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› VECHEL 4G+64G Android 15 10-inch 2-Din Car Stereo User Manual

VECHTEL 8317

VECHTEL 4G+64G Android 15 10-inch 2-Din Car Stereo User Manual

Model: 8317

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHEL 4G+64G Android 15 10-inch 2-Din Car Stereo. Please read this manual thoroughly before using the product to ensure correct operation and to prevent damage. Keep this manual for future reference.

SETUP AND INSTALLATION

Package Contents

Verify that all items are present in the package:

- 1 x VECHEL 10-inch Car Stereo
- 1 x Power Cable
- 1 x Rear Camera Input Cable
- 1 x RCA Cable
- 1 x USB Cable
- 1 x Mounting Bracket Set
- 1 x GPS Antenna
- 1 x External Microphone
- 1 x Rear Camera
- 1 x User Manual (this document)

Size & Package List

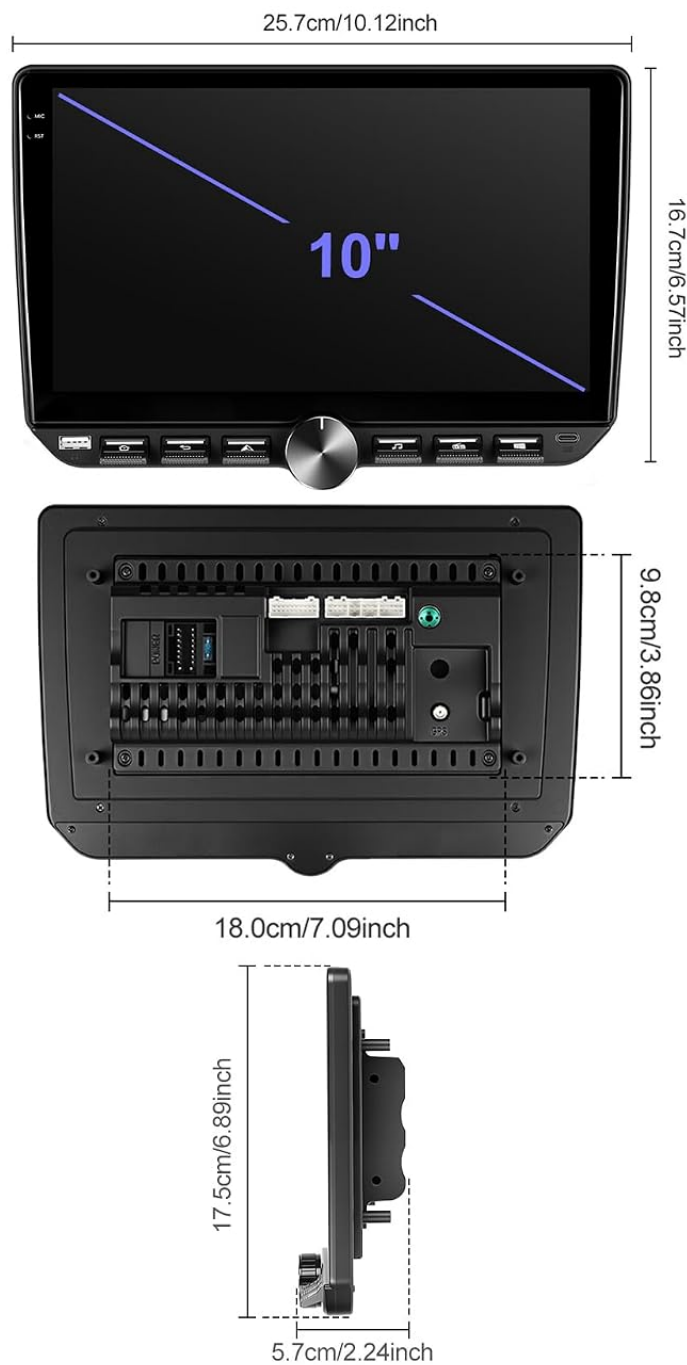


Figure 1: Package Contents and Device Dimensions. This image illustrates the physical dimensions of the 10-inch car stereo unit and lists all components included in the box, such as cables, antenna, microphone, and camera.

Physical Installation

The car stereo has a standard 2-Din installation size of approximately 257mm (L) x 57mm (W) x 175mm (H) or 10.12(L) x 2.24(W) x 6.89(H) inches. Ensure your vehicle's dashboard opening matches these dimensions. Professional installation is recommended.

1. **Disconnect Battery:** Before starting, disconnect the vehicle's negative battery terminal to prevent electrical shorts.
2. **Remove Old Unit:** Carefully remove your existing car stereo and dashboard trim.

3. **Connect Wiring:** Connect the provided power cable, RCA cable, USB cables, GPS antenna, and rear camera input cable to the corresponding ports on the new stereo. Refer to your vehicle's wiring diagram for specific connections.
4. **Mounting:** Use the included mounting brackets to secure the stereo into the dashboard opening.
5. **External Microphone:** Connect the external microphone and route it to a suitable location for clear voice pickup.
6. **Rear Camera:** Install the rear camera at the back of your vehicle and connect its cable to the stereo's rear camera input.
7. **Reconnect Battery:** Once all connections are secure, reconnect the vehicle's battery.

Initial Power-On

After installation, turn on your vehicle's ignition. The stereo should power on automatically. Follow any on-screen prompts for initial setup, such as language selection and time zone.

KNOB Design / USB & Type-C Ports



Figure 2: USB and Type-C Ports. This image shows the location of the USB and Type-C ports on the front of the unit, which can be used for data transfer or charging devices.

OPERATING INSTRUCTIONS

Basic Controls

The unit features a 10-inch HD touchscreen (1280*720 resolution) for primary interaction. A central rotary knob controls volume and can be pressed for mute/power functions. Additional touch buttons may be present for common functions like Home, GPS Navigation, Radio, and Application access.

IPS HD Screen



10-inch



Screen



1280*720P

Figure 3: IPS HD Screen. This image highlights the clarity and quality of the 10-inch IPS HD display, showcasing its vibrant color reproduction and wide viewing angles.

Wireless CarPlay and Android Auto

This stereo supports wireless CarPlay and Android Auto. Once connected, your phone's compatible apps will appear on the stereo's screen, allowing for navigation, music, calls, and messages via voice control or touch.

1. **Enable Wi-Fi and Bluetooth:** On your smartphone, ensure Wi-Fi and Bluetooth are enabled.
2. **Pair Device:** On the car stereo, go to the Bluetooth settings and pair with your smartphone.
3. **Initiate CarPlay/Android Auto:** Once paired, the system should automatically prompt you to start CarPlay or Android Auto. Follow the on-screen instructions.



Figure 4: Wireless CarPlay and Android Auto Interface. This image demonstrates the seamless integration of smartphone features, showing the CarPlay interface on the stereo and Android Auto on a phone, along with GPS navigation.

Bluetooth 5.0

The built-in Bluetooth 5.0 module allows for hands-free calling and wireless audio streaming.

- **Pairing:** Access the Bluetooth menu on the stereo, search for available devices, and select your phone. Confirm the pairing code if prompted.
- **Hands-Free Calls:** Make and receive calls directly from the stereo screen. The external microphone ensures clear audio.
- **Audio Streaming:** Play music from your phone through the car stereo speakers.

GPS Navigation

The stereo includes built-in offline maps. For real-time traffic and online map updates, connect the unit to Wi-Fi.

- **Access Maps:** Tap the 'Navigation' or 'Maps' icon on the home screen.
- **Input Destination:** Enter your destination using the on-screen keyboard or voice command.
- **Offline Maps:** If no internet connection is available, the pre-loaded offline maps will be used.

FM/RDS Radio

Access the radio function to listen to FM stations. RDS (Radio Data System) provides additional information like station name and song title where available.

- **Select Radio App:** Open the 'Radio' application from the main menu.
- **Scan Stations:** Use the auto-scan feature to find and save available stations.
- **Manual Tuning:** Manually tune to specific frequencies using the on-screen controls.

Mirror Link

Mirror Link allows you to display your smartphone's screen on the car stereo. This feature supports wireless connection for both iOS and Android devices.

- **Activate Mirror Link:** Open the 'Mirror Link' application on the stereo.
- **Connect Phone:** Follow the instructions on the stereo screen to connect your smartphone wirelessly.

Voice Control

Utilize voice commands (Siri/Google Assistant) through CarPlay or Android Auto for hands-free operation of navigation, music, and calls.

Rear Camera Operation

When the vehicle is shifted into reverse, the stereo automatically displays the view from the connected rear camera. The camera supports AHD/CVBS input and features like HD image, IP69 waterproof rating, wide angle, and night vision.

Backup Camera



Figure 5: Backup Camera Features. This image illustrates the functionality of the backup camera, showing parking assist lines on the screen and highlighting its key features: HD image quality, IP69 waterproofing, wide-angle view, and night vision capabilities.

USB/Type-C Usage

The dual USB and Type-C interfaces support media playback (audio/video) and device charging.

- **Media Playback:** Insert a USB drive with compatible media files (APE/FLAC/WAV/MP3/WMA for audio; MKV/RMVB/AVI/MP4/MDV for video).
- **Charging:** Connect your smartphone or other devices for charging.

Steering Wheel Control

The stereo supports steering wheel controls, allowing you to manage functions like volume, track skipping, and calls without taking your hands off the wheel. Configuration may be required in the system settings.

Audio Settings (Equalizer)

Access the equalizer settings to customize the audio output. The unit features a 32-band equalizer (32EQ DSP) for fine-tuning sound profiles.

Split Screen

The split-screen function allows you to run two applications simultaneously, such as navigation and music playback, on the 10-inch display.



Figure 6: Feature Overview. This collage highlights various functionalities including the high-resolution screen, steering wheel control compatibility, Mirror Link, voice control, Android 15 operating system, Bluetooth 5.0, FM/RDS radio, customizable desktop themes, and the 32-band digital sound processor (DSP).

MAINTENANCE

Cleaning

To clean the screen and unit, use a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive cleaners, as they can damage the screen and finish.

Software Updates

Periodically check for software updates via the system settings menu. Connecting the unit to Wi-Fi will allow it to download and install updates, improving performance and adding new features.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; Vehicle battery issue.	Check power connections; Inspect vehicle fuses; Verify battery charge.
No sound.	Volume too low; Mute activated; Speaker wiring issue.	Increase volume; Deactivate mute; Check speaker connections.
Bluetooth not connecting.	Bluetooth off on phone/stereo; Device not in pairing mode; Interference.	Ensure Bluetooth is on; Put device in pairing mode; Try pairing in a different location.
GPS signal lost or inaccurate.	GPS antenna obstructed or disconnected; Poor satellite coverage.	Ensure GPS antenna has clear view of sky; Check antenna connection.
Rear camera not displaying.	Camera wiring incorrect; Camera faulty; Reverse gear not detected.	Check camera input cable; Verify camera functionality; Ensure reverse signal is connected.
Touchscreen unresponsive.	System frozen; Software glitch.	Restart the unit (press and hold power button); Perform a factory reset (data loss may occur).

PRODUCT SPECIFICATIONS

- System:** Android 15
- CPU:** 4 Core
- RAM:** 4GB
- ROM:** 64GB
- Screen Size:** 10 inches
- Screen Resolution:** 1280*720 HD IPS
- Bluetooth Version:** 5.0
- Output Power:** 4*45W (180 Watts total)
- Radio Tuner:** FM/RDS
- Connectivity:** Wi-Fi, Bluetooth, USB, Type-C
- Special Features:** Wireless CarPlay, Wireless Android Auto, GPS Navigation, Mirror Link, Steering Wheel Control,

Split Screen, External Microphone Support, Rear Camera Input (AHD/CVBS)

Operating Temperature: -20°C to 75°C

Supported Audio Formats: APE, FLAC, WAV, MP3, WMA

Supported Video Formats: MKV, RMVB, AVI, MP4, MDV, H.264, H.265/HEVC, MPEG-4

Supported Image Formats: PNG, JPEG, JPG, GIF, WBMP, BNP

Item Weight: 1 Kilogram

Model Number: 8317

WARRANTY INFORMATION

This VECHTEL product comes with a **three-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

VECHTEL specializes in automotive electronics and provides dedicated professional support. If you encounter any issues regarding compatibility, installation, or usage, please do not hesitate to contact us at any time. Our technical support team is available to assist you.

For support, please refer to the contact information provided with your purchase or visit the official VECHTEL support channels.



Figure 7: How to Contact VECHTEL Support. This image outlines a two-step process for reaching customer support, emphasizing direct contact with the seller for technical assistance.