463be9ba-ef58-4a60-bba2-6ae9fc652abf

Generic 7-Inch Android 14 Car Stereo Instruction Manual

Model: 463be9ba-ef58-4a60-bba2-6ae9fc652abf
For Toyota Avensis T25 (2003-2008)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your new Generic 7-inch Android 14 Car Stereo. This multimedia head unit is designed specifically for Toyota Avensis T25 models manufactured between 2003 and 2008, offering advanced features such as GPS navigation, Bluetooth, Wi-Fi, and CarPlay integration. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. Product Overview and Features

The Generic Android 14 Car Stereo is an advanced multimedia system featuring an Octa-Core UIS8581A (SC9863A) ARM Cortex-A55 1.6 GHz processor with 2GB RAM and 32GB ROM, ensuring a smooth user experience. It integrates seamlessly with your vehicle's existing systems and offers a wide range of entertainment and navigation options.

Key Features:

- **Operating System:** Android 14
- **Processor:** Octa-Core UIS8581A (SC9863A) ARM Cortex-A55 1.6 GHz
- **Memory:** 2GB RAM, 32GB ROM
- **Display:** 7-inch HD IPS Touch Screen (1024x600P)
- **Audio:** Built-in DSP (48EQ) amplifier (TDA7850 4x50W)
- **Connectivity:** Built-in Wi-Fi, Bluetooth (A2DP), USB
- **Navigation:** Integrated GPS module (supports online/offline navigation)
- **Smartphone Integration:** Wired CarPlay, Mirror Link (via Wi-Fi/USB)
- **Radio:** FM/AM RDS Radio, DAB+ support (optional module)
- **Multimedia:** USB/TF media player (music, video, photo)
- **Vehicle Integration:** Steering wheel control support, rear view camera support
- **Advanced Functions:** Split screen, Picture-in-Picture (PIP), customizable panel light colors

Optional Accessories (Sold Separately):

- Rear View Camera (ASIN: B016DMWILM)
- OBD2 Diagnostic Tool (ASIN: B016DOVHCG)

- DVR (Digital Video Recorder) (ASIN: B016DND4YG)
- DAB+ Module (ASIN: B078RJD8YB)

3. What's in the Box

Carefully unpack the box and ensure all items are present and undamaged. If any items are missing or damaged, please contact your retailer.

- 1x Android Car Stereo Head Unit
- 1x Power Cable Harness
- 1x RCA Cable Set
- 1x GPS Antenna
- 2x USB Adapter Cables
- 1x External Microphone
- Other necessary installation accessories (e.g., mounting brackets, screws)



Image: Contents of the product box, showing the main head unit, power cables, RCA cables, GPS antenna, USB cables, and an external microphone.

4. Setup and Installation

Important: Professional installation is recommended. Disconnect the vehicle's battery before starting any electrical work to prevent short circuits and damage.

4.1 Compatibility Check

Before installation, verify that your vehicle's dashboard matches the compatible models. This unit is designed for Toyota

Avensis T25 (2003-2008). Compare your original radio's shape and style with the images provided.



Image: Original Toyota Avensis T25 dashboard showing the factory radio unit. Ensure your vehicle's dashboard matches this configuration.

4.2 Wiring Diagram

Refer to the wiring diagram below for proper connection of the head unit to your vehicle's electrical system and peripherals.

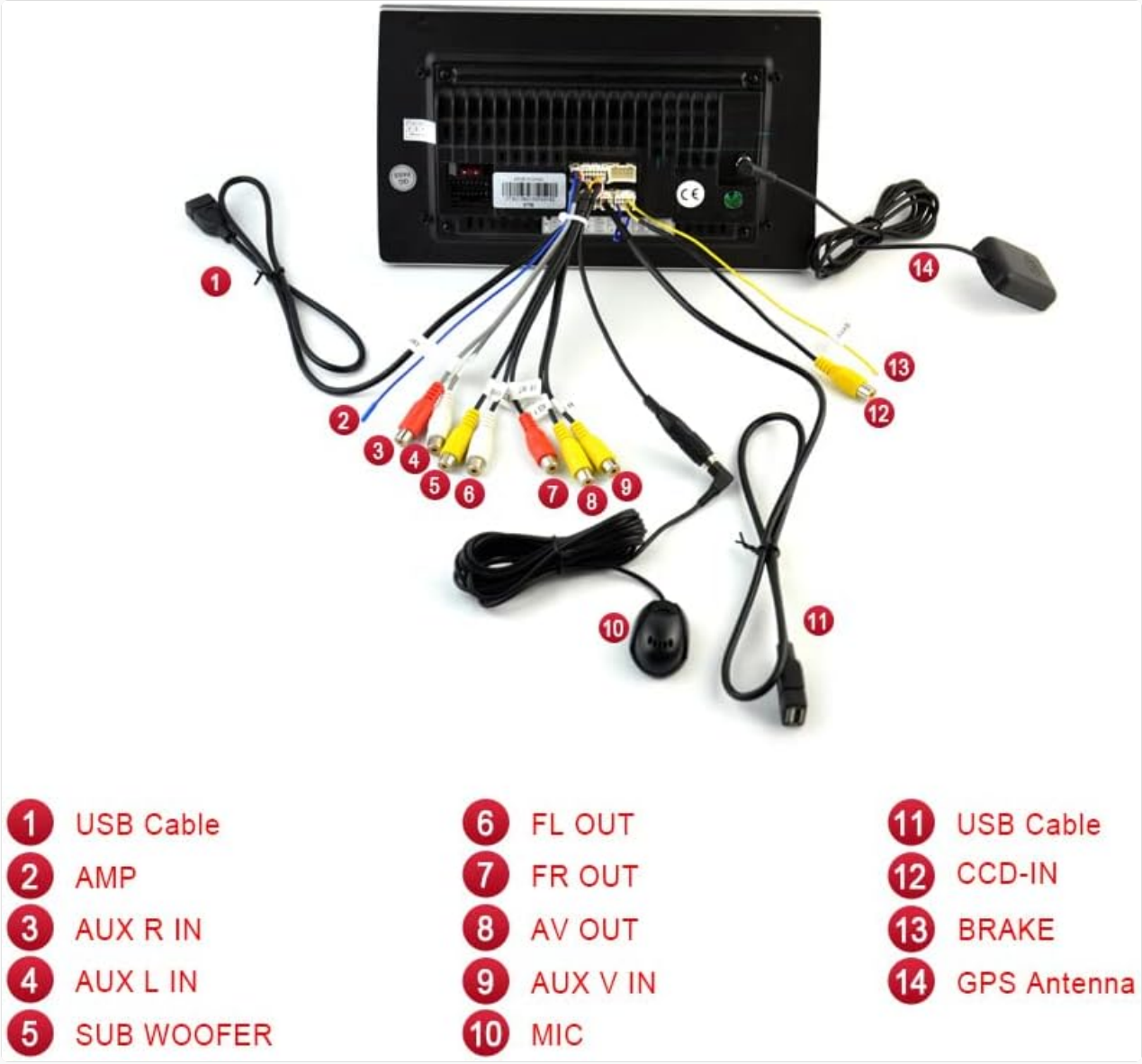


Image: Rear view of the car stereo with various ports labeled and connected cables. This diagram illustrates the connection points for USB, amplifier, auxiliary input, subwoofer, audio outputs, video output, brake wire, auxiliary video input, microphone, CCD-IN (camera input), and GPS antenna.

Wiring Key:

1. USB Cable (1)
2. AMP (Amplifier Output)
3. AUX R IN (Auxiliary Right Input)
4. AUX L IN (Auxiliary Left Input)
5. SUB WOOFER (Subwoofer Output)
6. FL OUT (Front Left Audio Output)
7. FR OUT (Front Right Audio Output)
8. AV OUT (Video Output)
9. AUX V IN (Auxiliary Video Input)
10. MIC (External Microphone Input)
11. USB Cable (2)
12. CCD-IN (Rear View Camera Input)
13. BRAKE (Brake Signal Wire)
14. GPS Antenna

4.3 Installation Steps

1. **Remove Original Radio:** Carefully remove the trim panels and screws securing the factory radio. Disconnect all cables from the original unit.
2. **Connect Wiring Harness:** Connect the provided power cable harness to the vehicle's wiring. Ensure all connections are secure.
3. **Connect Peripherals:** Connect the GPS antenna, USB cables, external microphone, and any optional accessories (e.g., rear view camera, DAB+ module) to the corresponding ports on the new head unit.
4. **Test Functionality:** Before fully reassembling the dashboard, temporarily connect the battery and power on the unit to test basic functions like power, audio, and touch screen response.
5. **Mount the Unit:** Secure the new car stereo into the dashboard opening using the provided mounting brackets and screws.
6. **Reassemble Dashboard:** Carefully reattach all trim panels.



Image: Close-up view of the car stereo's connectors, illustrating the different types of plugs and sockets for various connections.

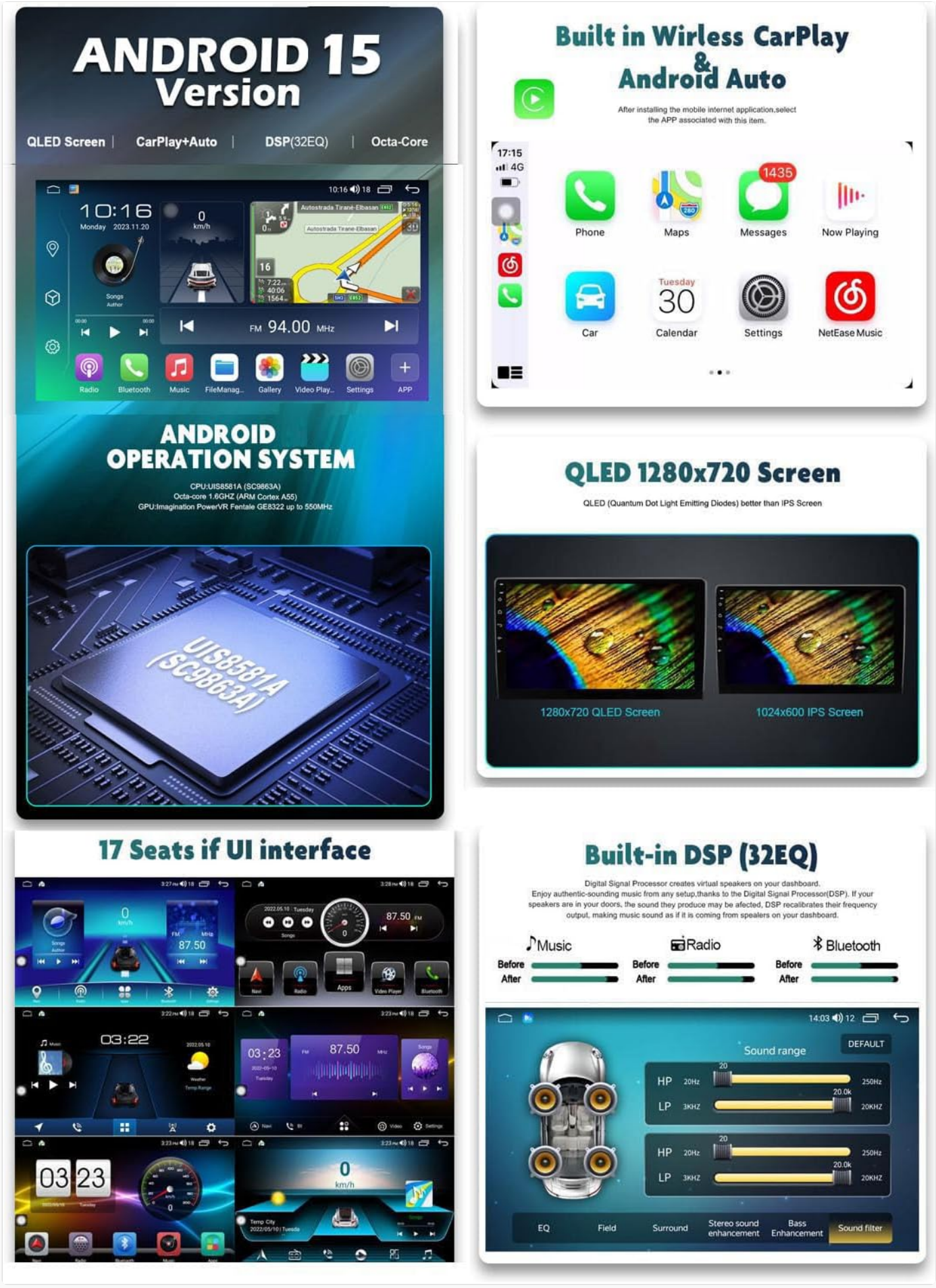


Image: Comparison showing the original Toyota Avensis T25 dashboard on the left and the dashboard with the new Android car stereo installed on the right, demonstrating the integrated appearance.

5. Operating Instructions

This section details the primary functions and operations of your Android 14 car stereo.

5.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually a rotary knob or a dedicated button) to turn the unit on or off. A short press typically mutes the audio.
- **Volume Control:** Use the rotary knob or volume buttons on the unit or steering wheel to adjust the audio level.
- **Touch Screen:** Navigate the interface by tapping, swiping, and pinching on the HD IPS touch screen.

5.2 Android Operating System

The unit runs on Android 14, providing a familiar smartphone-like interface. You can download and install various applications from the Android Store via Wi-Fi.

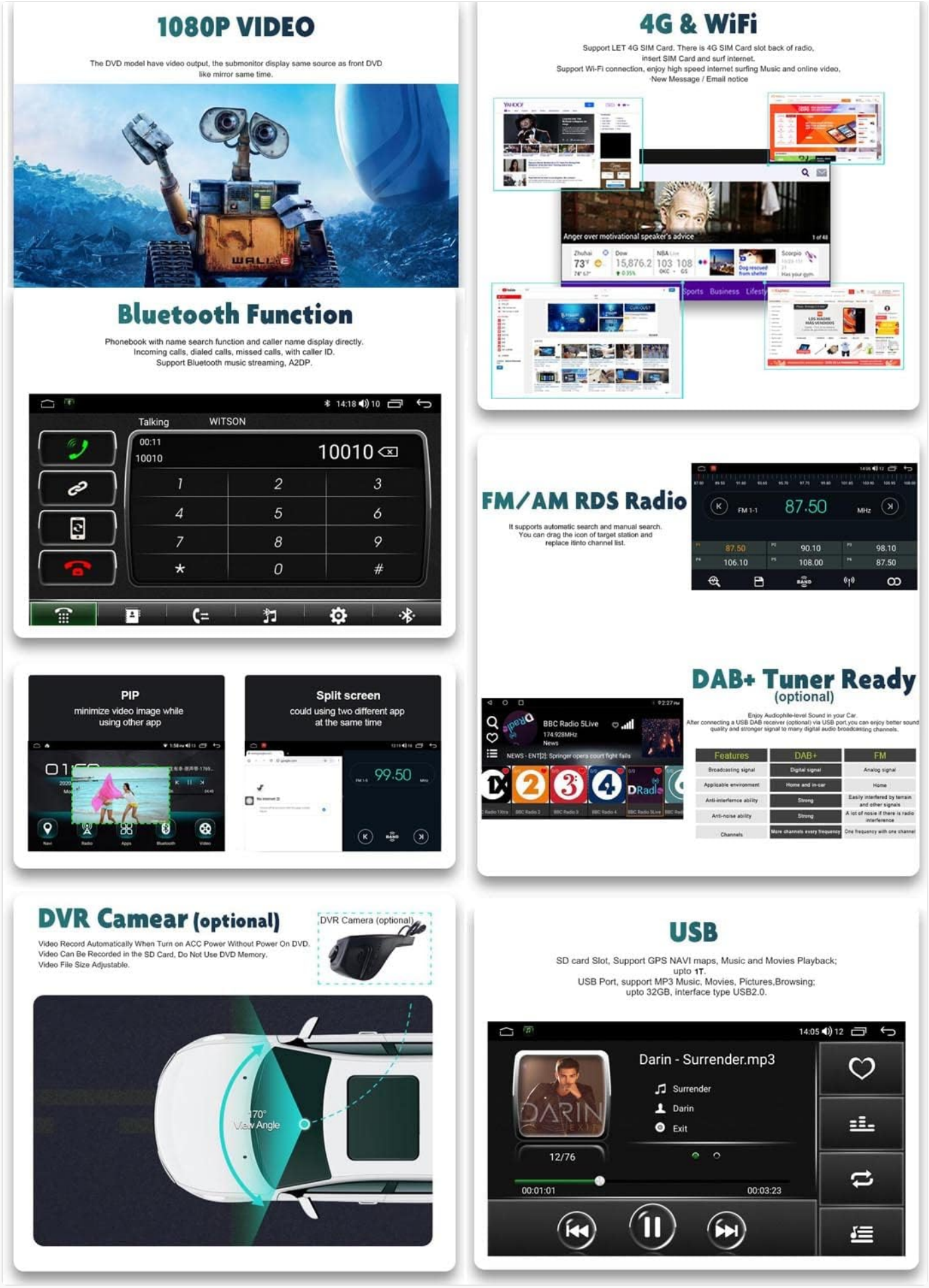


Image: A collage showcasing various features of the Android system, including the QLED screen, wireless CarPlay interface, DSP sound settings, and multiple user interface designs.

5.3 CarPlay / Android Auto

The unit supports wired CarPlay, allowing seamless integration with your iPhone. Connect your iPhone via a USB cable to access navigation, music, calls, and messages directly on the stereo display. Android Auto functionality is also supported for Android smartphones.

5.4 Bluetooth Functionality

Pair your smartphone via Bluetooth for hands-free calling and A2DP audio streaming.

1. Go to the Bluetooth settings on the head unit.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the head unit (e.g., "Witson" or similar name) from your phone's list and pair.
4. Confirm the pairing code if prompted.



Image: Bluetooth phone interface displayed on the car stereo screen, featuring a dial pad, call history, and contact access for hands-free communication.

5.5 GPS Navigation

The integrated GPS module supports both online and offline navigation. Pre-installed maps may be available, or you can download your preferred navigation apps (e.g., Google Maps, Waze) from the Android Store.

- Ensure the GPS antenna is properly installed and has a clear view of the sky.
- Open your chosen navigation application from the main menu.
- Follow the app's instructions to set your destination.

5.6 Radio (FM/AM/RDS)

Access the built-in FM/AM radio tuner. RDS (Radio Data System) provides station information where available.

- Select the 'Radio' application from the main menu.
- Use the 'Seek' or 'Tune' functions to find stations.
- Save your favorite stations as presets.

DAB+ (Digital Audio Broadcasting Plus): If you have installed the optional DAB+ module, select the DAB+ application to access digital radio stations with enhanced sound quality.

5.7 Multimedia Playback

Play music, videos, and photos from USB drives or TF cards connected to the unit.

- Insert your USB drive or TF card into the designated port.
- Open the 'Music', 'Video', or 'Gallery' application.
- Browse and select your media files for playback.

5.8 Steering Wheel Control

The unit supports your vehicle's original steering wheel controls, allowing you to adjust volume, change tracks, and answer calls safely while driving. Configuration may be required in the unit's settings menu.

5.9 Split Screen and Picture-in-Picture (PIP)

- **Split Screen:** Run two applications side-by-side on the screen. This is useful for navigation while simultaneously controlling music.
- **PIP:** Minimize a video playback window while using another application, allowing you to watch videos without interrupting other tasks.

5.10 DSP (Digital Sound Processor) Settings

The built-in DSP allows for advanced audio customization. Access the DSP settings to adjust equalizer presets (48EQ), balance, fader, and other sound effects to optimize your in-car audio experience.

5.11 Rear View Camera

If a rear view camera is connected, the display will automatically switch to the camera feed when the vehicle is put into reverse gear.

6. Maintenance

To ensure the longevity and optimal performance of your car stereo, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates through the unit's settings menu (requires Wi-Fi connection) to ensure you have the latest features and bug fixes.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme heat or cold, as this can affect its performance and lifespan.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from damage.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Blown fuse; Incorrect wiring	Check power cable connections; Inspect vehicle's fuse box; Verify wiring according to diagram.

Problem	Possible Cause	Solution
No sound	Volume too low; Mute activated; Speaker wiring issue; DSP settings	Increase volume; Check if unit is muted; Verify speaker connections; Adjust DSP settings.
GPS signal lost or inaccurate	GPS antenna not properly installed; Obstruction; Software issue	Ensure GPS antenna has clear view of sky; Check antenna connection; Restart navigation app or unit.
Bluetooth connection issues	Pairing failed; Device out of range; Interference	Ensure Bluetooth is enabled on both devices; Re-pair the devices; Move devices closer; Avoid strong interference sources.
Touch screen unresponsive	Software glitch; Screen damage	Restart the unit; If problem persists, contact support.
Steering wheel controls not working	Incorrect wiring; Not configured	Verify wiring connections; Configure steering wheel controls in the unit's settings.

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

8. Specifications

Feature	Specification
Model Number	463be9ba-ef58-4a60-bba2-6ae9fc652abf
Operating System	Android 14
Processor	Octa-Core UIS8581A (SC9863A) ARM Cortex-A55 1.6 GHz
RAM	2 GB
ROM	32 GB
Screen Size	7 Inches
Screen Resolution	1024 x 600P HD IPS Touch Screen
Audio Amplifier	TDA7850 (4 x 50 Watts)
DSP	Built-in (48EQ)
Connectivity	Bluetooth, USB, Wi-Fi
GPS	Integrated GPS Module
CarPlay	Wired CarPlay (Built-in module)
Supported Media Formats	Audio MP3, H.264, H.265/HEVC (Video)
Audio Output Mode	Stereo (2.1 Surround Sound Configuration)
Number of Audio Channels	4

Feature	Specification
Total HDMI Ports	1
Control Method	Touch
Compatible Devices	Smartphone
UPC	671310761372

9. Warranty and Support

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, troubleshooting assistance beyond this manual, or inquiries about optional accessories, please contact the manufacturer or your point of purchase.

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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.

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