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› VECHTEL 8 CORE 6G+128G Android 15 Car Radio User Manual for FIAT 500L (2013-2019)

VECHTEL 8 CORE 6G+128G Android 15 Car Radio

VECHTEL 8 CORE 6G+128G Android 15 Car Radio User Manual

For FIAT 500L (2013-2019)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHTEL 8 CORE 6G+128G Android 15 Car Radio. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage. Keep this manual for future reference.

VEHICLE COMPATIBILITY

This car radio is designed for specific vehicle models. It is compatible with:

- **FIAT 500L** models manufactured between **2013 and 2019**.

The system features a plug-and-play wiring harness, eliminating the need for power cable modifications in compatible vehicles.



Image: Visual guide for checking dashboard compatibility. Shows examples of dashboards where the unit can and cannot be installed. If unsure, consult the seller with a photo of your car's central console.



Image: Comparison of a Fiat 500L dashboard before and after the VECHTEL car radio installation, demonstrating seamless integration.

WHAT'S IN THE BOX

The product package includes the following components:

- VECHTEL Android Car Radio Unit
- GPS Antenna
- External Microphone
- Rear Camera

- Canbus Decoder
- Power Cable
- RCA Cable
- USB Cable
- Rear Camera Input Cable
- Adapter Antenna
- User Manual (this document)

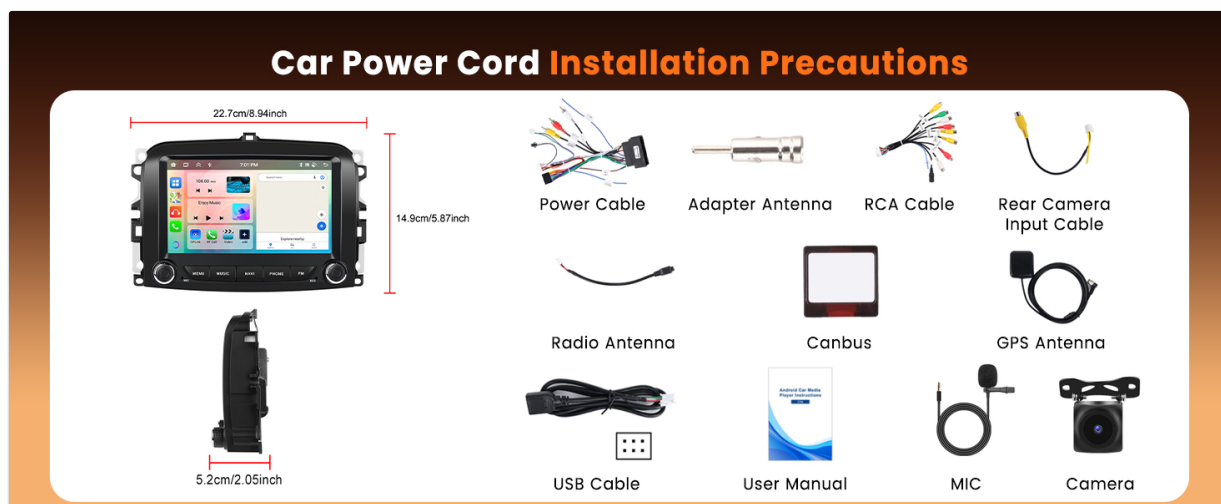


Image: An overview of all included accessories and cables, such as the GPS antenna, external microphone, rear camera, Canbus, and various wiring harnesses.

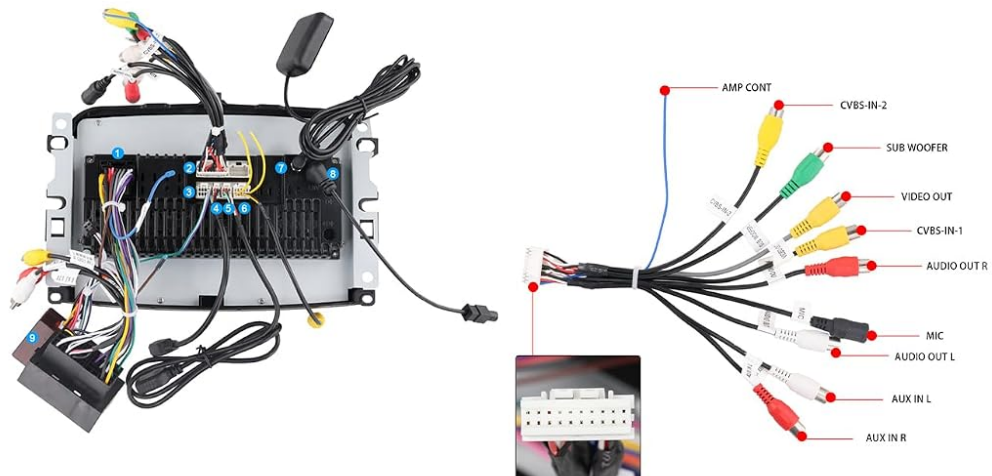
SETUP AND INSTALLATION

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation.

Wiring Connections

Refer to the wiring diagram for correct connections. The system uses a plug-and-play design for the main power harness.

Product Wiring



- | | | |
|----------------------|------------------|---------------------------|
| 1.Power Cable | 2.RCA Cable | 3.8Pin Canbus Plug |
| 4.Original USB Cable | 5.6Pin USB Cable | 6.Rear Camera Input Cable |
| 7.GPS Antenna | 8.Radio Antenna | 9.Canbus |

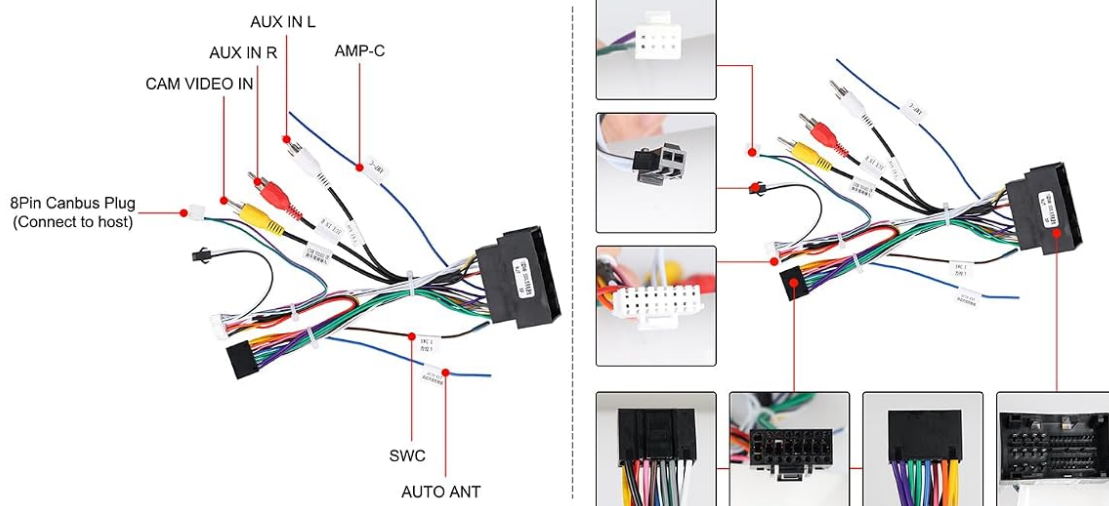


Image: Comprehensive wiring diagram illustrating connections for power, RCA, Canbus, USB, GPS antenna, radio antenna, and rear camera input. Each cable is numbered for easy identification.

- 1. Power Cable:** Connect to the vehicle's main power harness.
- 2. RCA Cable:** For audio/video input/output connections (e.g., external amplifier, subwoofer, video output).
- 3. 8Pin Canbus Plug:** Connects to the vehicle's Canbus system for steering wheel controls and other vehicle data.
- 4. Original USB Cable:** Connects to the vehicle's existing USB port if applicable.
- 5. 6Pin USB Cable:** Additional USB input for media or device charging.
- 6. Rear Camera Input Cable:** Connects the rear camera to the unit.
- 7. GPS Antenna:** Mount in a location with a clear view of the sky for optimal signal reception.
- 8. Radio Antenna:** Connect the vehicle's radio antenna.

9. **Canbus:** Ensure the Canbus decoder is correctly connected to the main harness.

Rear Camera Wiring

Follow these steps for connecting the rear camera:



Image: Detailed diagram illustrating the connection points for the rear camera, including power, ground, and trigger wire connections to the car's reverse light circuit and the head unit.

- **Red Cable (1 & 3):** Connect to the positive (+) power supply of the car's reverse light.
- **Black Cable (2):** Connect to the negative (-) ground of the car's reverse light power supply.
- **Black Cable (4):** Connect this reverse trigger wire to the corresponding input on the car radio's power harness. This signals the unit to switch to the camera view when reverse gear is engaged.

OPERATING INSTRUCTIONS

Basic Operation

The unit features a 7-inch HD IPS touchscreen with an Android 15 operating system, an 8-core CPU, 6GB RAM, and 128GB ROM for smooth performance and app installation.



Image: Illustrates the high-speed operation capabilities of the unit, highlighting the Android 15 OS, 8-core processor, and memory specifications, alongside GPS and Wi-Fi functionalities.

Wireless CarPlay and Android Auto

Connect your smartphone wirelessly to access navigation, music, calls, and more directly on the car radio screen. Supports advanced voice control via Siri or Google Assistant.

Carpaly / Android auto



Image: Shows the CarPlay and Android Auto interfaces, demonstrating wireless and wired connection options, and voice command features like "Hey Siri, open the map" or "OK, open music."

GPS Navigation and Wi-Fi

The unit includes a GPS module for both offline and online navigation. Connect to Wi-Fi or a mobile hotspot to download apps from the Play Store, stream videos, and use online navigation services.



Image: Depicts the GPS function showing a car navigating a city map and the Wi-Fi function displaying various app icons available for download and use.

Bluetooth 5.0

Utilize Bluetooth 5.0 for hands-free calling and wireless music streaming. Pair your device through the Bluetooth settings menu.



Image: Shows the Bluetooth interface with a call screen and music playback, indicating Bluetooth 5.0 connectivity for high-speed data transfer and stable connections.

FM/RDS Radio

Tune into your favorite FM radio stations. The RDS (Radio Data System) feature displays station information, song titles, and other data where available.



Image: Displays the FM/RDS radio interface with frequency tuning and preset options, alongside the Equalizer (EQ) function for audio customization.

Steering Wheel Control

The unit supports original 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 settings menu.



Image: Shows the steering wheel control learning interface, allowing users to map vehicle steering wheel buttons to radio functions, next to a backup camera view.

Rear Camera Support

The system is compatible with the included Full HD rear camera, providing a clear view of the area behind your vehicle when reversing. The display automatically switches to the camera feed when reverse gear is engaged.

Mirror Link

Mirror Link functionality allows you to display your smartphone's screen (Android or iOS) directly onto the car radio's display.



Image: Illustrates the Mirror Link feature, showing a smartphone screen mirrored onto the car radio display, compatible with both Android and iOS devices.

Split Screen Functionality

The 7-inch HD IPS touchscreen supports split-screen mode, allowing you to run two applications simultaneously, such as navigation and music playback.

7-inch Touch Screen & Split screen



Image: Demonstrates the 7-inch HD IPS touchscreen with split-screen functionality, showing two applications running side-by-side, such as a music player and a web browser.

EQ Settings

Customize your audio experience with the built-in Equalizer (EQ) settings. Adjust various frequency bands to match your preferences.

Multiple UI Themes

Personalize your car radio's interface by choosing from multiple available UI themes.



Image: Shows a collage of different user interface themes available for the car radio, allowing for personalization of the display's appearance.

MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. Do not use 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.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, vehicle battery issue.	Check all power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound.	Volume too low, mute activated, incorrect audio output settings, speaker wiring issue.	Increase volume. Check if mute is active. Verify audio output settings. Inspect speaker wiring.
GPS signal is weak or inaccurate.	GPS antenna improperly installed or obstructed.	Ensure GPS antenna is mounted in a clear, unobstructed location (e.g., dashboard, under windshield).
CarPlay/Android Auto not connecting.	Bluetooth/Wi-Fi off on phone, incorrect pairing, phone software issue.	Ensure Bluetooth and Wi-Fi are enabled on your phone. Re-pair the device. Restart both phone and car radio.
Rear camera not displaying.	Incorrect wiring, camera malfunction, reverse trigger not detected.	Check camera power and video input connections. Verify the reverse trigger wire is correctly connected to the reverse light.

Problem	Possible Cause	Solution
Radio and music play simultaneously (as per review).	Software glitch, incorrect audio routing.	Restart the unit. Check audio settings for simultaneous playback options. If issue persists, contact customer support.
Wi-Fi turns off by itself (as per review).	Software issue, power management setting.	Check Wi-Fi settings for any automatic shutdown options. Perform a factory reset if necessary. Contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	VECHTEL
Operating System	Android 15
CPU	8 Core
RAM	6GB
ROM (Internal Storage)	128GB
Screen Size	7 Inches
Display Type	HD IPS Touchscreen (1024*600 resolution)
Connectivity	Bluetooth 5.0, USB, Wi-Fi
Special Features	Wireless CarPlay, Wireless Android Auto, GPS Navigation, Touchscreen, Built-in Bluetooth, Built-in Wi-Fi, Steering Wheel Control, Mirror Link, FM/RDS Radio, EQ Settings, Full HD Rear Camera Support, Split Screen, Multiple UI Themes
Compatible Devices	Smartphones
Audio Output Mode	Stereo
Surround Sound Channel Config	5.1
Video Encoding	H.264, H.265/HEVC, MPEG-4

Feature	Detail
Product Dimensions (DxWxH)	5.2P x 22.7L x 14.9H cm (2.05D x 8.94W x 5.87H inches)
Output Power (RMS)	45 Watts
Max Output Power	180 Watts (4 channels)
Supported Audio Formats	AVI, WAV, WMA

WARRANTY INFORMATION

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

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your VECHTEL car radio, please contact our customer support team. You can reach us via the Amazon messaging system. When contacting support, please provide your order number and a detailed description of the issue.

For compatibility inquiries before purchase, please send us your car's model year and a photo of your central console via Amazon.