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› CGOGC Android Car Radio User Manual for Subaru Forester Impreza WRX (2008-2013)

CGOGC B0BVH8LTWD

CGOGC Android Car Radio User Manual

Model: B0BVH8LTWD

Compatible with Subaru Forester (2009-2013), Impreza (2008-2011), Impreza WRX STI (2008-2013)

1. PRODUCT OVERVIEW

The CGOGC Android Car Radio is an advanced in-dash navigation and multimedia system designed to enhance your driving experience. It features an Octa-core processor, a 9-inch 1280x720 IPS touchscreen, and supports both wireless Apple CarPlay and Android Auto. This unit integrates various functions including GPS navigation, FM/AM/RDS radio, Bluetooth connectivity, USB media playback, and a built-in Digital Signal Processing (DSP) chip for superior audio quality. It is specifically designed for compatibility with select Subaru Forester, Impreza, and Impreza WRX STI models.

Octa-core CPU & IPS 1280*720 Display



9 inch screen
IPS-1280*720



Android
system



Octa-core
2G+32G



Application
install



DSP
adjustment



WiFi
connection



Map
navigation



Bluetooth
connection



Radio
music video



MFSW
controls

Image: Octa-core CPU and 1280x720 IPS Display. This image highlights the powerful hardware configuration of the unit, including the Octa-core processor and the high-resolution IPS touchscreen.

2. SETUP AND INSTALLATION

This section provides a general guide for installing the CGOGC Android Car Radio. Professional installation is recommended. Ensure the vehicle's power is off before beginning installation.

2.1 Installation Steps

1. **Remove Decorative Panel:** Carefully use a prying tool to remove the decorative panel surrounding the original car radio.
2. **Remove Fixing Screws:** Unscrew the retaining screws that secure the original car radio in place.
3. **Take Out Original Player:** Gently pull out the original car radio from the dashboard.
4. **Disconnect Plugs:** Disconnect all electrical plugs and antenna cables from the back of the original player.
5. **Introduce Cables:** Route the USB cable, reversing image video cable, and GPS antenna cable into the center console area.
6. **Remove Air Outlet:** Detach the air outlet vents from the original decorative panel.

7. **Install Air Outlet into New Frame:** Securely install the air outlet vents into the new product decoration frame.
8. **Connect Harness Plug:** Connect the main power harness plug to the corresponding socket on the back of the new car radio.
9. **Connect Reversing Image Video Plug:** Connect the reversing image video plug to the designated input on the unit.
10. **Connect Reversing Image Detection Line:** Connect the reversing image detection line (usually a red wire) to the vehicle's reverse light signal.
11. **Connect Ground Wire:** Securely connect the ground wire of the power harness to a suitable metal point on the vehicle's body iron frame.
12. **Organize Harnesses:** Carefully organize all connected cables and harnesses to prevent pinching or interference.
13. **Install Product:** Insert the new car radio with its decoration frame into the center console, ensuring it clicks securely into place.

Applicable to

Forester 2009-2013
Impreza 2008-2011
WRX STI 2008-2013

Before Installation



VS

After Installation





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: Before and After Installation Comparison for Subaru Forester/Impreza/WRX STI. This image illustrates the seamless integration of the new head unit into the vehicle's dashboard.

Bluetooth 5.0 connection



Image: Head Unit Wiring Diagram. This diagram shows the various connection points on the back of the head unit, including USB ports, RCA cable connections, GPS antenna port, and power harness port.

GPS map navigation



Image: Product Accessory List. This image displays the components included with the car radio, such as the host unit, power cable, adapter cable, RCA cable, dual USB cables, camera, camera input cable, GPS antenna, microphone, and installation tools.

2.2 Installation Video Guide

Video: Product Installation and Demo. This video provides a visual guide for the installation process (0:08 - 2:47) and demonstrates various features of the car radio, including the user interface, music playback, DSP settings, Bluetooth connectivity, Apple CarPlay, Android Auto, radio functions, video playback, app usage, steering wheel controls, and backup camera display (2:47 - 8:59).

3. OPERATING INSTRUCTIONS

3.1 Apple CarPlay and Android Auto

The unit supports both wireless and wired Apple CarPlay and Android Auto. This allows seamless integration with your smartphone for navigation, music, calls, messages, and voice control (Siri or Google Assistant).

Compatible with CarPlay & Android Auto



Image: Wireless and Wired Apple CarPlay and Android Auto Connectivity. This image shows the car radio screen displaying both Apple CarPlay and Android Auto interfaces, highlighting the wireless and wired connection options.

3.2 Digital Signal Processing (DSP) Audio

The built-in DSP sound effect processing chip offers advanced audio customization. It supports 6 sound settings: Smart Bass, Balance, Emperor, 30-EQ, Loudness, and Filter. This allows you to fine-tune the audio output to your preferences and optimize sound for different seating positions.

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

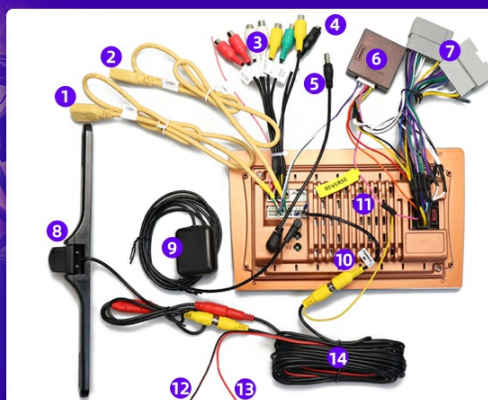
Balance

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

Image: Built-in Digital Signal Processing (DSP) Chip for Enhanced Audio. This image illustrates the DSP chip and its role in providing customizable sound settings for an optimized audio experience.

Head unit wiring diagram

For more details, please feel free to ask us.



- 1 USB-1 Port
- 2 USB-2 port
- 3 RCA cable connection plug
- 4 External Microphone Connection Plug
- 5 Radio Antenna Connection Plug
- 6 CANBUS box
- 7 Power and Speaker Connection Plugs
- 8 Backup camera
- 9 GPS antenna
- 10 Backup camera video input plug
- 11 Backup camera Detection Cable
- 12 Backup camera ground cable
- 13 Backup camera power supply 12V
- 14 Backup camera video cable

Image: 30-Segment Equalizer Adjustment Interface. This image displays the detailed equalizer settings available through the DSP, allowing precise control over audio frequencies.

3.3 Display and Performance

The unit features a 9-inch Super Clear IPS Screen with a 1280x720 resolution, providing a wonderful visual experience. Powered by an Octa Core 2.0GHz processor, 2GB RAM, and 32GB ROM, it ensures smooth operation and ample storage for applications and media.

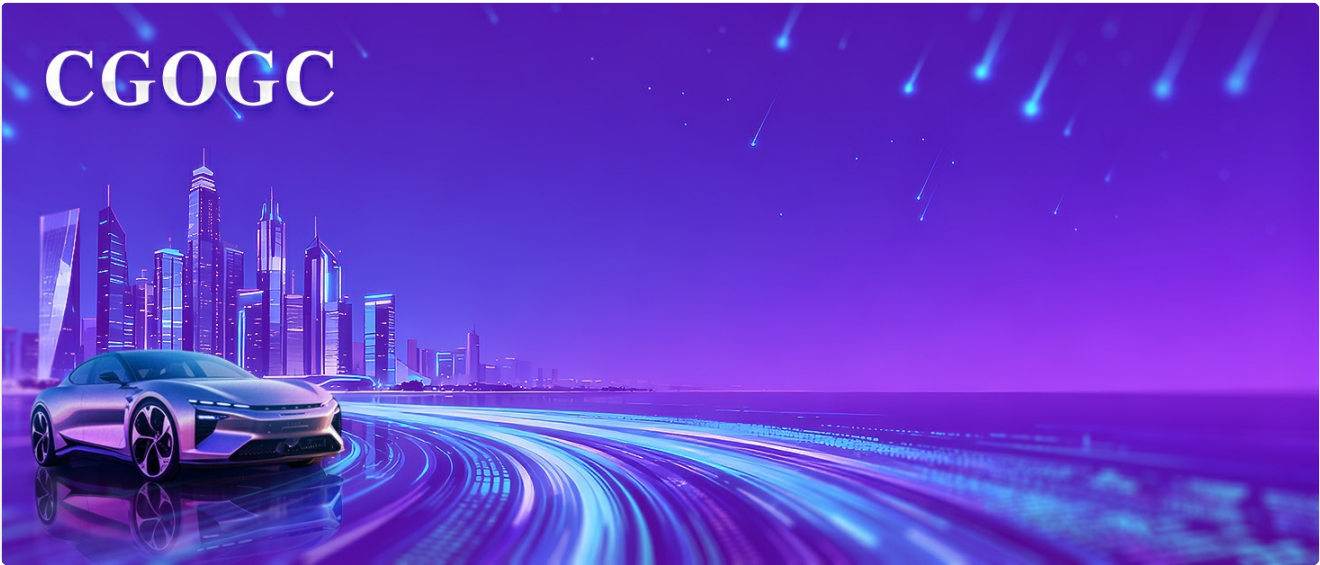


Image: Super Clear IPS Screen with 1280x720 Resolution. This image highlights the vibrant display quality and responsive touch functionality of the unit.

3.4 Connectivity

The car radio offers versatile connectivity options including 5G WiFi for internet access and app downloads, and Bluetooth 5.0 for hands-free calling and music streaming.



Image: Wi-Fi Hotspot Connection for Online Features. This image demonstrates the unit's ability to connect to Wi-Fi hotspots, enabling online app usage and content streaming.



Image: Bluetooth 5.0 Connection for Hands-Free Calling and Music. This image illustrates the Bluetooth connectivity for making calls and playing music directly from your mobile device.

3.5 Navigation

Equipped with GPS navigation, the unit supports both online and offline maps. You can install various navigation applications to suit your preferences.



Image: GPS Map Navigation with Online and Offline Map Support. This image shows the navigation interface, indicating support for various mapping applications and route guidance.

3.6 Radio

The unit features an FM/AM/RDS radio with a TDA7708 radio chip, providing clear reception and supporting RDS radio functions for enhanced information display.

Video Playback



1080P video decoding.
Enjoy high-definition video playback
and support split-screen display.



Image: FM/AM/RDS Radio Interface with TDA7708 Chip. This image displays the radio tuning interface, showing frequency selection and station information.

3.7 Media Playback

Enjoy multi-format music playback and 1080p video playback. The unit supports various audio and video formats, providing high-fidelity entertainment on the go.

IPS full-view HD screen



Lifelike color expression
Touch fast response

1280*720 resolution
2.5D tempered glass touch

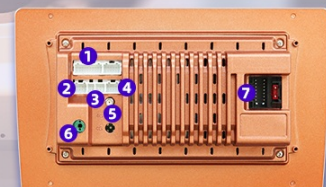


Image: Music Playback Interface. This image shows the music player interface, supporting various audio formats like MP3, APE, FLAC, and WAV.

Alloy housings & heat sink



Large heat sink makes
machine operation more stable



- 1 RCA cable port
- 2 CANBUS port
- 3 Dual USB cable port
- 4 Backup camera video IN
- 5 GPS antenna port
- 6 Radio antenna port
- 7 Power harness port

Image: 1080P Video Playback Interface. This image displays the video player interface, supporting high-definition video playback and split-screen display.

3.8 App Installation

Access the Google Play Store to download and install a wide range of applications, including streaming services, social media, and productivity tools, enhancing the functionality of your car radio.



Image: Application Installation via Google Play Store. This image shows various popular applications available for download, demonstrating the unit's smart capabilities.

3.9 Steering Wheel Control (SWC)

The unit supports steering wheel button controls, allowing you to manage audio, calls, and other functions without taking your hands off the wheel, promoting safer driving.

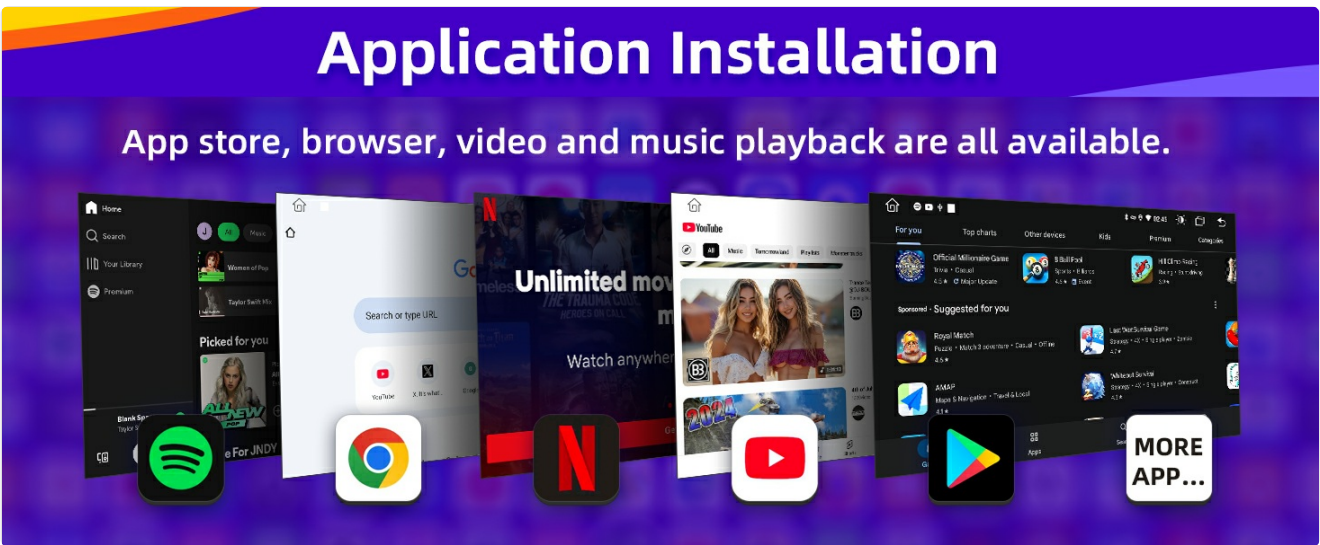


Image: Retain OEM Steering Wheel Control Functionality. This image illustrates how the unit integrates with existing steering wheel controls for convenient operation.

3.10 Backup Camera

The system supports an HD night vision reversing camera, providing clear rear-view images with parking guidelines for safer maneuvering.

Android system Octa-Core CPU

2GB memory 32GB storage



Image: HD Backup Camera with Night Vision and Parking Guidelines. This image shows the clear display of the rear-view camera with colored parking lines.

4. MAINTENANCE

To ensure the longevity and optimal performance of your CGOGC Android Car Radio, follow these general maintenance guidelines:

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid abrasive materials or harsh chemicals.
- **Software Updates:** Periodically check for and install available software updates to ensure the system runs efficiently and has the latest features and security patches.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can lead to intermittent issues.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme temperatures for prolonged periods, as this can affect its electronic components.
- **Ventilation:** Ensure the unit's ventilation areas are not blocked to prevent overheating.

5. TROUBLESHOOTING

If you encounter issues with your CGOGC Android Car Radio, refer to the following common troubleshooting tips. If the problem persists, contact customer support.

- **No Power:** Check all power connections and ensure they are securely plugged in. Verify the vehicle's fuse related to the radio.
- **No Sound:** Check speaker connections. Ensure the volume is not muted or set too low. Verify audio settings in the DSP menu.
- **Touchscreen Unresponsive:** Try restarting the unit. If the issue persists, a factory reset might be necessary (refer to settings menu).
- **Bluetooth Connectivity Issues:** Ensure Bluetooth is enabled on both the car radio and your mobile device. Delete previous pairings and try reconnecting.
- **GPS Signal Loss:** Ensure the GPS antenna is properly installed and has a clear line of sight to the sky. Check for any obstructions.
- **CarPlay/Android Auto Not Connecting:** Ensure your phone's software is up to date. Try both wired and wireless connections. Check phone settings for app permissions.
- **System Lag/Freezing:** Close unnecessary background applications. Clear cache if possible. A factory reset may resolve persistent performance issues.

6. SPECIFICATIONS

Feature	Specification
Brand	CGOGC
Model Name	CGOGC
Screen Size	9 Inches
Resolution	1280 x 720
Operating System	Android
Memory Storage Capacity	32 GB
RAM	2 GB
Processor	Octa Core 2.0GHz
Connectivity Technology	Bluetooth, USB, Wi-Fi
Bluetooth Version	5.0
Supported Satellite Navigation System	GPS
Audio Output Mode	AUX, Stereo
Included Components	Car radio, Backup camera
Human-Interface Input	Touchscreen
Mounting Type	Dashboard Mount

7. WARRANTY AND SUPPORT

Your CGOGC Android Car Radio comes with a 1-year warranty from the manufacturer. For any questions, technical assistance, or warranty claims, please contact CGOGC customer support directly.

You can typically find contact information by clicking on "Sold by: CGOGC" on the product page and then selecting "Ask a question."

Alternatively, you may reach out via email at: CGOGCZCT@outlook.com