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SIXTOP 4-Core 4+128G

SIXTOP Android 15 Car Radio User Manual

For BMW X3 E83 (2004-2010) - Model: 4-Core 4+128G

1. Introduction

Thank you for choosing the SIXTOP Android 15 Car Radio. This manual provides essential information for the proper installation, operation, and maintenance of your new car multimedia system. Please read this manual thoroughly before installation and use to ensure optimal performance and safety. This unit is specifically designed for BMW X3 E83 models manufactured between 2004 and 2010.

2. Safety Information

- **Professional Installation Recommended:** Installation of this product requires technical knowledge and experience. It is highly recommended to have it installed by a qualified professional to avoid damage to the unit or your vehicle.
- **Power Supply:** Ensure the car radio is connected to a 12V DC power supply with negative grounding. Incorrect voltage can cause damage.
- **Wiring:** Do not modify the wiring harness. Incorrect wiring can lead to malfunctions or electrical hazards.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the unit dry. Exposure to moisture can cause damage.

3. Package Contents

Please check the package contents against the list below. If any items are missing or damaged, contact your retailer.

Image 3.1: Overview of the car radio dimensions and included accessories. The image displays the main unit with dimensions (320mm width, 130mm height, 233mm top width) and a separate mounting bracket (220mm width, 145mm height). Below these, a list of included components is shown: Canbus box, Rear view input cable, GPS antenna, User manual, Power cable, USB cable, another Power cable, Installation tool, Camera, and Microphone.

- SIXTOP Android 15 Car Radio Unit
- Canbus Box
- Rear View Input Cable
- GPS Antenna
- User Manual
- Power Cable (main)
- USB Cable
- Power Cable (additional)
- Installation Tool
- AHD Rear View Camera
- External Microphone

4. Specifications

The following are the technical specifications for the SIXTOP Android 15 Car Radio (4-Core 4+128G model):

Feature	Specification
System	Android 15
Screen Material	Incell Touchscreen
Chipset	RK3326s
MCU	G0001alt
Sound Processor	TM2313
Operating Speed	1.5 GHz
Screen Size	9 inches
Memory (RAM+ROM)	4GB RAM + 128GB ROM
Display Resolution	1280 x 720
Bluetooth	Bluetooth 5.0
Radio Chip	UMW2652
Audio Output Power	4 x 45 W
Operating Voltage	9V-16V
Working Temperature	-20 °C to 70 °C
Power Amplifier Chip	YD7388
Radio Band	FM/RDS
Reverse Input	AHD/CVBS
Connectivity	WiFi, Dual USB Interface
Supported Audio Formats	APE/FLAC/WAV/MP3/WMA etc.
Supported Video Formats	MKV/RMVB/AVI/MP4/MDV etc.
Supported Image Formats	PNG/JPEG/JPG/GIF/WBMP/BNP etc.
Special Features	Wireless CarPlay, Android Auto, Mirror Link, GPS Navigation, Split Screen, Steering Wheel Control (SWC)

5. Installation Guide

5.1 Pre-Installation Checks

- Verify that your vehicle is a BMW X3 E83 (2004-2010).
- Ensure the vehicle's electrical system is disconnected before starting installation.
- Confirm all package contents are present and undamaged.

5.2 Vehicle Compatibility Overview

Image 5.1: This image illustrates the dashboard of a BMW X3 E83. The bottom panel shows the original dashboard layout with the factory radio. The top panel shows the same dashboard after the SIXTOP Android 15 Car Radio has been successfully installed, demonstrating its integrated fit and appearance.

5.3 Wiring Connections

Connect the provided wiring harness to the car radio and your vehicle's existing wiring. Refer to the wiring diagram included in the separate user manual for detailed pin assignments. Key connections include:

- **Power Cable:** Connect to the vehicle's power supply (12V DC).
- **CANbus Box:** Connect the CANbus box to the radio and the vehicle's CANbus system for steering wheel control and

other vehicle data integration.

- **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
- **USB Cables:** Connect the USB extension cables to the radio. These can be routed to the glove compartment or center console for easy access.
- **Rear View Camera Input:** Connect the AHD rear view camera cable to the designated input on the radio.
- **External Microphone:** Plug in the external microphone for improved call quality.

5.4 Physical Installation

1. Carefully remove the original car radio and trim panels from your BMW X3 E83.
2. Connect all necessary wiring harnesses, antennas, and accessories to the new SIXTOP car radio.
3. Mount the new car radio into the dashboard opening, ensuring all cables are tucked away neatly and not pinched.
4. Secure the radio using the appropriate mounting brackets and screws.
5. Reinstall the trim panels, ensuring they snap securely into place.
6. Reconnect the vehicle's battery.

6. Operating Instructions

6.1 Initial Power-On and Basic Navigation

After installation, turn on your vehicle's ignition. The car radio should power on automatically. The main interface will display various applications and widgets. Navigate using the touchscreen by tapping, swiping, and dragging.

6.2 Wireless CarPlay & Android Auto

This unit supports both Wireless CarPlay for iOS devices and Wireless Android Auto for Android devices, allowing seamless integration of your smartphone's features.

Image 6.1: This image displays the user interface for Wireless CarPlay and Android Auto. It shows features like hands-free calling, online music playback, GPS navigation, and access to various apps. Below, it illustrates both wired and wireless Mirror Link capabilities for Android and iOS devices, showing how phone screens can be mirrored onto the car radio display.

1. Ensure your phone's Bluetooth and Wi-Fi are enabled.
2. On the car radio, open the CarPlay or Android Auto application.
3. Follow the on-screen prompts to pair your phone via Bluetooth. Once paired, the system will automatically establish a Wi-Fi connection for wireless CarPlay/Android Auto.
4. You can now access navigation, music, calls, and messages directly from the car radio display.

6.3 GPS Navigation & Wi-Fi Connectivity

The unit features a built-in GPS module and Wi-Fi for online and offline navigation and internet access.

Image 6.2: The top part of the image shows the GPS navigation interface with a map displaying a route and turn-by-turn directions. Several app icons for navigation and other services are visible. The bottom part illustrates the Wi-Fi connection settings, showing available networks and the process of connecting to a Wi-Fi hotspot.

- **GPS:** Open the Navigation app. The unit comes with integrated offline maps (data download required). For real-time traffic and updated maps, connect to Wi-Fi.
- **Wi-Fi:** Go to Settings > Network & Internet > Wi-Fi. Select your desired network and enter the password to connect. Once connected, you can browse the web, download apps, and use online services.

6.4 Bluetooth 5.0 & FM/RDS Radio

Connect your phone via Bluetooth for hands-free calling and music streaming. Enjoy your favorite radio stations with FM/RDS functionality.

Image 6.3: This image shows the Bluetooth 5.0 interface, featuring options for hands-free calling with a dial pad and contact list, and Bluetooth music playback controls. Below, the FM/RDS radio interface is displayed, showing frequency tuning, preset stations, and signal strength indicators.

- **Bluetooth:** Go to the Bluetooth app. Enable Bluetooth on your phone and search for the car radio (e.g., "SIXTOP Car Radio"). Pair the devices. Once connected, you can make/receive calls and play music through the car speakers. The external microphone enhances call clarity.
- **FM/RDS Radio:** Open the Radio app. Use the scan function to find available stations or manually tune to a frequency. RDS (Radio Data System) provides station information where available.

6.5 AHD Rear View Camera Input & Steering Wheel Control (SWC)

Enhance parking safety with the AHD rear view camera and control essential functions directly from your steering wheel.

Image 6.4: The top section of the image shows the Steering Wheel Control (SWC) learning interface, where users can assign functions like volume, mode, and navigation to their steering wheel buttons. The bottom section displays the AHD Rear View Camera input, showing a clear, wide-angle, night vision image with parking guidelines, indicating its waterproof capabilities.

- **AHD Rear View Camera:** When the vehicle is shifted into reverse, the image from the connected AHD camera will automatically display on the screen, providing a clear view with parking guidelines.
- **Steering Wheel Control (SWC):** Go to Settings > Steering Wheel Control. Follow the on-screen instructions to program your vehicle's steering wheel buttons to control functions like volume, track skipping, and mode switching.

6.6 Split Screen Function

Multitask efficiently by running two applications side-by-side on the screen.

Image 6.5: The top part of the image demonstrates the split-screen functionality, showing a navigation map on one side and the FM radio interface on the other. The bottom part displays the EQ (Equalizer) function interface, allowing users to adjust audio frequencies with various preset modes like Pop, Rock, Jazz, and a custom user setting.

- To activate split screen, open an application, then long-press the recent apps button or drag another compatible app from the recent apps list to one side of the screen.
- Adjust the size of each window by dragging the divider.

6.7 EQ Function

Customize your audio experience with the built-in equalizer.

- Access the EQ settings from the main menu or audio settings.
- Adjust frequency bands manually or select from various preset sound modes (e.g., Pop, Rock, Jazz).

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates via the system settings (requires Wi-Fi connection) to

ensure optimal performance and access to new features.

- **Avoid Liquids:** Prevent liquids from entering the unit, as this can cause severe damage.

8. Troubleshooting

If you encounter issues with your car radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, power supply issue.	Check power cable connections, inspect vehicle fuses, ensure 12V DC power.
No sound.	Volume too low, incorrect audio settings, speaker wiring issue.	Increase volume, check EQ settings, verify speaker connections.
GPS signal lost or inaccurate.	GPS antenna not properly installed or obstructed.	Ensure GPS antenna has a clear view of the sky, check antenna connection.
Bluetooth connection unstable.	Interference, phone too far, outdated firmware.	Ensure phone is close, restart both devices, check for firmware updates.
Rear view camera not displaying.	Camera wiring issue, incorrect input selection, camera malfunction.	Check camera power and video input connections, ensure vehicle is in reverse.
Steering Wheel Controls not working.	CANbus box not connected, SWC not programmed.	Verify CANbus connection, perform SWC learning procedure in settings.

If the problem persists after trying these solutions, please contact customer support for further assistance.

9. Customer Support

For technical support, warranty information, or service inquiries, please contact your retailer or the manufacturer directly. Please have your product model number (4-Core 4+128G) and purchase details ready when contacting support.