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CGOGC Android Car Radio Upgrade for Toyota Tundra

CGOGC Android Car Radio Upgrade User Manual

FOR TOYOTA TUNDRA 2014-2021

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CGOGC Android Car Radio Upgrade. This unit is specifically designed for compatibility with Toyota Tundra models manufactured between 2014 and 2021, offering enhanced multimedia and navigation capabilities.

Parts List

Before beginning installation, please verify that all components listed below are present in your package.



Image Description: A visual representation of the complete parts list, including the main head unit, various wiring harnesses (power cables for different model years, adapter, RCA, dual USB), a backup camera with its input cable, a GPS antenna, an external microphone, and a

crowbar tool for installation.

- Head Unit (Main Display)
- Power Cable (for 2014-2018 Toyota Tundra)
- Power Cable (for 2019-2021 Toyota Tundra)
- Adapter Cable
- RCA Cable
- Dual USB Cable
- Backup Camera
- Camera Input Cable
- GPS Antenna
- External Microphone
- Crowbar Tool (for trim removal)

Setup and Installation

The CGOGC Android Car Radio is designed for a direct plug-and-play installation in compatible Toyota Tundra models. While installation tools are provided, professional installation is recommended for optimal results and to ensure proper fitment and functionality.

Applicable to Tundra 2014-2021



**Plug Directly
Into Socket**



Dedicated installation harness, Will not destroy the original car route.



**Installation
Effect**



The size is right, the appearance is beautiful, the function is powerful.



**Installation
Effect**



The size is right, the appearance is beautiful, the function is powerful.

Image Description: A visual comparison demonstrating the dashboard of a Toyota Tundra before and after the installation of the new Android car radio. The 'After Installation' view shows the unit perfectly fitted, highlighting the aesthetic and functional upgrade.

General Installation Steps:

1. Carefully remove the factory stereo and associated trim using the provided crowbar tool.
2. Identify the correct power cable for your Toyota Tundra model year (2014-2018 or 2019-2021).
3. Connect the dedicated wiring harness directly into the vehicle's existing sockets. This system is designed to avoid modifying original car routes.
4. Connect the GPS antenna, external microphone, and backup camera cables to the corresponding ports on the new head unit.
5. Mount the new CGOGC Android Car Radio into the dashboard opening.
6. Secure the unit and reattach any removed trim pieces.
7. Test all functions, including audio, display, navigation, and connectivity.

More Convenient Extension Function



Reverse Image

HD night vision reversing camera,
Dedicated mounting bracket



Dual-USB Ports

Connect U disk to play multimedia
Connect phone data cable



External Microphone

Built-in + external dual microphones
Make the voice sound clearer



Steering Wheel

Steering wheel button control
More convenient and safe



Image Description: A detailed view of the wiring harness, illustrating the various connectors that allow for a direct, plug-and-play connection to the vehicle's existing electrical system without requiring complex modifications.

Operating Instructions and Features

Your CGOGC Android Car Radio is equipped with a powerful Octa-Core processor and runs on an Android smart operating system, providing a rich set of features for an enhanced driving experience.

Octa-core CPU & IPS 1280*720 Display



IPS-1280*720

2.5D Tempered glass
9-Inch IPS display
1280*720 Resolution



Android 12

Android 12 Smart system
Compatible with Carplay
and AndroidAuto link



Octa-core/2+32

Octa-core CPU
RAM: 2GB ROM: 32GB
TDA-7388 POW-AMP



Application

Download and install
application online
Google play store



DSP-Setup

Digital Signal Process
Equalizer/loudness/
delay/balance/filter etc



Wifi Hotspot

Support WiFi and
mobile phone hotspot
to connect to the network



Navigation

GPS positioning
Download navigation
Maps/Waze/iGO etc.



Bluetooth

Bluetooth music playback
Speakerphone
Support phone book



MFS control

Support multi-function
steering wheel button
control



Music

Support lossless music
Support formats:
mp3/ape/flac/wav etc



Video

Support HD 1080P video
Supported formats:
mp4/mov/mkv/avi etc



Radio

High sensitivity radio
One-click search
FM and AM bands

Image Description: An infographic summarizing the main technical specifications and features of the car radio, including its display resolution, operating system, processor type, and various multimedia and connectivity options.

1. Display and Core System

- **Screen:** 9-inch Super Clear IPS Screen with 1280*720 resolution for a vivid visual experience.
- **Processor:** Powerful Octa Core 2.0GHz CPU.
- **Memory:** 2GB RAM and 32GB ROM for smooth operation and storage.
- **Operating System:** Android smart operating system, compatible with Carplay and Android Auto.



Octa-Core CPU



IPS Screen

2. Wireless Carplay and Android Auto

The unit features built-in Wireless Carplay and Android Auto compatibility, allowing seamless integration with your smartphone for navigation, music, calls, and messages. Both wireless and wired connections are supported.



Image Description: This image illustrates how both Apple CarPlay and Android Auto can be connected to the car radio, showing options for both wireless and wired connections to a smartphone, with the respective interfaces displayed on the car's screen.

3. Navigation (GPS)

Utilize the built-in GPS for accurate navigation. The system supports various navigation applications, allowing you to choose your preferred mapping service.



Navigation

4. Bluetooth Connectivity

Connect your smartphone via Bluetooth for hands-free calling and wireless audio streaming. The external microphone ensures clear communication.



Bluetooth

5. DSP Digital Sound Processing

Experience superior audio quality with the built-in DSP sound effect processing chip and TDA7388 power amplifier. Customize your sound with 6 settings: Smart Bass, Balance, Emperor, 30-EQ, Loudness, and Filter.

Built-in Digital Signal Processing Chip



DSP SOUND SETTING



Delay

Adjust the delay time according to the distance of each speaker

Loudness

Adjust the loudness Low/high frequency and gain, Smart bass/SUB OUT/SUB AFR

Equalizer

Drag the icon adjust the EQ from 30CH bands according to your preference

Filter

Change frequency to adjust the highest and lowest possible frequencies

Balance

Drag the icon to FL/FR/RL/RR, the sound will come from the corresponding car horn

Image Description: The car radio's display showing the Digital Signal Processing (DSP) interface, which allows users to fine-tune audio settings such as delay, balance, equalization, loudness, and various filters for a personalized sound experience.



DSP-Setup



Amplifier

6. Connectivity and Multimedia

- **5G WiFi:** Connect to a WiFi hotspot for internet access and app downloads.
- **USB Ports:** Dual USB ports support multimedia playback and phone data connection.

- **AUX Input:** Provides auxiliary audio and video input options.
- **Media Playback:** Supports multi-format music and 1080p video playback.



WiFi Hotspot

7. Steering Wheel Control (SWC)

The unit supports existing steering wheel controls, allowing you to manage audio and other functions without taking your hands off the wheel.



SW Control

8. Backup Camera

The included backup camera provides a clear reverse image display, enhancing safety during parking and reversing maneuvers.



HD Camera

Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the screen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for and install software updates to ensure the system runs efficiently and securely.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

Troubleshooting

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

- **No Power:** Check all power connections and ensure they are securely seated. Verify the vehicle's fuse for the radio.
- **No Sound:** Check speaker connections. Ensure volume is not muted or set to zero. Verify audio settings in the DSP menu.
- **Touchscreen Unresponsive:** Restart the unit. If the issue persists, a factory reset may be necessary (refer to system settings).
- **GPS Not Working:** Ensure the GPS antenna is properly connected and has a clear view of the sky. Check navigation app settings.
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the car radio and your device. Try unpairing and

re-pairing the device.

- **Poor Fitment:** If the unit does not sit flush, re-check the installation steps, particularly the alignment of the AC control section. Professional assistance may be required.

For persistent issues, please contact customer support.

Specifications

Feature	Specification
Display Size	9 Inches
Display Resolution	1280*720 (IPS)
Operating System	Android
Processor	Octa Core 2.0GHz
RAM	2GB
ROM (Storage)	32GB
Radio Chip	TDA7708
Amplifier Chip	TDA7388
Connectivity	Bluetooth, USB, Wi-Fi (5G)
Special Features	Touchscreen, Wireless Carplay, Android Auto, GPS Navigation, DSP Sound Processing, AM/FM/RDS Radio, Backup Camera Support, Steering Wheel Control
Included Components	Car radio, Backup camera
Item Weight	4.7 pounds
Package Dimensions	13.8 x 11.8 x 3.5 inches

Warranty and Support

The CGOGC Android Car Radio Upgrade comes with a **1-year warranty** from the date of purchase, covering manufacturing defects.

For technical support, warranty claims, or any questions regarding your product, please contact CGOGC customer service. You can typically find contact information by navigating to the 'Sold by: CGOGC' section on the product's purchase page and clicking 'Ask question'. Our support team will respond as soon as possible to assist you.