

## AWESAFE Qualcomm 8 core Car Radio

# AWESAFE Qualcomm 8-Core Car Radio User Manual

For Toyota Tundra (2007-2013) and Toyota Sequoia (2008-2018)

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AWESAFE Qualcomm 8-Core Car Radio. This unit is designed for specific Toyota Tundra (2007-2013) and Toyota Sequoia (2008-2018) models, supporting vehicles with or without the JBL sound system. It features a 10-inch touch screen, Wireless CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, an equalizer (EQ), FM radio, and steering wheel control (SWC) compatibility.

## 2. SETUP AND INSTALLATION

### 2.1 Vehicle Compatibility

This car radio is compatible with Toyota Tundra models from 2007 to 2013 and Toyota Sequoia models from 2008 to 2018. It supports vehicles equipped with or without the JBL sound system. If your vehicle has an OEM reversing camera and/or factory navigation, please contact AWESAFE customer support to request a specific cable for proper integration.

### 2.2 Included Components

The package typically includes the following items:

- AWESAFE Car Radio Unit
- Mounting Frame
- Power Cable
- RCA Cable
- Reversing Line
- USB Cables (x2)
- GPS Module
- Can Bus Decoder
- Microphone
- Screwdriver
- Crowbar (Pry Tool)

- Radio Antenna Cable
- 4G Module (if applicable)



Image: Assembly Parts List. This image displays the various cables, tools, and modules included with the car radio unit, such as RCA cables, power cables, USB cables, GPS module, Can Bus, microphone, screwdriver, and crowbar.

### 2.3 Wiring and Connections

Carefully connect all cables according to the provided wiring diagram. Note that not all connectors may be used, as some are designed for different vehicle models or years. Ensure secure connections to prevent malfunctions.



### Excellent Quality

The chips of our car stereos adopt high-quality raw materials; Each car radio has been inspected many times before leaving the factory.

Image: Wiring Diagram. This diagram illustrates the connections for the GPS module, USB ports, 4G module, power harness, RCA cables, reversing line, radio antenna, and the main unit's ports including HDMI, ANT, and 4G+WiFi antenna.

## 2.4 Connector Identification (FAQ)

The unit uses various connectors (e.g., 6-pin, 10-pin, 20-pin, 24-pin, 16-pin). Refer to the diagram below to identify the correct connectors for your vehicle's configuration:

**1. Without JBL & No factory camera (Low version):** Necessary connectors are A, B, D. Low-end models may not support connecting to factory rear cameras.

**2. With JBL & No factory camera (Low version):** Necessary connectors are C, D.

**3. With JBL and factory camera (with big screen navigation):** Necessary connectors are C, D. If your vehicle has this factory camera adapter, contact support for a new harness.



### Service professional

Safe and efficient logistic management system. Clean and bright, large warehouse with storage capacity of over 500,000 cubic meters.

Image: Connector FAQ. This image shows various connector types (A, B, C, D, F, G, H) and specifies which ones are needed for different vehicle configurations (with/without JBL, with/without factory camera).



**2007-2013**  
**For Toyota Tundra**

**2008-2018**  
**For Toyota Sequoia**



Image: Before and After Installation. This image visually compares the vehicle's dashboard with the original radio and after the AWESAFE 10-inch touch screen car radio has been installed, showing a modern upgrade.

### 3. OPERATING INSTRUCTIONS

#### 3.1 Wireless CarPlay & Android Auto

Connect your iPhone or Android device wirelessly via Bluetooth or using a USB cable. Once connected, you can access navigation, make calls, send/receive messages, and enjoy music through the car radio's display. Use smart voice assistants (Siri, Google Assistant) or the touch screen for control. **Note:** This unit does not support wired CarPlay.



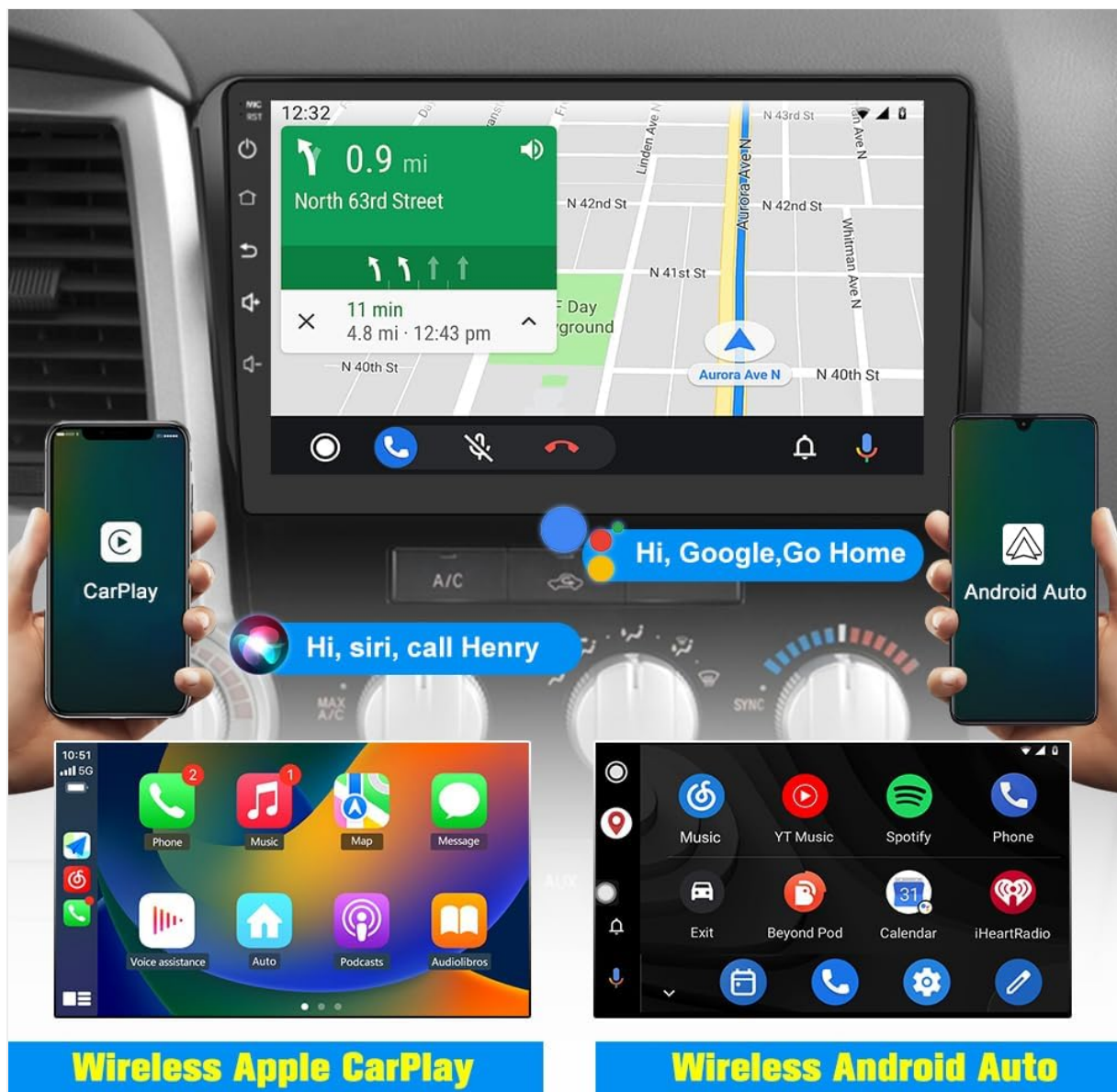


Image: Wireless Apple CarPlay and Android Auto. This image shows the user interfaces for both Wireless Apple CarPlay and Wireless Android Auto displayed on the car radio screen, with phones demonstrating connectivity.

### 3.2 GPS Navigation & WiFi Connection

The unit supports both offline and online maps. You can download global offline map data packs for navigation without an internet connection. For online maps and real-time traffic updates, connect the unit to a 5G Wi-Fi network or a mobile hotspot. This allows you to install and delete Android applications from the Application Store, similar to a smartphone. Dual-band WiFi (2.4Ghz & 5Ghz) ensures high-speed and stable internet access.



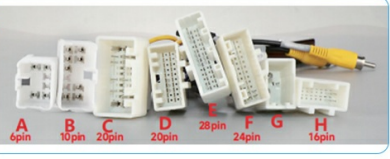
Image: Support WiFi & 4G. This image illustrates the car radio's ability to connect to WiFi hotspots, enabling access to online navigation apps, social media, and streaming services.

### 3.3 Bluetooth Hands-Free


Bluetooth 5.0 provides faster data transfer speeds. Pair your smartphone to play music, download contacts, and make hands-free calls. The unit includes both a built-in microphone and an external microphone to ensure clear and stable audio quality during calls.

## FAQ

Not all connectors need to be connected. Some connectors may be unused, as they were intended for other models or different years.



**1. Without JBL & No factory camera (Low version)**  
\*These connectors are necessary: A B D  
\*Low end models do not support connecting to factory rear cameras.



**2. With JBL & No factory camera (Low version)**  
\*These connectors are necessary: C D

**3. With JBL and factory camera (with big screen navigation)**  
\*These connectors are necessary: C D  
If your vehicle with this factory camera adapter, we will send you another set harness.

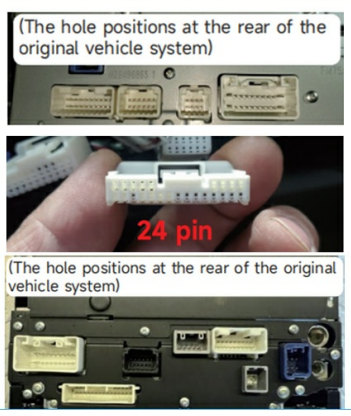


Image: Bluetooth. This image shows the car radio's interface for Bluetooth music playback and hands-free calling, with a phone displaying contact information.

### 3.4 AM/FM/RDS Radio

The integrated AM/FM radio allows you to tune into various stations. You can store your favorite stations and receive real-time traffic, news broadcasts, and weather forecasts. The unit also features a 16-band equalizer for customized audio playback.



Image: AM/FM Radio. This image displays the digital interface for the AM/FM radio, showing various frequency options and a classic radio icon.

### 3.5 DSP/DTS Sound Effect

The built-in Digital Signal Processor (DSP) and DTS sound effects allow for precise audio tuning. You can adjust the 16-band equalizer and various sound patterns to create an immersive listening experience tailored to your preferences.



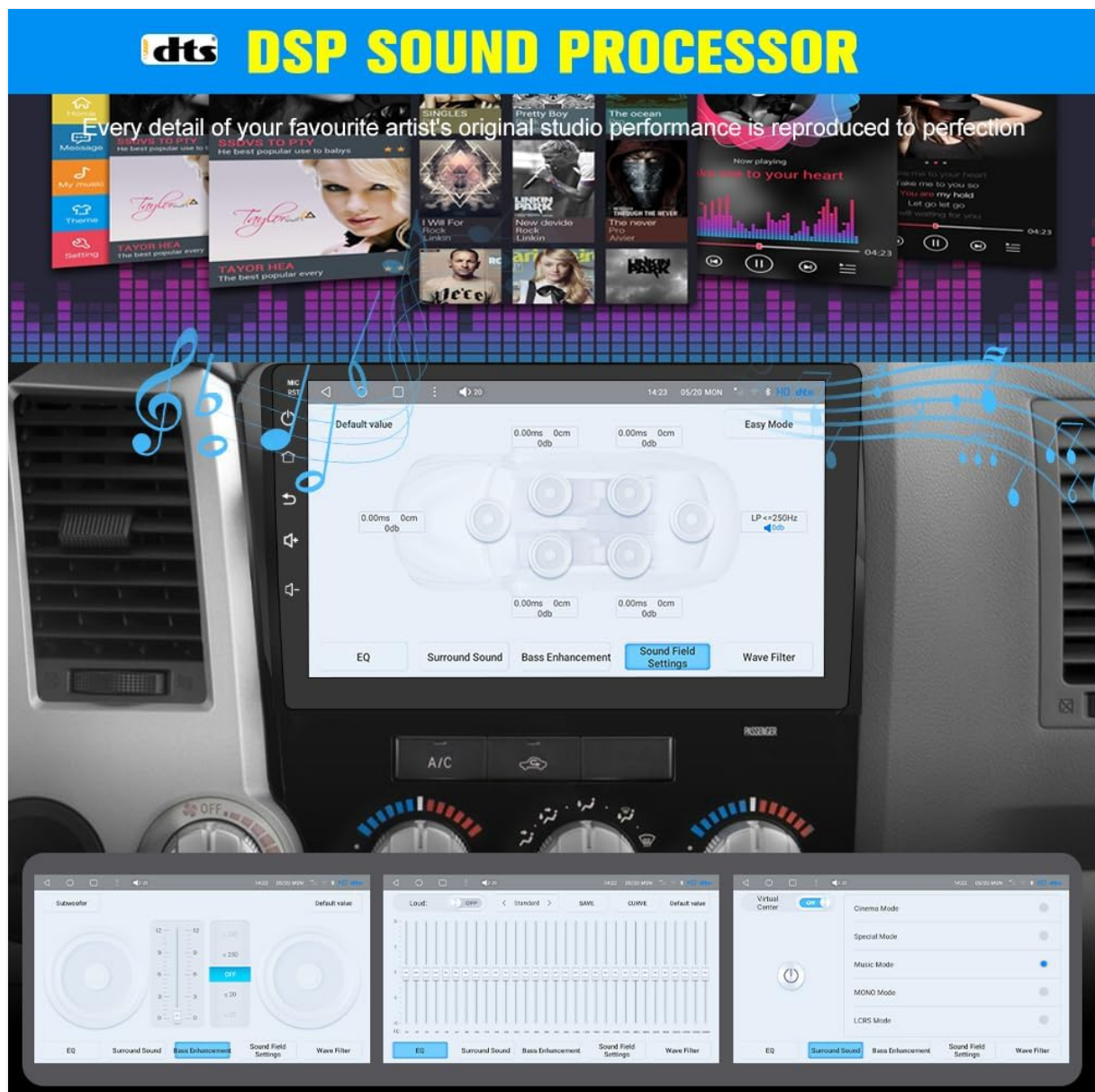


Image: DSP Sound Processor. This image shows the graphical interface for the DSP sound processor, including equalizer settings, surround sound, bass enhancement, and sound field adjustments.

### 3.6 Steering Wheel Control (SWC)

The unit supports learning original steering wheel button functions. This allows you to control various screen functions directly from your steering wheel, enhancing driving safety. **Note:** Voice control via steering wheel buttons is not supported.



Image: Steering Wheel Control. This image shows the on-screen interface for programming steering wheel controls, with various button functions displayed.

### 3.7 Off-Road Inclinometer

For off-road enthusiasts, this feature provides real-time monitoring of altitude changes and vehicle inclination. It



uses fluid movement to enhance accuracy and will sound an alarm if readings exceed a predetermined limit, ensuring safer navigation in rugged terrain.



Image: Off-Road Inclinometer. This image displays the digital inclinometer interface on the car radio, showing real-time pitch and roll angles, and altitude information.

## 4. KEY FEATURES

- **High-Performance Processor:** Equipped with a Qualcomm 8-core CPU (Snapdragon 6125) for smooth operation.
- **Latest Android OS:** Runs on an upgraded Android 13 operating system.
- **Memory & Storage:** Features 4GB RAM and 64GB ROM for efficient multitasking and ample storage.
- **Large Touch Screen:** 10-inch display for clear visuals and easy interaction.
- **Advanced Connectivity:** Supports 5G Wi-Fi, mobile hotspot, and SIM card for internet access.
- **Factory Feature Retention:** Maintains compatibility with original vehicle features such as OEM amplifier, door open hints, AC information display, and backup camera reverse trajectory.



Image: Qualcomm Snapdragon 6125 CPU Processor. This image highlights the technical specifications of the unit's processor, including 8 cores, Android 13, 4GB RAM, and 64GB ROM, emphasizing stability and speed.



Image: Maintain Your Car's Factory Features. This image demonstrates how the new stereo integrates with and displays information from original vehicle features like steering wheel controls, AC information, OEM amplifier, door open hints, and backup camera with reverse trajectory.

## 5. MAINTENANCE

### 5.1 Cleaning the Unit

To clean the touch screen and exterior surfaces, use a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the display and finish.

### 5.2 Software Updates

Periodically check for and install system software updates via Wi-Fi to ensure optimal performance, security, and access to new features. Updates can typically be found in the unit's settings menu.

## 6. TROUBLESHOOTING

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

- **Steering Wheel Controls Not Working:**

Access the factory settings menu (password: **000000**). Navigate to the CANBUS settings and select your vehicle's CANBUS brand (e.g., Simplsoft). Then, choose your specific vehicle model and air conditioning type (manual or automatic). This process allows the unit to properly learn your steering wheel controls.

- **Backup Camera Issues:**

Ensure all camera wiring connections are secure and correctly installed. If using an OEM factory camera, confirm you have the correct adapter cable. Contact customer support if the issue persists.

- **Poor Bluetooth Call Quality:**

Verify that the external microphone is properly connected and positioned optimally for clear audio capture. Check your smartphone's Bluetooth settings and ensure the volume levels are appropriate.

- **GPS or Wi-Fi Connectivity Problems:**

Ensure the GPS antenna is properly installed and has a clear view of the sky. For Wi-Fi, check that the unit is within range of a strong signal. Restarting the unit can often resolve minor connectivity glitches.

- **Unit Not Powering On:**

Check all power harness connections to ensure they are firmly seated. Verify that the vehicle's fuse for the radio is intact.

## 7. SPECIFICATIONS

Item Weight	3.3 pounds
Product Dimensions	10 x 7 x 3 inches
Display Size	10 Inches
Model Name	Qualcomm 8 core Car Radio
Vehicle Service Type	Car
Special Feature	Bluetooth, Touchscreen
Connectivity Technology	Bluetooth, Wi-Fi
Map Type	North America
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount

## 8. WARRANTY AND SUPPORT

### 8.1 Product Warranty

This AWESAFE car radio comes with a 1-year warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

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

Email: [AWESAFE-US@outlook.com](mailto:AWESAFE-US@outlook.com)



Image: Customer Support. This image displays a customer service representative and the email address for AWESAFE customer support.



