

[Manuals.plus](#) /

› [CARabc](#) /

› CARabc 10.25 Inch Touchscreen Wireless CarPlay/Android Auto Instruction Manual for BMW 3/4/M3/M4 Series (2012-2016 NBT System)

CARabc NBT-34-FBA-UK

CARabc 10.25 Inch Touchscreen Wireless CarPlay/Android Auto Instruction Manual

For BMW 3/4/M3/M4 Series (2012-2016 NBT System)

1. INTRODUCTION

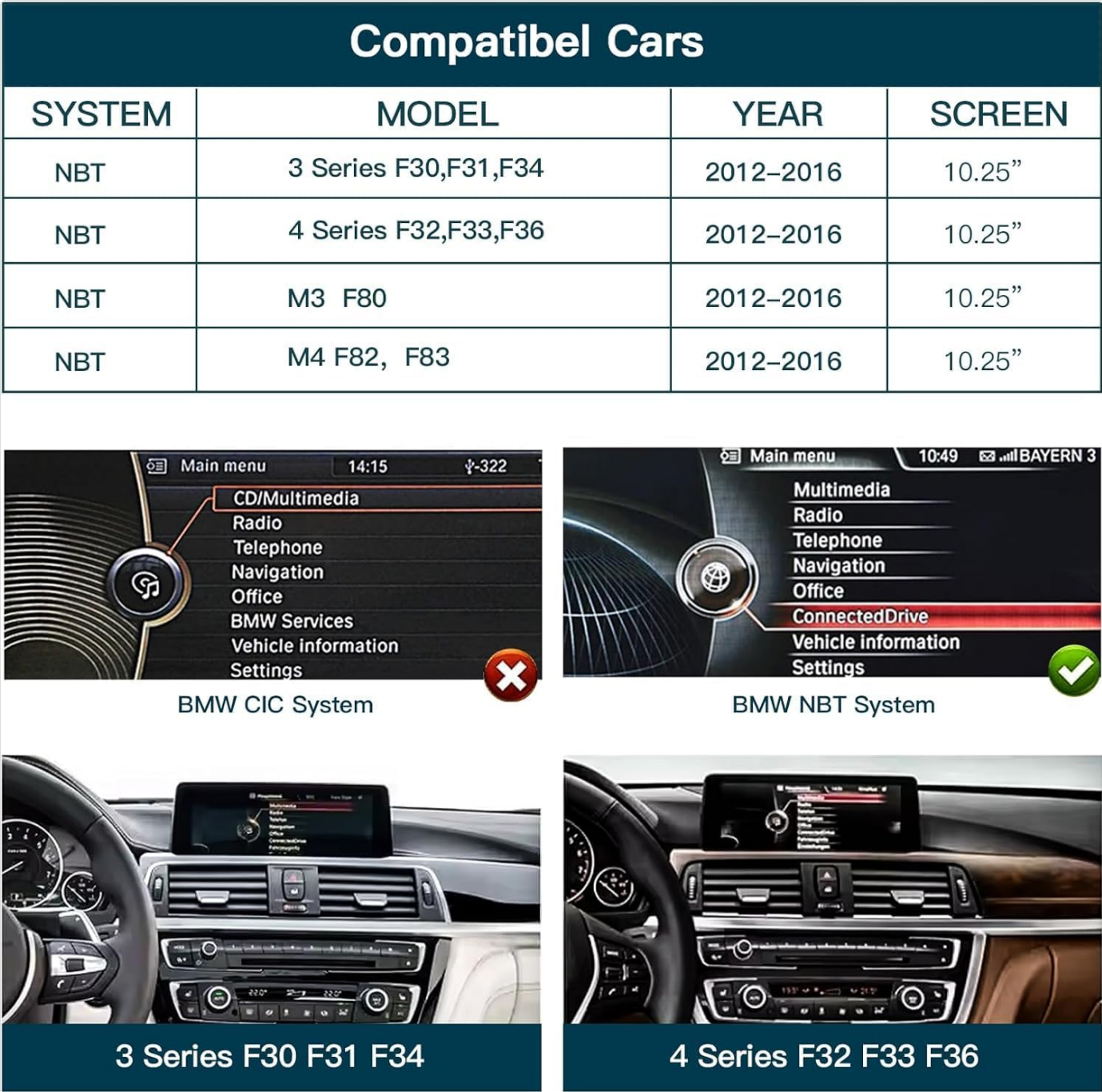
This manual provides detailed instructions for the installation, operation, and troubleshooting of your CARabc 10.25 Inch Touchscreen Wireless CarPlay/Android Auto system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. COMPATIBILITY

This device is designed for BMW vehicles equipped with the NBT system, specifically for the following models and chassis codes:

- BMW 3 Series (2012-2016): F30, F31, F34
- BMW 4 Series (2012-2016): F32, F33, F36
- BMW M3 (2012-2016): F80
- BMW M4 (2012-2016): F82, F83

Important: This system is not suitable for EVO systems. Compatibility is confirmed if the LVDS port on the back of your original screen is 6-pin.



- **Original Controls Retention:** Maintains functionality of original car radio, playback, joystick controls, and reversing camera.



Linux System



Remove the original carscreen and replace it with latest 10.25"

1920*720 Resolution linuxsystem car stereo, That can help you add More functions to your existing headunit while retaining all the OEM system features.



Apple CarPlay



CarPlay is a smarter, safer way to use your iPhone while you drive. You can get directions, make calls, send and receive messages, and enjoy your favorite music. All on your car's built-in display.



Android Auto



You can safely operate applicable apps while driving, support Maps, music, phone calls, etc., and you can also download apps for Android Auto, such as instant chat software WhatsApp, Skype, etc., which are feature-rich.

Figure 3.1: Overview of key features such as Linux system, Apple CarPlay, and Android Auto integration.



Support factory and aftermarket camera

- .Support factory original reverse camera,parking radar
- . Support front view camera DVR(CVBS)
- . Support aftermarket reverse camera and360 camera



Figure 3.2: Illustration of supported control methods (original knob, steering wheel buttons, hand-touch) and various camera inputs.

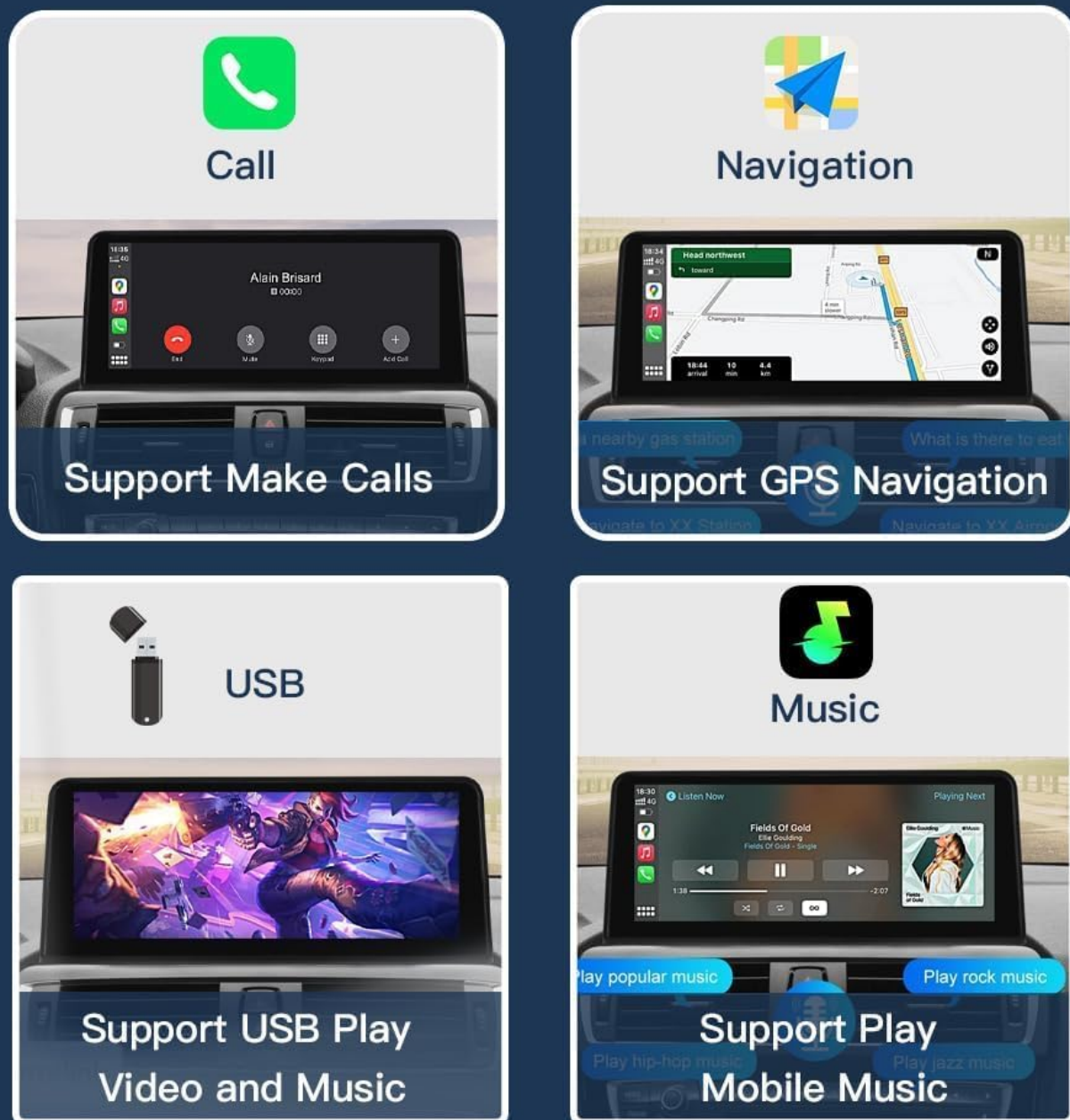


Figure 3.3: Demonstrates core functionalities including making calls, GPS navigation, USB media playback, and mobile music streaming.

4. WHAT'S IN THE BOX

The product package includes the following items:

- 10.25 Inch BMW HD Touch Screen
- Installation cables (ISO Wiring Harness, USB & AUX OUT Cable)
- BMW Plastic Trim
- User manual



BMW Plastic Trim



USB & AUX OUT Cable



ISO Wiring Harness



Installation Instruction

Figure 4.1: Visual representation of all items included in the package, along with the dimensions of the main unit.

5. SETUP AND INSTALLATION

Installation requires removing parts of the car dashboard to connect wires. Ensure all features work correctly before reassembling the dashboard.

5.1. Addressing No Sound Issues

If you experience no sound after installation, follow these steps:

1. On the CARabc screen, select "OEM Car Info" to enter the original BMW system.
2. Navigate to "Multimedia" > "External Devices". Check if the OEM Bluetooth is selected.
3. If OEM Bluetooth is selected, return to the CARabc system settings. Go to "System" and turn off "Use Car's BT Channel".
4. On your phone, disconnect from the original BMW Bluetooth.
5. In the CARabc system, go to "Setup" > "Car Settings" and select "Auto Switch to AUX" to "Close".

6. Return to the original car interface, select "AUX Front" as the audio source. Play music and adjust the volume knob.
7. If still no sound, connect the provided AUX harness. Plug the 3.5mm jack into the car's AUX-IN port (usually in the center console).
8. Check the AB ground plugs. Disconnect if connected, connect if disconnected.
9. If your OEM ISO harness has a fiber optic cable, adapt it to the CARabc ISO harness.
10. Ensure the ISO harness is securely plugged in. If loose, unplug and replug.
11. Check the power cable and LVDS cables on the back of the CARabc screen. If loose, re-plug them once.

Your browser does not support the video tag.

Video 5.1: Detailed guide on troubleshooting and resolving no sound issues after installing the CARabc system, including steps for Bluetooth and AUX settings, and cable checks.

5.2. Wiring and Connections

The system comes with an ISO wiring harness designed for plug-and-play installation. Ensure all connections are secure.

Adds More Functions to Your Existing Head Unit While Retaining All The OEM System Features


CarPlay


Android Auto


10.25 inch


1920*720


Linux System


USB


Bluetooth



Only has Bluetooth Call function

Before installation



After installation

VS

Figure 5.2: Visual comparison of the car dashboard before and after the CARabc touchscreen installation, highlighting the aesthetic and

functional upgrade.

6. OPERATING INSTRUCTIONS

6.1. Switching Between Systems

The CARabc system allows seamless switching between the new Linux-based interface and your original BMW OEM system. Simply click the "Original Car Interface" icon on the homescreen menu to access the OEM system. You can touch anywhere on the screen to return to the Linux system.

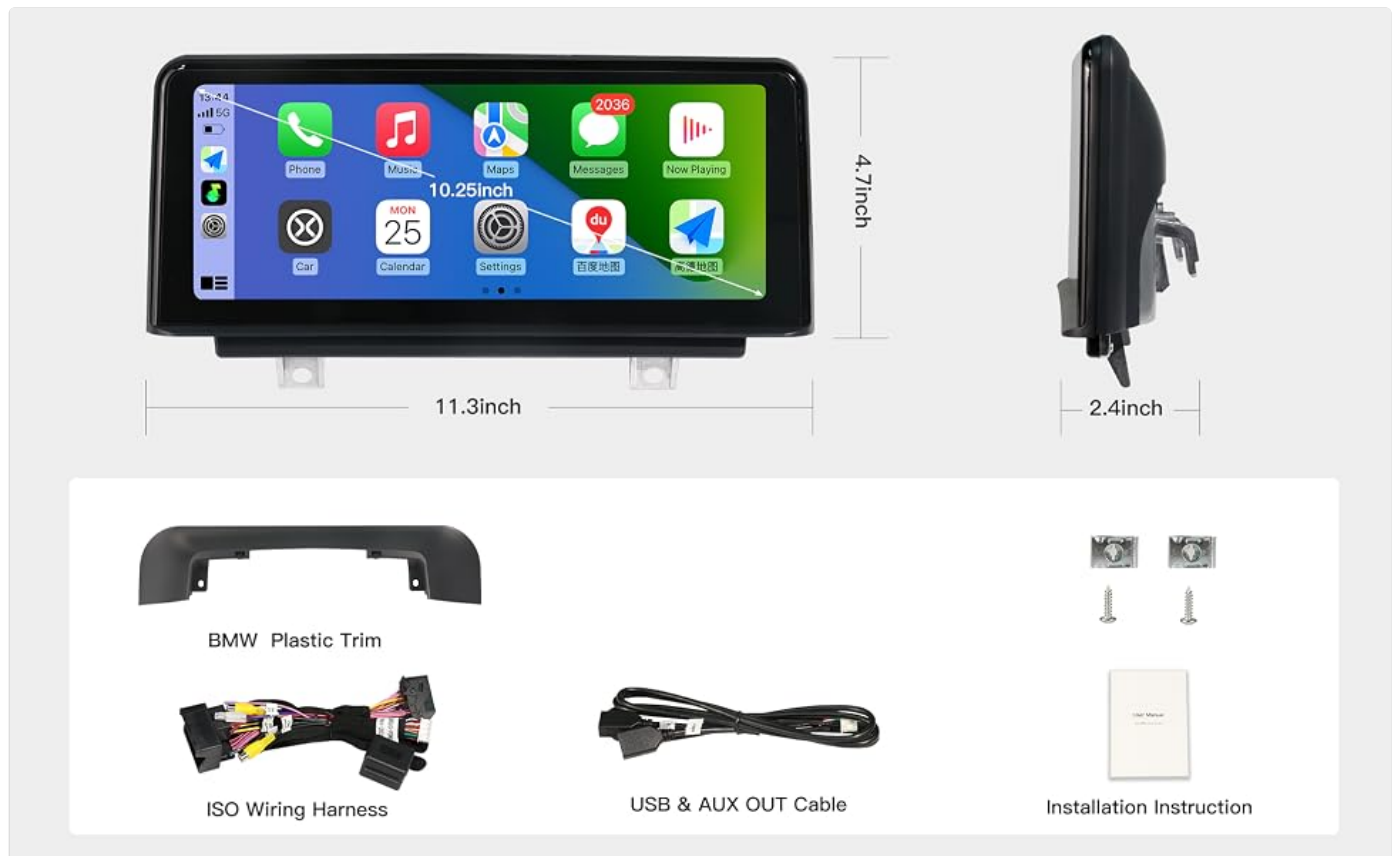


Figure 6.1: Comparison highlighting the CARabc product's dual sound modes (AUX & Bluetooth) and automatic light-sensitive display, features often absent in other products.

6.2. Wireless CarPlay and Android Auto

Connect your smartphone via Bluetooth to enable wireless CarPlay or Android Auto. This provides access to navigation, music, calls, and messages directly on the touchscreen.

Your browser does not support the video tag.

Video 6.2: Instructions on how to use the OEM Bluetooth for making calls within the CarPlay interface, ensuring seamless integration with your vehicle's existing audio system.

6.3. Camera Support

The system supports various camera inputs, including factory original reverse cameras, parking radar, front view DVR (CVBS), aftermarket reverse cameras, and 360-degree cameras.

Your browser does not support the video tag.

Video 6.3: Demonstration of the trajectory backup camera functionality for BMW, showing dynamic guidelines for parking assistance.

Your browser does not support the video tag.

Video 6.4: Guide on how to switch between different video signals (CVBS NTSC, AHD 1080P, AHD 720P) for camera inputs, ensuring compatibility with various camera types.

7. MAINTENANCE

To ensure the longevity and optimal performance of your CARabc touchscreen, follow these maintenance guidelines:

- Regularly clean the screen with a soft, lint-free cloth. Avoid abrasive cleaners.
- Keep the unit free from dust and debris.
- Ensure all cables are securely connected and free from damage.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

8. TROUBLESHOOTING

For common issues, refer to the following troubleshooting tips:

- **No Power:** Check all power connections and ensure the vehicle's ignition is on.
- **Screen Flickering:** Verify LVDS cable connections are secure.
- **CarPlay/Android Auto Connection Issues:** Ensure Bluetooth and Wi-Fi are enabled on your phone and the CARabc unit. Try restarting both devices.
- **Incorrect Display:** Check the original car's screen resolution settings in the CARabc system setup menu.

9. SPECIFICATIONS

Feature	Detail
Display Size	10.25 Inches
Resolution	1920x720
Operating Voltage	12-18VDC
Waterproof Rating	IP68
Connectivity Technology	Bluetooth, Wireless
Special Feature	Touchscreen, Automatic Brightness Adjustment
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	2.23 pounds
Product Dimensions	2.35 x 11.2 x 5.7 inches

10. WARRANTY AND SUPPORT

The CARabc 10.25 Inch Touchscreen Wireless CarPlay/Android Auto system comes with a 3-year warranty and lifetime technical support. For any questions, concerns, or technical assistance, please contact CARabc customer service.

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