ANYFAR RM-BM2506F

ANYFAR RM-BM2506F Decoder Adapter User Manual

Model: RM-BM2506F | Brand: ANYFAR

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the ANYFAR RM-BM2506F Decoder Adapter. This device integrates advanced features like Wireless CarPlay, Android Auto, Mirror Link, and camera support into compatible BMW vehicles equipped with the CIC infotainment system. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW AND KEY FEATURES

The ANYFAR RM-BM2506F Decoder Adapter enhances your vehicle's infotainment system with modern connectivity and multimedia capabilities.

Image: The ANYFAR RM-BM2506F Decoder Adapter unit, showing its various ports and connectors.

- **Wireless CarPlay & Android Auto:** Enjoy seamless integration of your smartphone with wireless connectivity for navigation, music, calls, messaging, and voice assistant functions.
- **Mirror Link & USB Drive Playback:** Mirror your phone's display to the car screen for video playback from various apps. A USB port is included for playing media from a USB drive or charging your phone.
- **In-Car Hi-Fi Audio:** Experience high-quality audio through digital transmission, preserving the original sound quality of your car's audio system without interference or delay.
- **Retain Original Car Controls:** Maintain full functionality of your vehicle's existing controls, including touchscreen, voice control, physical buttons, and iDrive knob.
- **Backup Camera Input Support:** Connect a backup camera or front camera. The camera feed will automatically display on the car screen when shifting into reverse.

3. COMPATIBILITY

This decoder adapter is specifically designed for **2008-2013 BMW models equipped with the CIC infotainment system**. It is crucial to verify your vehicle's compatibility before installation.

3.1 Compatible Vehicle Models

The following BMW models are compatible:

Suitable Models

1 Series	(E87)	2008 - 2012
3 Series	(E90/E91/E92/E93)	2009 - 2012
5 Series	(E60/E61)	2008 - 2009
6 Series	(F12/F13)	2010 - 2012
7 Series	(F01/F02)	2011 - 2012
X1	(E84)	2009 - 2014
X3	(F25)	2011 - 2013
X5	(F70)	2009 - 2013
X6	(E71/E72)	2009 - 2013
Z4	(E89)	2009 - 2013
MINI	(R55/R56/R60)	2008 - 2012

Image: A table illustrating compatible BMW 1, 3, 5, 6, 7 Series, X1, X3, X5, X6, Z4, and MINI models with their respective production years (2008-2013).

BMW 1 Series: (E87) 2008-2012

BMW 3 Series: (E90/E91/E92/E93) 2009-2012

BMW 5 Series: (E60/E61) 2008-2009

BMW 6 Series: (F12/F13) 2010-2012

BMW 7 Series: (F01/F02) 2011-2012

BMW X1: (E84) 2009-2014

BMW X3: (F25) 2011-2013

BMW X5: (F70) 2009-2013

BMW X6: (E71/E72) 2009-2013

BMW Z4: (E89) 2009-2013

MINI: (R55/R56/R60) 2008-2012

3.2 CIC System Verification

The adapter is **only compatible with BMW vehicles featuring the CIC system**. To confirm your system type, compare your car's radio home screen menu picture with the examples below. Additionally, verify the LVDS port on the back of your OEM car screen is a 4-PIN connector.

Image: Visual guide to identify the CIC system interface, distinguishing it from NBT, EVO ID5, and EVO ID6 systems. A green checkmark indicates CIC compatibility, while red crosses mark incompatible systems.

4. SETUP AND INSTALLATION

Installation of the ANYFAR RM-BM2506F Decoder Adapter requires technical proficiency. If you are not comfortable with car electronics installation, it is recommended to seek professional assistance.

4.1 General Installation Steps

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected before starting any electrical work.

2. **Access Head Unit:** Carefully remove the trim panels and components necessary to access the OEM head unit and the back of the car screen.

3. **Connect LVDS Cables:** Disconnect the original LVDS cable from the OEM screen. Connect the provided LVDS cable from the decoder adapter to the OEM screen. Then, connect the original LVDS cable to the 'OUT LVDS' port on the decoder adapter.

4. **Power and CAN Connections:** Connect the power and CAN bus wires from the decoder adapter to the vehicle's wiring harness as indicated in the wiring diagram.

5. **Auxiliary Connections:** Connect the AUX OUT cable to the vehicle's AUX input. This is crucial for audio output.

6. **USB and Microphone:** Connect the USB extension cable for media playback and phone charging. Connect the external microphone for voice commands and calls.

7. **Camera Connections (Optional):** If installing a backup or front camera, connect the CVBS cables to the designated 'Rear View CVBS' and 'Front View CVBS' ports on the adapter. Ensure the 12V camera power is correctly wired.

8. **Toggle Switch Configuration:** Adjust the DIP switches on the decoder adapter according to your specific vehicle model and screen resolution. Refer to the product documentation for the correct switch settings.

9. **Test Functionality:** Before reassembling, reconnect the battery and test all functions (CarPlay, Android Auto, Mirror Link, USB, Camera, original controls) to ensure correct operation.

10. **Reassemble:** Once all functions are verified, carefully reassemble the vehicle's dashboard components.
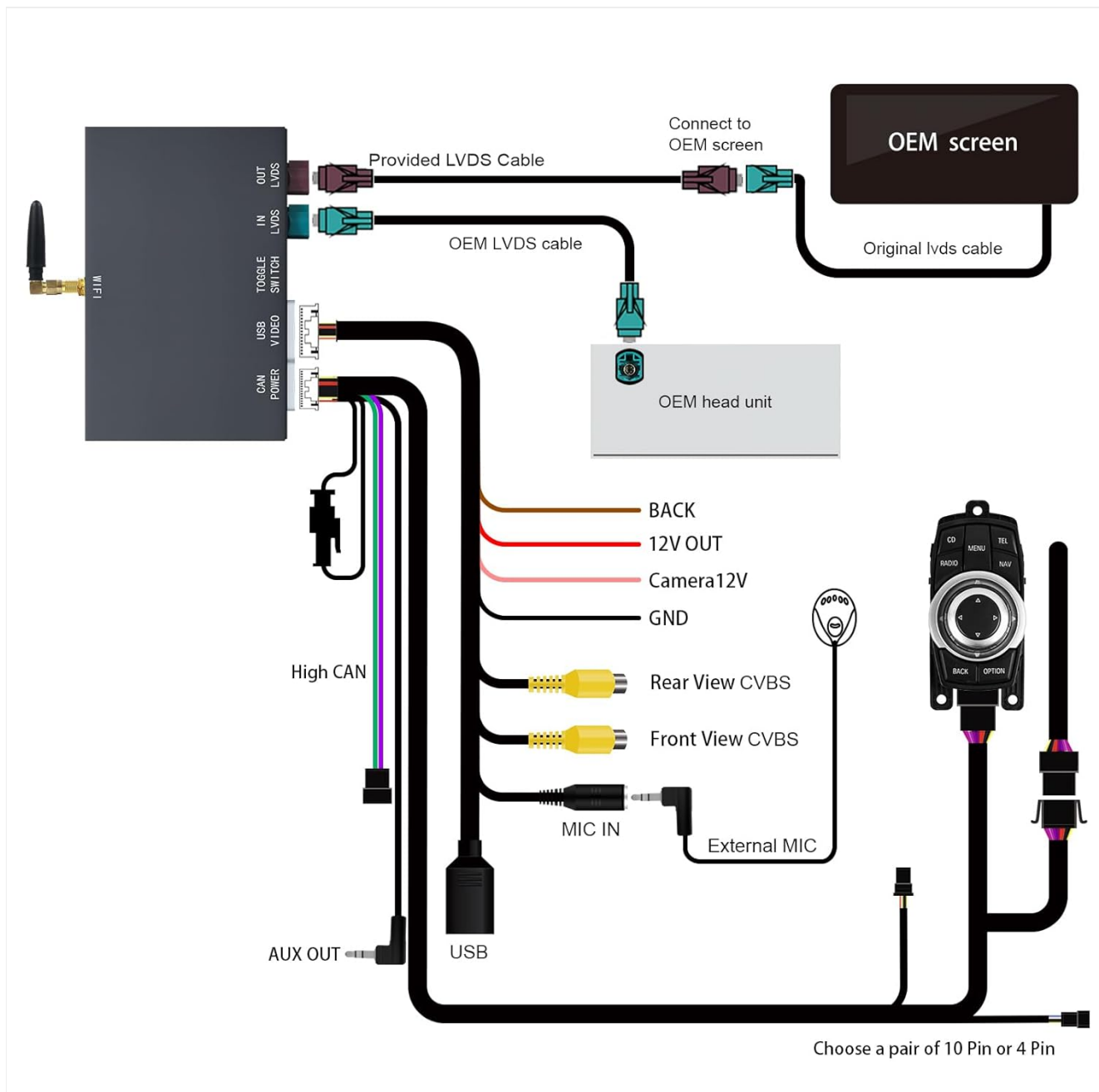

Image: A comprehensive wiring diagram illustrating the connections between the ANYFAR decoder adapter, OEM screen, OEM

5. OPERATING INSTRUCTIONS

After successful installation, the decoder adapter allows you to access new features while retaining your original car's controls.

5.1 Switching Between Systems

To switch between the original BMW CIC system and the adapter's interface (CarPlay/Android Auto), typically press and hold the MENU or BACK button on your iDrive controller for a few seconds. Refer to your specific vehicle's instructions for exact button mapping.

5.2 Wireless CarPlay & Android Auto

Image: A car's infotainment screen displaying the Apple CarPlay interface with various app icons for phone, music, maps, and messages.

1. **Pairing:** On your smartphone, enable Bluetooth and Wi-Fi. Search for the adapter's Bluetooth name (usually 'ANYFAR_XXXX') and pair. Confirm the pairing code on both devices.

2. **Automatic Connection:** Once paired, CarPlay or Android Auto should connect automatically when you start the vehicle.

3. **Functions:** Use the car's iDrive controller, steering wheel buttons, or voice commands (via Siri or Google Assistant) to navigate apps, make calls, send messages, and control music.

5.3 Mirror Link (AirPlay/AutoLink)

Image: A smartphone displaying a video, with the same video content mirrored onto the car's larger infotainment screen, demonstrating the Mirror Link feature.

This feature allows you to display your smartphone's screen directly onto the car's display. Connect your phone via Wi-Fi or USB, then activate the Mirror Link function from the adapter's menu. This is ideal for viewing videos or other content from your phone.

5.4 USB Playback

Image: A car's infotainment screen displaying various media content, including movie posters and music notes, indicating playback from a USB drive.

Insert a USB drive containing audio or video files into the provided USB port. Navigate to the USB Playback option in the adapter's menu to browse and play your media files.

5.5 Camera Function

Image: A car's infotainment screen showing the view from a backup camera, complete with dynamic parking guidelines, as the vehicle is in a parking garage.

If a backup camera is connected, the display will automatically switch to the camera view when the vehicle is put into reverse. Front camera views can typically be accessed manually through the adapter's menu or by a short press of a specific button (refer to installation guide for details).

5.6 Retaining Original Car Controls

Compatible With Original Car

Always responsive to your needs and easy to drive

01
Original car mouse knob operation

02
Original car steering wheel operation

Volume"+"
Volume"-"
Previous Song
Next Song

Note: Due to different models, the operation method will be different, please consult customer service according to the model!

Image: Two panels demonstrating how the original BMW iDrive controller knob and steering wheel buttons are used to operate the system, highlighting the retention of factory controls.

The adapter is designed to work seamlessly with your car's existing controls. You can use the iDrive controller, steering wheel buttons, and original voice control functions to navigate the CarPlay/Android Auto interface and other adapter features.

6. MAINTENANCE

The ANYFAR RM-BM2506F Decoder Adapter is designed for durability and requires minimal maintenance.

- **Cleaning:** Keep the unit free from dust and moisture. If cleaning is necessary, use a soft, dry cloth. Do not use liquid cleaners or solvents.

- **Software Updates:** Periodically check the manufacturer's website for any available firmware updates. Updates can improve performance and add new features. Follow the provided instructions carefully when performing updates.

- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods, as this can affect its lifespan.

7. TROUBLESHOOTING

If you encounter issues with your ANYFAR Decoder Adapter, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
No display from adapter	Incorrect LVDS connection; Power issue; Incorrect DIP switch settings	Check all LVDS cables are securely connected. Verify power connections. Ensure DIP switches are set correctly for your vehicle.
No audio from adapter features	AUX cable not connected or selected; Volume too low	Ensure the AUX OUT cable is connected to your car's AUX input and the car's audio source is set to AUX. Increase volume.
Wireless CarPlay/Android Auto not connecting	Bluetooth/Wi-Fi not enabled on phone; Incorrect pairing; Interference	Ensure phone's Bluetooth and Wi-Fi are on. Forget device and re-pair. Restart phone and car.
Original car controls not working in adapter mode	CAN bus connection issue; Adapter software glitch	Check CAN bus wiring. Restart the adapter by turning off and on the car.
Backup camera not displaying	Camera not powered; CVBS cable loose; Incorrect camera settings	Verify camera power supply. Check CVBS cable connection. Ensure camera input is enabled in adapter settings.

8. SPECIFICATIONS

- **Model Number:** RM-BM2506F
- **Brand:** ANYFAR
- **Manufacturer:** Huizhou Rhythm Technology Co, Ltd
- **Compatible Systems:** BMW CIC System (2008-2013 models)
- **Connectivity:** Wireless CarPlay, Wireless Android Auto, Mirror Link (AirPlay/AutoLink), USB
- **Inputs:** USB, Microphone, Rear View CVBS, Front View CVBS
- **Outputs:** LVDS, AUX Audio
- **Package Dimensions:** 10.63 x 6.69 x 4.33 inches
- **Item Weight:** 1.74 Pounds
- **Number of Items:** 1

9. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please contact the seller or manufacturer directly. Refer to your purchase documentation for specific warranty terms and contact details.
Manufacturer: Huizhou Rhythm Technology Co, Ltd
Brand: ANYFAR

Related Documents - RM-BM2506F

	ANYFAR F06 Wireless CarPlay & Android Auto Installation Guide Detailed installation and user guide for the ANYFAR F06 Wireless CarPlay and Android Auto upgrade kit, compatible with BMW Series 6 (F06, F12, F13, G32) 2010-2020 models (CIC, NBT, EVO). Covers function introduction, installation, DIP settings, button controls, wireless connection setup for CarPlay and Android Auto, external settings like rearview camera input and radar/trajectory, and common troubleshooting tips.
	RM-VLV2510F User Manual: ANYFAR Intelligent Car Information System with CarPlay & Android Auto User manual for the RM-VLV2510F, an intelligent car information system by ANYFAR that adds wireless Apple CarPlay and Android Auto functionality to compatible Volvo vehicles. Includes installation, setup, specifications, and troubleshooting.
	ANYFAR RM-AR2749F User Manual: Intelligent Car Information System for Alfa Romeo Comprehensive user manual for the ANYFAR RM-AR2749F intelligent car information system, featuring Apple CarPlay and Android Auto for Alfa Romeo Giulia and Stelvio (2017-2020). Includes installation, settings, specifications, and troubleshooting.
	ANYFAR Wireless CarPlay & Android Auto Interface User Manual for Audi MIB/MMI 3G+ Comprehensive user manual for the ANYFAR Wireless CarPlay and Android Auto interface kit designed for Audi MIB/MMI 3G+ systems. Covers installation, setup, connection methods for Apple CarPlay, Android Auto, and screen mirroring, audio settings, reversing camera configuration, and steering wheel controls for various Audi models.
	User Manual: Wireless CarPlay & Android Auto for BMW CIC Systems Comprehensive user manual for installing and operating the ANYFAR Wireless CarPlay and Android Auto interface for BMW CIC systems, covering functional statements, toggle switch setup, wireless connection methods for CarPlay and Android Auto, screen mirroring, audio settings, kit contents, cable connections, installation, and sound setup.
	ANYFAR RM-VLV2540F User Manual: CarPlay & Android Auto Integration for Volvo Comprehensive user manual for the ANYFAR RM-VLV2540F intelligent car information system, detailing installation, setup, wireless connectivity for Apple CarPlay and Android Auto, camera input, and troubleshooting for Volvo vehicles.