

VECHTEL 2G+64G

VECHTEL Android 13 Car Stereo User Manual

Model: 2G+64G for Toyota Camry 2006-2011 with JBL System

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHEL Android 13 Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

The VECHEL Android 13 Car Stereo is designed to enhance your driving experience with advanced features such as Wireless CarPlay, Android Auto, GPS navigation, Bluetooth connectivity, and a high-definition touch screen. This specific model (2G+64G) is compatible with Toyota Camry vehicles manufactured between 2006 and 2011, specifically those equipped with the JBL sound system.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Operating System:** Android 13
- **Memory:** 2GB RAM + 64GB ROM
- **Display:** 9-inch HD Touch Screen (1024*600 resolution, 2.5D glass)
- **Connectivity:** Wireless CarPlay, Wireless Android Auto, Bluetooth, Wi-Fi, USB
- **Navigation:** Built-in GPS with support for online and offline maps
- **Audio:** FM Radio with 18 preset stations, Multiple EQ sound scenes
- **Integration:** Steering Wheel Control (SWC) support, Rear Camera input
- **Additional Functions:** Mirror Link (iOS/Android), Split-Screen multitasking

2.2 What's in the Box

Upon unpacking, please verify that all components listed below are present:

- Car Radio Unit
- Backup Camera

- Power Cable
- Installation Tool
- USB Cable
- Microphone (MIC)
- Rear Camera Input Cable
- GPS Antenna
- RCA Cables
- Canbus Decoder (if applicable for your vehicle)
- Mounting Accessories



Image: Contents of the product package, showing the main car stereo unit, backup camera, various cables (power, USB, RCA, camera input), GPS antenna, microphone, installation tools, and mounting accessories.

3. SETUP AND INSTALLATION

3.1 Compatibility Check

This car stereo is specifically designed for Toyota Camry models from 2006 to 2011 that are equipped with the JBL sound system or have a large screen from the factory. Before installation, please confirm your vehicle's compatibility.

For Toyota Camry 2006-2011 with JBL System

If you're not sure if it will fit your car, tell us your model year and send a photo of the center console and we'll help you check!



Image: Visual guide illustrating compatible and incompatible dashboard configurations for the Toyota Camry 2006-2011. The image shows a dashboard with a large screen and JBL system as compatible (green checkmark) and a standard radio as incompatible (red X).

3.2 Wiring Diagram

Refer to the following diagram for correct wiring connections. Incorrect wiring can cause damage to the unit or vehicle's electrical system. If you are unsure, consult a professional installer.



Image: Detailed wiring diagram showing the rear connections of the car stereo unit, including ports for power, USB, RCA cables, camera input, GPS antenna, microphone, and separate diagrams for WiFi and Bluetooth antennas. Each connection point is clearly labeled.

Key Connections:

- **Power Cable:** Connects to the vehicle's power harness.
- **USB Cable:** For external USB devices or wired CarPlay/Android Auto.
- **Rear Camera Input:** Connects the included backup camera.
- **GPS Antenna:** For navigation functionality. Position in a location with clear sky view.
- **RCA Cables:** For audio output (e.g., external amplifier, subwoofer) and video output.
- **Microphone (MIC):** For hands-free calling and voice commands.
- **WiFi Antenna:** For internet connectivity.
- **Bluetooth Antenna:** For Bluetooth connectivity.

3.3 Physical Installation

1. **Disconnect Battery:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Old Unit:** Carefully remove the existing car stereo unit and dashboard trim using appropriate tools.
3. **Connect Wiring:** Connect the new stereo's wiring harness to the vehicle's harness, following the wiring diagram. Ensure all connections are secure.
4. **Install Antennas:** Connect the GPS, WiFi, and Bluetooth antennas. Route them to optimal locations for signal reception.
5. **Install Backup Camera:** Mount the backup camera at the rear of the vehicle and route its cable to the stereo unit. Connect it to the designated rear camera input.
6. **Test Functionality:** Before fully reassembling the dashboard, reconnect the battery and power on the unit to test basic functions (power, audio, touch screen, camera, steering wheel controls).
7. **Secure Unit:** Mount the new car stereo securely into the dashboard opening.
8. **Reassemble Dashboard:** Reinstall all dashboard trim pieces.

4. OPERATING INSTRUCTIONS

4.1 Initial Setup and Android 13 Interface

Upon first power-on, the system will boot into the Android 13 interface. You may need to configure basic

settings such as language, time zone, and Wi-Fi connection.



Image: The Android 13 operating system interface displayed on the car stereo screen, surrounded by various app icons. Below, it highlights the system's 2GB RAM and 64GB ROM specifications. The 9-inch HD touch screen provides a responsive and clear display. You can customize the interface with multiple UI themes available in the settings.

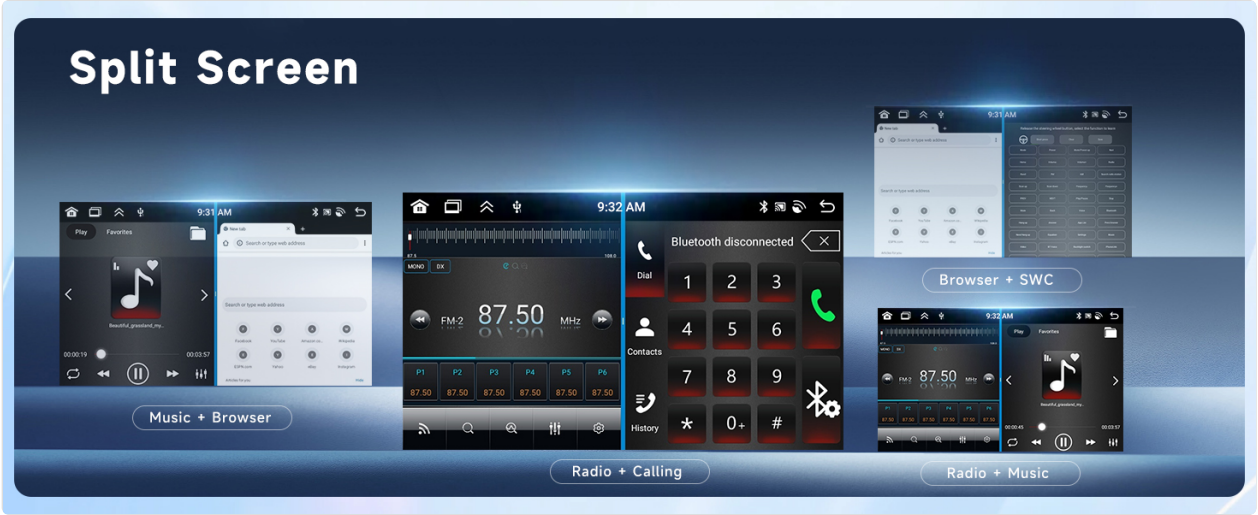


Image: A collage of different user interface themes and layouts available for customization on the car stereo, demonstrating various visual styles and icon arrangements.

4.2 Wireless CarPlay and Android Auto

Connect your smartphone wirelessly for seamless integration of CarPlay or Android Auto. This allows access to navigation, music, calls, and messages directly from the stereo's display.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. On the car stereo, open the "CarPlay" or "Android Auto" application.
3. Follow the on-screen instructions to pair your phone via Bluetooth.
4. Once paired, the system will automatically establish a Wi-Fi connection for CarPlay/Android Auto functionality.



Image: Illustration demonstrating both wireless (Bluetooth) and wired (USB) connection methods for Apple CarPlay and Android Auto, showing a smartphone connected to the car stereo display.

Voice control (Siri for CarPlay, Google Assistant for Android Auto) is supported for hands-free operation.

4.3 GPS Navigation

The unit features built-in GPS. You can use pre-installed navigation apps or download others from the Google Play Store. Both online and offline maps are supported.

1. Ensure the GPS antenna is properly installed and has a clear view of the sky.
2. Connect to Wi-Fi to download maps or navigation apps if needed.
3. Open your preferred navigation application (e.g., Google Maps) and enter your destination.



Image: The GPS navigation screen displaying a map with a route and a car icon. It also shows icons for various navigation apps and highlights options for both online and offline maps.

4.4 Bluetooth Connectivity

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

1. Go to the Bluetooth settings on the car stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select the car stereo's Bluetooth name (e.g., "VECHTEL Car Stereo") from your phone's list and pair.
4. Once connected, you can make/receive calls and play music wirelessly.



Image: The Bluetooth interface on the car stereo, showing a phone connected, a dial pad for making calls, and a music player interface for streaming audio.

4.5 FM Radio

Access local radio stations using the built-in FM tuner.

1. Open the "FM Radio" application.
2. Use the scan function to find available stations or manually tune to a frequency.
3. Save your favorite stations to the 18 available presets.

Back Wiring Diagram / Wiring Harness Diagram



Image: The FM radio interface showing frequency display, station presets, and controls. Adjacent to it is an equalizer (EQ) adjustment screen with various sound profiles.

4.6 Mirror Link / Split Screen

Mirror Link allows you to display your smartphone's screen on the car stereo. Split Screen enables running two applications simultaneously.

- Mirror Link:** Connect your iOS or Android phone via USB or wirelessly (if supported by your phone and the app). Open the "Mirror Link" app on the stereo and follow pairing instructions.
- Split Screen:** While an app is open, swipe from the side or long-press the recent apps button (depending on UI) to activate split-screen mode. Select a second app to run alongside the first.

After purchasing, you will get following:



Image: An illustration of Mirror Link functionality, showing a smartphone screen being mirrored onto the car stereo display. It indicates both wireless (Bluetooth) and wired (USB) connection methods for iOS and Android devices.

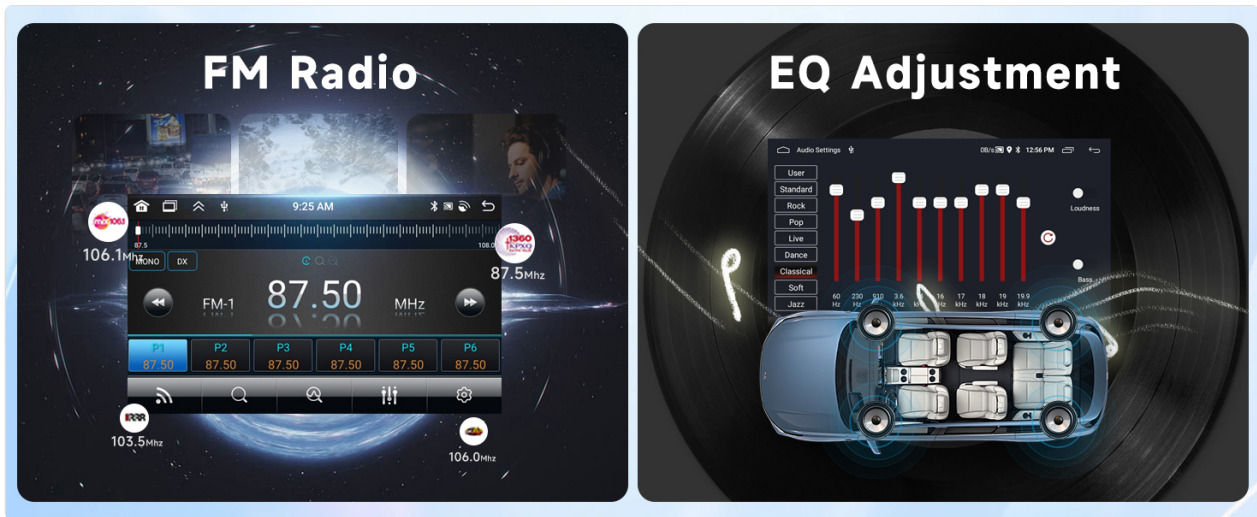


Image: Multiple examples of the split-screen feature, demonstrating how two applications can run simultaneously on the car stereo display, such as music player alongside a web browser, or radio alongside the calling interface.

4.7 Steering Wheel Control (SWC)

If your vehicle supports it, you can configure the steering wheel controls to operate the car stereo, allowing for safer operation while driving.

1. Go to the "Steering Wheel Control" settings in the system menu.
2. Follow the on-screen prompts to map your vehicle's steering wheel buttons to the desired functions (e.g., volume up/down, track skip, answer call).

HD Reversing Camera

 170° Wide Angle

 HD image

 IP68 Waterproof

 Night Vision



Steering Wheel Control



Image: The bottom section of the image shows the steering wheel control configuration screen, allowing users to assign functions to physical buttons. The top section displays the view from the HD reversing camera.

4.8 Rear Camera

The included HD reversing camera provides a clear view of the area behind your vehicle when reversing, enhancing safety.

- Ensure the backup camera is correctly installed and connected to the stereo's rear camera input.
- When the vehicle is shifted into reverse gear, the stereo display will automatically switch to the camera view.
- The camera features a 170° wide-angle lens, HD image quality, IP68 waterproof rating, and night vision capabilities.



Image: A visual representation of the AHD reversing camera system, highlighting its 170-degree wide-angle view, HD image quality, IP68 waterproof rating, and night vision. The image also shows the car stereo displaying the camera feed with parking guidelines, and a separate inset for steering wheel control functions.

4.9 Audio Equalizer (EQ)

Customize your audio experience with the built-in equalizer. Adjust frequency bands to suit your preferences or choose from various preset sound scenes.

1. Access the "EQ" or "Sound Settings" menu from the main interface.
2. Adjust individual frequency sliders or select a preset (e.g., Pop, Rock, Jazz, Classical).

5. MAINTENANCE

- **Screen Cleaning:** 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.
- **Software Updates:** Periodically check for software updates through the system settings (requires Wi-Fi connection) to ensure optimal performance and access to new features.
- **Cable Connections:** Ensure all cables remain securely connected. Loose connections can lead to intermittent issues.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound.	Volume too low, mute activated, incorrect audio source, speaker wiring issue.	Increase volume. Check if mute is active. Select correct audio source. Verify speaker wiring.
Touch screen unresponsive.	System freeze, temporary software glitch.	Perform a soft reset (refer to device settings for reset option or press reset button if available). If persistent, contact support.

Problem	Possible Cause	Solution
GPS signal weak or inaccurate.	GPS antenna obstructed or improperly placed, antenna connection loose.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off, phone not paired, app issues on phone.	Ensure Bluetooth and Wi-Fi are on for both devices. Re-pair phone. Restart phone and stereo.
Backup camera not displaying.	Camera cable loose, camera faulty, reverse trigger wire not connected.	Check camera cable connections. Verify reverse trigger wire is correctly connected. Test camera functionality.

7. SPECIFICATIONS

Feature	Detail
Operating System	Android 13
RAM	2GB
ROM	64GB
Screen Size	9 Inches
Display Resolution	1024*600
Touch Screen Type	Capacitive, 2.5D Glass
Connectivity	Bluetooth, USB, Wi-Fi
Special Features	Wireless Carplay, Android Auto, GPS, FM Radio, SWC, Backup Camera Input, Mirror Link, Split Screen
Item Weight	3.3 pounds
Package Dimensions	9.84 x 7.28 x 3.15 inches

8. WARRANTY AND SUPPORT

The VECHTEL Android 13 Car Stereo comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact VECHTEL customer service through the retailer where you purchased the product or visit the official VECHTEL store page on Amazon.

Contact Information:

- Refer to your purchase documentation for specific retailer contact details.

- Amazon Store Page: [VECHTEL Store](#)

Please have your product model number (2G+64G) and purchase date ready when contacting support.