This unit is specifically designed for BMW 5 Series E60/E61 models manufactured between 2008 and 2010, equipped with the CIC system. It requires the factory display and AUX or Bluetooth audio support for proper functionality. This product is **not compatible** with vehicles that do not have an original screen.



Image: Compatibility chart for BMW 5 Series E60/E61 with CIC system. It shows E60/E61 as compatible and F10/F11 models and CCC systems as incompatible. Ensure your vehicle has a CIC system.

3. Key Features

3.1. 12.3" Ultra-Narrow Display Upgrade

Upgrade your factory screen to a 12.3-inch CarPlay screen featuring an ultra-narrow bezel and a 1920×720 IPS display. This upgrade provides sharper visuals and a modern OEM-style dashboard appearance.



Image: Visual comparison of screen resolutions, demonstrating the clarity of the 1920x720 IPS display compared to lower resolutions.

3.2. Wireless CarPlay & Android Auto

Enjoy seamless wireless CarPlay and Android Auto functionality. Access navigation, make calls, play music, and use various apps with voice control via Siri and Google Assistant.



Image: The 12.3-inch touchscreen displaying both Apple CarPlay and Android Auto interfaces, indicating wireless connectivity.

3.3. Retain OEM iDrive System

This system fully retains original iDrive system functions, including the iDrive control knob, steering wheel buttons, factory radio, vehicle information display, and original backup camera.



Image: Diagram illustrating the retention of original BMW system features such as iDrive control, amplifier system, car information display, backup camera, steering wheel controls, CD player, radio, and Bluetooth.

3.4. Automatic Brightness Adjustment

The intelligent system automatically adjusts screen brightness based on vehicle headlight status, ensuring comfortable visibility during both day and night driving conditions.



Image: The screen demonstrating its automatic brightness adjustment function, adapting to different lighting conditions (too light, WDR, too dark) for optimal viewing.

4. Package Contents

The product package includes the following items:

- 12.3-inch Car Screen
- Power cable
- USB cable
- AUX cable
- Bracket



Image: A visual representation of the package contents, including the 12.3-inch car screen, power cable, USB cable, AUX cable, and mounting bracket.

5. Installation

Installation of this touchscreen upgrade requires dashboard removal. Professional installation is highly recommended to ensure correct setup and avoid damage. Please test all functions thoroughly before final assembly.



Image: A visual comparison of the BMW dashboard before and after the installation of the 12.3-inch touchscreen, highlighting the integrated appearance.

6. Setup

6.1. Wireless CarPlay/Android Auto Connection

To connect your smartphone wirelessly to the system:

1. Ensure the 'CarPlay' or 'Android Auto' option is enabled in the system's settings:**Setup -> Smart Phone -> Smart Phone Setting**.
2. On your mobile phone, turn on the Wi-Fi switch.
3. On your mobile phone, turn on the Bluetooth switch.
4. Search for the screen's Bluetooth device (named 'CAR-BT-XXXX') and pair with it.
5. Allow contact and favorites sync if prompted.
6. On your phone, click 'Use CarPlay' or 'Use Android Auto' to activate the function.

Your browser does not support the video tag.

Video: Demonstrates the step-by-step process of connecting a smartphone to the Road Top screen for wireless CarPlay functionality, including enabling Wi-Fi and Bluetooth, pairing, and activating CarPlay.

6.2. Wireless AirPlay Connection

To connect your iPhone for Wireless AirPlay:

1. Use your iPhone to search for the screen's Wi-Fi network (named 'CAR-XXXX') and connect to it.
2. If a password is required, enter '66668888'.
3. On your iPhone, open the Control Center, select 'Screen Mirroring', and then choose 'AirPlay'.

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Video: Illustrates the procedure for connecting an iPhone to the Road Top screen via Wireless AirPlay, covering Wi-Fi connection and screen mirroring activation.

6.3. Language Setup

To change the system language:

1. Navigate to **Setup -> System -> Language**
2. Select your desired language from the list.

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Video: Shows how to access the language settings within the Linux touchscreen system and select a preferred language.

6.4. System Switching (New/Original)

The Road Top screen allows seamless switching between its Linux system (CarPlay/Android Auto) and your BMW's original iDrive system.

- To switch from the Linux system to the original car interface, touch the 'Original car interface' icon on the home screen.
- To switch from the original car interface back to the Linux system, touch anywhere on the screen.
- Alternatively, you can hold the 'MENU' button on your iDrive controller for 3 seconds to switch between systems.

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Video: Demonstrates the dual system switch functionality, showing how to transition between the new Linux touchscreen interface and the original BMW iDrive system.

6.5. Display Settings

Adjust display parameters for optimal viewing:

- Navigate to **Setup -> Display**.
- Adjust **Contrast, Chromaticity, Saturation, Day Dimmer Level,** and **Night Dimmer Level** using the sliders.

6.6. Audio Settings

Configure audio output and microphone settings:

- Navigate to **Setup -> Audio**.
- Adjust **Volume** for Media, Phone, Ringtone, and Voice.
- Access **EQ** (Equalizer) to fine-tune audio frequencies.
- Adjust **Microphone OP gain** and **Microphone Pga gain** for call quality.
- Use **Call Echo Cancellation** for improved call clarity.

6.7. Car Settings

Customize various vehicle-specific settings:

- Navigate to **Setup -> Car Settings**.
- **Reversing Settings**: Configure camera type (Aftermarket Camera), camera format (SD NTSC, SD PAL, AHD), reverse line detection, reverse mute, parking line, radar, reverse camera mirror, OEM parking sensor button, original camera exit delay time, and front-view time.
- **Original Car's Screen Resolution**: Select the appropriate resolution for your original car's display (e.g., 800x480 NBT/CIC/EVO).
- **Force OEM System Full Screen**: Toggle this option to force the original system to display in full screen.
- **Auto Switch to AUX**: Select the appropriate head unit (Harman Head Unit or Alpine Head Unit) or close this function.
- **iDrive**: Select your iDrive type (NBT/CIC, iDrive_A(CCC), iDrive_B(CCC)).
- **Enter OEM Screen After Boot-up**: Enable or disable automatic entry into the OEM screen after the system boots up.
- **Front Door Setting** and **Rear Door Setting**: Configure display options for door status (Show, Close, Swap Left and Right).

- **Pausing Audio When Switching OEM**: Enable or disable audio pausing when switching to the OEM system.
- **Headlamp Detection**: Toggle this feature on or off.
- **Swap Next/Prev Song**: Toggle this feature on or off.

7. Operating Instructions

Once installed and set up, the Road Top touchscreen provides an intuitive interface for various functions:

- **Navigation**: Utilize Apple Maps, Google Maps, or other compatible navigation apps through CarPlay or Android Auto.
- **Music & Media**: Stream music, podcasts, and audiobooks from your smartphone. Control playback via the touchscreen or steering wheel buttons.
- **Phone Calls**: Make and receive hands-free calls using your phone's contacts and voice commands (Siri/Google Assistant).
- **Voice Control**: Activate Siri or Google Assistant for hands-free operation of various functions.
- **MirrorLink/AirPlay**: Mirror your smartphone screen directly onto the car display for content viewing.

8. Maintenance

To ensure the longevity and optimal performance of your Road Top touchscreen:

- Regularly clean the screen with a soft, lint-free cloth. Avoid abrasive cleaners or solvents.
- Keep the unit free from excessive dust and moisture.
- Ensure all connections are secure.
- Avoid exposing the screen to extreme temperatures for prolonged periods.

9. Troubleshooting

If you encounter any issues, please refer to the following general troubleshooting steps:

- **No Power**: Check all power connections. Ensure the vehicle's ignition is on.
- **No Sound**: Verify that the AUX or Bluetooth audio channel is correctly selected in your original car system. Check volume levels on both the Road Top unit and your car stereo.
- **CarPlay/Android Auto Not Connecting**: Ensure Wi-Fi and Bluetooth are enabled on your phone and the correct options are selected in the Road Top system settings. Try restarting both your phone and the Road Top unit.
- **Screen Freezes/Unresponsive**: Perform a system reboot (Setup -> System -> Reboot).
- **Poor Microphone Quality**: Adjust Microphone OP gain and Microphone Pga gain in Audio settings.

For further assistance, please contact Road Top Direct customer support. You can typically find their contact information by navigating to their store page on Amazon and clicking 'Ask a question'.

10. Specifications

Feature	Detail
Brand	Road Top
Vehicle Service Type	Car

Screen Size	12.3 Inches
Special Feature	Apple CarPlay
Connectivity Technology	Bluetooth
Map Type	North America
Included Components	Car Screen
Audio Output Mode	Stereo
Touch Screen Type	Capacitive
Display Type	LCD
Compatible with Vehicle Type	Car
Human-Interface Input	Touchscreen
Compatible Devices	Smartphone
Control Method	Touch, Voice
Supported Satellite Navigation System	GPS

11. Warranty and Support

This product comes with a**1-Year Warranty** from the manufacturer, Road Top.
For any questions regarding installation, technical issues, or product support, please contact Road Top Direct. You can reach them by:

1. Finding the seller name "Road Top Direct" next to the shopping cart on the product page.
2. Clicking on "Road Top Direct".
3. Clicking the "Ask a question" button on their seller profile page.
4. Sending your pictures or videos related to the technical or installation questions you have.

They will respond to your inquiry promptly.

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