

AMASE AUDIO Android 14, 8 Cores, 4GB RAM + 64GB ROM

AMASE AUDIO Android 14 Car Radio Instruction Manual

MODEL: ANDROID 14, 8 CORES, 4GB RAM + 64GB ROM

Compatible for BMW E46 3 Series 1999-2004

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AMASE AUDIO Android 14 Car Radio. This unit is designed to enhance your driving experience with advanced features including a 10.1" electric rotated touchscreen, Wireless CarPlay, Android Auto, DSP+, 4G WiFi, and Bluetooth 5.4. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. What's in the Box

Verify that all components are present before beginning installation.

- AMASE AUDIO Android 14 Car Radio Unit
- Power Cable
- Canbus Decoder
- Radio Antenna Adapter
- USB Cables (2)
- RCA Cable Set
- GPS Antenna
- Microphone (MIC)
- Rear Camera Input Cable
- Installation Tool (Pry tool and screwdriver)
- Rear Camera (Optional, if included in package)
- User Manual
- Installation Steps Instructions for BMW E46

BMW E46 installation effect



Image: All components included with the AMASE AUDIO Android 14 Car Radio.

Video: Unboxing the AMASE AUDIO Android 14 Car Radio for BMW E46, showing all included accessories and cables.

3. Installation

Important Note: If your BMW E46 has the BM53/54 amplifier in the trunk area, the head unit cannot be plug and play. You will need to purchase an extended cable (ASIN: B07CN1P7RL) separately.

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
2. **Remove Original Radio:** Carefully remove the trim panels around the existing radio and climate control unit using the provided installation tool. Unscrew the mounting screws holding the original radio in place.
3. **Disconnect Wiring:** Disconnect all wiring harnesses from the back of the original radio and climate control unit.
4. **Install New Unit:** Connect the provided wiring harnesses (Power Cable, Canbus, USB, RCA, GPS Antenna, Radio Antenna, MIC, Rear Camera Input) to the AMASE AUDIO head unit. Ensure all connections are secure.
5. **Mount New Unit:** Slide the new head unit into the dashboard opening. Secure it with screws.

6. **Reconnect Climate Control:** Reinstall the climate control unit and any removed trim panels.
7. **Test Functionality:** Reconnect the battery and turn on the ignition to test the head unit's functionality before fully reassembling the dashboard.

BMW E46 installation effect



Image: Comparison of the BMW E46 dashboard before and after the installation of the AMASE AUDIO Android 14 Car Radio.

Video: Demonstrates the unboxing and initial wiring connections for the BMW E46 car radio, including the main unit and various cables.

4. Operating Instructions

The AMASE AUDIO Android 14 Car Radio offers a user-friendly interface with a variety of functions. The 10.1" touchscreen can be electrically rotated 90 degrees for optimal viewing.

4.1. Electric Rotated Touchscreen

The 10.1" touchscreen can be rotated 90 degrees with a single touch. The UI interface will automatically adjust to the new orientation for optimal viewing.

**One touch
Auto
rotated to 90°C**



**User friendly!!
The UI interface will
be sync adjusted.**

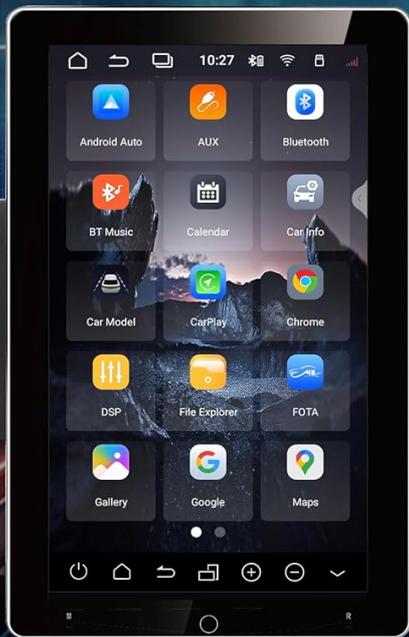


Image: The car radio screen demonstrating its 90-degree electric rotation feature, with the UI adjusting automatically.

4.2. Wireless CarPlay & Android Auto

The unit has a built-in CarPlay app for seamless integration with both Apple CarPlay and Android Auto. Connect your smartphone wirelessly via Bluetooth for navigation, music, calls, and more. No extra dongle or cable is needed for wireless connection.

Apple Carplay/Android auto



Image: The car radio display showing the Apple CarPlay and Android Auto interfaces, highlighting wireless connectivity.

4.3. GPS Navigation

Utilize built-in Google Maps for GPS navigation. The system supports both online and offline navigation with multiple map app software options.

Video: Demonstrates GPS navigation functionality, including map browsing and route planning on the car radio display.

4.4. Bluetooth 5.4

Connect your phone via Bluetooth 5.4 for hands-free calling, wireless music streaming, and phonebook synchronization. The system supports faster transmission speeds and a longer effective range.

Video: Shows Bluetooth hands-free calling features, including dialing and call history, on the car radio.

4.5. FM/AM Radio with RDS

Enjoy your favorite radio stations with built-in FM/AM radio and RDS support. Easily scan and save stations for convenient access.

Video: Demonstrates the FM/AM radio interface, allowing users to tune into stations and switch between bands.

4.6. Multimedia Playback

The unit supports 1080p video playback and various music formats from USB, SD card, or streaming services. Enjoy high-resolution media directly on your car's display.

Video: Shows the music player interface and 1080p video playback capabilities on the car radio.

4.7. DSP (Digital Sound Processor)

The built-in DSP allows for dynamic sound adjustment, including EQ control, precise volume control, and frequency adjustment to optimize your audio experience.



Image: The DSP (Digital Sound Processor) interface showing equalizer controls and sound field adjustments for enhanced audio.

4.8. App Support & Online Browsing

Access the Google Play Store to download and customize your head unit with various applications. Browse online using the built-in Chrome browser with 4G SIM card support or 5GHz/2.4GHz WiFi connectivity.

Video: Demonstrates browsing online and downloading apps from the Google Play Store on the car radio.

4.9. Rear & Front Camera Input

The unit supports rear and front camera input (cameras not included). This feature provides full-screen view, reverse image, and parking assist lines for safer maneuvering.



Image: The car radio screen displaying a rear camera view with parking assist lines, aiding in safe parking.

4.10. OBDII & TPMS Support

Built-in apps support OBDII (On-Board Diagnostics II) and TPMS (Tire Pressure Monitoring System) devices (devices not included). Monitor your vehicle's performance and tire pressure directly from the head unit.



Image: The car radio display showing diagnostic information from OBDII and tire pressure data from TPMS.

4.11. Split Screen Functionality

Handle multiple tasks simultaneously with the split-screen feature. Run two applications side-by-side, such as navigation and music playback.

5. Specifications

- **Operating System:** Real Android 14.0
- **Processor:** Rockchip Octa-Core (Quad-Cortex-A72@2.3GHz + Quad-Cortex-A53@2.2GHz)
- **RAM:** 4GB
- **ROM:** 64GB
- **Display:** 10.1" QLED Touchscreen
- **Resolution:** 1280x720 pixels
- **Connectivity:** 4G (SIM card slot), 5GHz/2.4GHz WiFi, Bluetooth 5.4
- **Special Features:** 90° Electric Rotated Screen, Built-in DSP, Wireless CarPlay/Android Auto, GPS Navigation, 1080p Video Playback, Split Screen, Multicolor LED Buttons, OBDII & Rear Camera Support

- **Item Weight:** 1.87 pounds
- **Product Dimensions:** 11.06 x 6.22 x 5.39 inches

6. Troubleshooting

If you encounter any issues with your car radio, please refer to the following common troubleshooting steps:

- **No Power:** Check all power connections. Ensure the vehicle's battery is charged and properly connected. Verify the fuse is intact.
- **No Sound:** Check speaker connections. Ensure volume is not muted or set too low. Verify DSP settings are configured correctly.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky.
- **Bluetooth Connection Issues:** Ensure Bluetooth is enabled on both the head unit and your smartphone. Try unpairing and re-pairing the devices.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, perform a factory reset (note: this will erase all user data).
- **CarPlay/Android Auto Not Connecting:** Ensure your phone's software is up to date. Verify Bluetooth is connected. Try restarting both the head unit and your phone.

For further assistance, please contact AMASE AUDIO customer support.

7. Warranty and Support

The AMASE AUDIO Android 14 Car Radio comes with a **One Year Warranty**. This warranty covers defects in parts, excluding the screen (human-damaged parts are not included).

For warranty claims, technical support, or any product-related inquiries, please contact AMASE AUDIO customer service through the platform where you purchased the product or visit the official AMASE AUDIO store.

AMASE AUDIO Store: [Visit the AMASE AUDIO Store](#)