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› VECHETEL 9-inch Autoradio Instruction Manual for Ford Transit (2009-2016) and Ford Focus (2005-2008)

VECHTEL RM

VECHTEL 9-inch Autoradio Instruction Manual

Model: RM | Compatible with Ford Transit (2009-2016) and Ford Focus (2005-2008)

1. PRODUCT OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHETEL 9-inch Autoradio. This advanced multimedia system features an 8-core Android 13 processor, 6GB RAM, and 128GB ROM, offering a fast and responsive user experience. It supports wireless CarPlay and Android Auto, Bluetooth 5.0, RDS/FM radio, DSP sound processing, and AHD rear camera input, enhancing your driving experience with modern connectivity and entertainment.

Key Features:

- **Operating System:** Android 13 with 8-core processor
- **Memory:** 6GB RAM + 128GB ROM
- **Display:** 9-inch HD Touch Screen (1280x720 resolution) with 2.5D anti-scratch glass
- **Connectivity:** Wireless CarPlay & Android Auto, Bluetooth 5.0, Wi-Fi/Hotspot
- **Audio:** RDS/FM Radio, Digital Sound Processor (DSP) with 36-band EQ
- **Camera Support:** AHD Rear Camera input with automatic display switching
- **Compatibility:** Designed for Ford Transit (2009-2016) and Ford Focus (2005-2008)

Package Contents:

Verify that all items are present in the package:

- VECHETEL 9-inch Autoradio Unit
- GPS Antenna
- CANBUS Decoder
- Instruction Manual
- External Microphone
- Rear Camera
- USB Cables
- RCA Cables
- Power Cables
- Antenna Adapter

- Installation Tool

Package List



Image 1.1: Components included in the VECHEL Autoradio package.

2. SAFETY INFORMATION

Read all instructions carefully before installation and use. Improper installation or operation can lead to damage to the device, vehicle, or personal injury. Always consult a professional for installation if you are unsure.

- **Professional Installation Recommended:** Due to the complexity of vehicle electrical systems, professional installation is highly recommended.
- **Power Disconnection:** Always disconnect the vehicle's battery negative terminal before starting any electrical work to prevent short circuits and damage.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent electrical hazards. Do not modify the wiring harness unless specifically instructed.
- **Ventilation:** Ensure the unit has adequate ventilation and is not obstructed by other components.
- **Driving Safety:** Do not operate the unit in a way that distracts you from driving. Always prioritize road safety.
- **Cleaning:** Use a soft, dry cloth for cleaning. Avoid abrasive cleaners or solvents.

3. SETUP AND INSTALLATION

This section outlines the general steps for installing your new autoradio. Specific vehicle models may require additional steps or tools. Refer to your vehicle's service manual for detailed dashboard disassembly instructions.

3.1 Pre-Installation Check

- Confirm vehicle compatibility (Ford Transit 2009-2016 / Ford Focus 2005-2008).
- Ensure all components listed in the 'Package Contents' are present.
- Gather necessary tools (e.g., screwdrivers, wire strippers, electrical tape).

3.2 Installation Steps

1. **Disconnect Battery:** Disconnect the negative terminal of your vehicle's battery.
2. **Remove Old Unit:** Carefully remove the existing car radio and dashboard trim.
3. **Connect Wiring Harness:** Connect the provided power cables, RCA cables, and CANBUS decoder to the vehicle's wiring harness. Ensure correct connections for power, speakers, and vehicle data.
4. **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.
5. **Connect External Microphone:** Plug in the external microphone and route it to a suitable location for clear voice pickup (e.g., near the sun visor).
6. **Install Rear Camera:** Mount the rear camera (if applicable) and route its video cable to the autoradio's rear camera input. Connect the camera's power to the reverse light circuit for automatic activation.
7. **Connect Autoradio:** Connect all cables from the vehicle and accessories to the corresponding ports on the back of the VECHTEL unit.
8. **Test Connections:** Before fully reassembling the dashboard, reconnect the battery and perform a basic test of the unit's functions (power on, radio, sound, camera).
9. **Secure Unit:** Secure the autoradio in the dashboard opening using the provided mounting frame.
10. **Reassemble Dashboard:** Carefully reassemble the dashboard trim and panels.



Image 3.1: Visual comparison of the dashboard before and after autoradio installation.

4. OPERATING INSTRUCTIONS

This section details how to use the various functions of your VECHTEL Autoradio.

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.

- **Touchscreen Interface:** Navigate through menus and applications by tapping, swiping, and pinching on the 9-inch HD touchscreen.
- **Volume Control:** Adjust volume using the physical knobs/buttons or on-screen controls.
- **Home Screen Customization:** The unit offers 59 UI options for the homepage. Long-press on icons to rearrange or replace them.

4.2 Bluetooth 5.0 Connectivity

Connect your smartphone via Bluetooth for hands-free calling and audio streaming.

1. Go to the Bluetooth settings on the autoradio.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select "VECHTEL" or the device name displayed on the autoradio screen.
4. Confirm the pairing code on both devices.
5. Once connected, you can make/receive calls and play music through the car speakers.



Image 4.1: Bluetooth 5.0 interface for phone calls.

4.3 Wi-Fi and Hotspot

Connect to Wi-Fi or a mobile hotspot to access online features, download apps, and use online navigation.

1. Navigate to the Wi-Fi settings on the autoradio.
2. Turn on Wi-Fi and select your desired network from the list.
3. Enter the password if prompted and connect.
4. Alternatively, enable your smartphone's hotspot and connect the autoradio to it.



4.4 CarPlay and Android Auto

Enjoy seamless integration with your smartphone for navigation, music, and voice commands.

- **Wireless Connection:** For wireless CarPlay/Android Auto, ensure Bluetooth and Wi-Fi are enabled on both your phone and the autoradio. Follow the on-screen prompts to connect.
- **Wired Connection:** Connect your smartphone to the autoradio via a USB cable. The system will automatically launch CarPlay or Android Auto.
- **Mirror Link:** The Mirror Link function allows you to display your smartphone screen directly on the autoradio.

4.5 RDS/FM Radio

Access local radio stations with clear reception and station information.

1. Select the "Radio" application from the main menu.
2. Use the scan function to automatically search for and save available stations.
3. Tune manually or select from preset stations.
4. RDS (Radio Data System) will display station names and other information where available.



Image 4.3: FM/RDS Radio interface.

4.6 Digital Sound Processor (DSP)

Customize your audio experience with advanced sound settings.

1. Access the "DSP" or "Sound Settings" application.
2. Adjust the 36-band equalizer (EQ) to fine-tune frequency responses.
3. Utilize time alignment features to optimize the sound stage for different seating positions.
4. Experiment with various sound presets and effects.



Image 4.4: DSP sound customization options.

4.7 Rear Camera Function

The unit supports an AHD rear camera for improved visibility when reversing.

- When the vehicle is shifted into reverse gear, the screen will automatically switch to the rear camera view.
- The AHD camera provides a high-definition, wide-angle view, often with night vision capabilities.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your autoradio.

5.1 Screen Cleaning

- Turn off the unit before cleaning.
- Use a soft, lint-free cloth, slightly dampened with water or a screen-safe cleaning solution.
- Wipe gently to remove dust, fingerprints, and smudges. Avoid excessive pressure.
- Do not use abrasive cleaners, alcohol, or solvents, as these can damage the screen coating.

5.2 Software Updates

- Periodically check for available software updates through the system settings or the manufacturer's website.
- Updates can improve performance, add new features, and fix bugs.
- Follow the update instructions carefully to avoid system corruption.

6. TROUBLESHOOTING

If you encounter issues with your autoradio, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not power on.	Loose power connection, blown fuse, incorrect wiring.	Check power cables and connections. Inspect vehicle fuses. Ensure correct wiring according to the diagram.
No sound from speakers.	Speaker wires disconnected, volume too low, incorrect audio settings.	Verify speaker wire connections. Increase volume. Check audio output settings and DSP configurations.
Bluetooth connection issues.	Bluetooth not enabled, device not discoverable, interference.	Ensure Bluetooth is on for both devices. Restart both devices. Clear previous pairings and try again.
GPS signal lost or inaccurate.	GPS antenna obstructed, faulty antenna, poor satellite reception.	Ensure GPS antenna has a clear view of the sky. Check antenna connection. Move to an open area.
Rear camera not displaying.	Camera cable loose, camera power issue, incorrect reverse trigger wire.	Check camera video cable connection. Verify camera power supply. Ensure reverse trigger wire is correctly connected to the vehicle's reverse light.
Touchscreen unresponsive.	System freeze, temporary software glitch.	Perform a soft reset (refer to manual for specific reset button location, usually a small pinhole). If issue persists, contact support.

7. TECHNICAL SPECIFICATIONS

Detailed technical specifications for the VECHTEL RM Autoradio.

- **Brand:** VECHTEL
- **Model Number:** RM
- **Operating System:** Android 13
- **Processor:** 8-Core
- **RAM:** 6GB
- **ROM:** 128GB
- **Screen Size:** 9 inches
- **Screen Resolution:** 1280x720 HD IPS Touchscreen
- **Connectivity:** Bluetooth 5.0, USB, Wi-Fi
- **Special Features:** CarPlay, Android Auto, Mirror Link, RDS/FM Radio, DSP, AHD Rear Camera Support, Multilingual UI
- **Audio Output Mode:** Stereo
- **Audio Channels:** 2.1
- **Output Power:** 45 Watts (per channel), 180 Watts (total)
- **Video Encoding:** MPEG-4, H.264
- **Compatible Devices:** Smartphones
- **Product Dimensions:** 3.5P x 24L x 15H cm
- **Item Weight:** 1 Kilogram

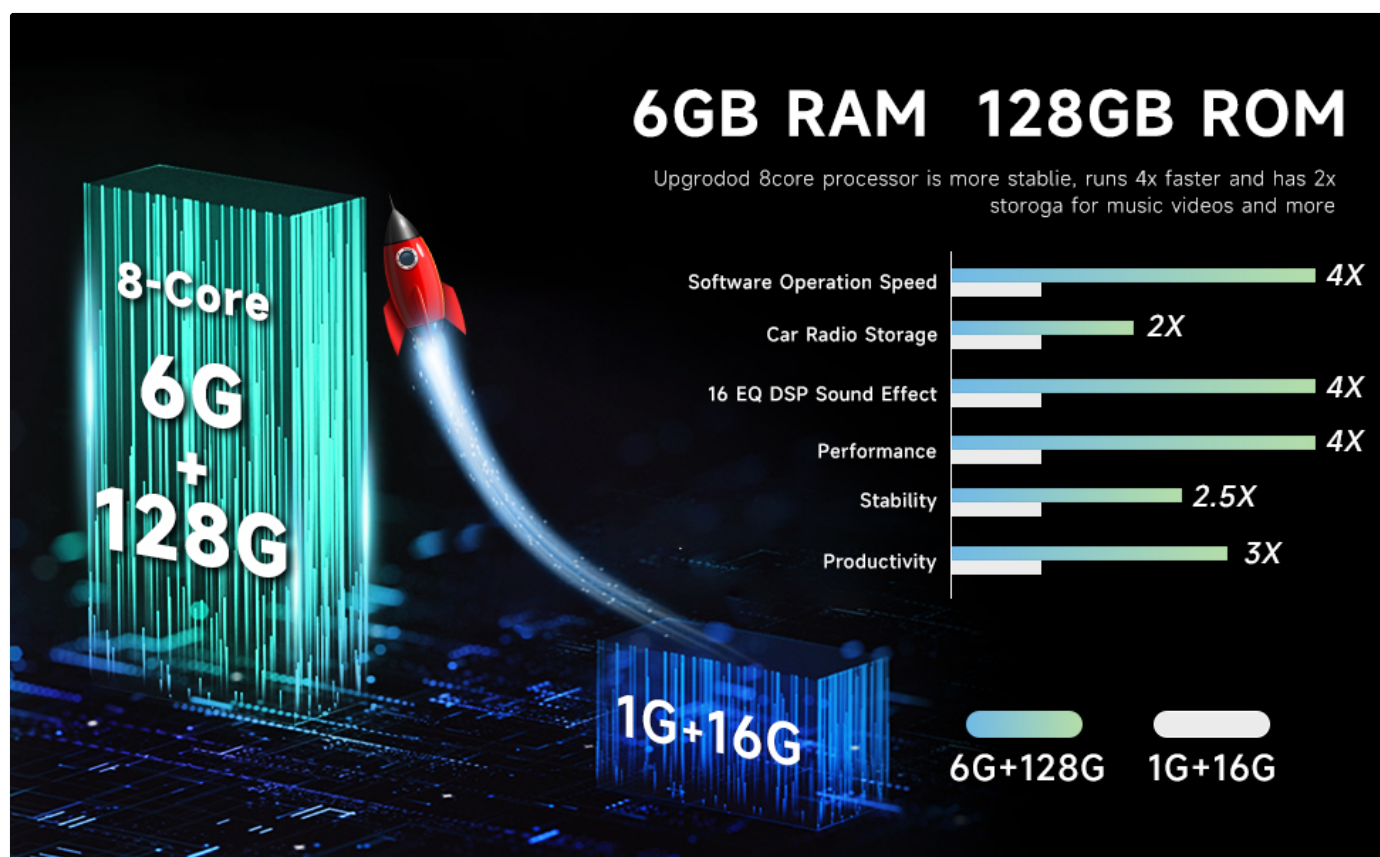


Image 7.1: Performance comparison of different configurations.

8. WARRANTY AND SUPPORT

Your VECHEL Autoradio comes with a comprehensive warranty and dedicated customer support.

8.1 Product Warranty

This product is covered by a **2-year warranty** from the date of purchase. The 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.

8.2 Technical Support

VECHTEL offers 24/7 technical support to assist you with any questions or issues regarding your autoradio.

- For assistance, please visit the official VECHEL store on Amazon or contact customer service through your purchase platform.
- When contacting support, please provide your product model (RM) and purchase details.

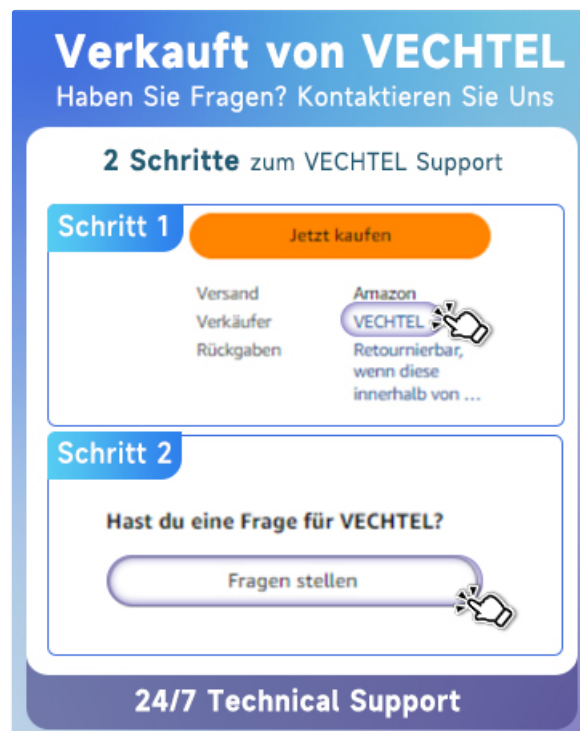


Image 8.1: VECHTEL customer support information.

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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

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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

