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› VECHELT 7-inch 1-DIN Car Stereo with Manual Retractable Touchscreen, Wireless CarPlay & Android Auto (Model F133)

VECHTEL F133

VECHTEL 7-inch 1-DIN Car Stereo Instruction Manual

Model: F133

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHELT F133 7-inch 1-DIN Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.

2. SAFETY INFORMATION

- Ensure proper wiring to avoid short circuits or electrical damage. Consult a professional for installation if unsure.
- Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- Keep the device away from water and excessive moisture.
- Do not attempt to disassemble or repair the unit yourself. This may void the warranty and cause damage.
- Use only accessories and parts specified by the manufacturer.

3. PACKAGE CONTENTS

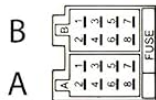
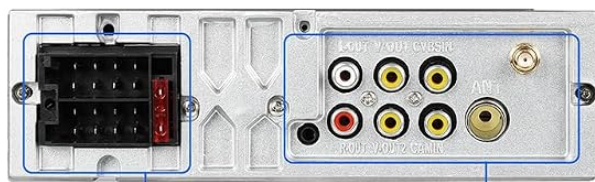
Verify that all items are present in the package:

- VECHELT F133 Car Stereo Unit
- Power Cable
- Horn Cable
- User Manual
- Steering Wheel Control Remote
- External Microphone
- 12LED Rear Camera
- Installation Accessories (brackets, screws)

Product List

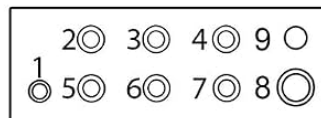


Product



A1: Back in
A2: Brake
A3: Key 1
A4: Battery+
A5: Antenna
A6: ILL
A7: Ignition Switch
A8: Ground

B1: Right Rear Speaker+
B2: Right Rear Speaker-
B3: Right Front Speaker+
B4: Right Front Speaker-
B5: Left Front Speaker+
B6: Left Front Speaker-
B7: Left Rear Speaker+
B8: Left Rear Speaker-



1.AUDIO-IN 2.L OUT 3.V-OUT1
4.CVBSIN 5.R OUT 6.V-OUT2
7.CAMIN 8.RADIO ANT 8.DAB PORT



Horn Cable



Power Cable



Accessories



MIC



User Manual



Steering Wheel Control



12LED Rear Camera

Figure 3.1: Product List and Included Accessories. This image displays the main unit with dimensions and various components such as cables, remote, camera, and microphone.

4. PRODUCT OVERVIEW

The VECHTEL F133 features a 7-inch manual retractable IPS touchscreen with 1024x600 resolution. It includes a rotary knob for volume and radio tuning, and buttons with 7-color adjustable backlighting.

4.1. Front Panel Controls and Screen

7-Inch Manual Screen with 7-Colour Lights



Figure 4.1: Manual Retractable Screen and 7-Color Lights. The image illustrates how the screen can be manually angled down, angled up, and expanded, along with the customizable 7-color button illumination.

The screen can be manually adjusted for optimal viewing angle and retracted when not in use. The buttons below the screen offer customizable 7-color backlighting.

4.2. Connectivity Ports

The unit is equipped with multiple connectivity options:

- **2 USB Ports:** For media playback from USB drives and mobile phone charging.
- **Type-C Port:** For mobile phone charging and connection.
- **AUX Input:** For connecting external audio devices.
- **Memory Card Slot:** For media playback.



Figure 4.2: USB, Type-C, and AUX Ports. This image highlights the location and function of the dual USB ports, Type-C port, and AUX input, which support mobile phone charging, mobile connection, and USB flash drive connection.

5. INSTALLATION

5.1. Dimensions

The installation dimensions for this 1-DIN car stereo are approximately 178mm (L) x 50mm (H) x 185mm (D) or 7.01 inches (L) x 1.97 inches (H) x 7.28 inches (D).

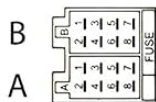
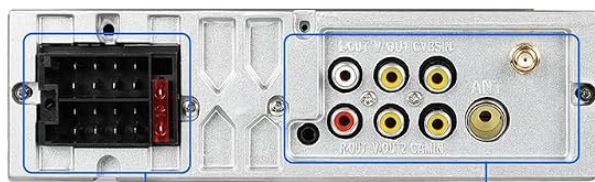
5.2. Wiring Diagram

Refer to the wiring diagram provided in Figure 5.1 for correct connections. Improper wiring can cause damage to the unit or vehicle electrical system.

Product List

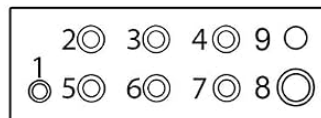


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12LED Rear Camera

Figure 5.1: Wiring Diagram. This diagram illustrates the connections for the power harness, speaker outputs, camera input, and other audio/video inputs and outputs.

Key Connections:

- **Power:** Connect the yellow wire to constant 12V (B+), red wire to accessory 12V (ACC), and black wire to ground (GND).
- **Speakers:** Connect the speaker wires to the corresponding vehicle speakers (Front Left, Front Right, Rear Left, Rear Right).
- **Backup Camera:** Connect the camera's video output to the 'CAMIN' input. The camera trigger wire should connect to

the vehicle's reverse light circuit.

- **Steering Wheel Control (SWC):** Connect the SWC wires to your vehicle's steering wheel control wires. Learning/programming may be required (see Section 6.7).

6. OPERATING INSTRUCTIONS

6.1. Basic Operations

- **Power On/Off:** Press the power button or turn the ignition key.
- **Volume Control:** Use the rotary knob to adjust the volume.
- **Mode Selection:** Press the 'MODE' button to switch between functions (Radio, Bluetooth, USB, AUX, CarPlay/Android Auto).
- **Screen Retraction:** Manually push or pull the screen to retract or extend it.

6.2. Bluetooth 5.1 Connectivity

The unit supports Bluetooth 5.1 for hands-free calling and audio streaming.

1. Enable Bluetooth on your mobile phone.
2. On the car stereo, navigate to the Bluetooth menu.
3. Search for available devices on your phone and select 'VECHTEL F133' (or similar name).
4. Confirm pairing on both devices.

Once connected, you can make/receive calls and stream music wirelessly.



Figure 6.1: Bluetooth and Audio Features. This image displays the Bluetooth interface for hands-free calls and music, the FM radio tuner, and the graphical equalizer for sound adjustment.

6.3. Wireless CarPlay and Android Auto

The unit supports wireless CarPlay and Android Auto for seamless smartphone integration.

1. Ensure Bluetooth and Wi-Fi are enabled on your smartphone.
2. Connect your phone to the car stereo via Bluetooth.
3. The system will prompt you to activate CarPlay or Android Auto. Follow the on-screen instructions.

4. Once connected, you can access navigation, music, messages, and voice assistants (Siri/Google Assistant) directly from the stereo screen.



Figure 6.2: Wireless CarPlay & Android Auto Interface. This image illustrates the main screen displaying navigation and media playback through wireless CarPlay or Android Auto, with voice command examples.

6.4. Mirror Link

Mirror Link allows you to display your smartphone screen on the car stereo.

- **For iOS (Airplay):** Wireless connection, one-way operation (phone to stereo).
- **For Android Cast:** Wired or wireless connection, two-way operation (control from stereo or phone).
- Follow the on-screen instructions in the 'Mirror Link' application on the stereo to establish the connection.

6.5. FM Radio

The FM radio supports frequencies from 87.5 to 108 MHz and allows for up to 18 preset stations.

- **Automatic Scan:** Press the 'BAND' button or select the auto-scan option to find and save stations.
- **Manual Tuning:** Use the rotary knob or touch controls to manually tune to a frequency.
- **Presets:** Touch and hold a preset number to save the current station.

6.6. Backup Camera Functionality

The included HD backup camera provides a clear view when reversing.

- When the vehicle is shifted into reverse gear, the screen will automatically display the camera feed.
- The camera features IP68 waterproofing and infrared night vision for clear visibility in various conditions.
- A manual auxiliary reverse cable allows for manual switching to the camera view if desired.



Figure 6.3: Backup Camera View and Features. This image demonstrates the automatic display of the backup camera feed with parking lines and highlights the camera's robust features.

6.7. Steering Wheel Control (SWC)

The unit can be controlled using your vehicle's original steering wheel buttons after proper wiring and learning.

1. Ensure the SWC wires are correctly connected during installation.
2. Access the 'Steering Wheel Control' or 'Key Learning' menu in the stereo's settings.
3. Follow the on-screen prompts to assign functions to your steering wheel buttons (e.g., volume up/down, next/previous

track, answer/hang up call).



Figure 6.4: Steering Wheel Control Interface. This image illustrates the use of steering wheel buttons for controlling various functions of the car stereo, enhancing driving convenience.

6.8. Equalizer (EQ) Adjustment

Customize your audio experience using the built-in equalizer.

- Access the 'EQ' or 'Sound Settings' menu.

- Choose from preset equalizer modes (e.g., Pop, Rock, Jazz) or manually adjust individual frequency bands to suit your preference.

7. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Keep the unit free from dust and debris. Use a dry cloth for the main body.
- **Software Updates:** Check the manufacturer's website for any available software updates to ensure optimal performance.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Incorrect wiring, blown fuse, vehicle battery issue.	Check power connections (B+, ACC, GND). Inspect vehicle fuses. Ensure battery is charged.
No Sound	Speaker wires disconnected, volume too low, incorrect audio source.	Verify speaker connections. Increase volume. Select correct audio source (FM, Bluetooth, USB).
Bluetooth Not Connecting	Bluetooth not enabled on phone/stereo, incorrect pairing process.	Ensure Bluetooth is active on both devices. Delete previous pairings and re-pair.
CarPlay/Android Auto Not Working	Incorrect phone settings, app issues, unstable connection.	Ensure phone's Wi-Fi and Bluetooth are on. Restart phone and stereo. Check phone's CarPlay/Android Auto settings.
Backup Camera Not Displaying	Camera not connected, trigger wire issue, faulty camera.	Check camera video input and trigger wire connection. Test camera functionality.

If the problem persists after trying these solutions, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model Number	F133
System	F133
Voltage	12 V

Feature	Specification
Max Output Power	4 x 45 W
CarPlay/Android Auto	Compatible (Wireless)
Mirror Link	Compatible
Radio Frequency	FM (87.5-108 MHz)
Screen Resolution	1024 x 600
Factory Settings Password	112345
Audio Formats	MP3/AAC/OGG/FLAC/APE
Video Formats	AVI/3GP/MP4/MOV/MPG/MKV/VOB/RMVB/RM
Supported Languages	English, Chinese, Japanese, Portuguese, Russian, German, Spanish, Turkish, Italian, French, Polish, Hebrew, Slovenian
Bluetooth Version	5.1
Connections	USB, AUX, Memory Card, Backup Camera
Special Features	Wireless CarPlay/Android Auto, Remote Control, Touchscreen, 7-Color Illumination
Compatible Devices	Smartphone
Audio Output Mode	Stereo, Surround
Surround Sound Channel Configuration	2.0

10. WARRANTY AND SUPPORT

VECHTEL provides comprehensive pre-sales and after-sales support for its products. If you have any questions regarding compatibility, installation, operation, or troubleshooting, please contact our customer service team. For technical assistance, please refer to the contact information provided with your purchase or visit the official VECHTEL support website.

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Model number, symptoms, what you tried, or the section of the manual you are using.

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