

[Manuals.plus](#) /

› [VECHTEL](#) /

› VECHEL 10.1 Inch 8-Core Android Car Radio User Manual

VECHTEL B0D7ZQ77T2

VECHTEL 10.1 Inch 8-Core Android Car Radio User Manual

Model: B0D7ZQ77T2

INTRODUCTION

This manual provides comprehensive instructions for the VECHEL 10.1 Inch 8-Core Android Car Radio. It covers installation, operation, and troubleshooting to ensure optimal performance and user experience. Please read this manual thoroughly before using the device.

COMPATIBILITY

This car radio is designed for specific vehicle models. Verify your vehicle's compatibility before installation.

- For Jeep Wrangler/Unlimited: 2007-2018
- For Jeep Compass: 2009-2016
- For Jeep Patriot: 2009-2016
- For Jeep Grand Cherokee: 2005-2011
- For Jeep Liberty: 2008-2011
- For Jeep Commander: 2008-2011
- For Chrysler Sebring: 2007-2010
- For Town&Country: 2007-2010
- For Dodge Grand Caravan: 2011-2014
- For Dodge Charger: 2008-2010
- For Dodge Ram Pickup 1500/2500/3500: 2009-2012

If you are unsure about compatibility, please consult a professional or contact customer support with your car model, year, and a picture of your center console.

Applicable Car Models



Please Note

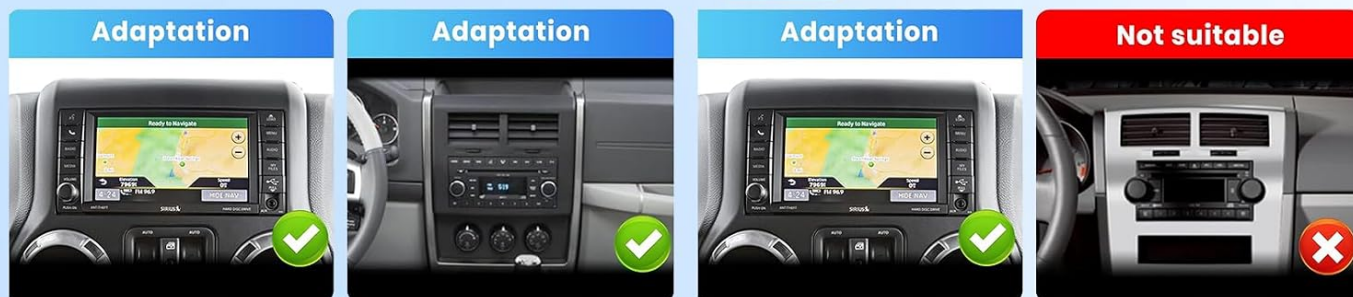


Figure 1: Compatible Car Models Overview

SETUP

Package Contents

Before beginning installation, ensure all components are present in the package:

- Power Cable
- GPS Antenna
- Installation Tool
- HD Rear Camera
- User Manual (this document)
- RCA Cable
- USB Cable
- Radio Antenna

- Canbus (if applicable)
- Accessories



Figure 2: Package Contents and Dimensions

Installation

Professional installation is recommended. Incorrect wiring or installation can damage the unit or vehicle. Refer to the wiring diagram provided with the unit for specific connections.

1. **Remove Existing Head Unit:** Carefully remove your vehicle's original radio using appropriate tools.
2. **Connect Wiring Harness:** Connect the provided power cable and other necessary wiring harnesses to the vehicle's electrical system. Ensure all connections are secure.
3. **Install GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield.
4. **Install HD Rear Camera:** Mount the rear camera at the back of the vehicle, ensuring a clear view. Route the camera cable to the head unit and connect it to the designated input.
5. **Mount the Head Unit:** Secure the VECHEL car radio into the dashboard opening.
6. **Test Functionality:** Before fully reassembling the dashboard, power on the unit and test all functions, including audio, GPS, radio, and camera.



Figure 3: Before and After Installation View

Power On/Off

The unit will typically power on automatically with the vehicle's ignition. To manually power off or restart, press and hold the power button on the unit or use the software controls.

Wireless CarPlay and Android Auto

Connect your smartphone wirelessly or via USB to access CarPlay or Android Auto features. This allows for seamless integration of navigation, music, calls, and messaging directly on the car radio display.

- **Wireless Connection:** Enable Bluetooth and Wi-Fi on your smartphone. Pair your phone with the car radio via Bluetooth. Follow the on-screen prompts to establish the CarPlay or Android Auto connection.
- **Wired Connection:** Connect your smartphone to one of the USB ports on the car radio using a compatible USB cable. The system will automatically detect and launch CarPlay or Android Auto.



Figure 4: Wireless CarPlay and Android Auto Interface

GPS Navigation

The unit supports both online and offline navigation. Pre-installed maps are available, and you can download additional maps or use online navigation services via Wi-Fi.

- **Online Maps:** Connect to Wi-Fi to use real-time traffic and updated map data.
- **Offline Maps:** Download map data for your region to use navigation without an internet connection.



Figure 5: GPS Navigation and Wi-Fi Connectivity

Bluetooth 5.0

Connect your phone via Bluetooth for hands-free calling and audio streaming. Bluetooth 5.0 ensures a stable and fast connection.

- **Pairing:** Go to the Bluetooth settings on the car radio and your phone. Search for available devices and select the car radio's name to pair.
- **Hands-Free Calling:** Once paired, you can make and receive calls directly through the car radio.
- **Audio Streaming:** Play music from your phone through the car's speakers.



Figure 6: Bluetooth 5.0 and FM/RDS Radio

FM/RDS Radio

Access local radio stations with the built-in FM/RDS tuner. RDS (Radio Data System) provides additional information like station name and song title where available.

- **Scanning:** Use the radio application to scan for available stations.
- **Presets:** Save your favorite stations for quick access.

Steering Wheel Control (SWC)

The unit supports steering wheel controls, allowing you to manage audio, calls, and other functions without taking your

hands off the wheel. Configuration may be required in the system settings.



Figure 7: Steering Wheel Control and Reverse Camera View

HD Rear Camera

The included waterproof night vision camera provides clear reversing images, automatically displaying the view when the vehicle is in reverse gear. This assists with parking and maneuvering.

IPS HD Touchscreen and Split-Screen Display

The 10.1-inch IPS HD touchscreen offers a clear display with 1280x720 resolution and a wide viewing angle. The split-screen feature allows you to run two applications simultaneously, such as navigation and music.

- **Split-Screen Activation:** Long-press an app icon or use the split-screen button (if available) to activate. Drag another compatible app to the other half of the screen.



Figure 8: HD IPS Touchscreen Features

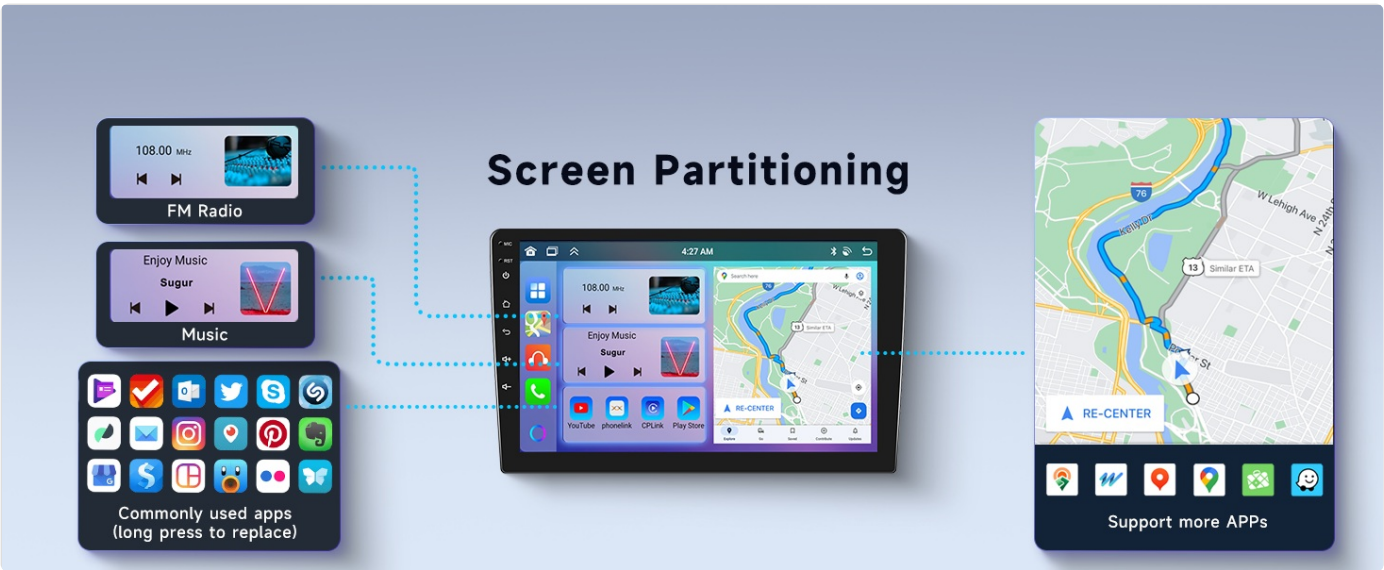


Figure 9: Screen Partitioning Example

Mirror Link

Use the Mirror Link function to display your smartphone's screen directly on the car radio. This supports both Android and

iOS devices.



Figure 10: Mirror Link Functionality

DSP with 32-band EQ

The Digital Sound Processor (DSP) with a 32-band Equalizer (EQ) allows for precise audio customization. Adjust sound frequencies to optimize your listening experience.



Figure 11: DSP and 32-band EQ Interface

Customizable UI Themes

The unit offers various UI themes, allowing you to personalize the interface. You can also customize app arrangements by deleting and rearranging icons.



Figure 12: Customizable UI Themes

Voice Control

Utilize voice commands through Siri or Google Assistant for hands-free operation of navigation, music, and calls, enhancing driving safety.

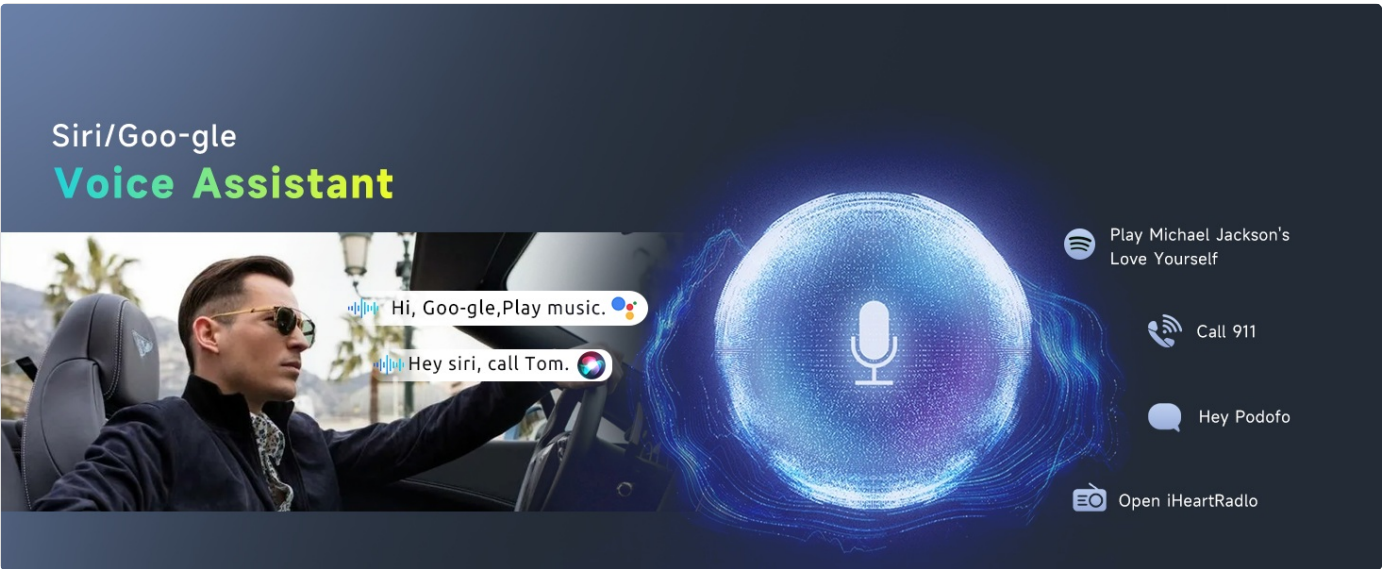


Figure 13: Voice Control Assistant

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates to ensure optimal performance and access to new features. Updates can typically be found in the system settings or on the manufacturer's website.
- **Cable Connections:** Ensure all cables remain securely connected to prevent intermittent issues.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle ignition off.	Check power cable connections. Inspect vehicle fuses. Ensure vehicle ignition is on.
No sound.	Volume too low, mute activated, speaker wiring issue.	Increase volume. Check if mute is active. Verify speaker wiring connections.
GPS signal lost or inaccurate.	GPS antenna obstructed or improperly installed.	Ensure GPS antenna has a clear view of the sky. Check antenna connection.
CarPlay/Android Auto not connecting.	Incorrect phone settings, incompatible cable, software glitch.	Ensure Bluetooth/Wi-Fi is on (for wireless). Try a different USB cable (for wired). Restart phone and car radio. Check phone permissions.
Steering wheel controls not working.	Incorrect wiring, unconfigured settings.	Verify SWC wiring. Configure steering wheel controls in the unit's settings menu.

For persistent issues, please contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	VECHTEL
Model	B0D7ZQ77T2
Operating System	Android 13.0
CPU	8-Core
RAM	4GB
ROM (Memory Storage)	64GB
Screen Size	10.1 Inches
Display Type	IPS HD LCD
Resolution	1280 x 720
Touch Screen Type	Capacitive
Connectivity Technology	Bluetooth 5.0, USB, Wi-Fi
Special Features	Wireless Android Auto, Wireless CarPlay, GPS, Mirror Link, FM/RDS Radio, DSP with 32-band EQ, Subwoofer Output, HD Rear Camera Support, Steering Wheel Control
Map Type	Worldwide (Online/Offline)
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	1.85 Kilograms

WARRANTY AND SUPPORT

This product comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. For technical assistance, installation queries, or warranty claims, please contact VECHEL customer support. When contacting support, please provide your product model (B0D7ZQ77T2), purchase date, and a detailed description of the issue. Providing your car model and year, along with a picture of your center console, can help expedite support for compatibility issues.

Note: Unauthorized modifications or improper installation may void the warranty.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question