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 - > SIXTOP 4G+64G 8 Core Qualcomm Radio Android 13 Car Stereo User Manual

SIXTOP 4G+64G, DSP

SIXTOP Car Stereo User Manual

Model: 4G+64G, DSP

1. PRODUCT OVERVIEW

The SIXTOP 4G+64G 8 Core Qualcomm Radio is an advanced Android 13 car stereo system designed specifically for Mazda 3 models from 2004 to 2009. It features a 9-inch QLED touchscreen, integrated GPS navigation, Digital Signal Processing (DSP) for enhanced audio, Bluetooth 5.1, WiFi 6, FM/RDS radio, Steering Wheel Control (SWC) compatibility, and AHD camera support. This unit provides a comprehensive upgrade to your vehicle's infotainment system.



Image: SIXTOP Car Stereo unit with included accessories such as the backup camera, external microphone, and visual representation of wireless CarPlay and Android Auto connectivity.

2. SETUP AND INSTALLATION

This car stereo is designed for direct fitment in Mazda 3 vehicles manufactured between 2004 and 2009. Ensure your vehicle's original radio is the basic version; this unit does not support vehicles with a factory large screen without additional frame and wiring harness modifications.

2.1. Compatibility Check

- Compatible Car Models: Mazda 3 (2004, 2005, 2006, 2007, 2008, 2009).
- Note: Not compatible with original radios featuring a large screen. Verify your vehicle's dashboard configuration before installation.

2.2. Installation Steps (General Guidelines)

1. **Preparation:** Disconnect the vehicle's battery to prevent electrical shorts.
2. **Remove Original Unit:** Carefully remove the existing car radio and trim panels. Refer to your vehicle's service manual for specific instructions.

3. **Connect Wiring Harness:** Connect the provided wiring harness to the car stereo and the vehicle's factory wiring. Ensure all connections are secure.
4. **Install Frame:** Attach the new frame (if applicable) to the car stereo unit.
5. **Connect Peripherals:** Connect the GPS antenna, WiFi antenna, external microphone, and AHD backup camera (if included/desired).
6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the battery and power on the unit to test basic functions (power, audio, touchscreen, radio).
7. **Secure Unit:** Mount the car stereo securely into the dashboard opening.
8. **Reassemble:** Reinstall all trim panels and secure them properly.

For Mazda 3 2004-2009

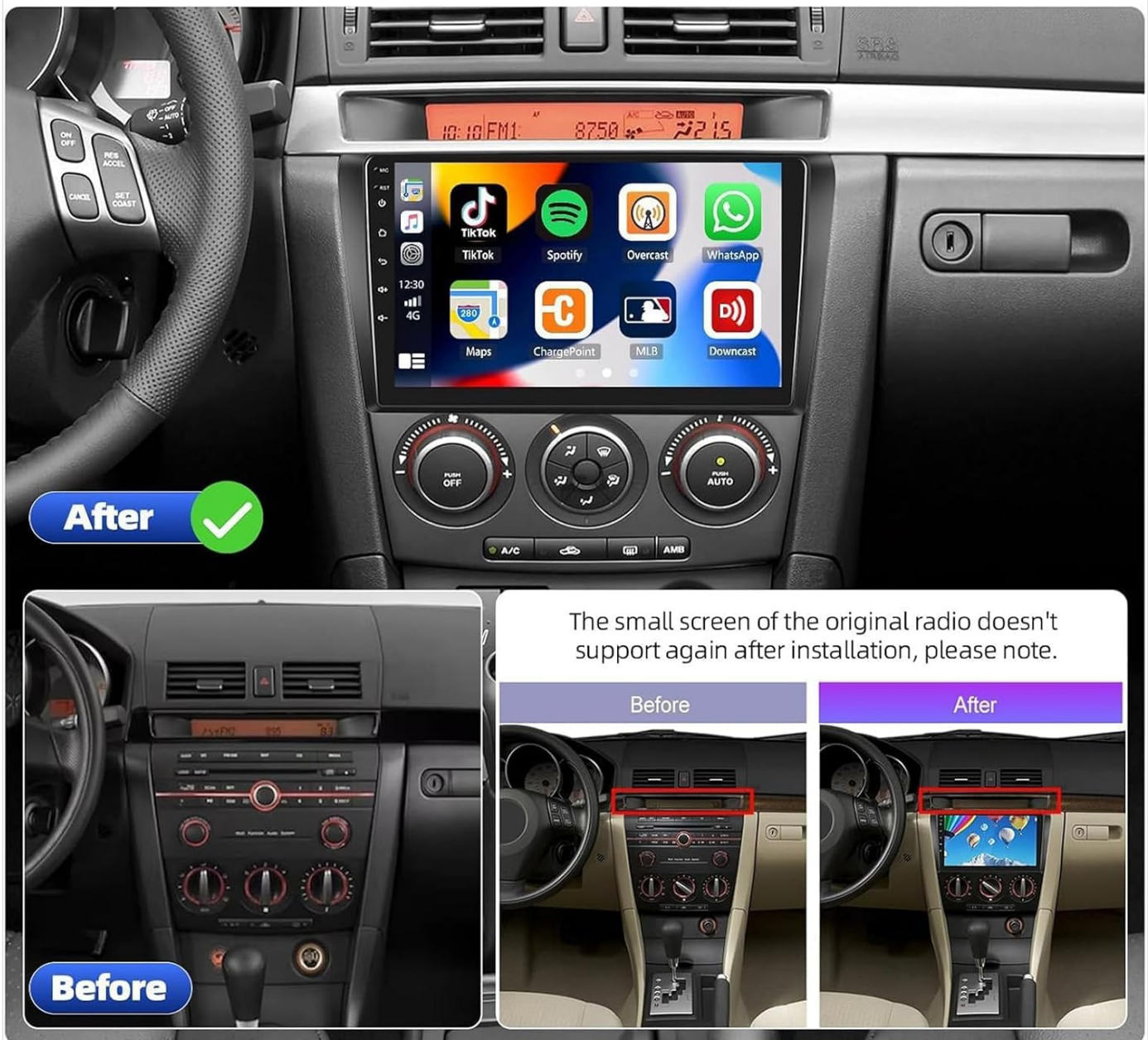


Image: Visual comparison showing the original Mazda 3 dashboard setup versus the dashboard after the SIXTOP car stereo installation, highlighting the integrated fit.

3. OPERATING INSTRUCTIONS

3.1. System Navigation

The unit operates on Android 13. Navigate through applications and settings using the 9-inch QLED touchscreen. Swipe gestures and tap controls are standard.

3.2. Audio Features (DSP)

The built-in Digital Signal Processing (DSP) allows for precise audio customization. Access the DSP settings to adjust equalizer frequencies, enable noise reduction, and apply spatial effects like 3D audio and surround sound for an optimized listening experience.



Image: An illustration detailing the various functions of the Digital Signal Processing (DSP) feature, such as sound delay adjustment, 20Hz-20KHz EQ adjustment, and bass/high adjustment.

3.3. Wireless CarPlay & Android Auto

Connect your smartphone wirelessly or via a wired connection to utilize Apple CarPlay or Android Auto. This allows for voice control access to navigation, music, calls, and other compatible applications directly from the car stereo screen.

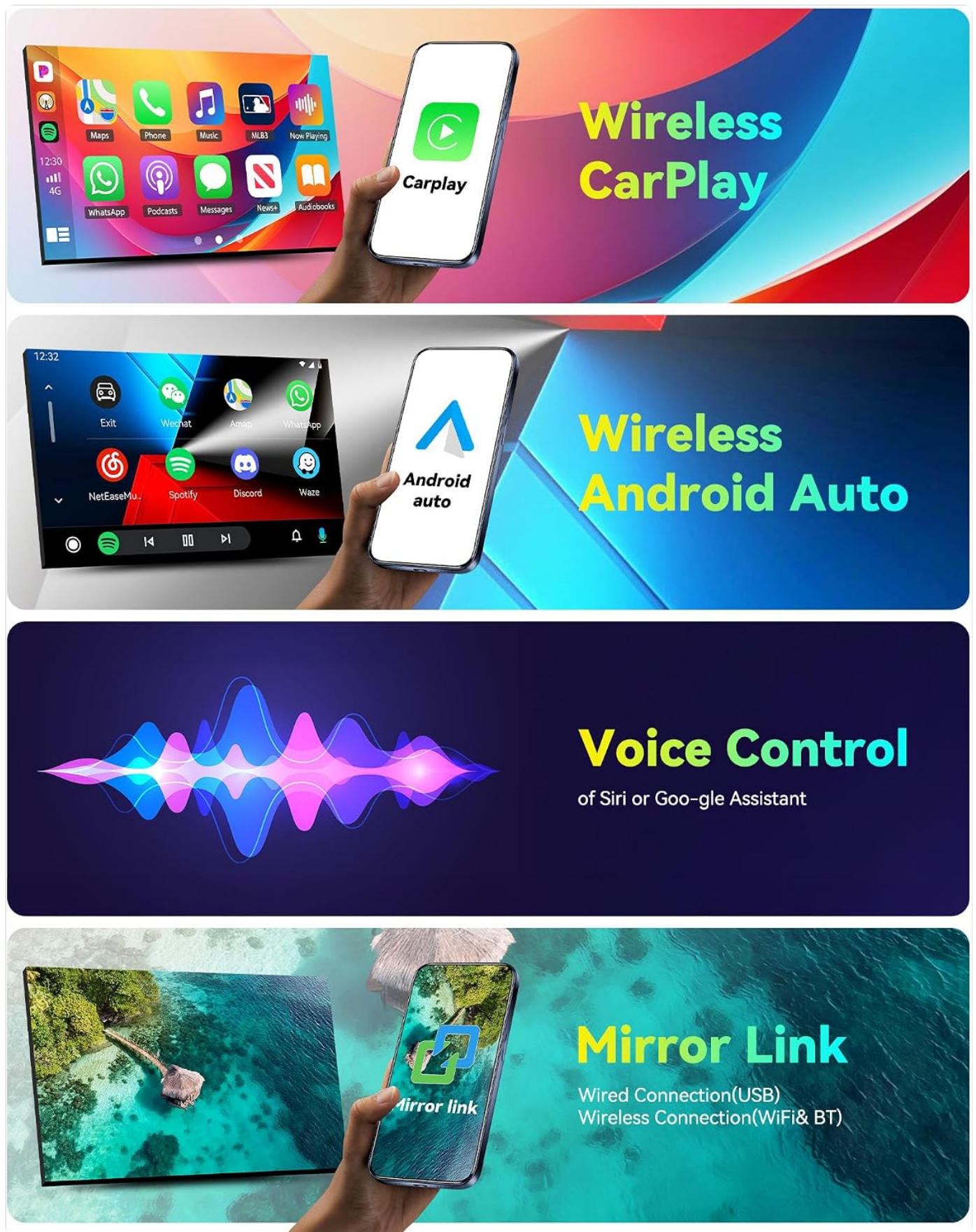


Image: A composite image showcasing the seamless integration of Wireless CarPlay, Wireless Android Auto, voice control capabilities (Siri or Google Assistant), and the Mirror Link function for both wired (USB) and wireless (WiFi & BT) connections.

3.4. Bluetooth 5.1 & FM/RDS Radio

- **Bluetooth:** Pair your mobile device via Bluetooth 5.1 for hands-free calling, contact synchronization, and audio streaming.
- **FM/RDS Radio:** Tune into FM radio stations (87.5-108 MHz) with RDS support for station information display.

3.5. WiFi 6 & GPS Navigation

- **WiFi 6:** Connect to 2.4GHz or 5GHz WiFi networks for faster internet browsing, streaming, and app downloads.
- **GPS Navigation:** Utilize the built-in GPS with support for online and offline maps (requires internet for initial data download). Compatible with various navigation applications.

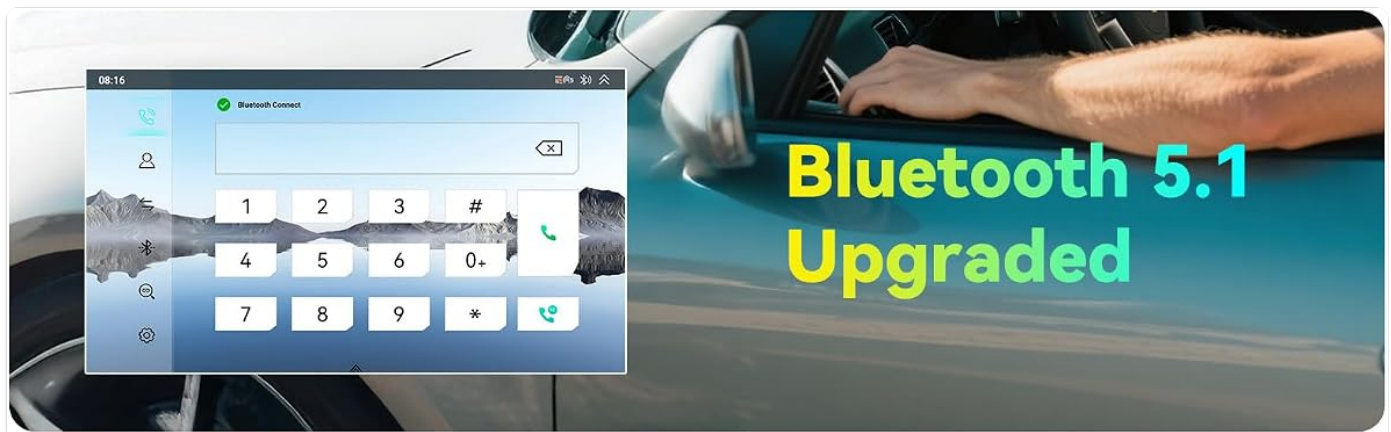


Image: A visual representation of the upgraded Bluetooth 5.1, FM/RDS Radio Receiver, Built-in WiFi 6 (supporting 2.4Ghz and 5GHz), and precise GPS Navigation (supporting Qualcomm GPS+Glonass+Beidou).

3.6. Display Features

- **QLED HD Touch Screen:** Enjoy a clear and responsive display with 1280x720 resolution, offering wide viewing angles and superior visual quality.
- **Picture-in-Picture (PIP):** The unit supports multiple screen settings, allowing you to run two applications

simultaneously in a split-screen or picture-in-picture mode.

1280*720 HD IPS HD Touch Screen



92%
Adobe RGB



99%
sRGB



93%
NTSC



Δ E<2 COLOR
GRADING



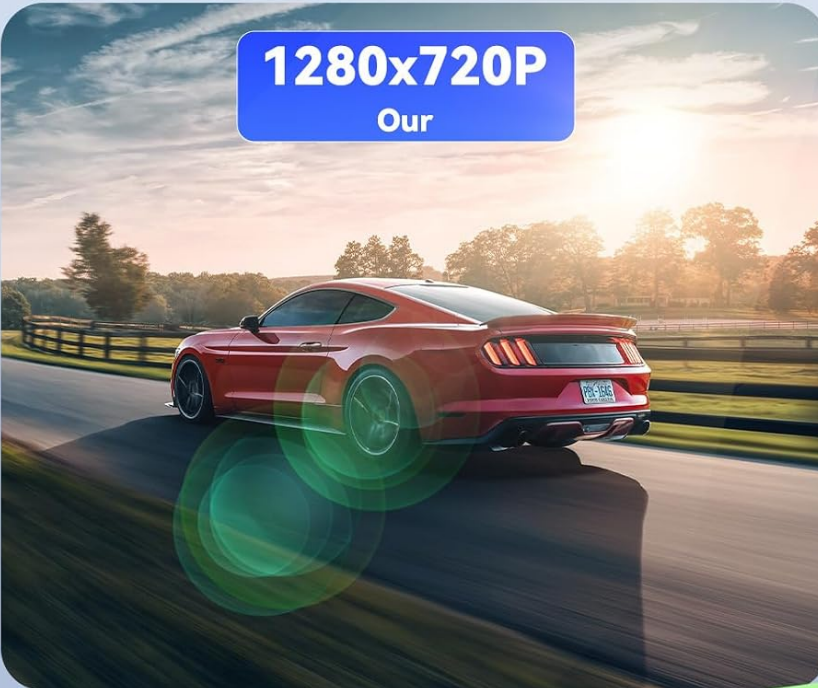
HDR400 HIGHLY
DYNAMIC



94%
DCI - P3

1280x720P

Our



1024x640P

Other

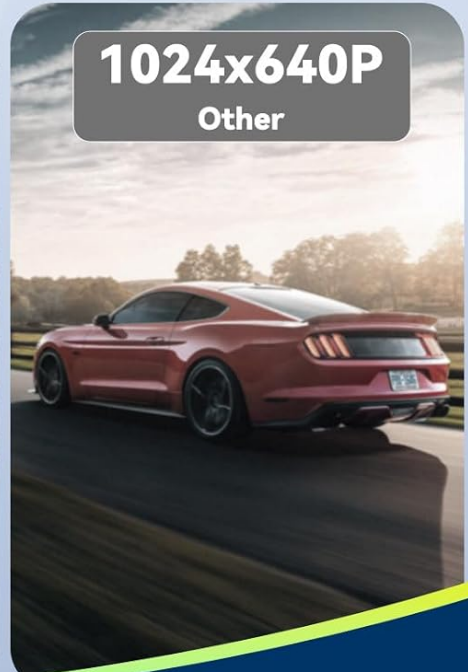


Image: An infographic highlighting the 1280x720 HD IPS HD Touch Screen's specifications, including 92% Adobe RGB, 99% sRGB, 93% NTSC, Delta E<2 Color Grading, HDR400 Highly Dynamic, and 94% DCI-P3, comparing it to a lower resolution screen.

3.7. Steering Wheel Control (SWC)

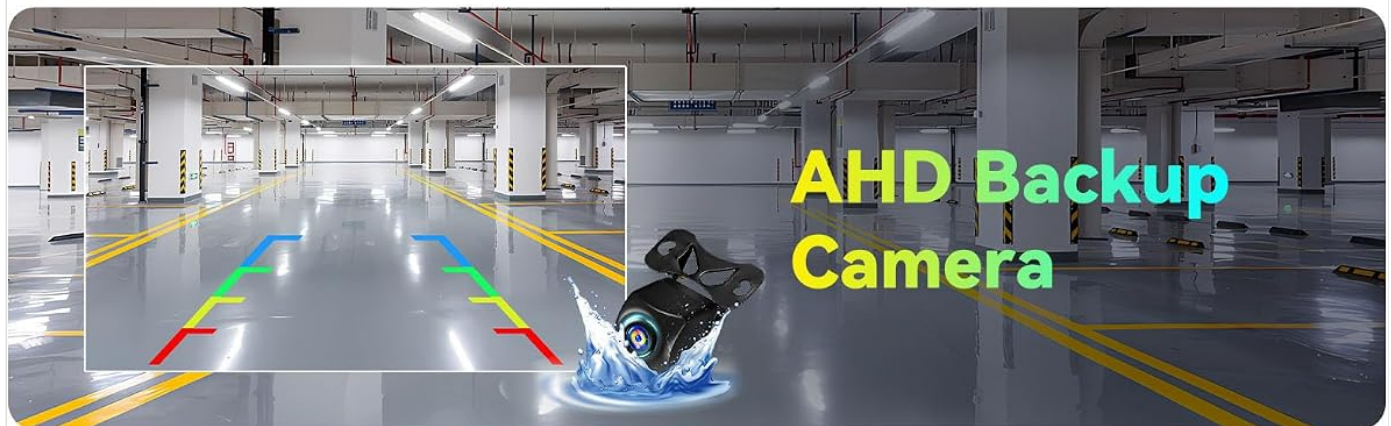
The unit supports integration with your vehicle's original steering wheel buttons, allowing for convenient and safe control of audio functions without taking your hands off the wheel.

3.8. AHD Backup Camera Support

Connect an AHD backup camera for clear reversing images. Ensure the two short wires on the camera are connected. In Factory Settings, set the camera resolution to AHD/25 for optimal performance.



Picture in
Picture



AHD Backup
Camera



Steering Wheel
Control



Support DVR
Function
(Optional)

Image: A collage of features including Picture in Picture mode, AHD Backup Camera display, Steering Wheel Control interface, and an optional DVR function.

3.9. Customization Features

- **3D Car Mode Display:** Change the car model displayed on the screen to different color themes.
- **UI Color Adjustment:** Customize the user interface colors to match your preference.
- **Cool Fan Setting:** Adjust fan settings for optimal heat dissipation, which helps prevent component aging and

performance degradation.



Image: Screenshots illustrating the UI Color Adjustment interface, the Cool Fan Setting options for temperature management, and the 3D Car Model Display feature.

4. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for system software updates to ensure optimal performance and access to new features. Updates can typically be found via the system settings or the manufacturer's website.
- **Ventilation:** Ensure the unit's ventilation areas are not obstructed to allow for proper heat dissipation. The built-in fan assists in maintaining optimal operating temperature.

5. TROUBLESHOOTING

- **No Power:** Check all wiring connections, especially the power and ground wires. Ensure the vehicle's battery is properly connected.
- **No Sound:** Verify speaker connections. Check audio settings, including volume levels and DSP configurations.
- **Backup Camera Image Unclear/No Signal:** Ensure the camera's two short wires are connected. In Factory Settings, navigate to camera resolution and set it to AHD/25. Check the camera's power and video signal connections.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase all user data).
- **Bluetooth/WiFi Connectivity Issues:** Ensure the antennas are properly connected. Try restarting the unit and the connected device. Check for interference from other electronic devices.
- **Overheating:** Verify that the fan setting is enabled and functioning correctly. Ensure there is adequate ventilation around the unit.

6. SPECIFICATIONS

Feature	Specification
System	Android 13
Chipset	SM4250; Qualcomm Snapdragon
Screen Size	9 inches
Memory (RAM+ROM)	4GB (RAM) + 64GB (ROM)
CPU	8 Core, 1.8GHz
Screen Resolution	1280*720 (QLED)
Radio Chip	8035
Power Output	MOSFET 4*50W
Bluetooth Version	5.1
Work Temperature	-20°C to 70°C
Steering Wheel Control	Supported
Power Amplifier Chip	AC7315
Radio Band	FM/RDS
GPS	Supported (GPS/Glonass/Beidou)

Feature	Specification
Reversing Input	AHD/CVBS
External Microphone	Supported
WiFi	Supported (Dual Band WiFi 6)
USB	Double USB interface
Included Components	Car Stereo with Frame, Camera, Mic, Cable
Item Weight	3.09 pounds
Package Dimensions	15.35 x 11.81 x 4.33 inches

7. WARRANTY AND SUPPORT

7.1. Product Warranty

This SIXTOP car stereo comes with a 1-Year Warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

7.2. Technical Support

For technical assistance, troubleshooting, or any inquiries regarding your SIXTOP product, please contact our online support team:

Email: SIXTOP123@163.com

Our support team is available to provide assistance and guidance.

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

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