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JOYEAUTO i3 i8 2013-2016 NBT

JOYEAUTO Wireless Apple CarPlay Retrofit Kit Decoder

Model: BMW i3 i8 (2013-2016 NBT)

Brand: JOYEAUTO

1. Introduction

This manual provides detailed instructions for the installation and operation of your JOYEAUTO Wireless Apple CarPlay Retrofit Kit Decoder. This device integrates Apple CarPlay, Android Auto, and MirrorLink functionalities into your BMW i3 or i8 vehicle (2013-2016 models with NBT system), utilizing your original car screen and controls. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. Product Features

- **Wireless Apple CarPlay:** Seamless integration of iPhone features including navigation, music, calls, and messages.
- **Android Auto:** Connect Android smartphones for navigation, communication, and entertainment.
- **MirrorLink Functionality:** Display your smartphone screen directly on the car's display (wired connection).
- **Original Control Retention:** Utilize existing iDrive controller, steering wheel buttons, and original car microphone.
- **Rear Camera Support:** Compatible with original and aftermarket rear cameras with dynamic guidelines.
- **Voice Control:** Access Siri or Google Assistant for hands-free operation.

Maps

Guide your itinerary and journey to make it clearer Support Google Maps, Waze, etc.



Image: Navigation maps displayed on the car's screen, guiding an itinerary.

Voice control by saying “Hey Siri...”

Intelligent controls free hands intelligent voice I safer driving
in the car can voice "hey Sir" to control navigation, make phone calls, reply to missed calls Siri can help you do something just ask, don't do it



Image: Voice control interface activated on the car's display, ready for commands.



Image: Smartphone screen content, specifically a video, mirrored onto the car's display via Airplay or Android Mirror.



Image: Android Auto interface shown on the car's screen, featuring common applications like Maps, Spotify, and Phone.

3. Setup and Installation

Installation of the JOYEAUTO Retrofit Kit requires technical expertise. It is recommended to have the installation performed by a qualified professional. Ensure the vehicle's ignition is off and the battery is disconnected before beginning installation.

3.1 Product Components



Image: The main CarPlay module along with essential accessories including a WiFi antenna, USB cable, LVDS cables, microphone, power cable, and 48PIN harness.

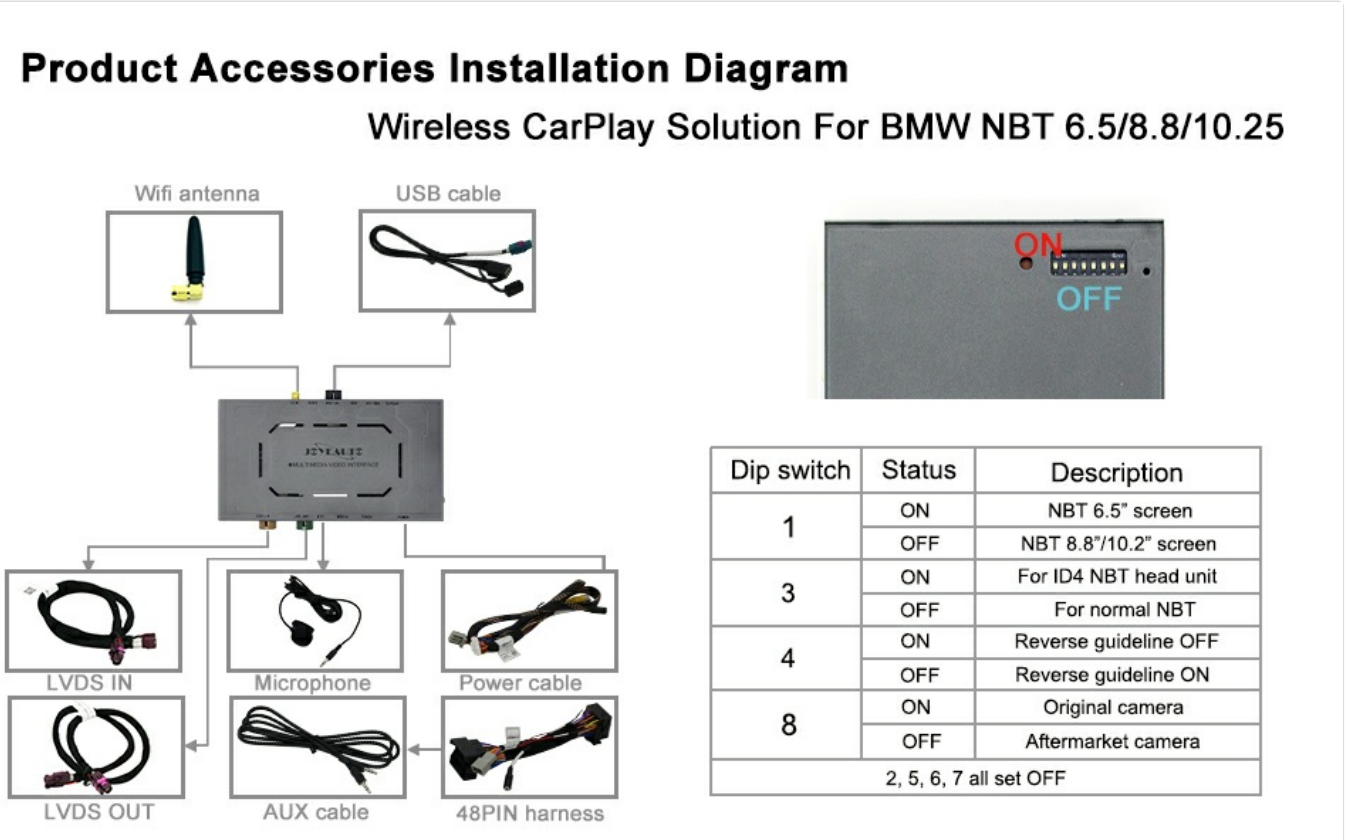
3.2 Installation Overview



Image: A visual comparison showing the original BMW NBT system interface (Before) and the integrated CarPlay/Android Auto interface (After) on the car's display.

3.3 Wiring Diagram and DIP Switch Settings

Refer to the detailed wiring diagram and DIP switch configuration below for correct installation. Incorrect settings can lead to improper functionality.



Dip switch	Status	Description
1	ON	NBT 6.5" screen
	OFF	NBT 8.8"/10.2" screen
3	ON	For ID4 NBT head unit
	OFF	For normal NBT
4	ON	Reverse guideline OFF
	OFF	Reverse guideline ON
8	ON	Original camera
	OFF	Aftermarket camera
2, 5, 6, 7 all set OFF		

Image: A comprehensive diagram illustrating the connections for the WiFi antenna, USB cable, LVDS IN/OUT, microphone, power cable, and 48PIN harness. Also includes a table for DIP switch settings based on screen size and camera type.

DIP Switch Settings:

- **Switch 1:** ON for NBT 6.5" screen, OFF for NBT 8.8"/10.25" screen.
- **Switch 3:** ON for ID4 NBT head unit, OFF for normal NBT.
- **Switch 4:** ON for Reverse guideline ON, OFF for Reverse guideline OFF.
- **Switch 8:** ON for Original camera, OFF for Aftermarket camera.
- **Switches 2, 5, 6, 7:** All set OFF.

4. Operating Instructions

The JOYEAUTO kit allows seamless interaction with your smartphone's features while retaining the original car controls.

4.1 General Operation and Control Demonstration

Video: This video demonstrates how to switch to the CarPlay system, use the original joystick knob controls, activate the retrofit rear camera with dynamic guidelines, control music playback via steering wheel buttons, use Siri voice commands for calls, and utilize iOS AirPlay and Android Auto features.

4.2 Switching Between Systems

To switch from the original BMW system to the CarPlay/Android Auto interface, long-press the 'BACK' button on your iDrive controller. To return to the original system, repeat the action or use the 'MENU' button.

4.3 Using Original Controls

- **iDrive Controller:** Navigate through menus, select items, and control various functions within CarPlay/Android Auto.
- **Steering Wheel Buttons:** Use the 'MODE' button to switch between applications, and the left/right controls to skip tracks or navigate lists.

4.4 Voice Control (Siri/Google Assistant)

Activate your smartphone's voice assistant by saying "Hey Siri" or "Hey Google" (depending on your phone) or by pressing and holding the voice command button on your steering wheel. This allows for hands-free control of navigation, calls, messages, and music.

4.5 Rear Camera Functionality

When the vehicle is shifted into reverse, the system will automatically display the rear camera feed. If configured, dynamic guidelines will assist with parking maneuvers.

5. Specifications

Feature	Detail
Manufacturer	JOYEAUTO
Brand	ZHOYITO
Compatible Devices	Smartphone, Speaker
Connectivity Technology	Bluetooth, USB
Wireless Communication Standard	Bluetooth
Special Feature	Spotify

6. Troubleshooting

If you encounter issues with your CarPlay Retrofit Kit, consider the following common troubleshooting steps:

- **No Display/Black Screen:** Verify all cable connections, especially LVDS cables, are secure. Check DIP switch settings for correct screen size configuration.
- **No Sound:** Ensure the AUX input is selected on your original car stereo. Check audio cable connections.
- **CarPlay/Android Auto Not Connecting:** For wireless connections, ensure Bluetooth and Wi-Fi are enabled on your phone and paired correctly. For wired connections, try a different USB cable. Restart your phone and the car's infotainment system.
- **Original Controls Not Working:** Confirm all harness connections are correct and secure.
- **Rear Camera Not Displaying:** Check camera connections and verify DIP switch settings for camera type (original/aftermarket) are correct.

For persistent issues, please refer to the detailed installation video or contact customer support.

7. Warranty and Support

For warranty information, product support, or to obtain a detailed installation video, please contact JOYEAUTO customer service directly through the Amazon messaging system or visit the official JOYEAUTO brand store. Keep your purchase receipt as proof of purchase for warranty claims.

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