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› VECHELT 9-inch Android 15 Car Radio User Manual for Volvo XC70, V70, S60 (2005-2009)

VECHTEL B0FJ8CLSNJ

VECHTEL 9-inch Android 15 Car Radio User Manual

Model: B0FJ8CLSNJ (Touch Screen in-Dash GPS Navigation Headunit Car Radio)
For Volvo XC70, V70, S60 (2005-2009)

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHELT 9-inch Android 15 Car Radio. Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

- Always ensure the vehicle is parked safely with the engine off and parking brake engaged before performing any installation or wiring.
- Disconnect the vehicle's battery negative terminal before starting installation to prevent electrical shorts.
- Consult a professional installer if you are unsure about any part of the installation process.
- Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

3. VEHICLE COMPATIBILITY CHECK

This car radio is designed for Volvo XC70, V70, and S60 models manufactured between 2005 and 2009. It is crucial to verify your vehicle's center console configuration before installation.

Attention: This product only supports center console options A and B. If your vehicle has option C, please contact customer service for appropriate advice.



Image: Compatibility diagram for Volvo XC70, V70, S60 center consoles. Options A and B are compatible, while Option C is not.

4. WHAT'S INCLUDED

Please check the package contents against the list below:

- 1 x Car Radio Unit
- 1 x Power Cable
- 1 x GPS Antenna
- 1 x Rear Camera
- 1 x Rear Camera Input Cable
- Additional accessories (RCA cable, USB cable, User Manual, MIC, Installation Tool, 3m Radio Antenna, Extended line, Canbus) may be included depending on package variant.



Image: Contents of the product package, including the main unit and all accessories.

5. SETUP AND INSTALLATION

5.1 Pre-Installation Checks

- Ensure all components listed in Section 4 are present.
- Verify vehicle compatibility as per Section 3.
- Gather necessary tools (e.g., screwdrivers, trim removal tools).

5.2 Wiring and Connections

Carefully follow the wiring diagram provided with your unit. Key connections include:

- **Power Cable:** Connect to the vehicle's power harness. Ensure correct positive, negative, and accessory wire connections.
- **GPS Antenna:** Connect to the designated port on the radio and mount in a location with a clear view of the sky (e.g., dashboard, corner of the windshield).
- **Rear Camera:** Connect the camera input cable to the radio's 'REVERSE IN' port. Connect the camera's power to the vehicle's reverse light circuit and ground.
- **USB Cables:** Connect the provided USB cables for external devices or wired CarPlay/Android Auto.
- **Radio Antenna:** Connect the vehicle's existing radio antenna.

Important Note for Volvo Vehicles with Amplifier:



Image: An extension cable, typically used for connecting to an amplifier.

If your original Volvo vehicle has an amplifier located under the front passenger seat, you must connect the provided extension cable to ensure the amplifier functions properly with the new head unit.

5.3 Mounting the Unit

- Carefully remove the original car radio and trim panels.
- Connect all necessary wiring harnesses to the new VECHTEL unit.
- Slide the new radio into the dashboard opening. Secure it using the original mounting brackets or any provided with the unit.
- Reinstall the trim panels, ensuring all clips are properly seated.



Image: A visual comparison of the Volvo S60/V70/XC70 dashboard before and after the VECHEL car radio installation.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually a physical knob or on-screen icon) to turn the unit on or off. A short press typically mutes/unmutes.
- **Volume Control:** Use the physical knob or on-screen controls to adjust the volume.
- **Touch Screen:** Navigate the Android interface by tapping, swiping, and pinching on the 9-inch IPS HD touchscreen.

6.2 Android 15 OS and Apps

The unit runs on Android 15.0. You can download and install various applications from the Google Play Store using the built-in 5G WiFi or hotspot connection.



Image: The Android interface displaying various applications and indicating 5G WiFi connectivity.

6.3 Wireless CarPlay / Android Auto

Connect your iPhone or Android smartphone wirelessly or via USB for seamless integration. This allows access to navigation, music, calls, and messages directly from the car radio display.

- **Wireless Connection:** Enable Bluetooth and Wi-Fi on your phone. Pair your phone with the car radio via Bluetooth. Follow the on-screen prompts to activate CarPlay or Android Auto.
- **Wired Connection:** Connect your phone to one of the USB ports using a certified USB cable.



Image: The car radio screen displaying the CarPlay/Android Auto interface, with options for USB and WiFi connections.

6.4 GPS Navigation

The unit supports both online and offline navigation. Pre-installed maps are available, and you can download additional map applications from the Play Store.

- **Online Maps:** Requires a 5G WiFi or hotspot connection for real-time traffic and updates.
- **Offline Maps:** Download map data to the unit's internal storage for navigation without an internet connection.



Image: The car radio displaying GPS navigation, highlighting both online and offline map capabilities.

6.5 FM/RDS Radio

Access local radio stations with clear reception. The RDS (Radio Data System) feature displays station information, song titles, and other data where available.

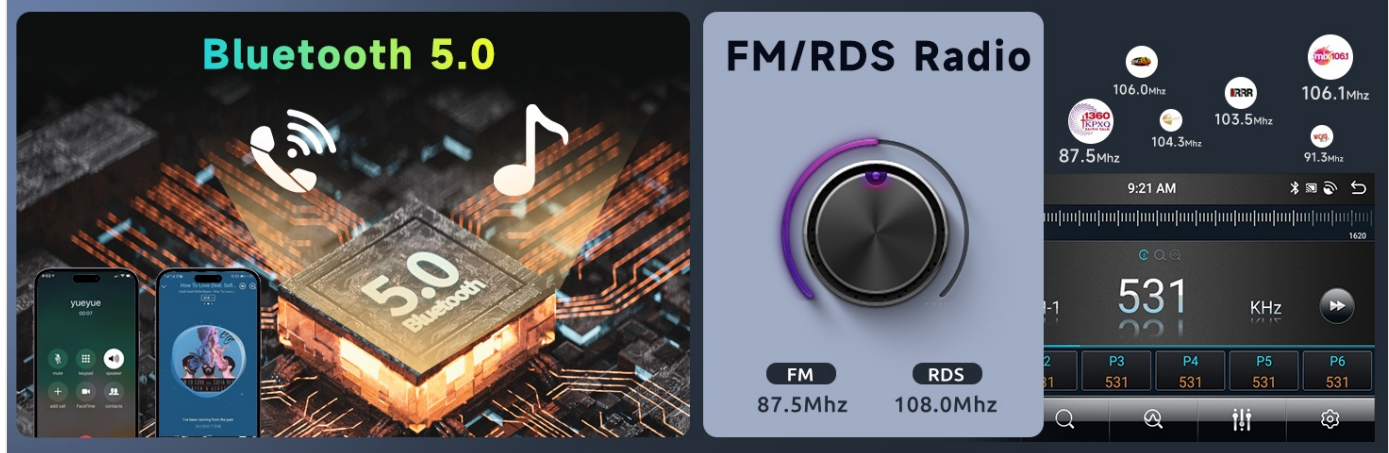


Image: The FM/RDS radio interface on the car radio, showing frequency tuning and station information.

6.6 Bluetooth 5.0

Connect your smartphone or other Bluetooth-enabled devices for hands-free calling and audio streaming. Bluetooth 5.0 ensures stable and high-quality connections.

- **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:** Make and receive calls directly through the car radio.
- **Audio Streaming:** Play music from your phone through the car's speakers.



Image: Bluetooth 5.0 functionality for hands-free calls and music playback.

6.7 Steering Wheel Control (SWC)

Integrate with your vehicle's existing steering wheel controls for safe and convenient operation of the radio's functions (e.g., volume, track skip, mode). Configuration may be required in the unit's settings.

Reverse / Steering Wheel Control



Image: Steering wheel controls integrated with the car radio for convenient operation.

6.8 Mirror Link

Mirror your smartphone's screen directly onto the car radio display. This allows you to view your phone's content on the larger screen.

- **Connection:** Use the 'CarbitLink' app or similar pre-installed application on the head unit. Follow the instructions within the app to connect your Android or iOS device.



Image: Mirror Link feature displaying a smartphone screen on the car radio.

6.9 DSP with 32-band EQ

Utilize the Digital Sound Processor (DSP) with a 32-band Equalizer (EQ) to fine-tune the audio output to your preference. Adjust frequencies, balance, and fader settings for an optimized listening experience.



Image: The DSP and 32-band equalizer interface for audio customization.

6.10 Split-Screen Display

The unit supports split-screen functionality, allowing you to run two applications simultaneously (e.g., navigation on one side and music player on the other).

- **Activation:** Long-press an app icon or use the multi-tasking button to drag and drop apps into split-screen mode.

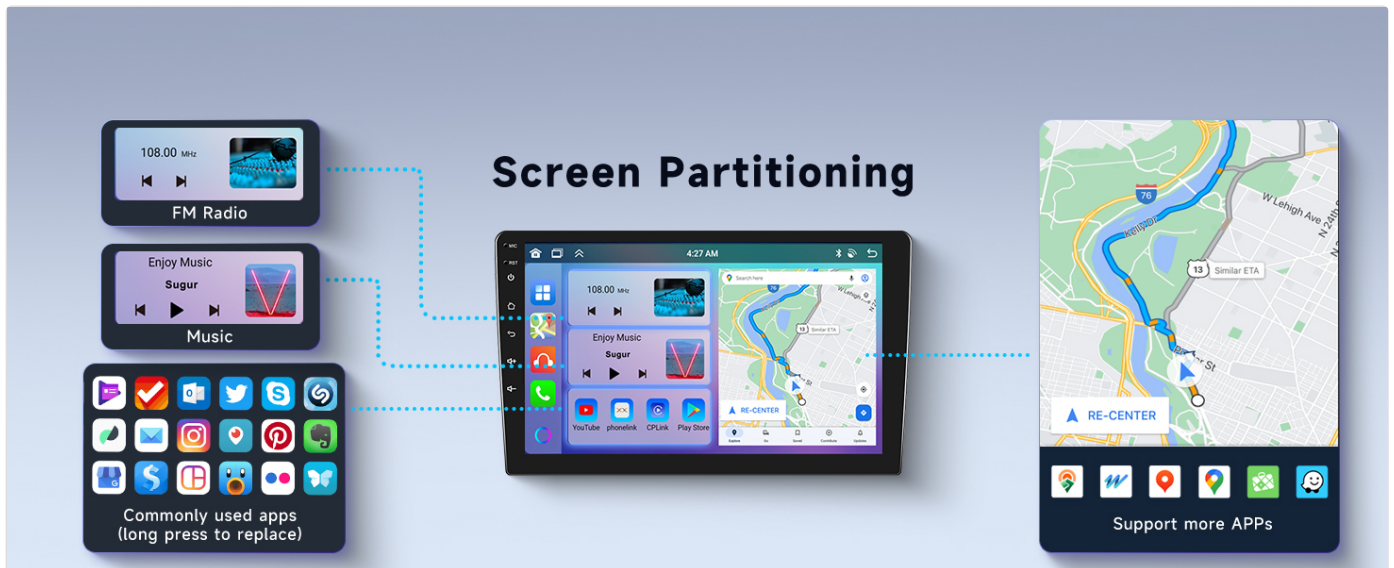


Image: The car radio screen demonstrating split-screen functionality with navigation and music apps.

6.11 Voice Assistant

Utilize voice commands through Siri (for CarPlay) or Google Assistant (for Android Auto/Android OS) to control various functions, make calls, send messages, and get directions hands-free.

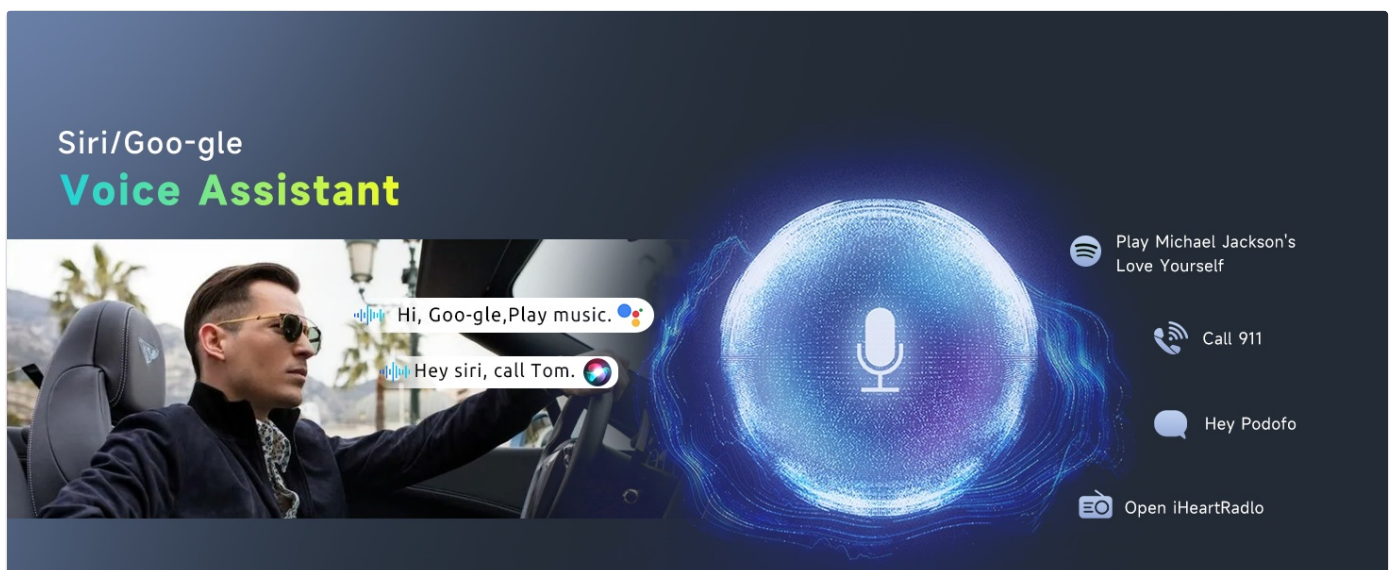


Image: Illustration of voice assistant functionality for hands-free control.

6.12 HD Rear Camera

The included waterproof night vision camera provides clear reversing images, assisting with parking and improving safety. The display automatically switches to the camera view when the vehicle is in reverse gear.

Reverse / Steering Wheel Control



Image: The car radio display showing the rear camera feed with parking assistance lines.

7. MAINTENANCE

7.1 Screen Cleaning

To clean the touchscreen, gently wipe it with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.

7.2 Software Updates

Periodically check for software updates through the unit's settings menu (if available) or the manufacturer's website. Updates can improve performance, add new features, and fix bugs.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring; Blown fuse; Vehicle battery low	Check power cable connections; Inspect vehicle fuses; Check vehicle battery voltage.
No sound	Volume muted/low; Speaker wires disconnected; Amplifier not connected (if applicable)	Increase volume, check mute status; Verify speaker wire connections; Ensure amplifier extension cable is connected if your vehicle has an amplifier.
GPS signal lost or inaccurate	GPS antenna obstructed or disconnected; Outdated map data	Ensure GPS antenna has a clear view of the sky and is securely connected; Update map data or GPS software.
Bluetooth/Wi-Fi connectivity issues	Incorrect pairing; Interference; Software glitch	Re-pair device; Move away from other wireless devices; Restart the car radio unit.
Rear camera not displaying	Camera cable disconnected; Camera power issue; Incorrect reverse trigger wire connection	Check camera input cable; Verify camera power supply; Ensure reverse trigger wire is correctly connected to the vehicle's reverse light circuit.

Problem	Possible Cause	Solution
Touchscreen unresponsive	Software freeze; Physical damage	Restart the unit; If issue persists, contact customer support.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact customer support.

9. PRODUCT SPECIFICATIONS

- **Brand:** VECHTEL
- **Model Name:** Touch Screen in-Dash GPS Navigation Headunit Car Radio
- **Screen Size:** 9 Inches
- **Display Type:** IPS Capacitive Touchscreen
- **Resolution:** 1280 x 720
- **Operating System:** Android 15.0
- **Processor:** 8 Core CPU
- **Memory:** 4GB RAM
- **Storage:** 64GB ROM
- **Connectivity:** 5G WiFi, Bluetooth 5.0, USB
- **Special Features:** Wireless CarPlay, Wireless Android Auto, GPS Navigation (Online/Offline), FM/RDS Radio, DSP with 32-band EQ, Subwoofer Output, Mirror Link, Steering Wheel Control, HD Rear Camera Input, Split-Screen Display, Multiple UI Themes.
- **Audio Output Mode:** Stereo
- **Compatible Devices:** iOS/Android
- **Included Components:** Car Radio, GPS Antenna, Power Cable, Rear Camera, Rear Camera Input Cable.

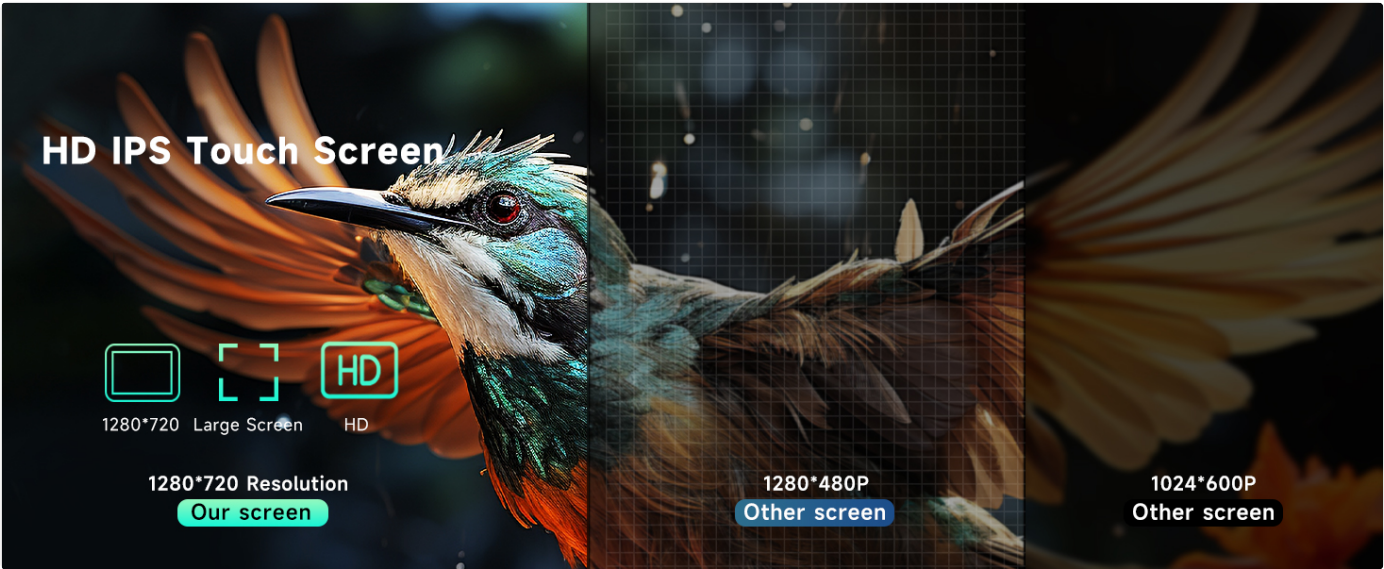


Image: Details of the HD IPS Touch Screen, emphasizing its resolution and clarity.



Image: Visual representation of the high-performance processor, 4GB RAM, and 64GB ROM.

10. WARRANTY INFORMATION

This VECHTEL car radio comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

Please retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims, please contact VECHTEL customer service directly through the Amazon platform where you purchased the product.

When contacting support, please provide:

- Your order number.
- A detailed description of the issue.
- Your vehicle's make, model, and year.
- Pictures of your vehicle's center console and any relevant wiring, if applicable.

Our team is ready to assist you with compatibility problems, wiring concerns, or any other issues you may encounter.

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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.

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