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› VEVOR 10" 240W Underseat Car Subwoofer Instruction Manual

VEVOR YL-1012C

VEVOR 10" 240W Underseat Car Subwoofer Instruction Manual

Model: YL-1012C

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your VEVOR 10-inch 240W Underseat Car Subwoofer, Model YL-1012C. Please read this manual thoroughly before installation and use to ensure proper function and safety. Retain this manual for future reference.

2. SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent injury or damage to the unit:

- Read all instructions carefully before operating the subwoofer.
- Do not expose the unit to water, moisture, or extreme temperatures.
- Ensure adequate ventilation around the subwoofer to prevent overheating.
- Always disconnect the vehicle's battery power before performing any installation or maintenance.
- Use only the specified wiring gauges and fuses. Incorrect wiring can lead to fire or electrical shock.
- Professional installation is recommended for optimal performance and safety, especially for complex vehicle audio systems.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified service personnel.
- Securely mount the subwoofer to prevent movement during vehicle operation.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your VEVOR 10" 240W Underseat Car Subwoofer package:

- 1 x Subwoofer
- 1 x DC Power Cord

- 1 x Fuse
- 1 x GND Cable
- 1 x RCA Audio Cable
- 1 x High to Low Level Converter
- 1 x High Level Input Cable
- 1 x ACC Device Connection Wire
- 1 x Set of Assembly Accessories (includes 4 x Self Tapping Screws, 8 x Philips Round Head Screws, 4 x Fix Support Brackets, 2 x Fork Cold-Pressed Terminals, 4 x Insulation Sleeves)
- 1 x Quick Install Guide
- 1 x User Manual

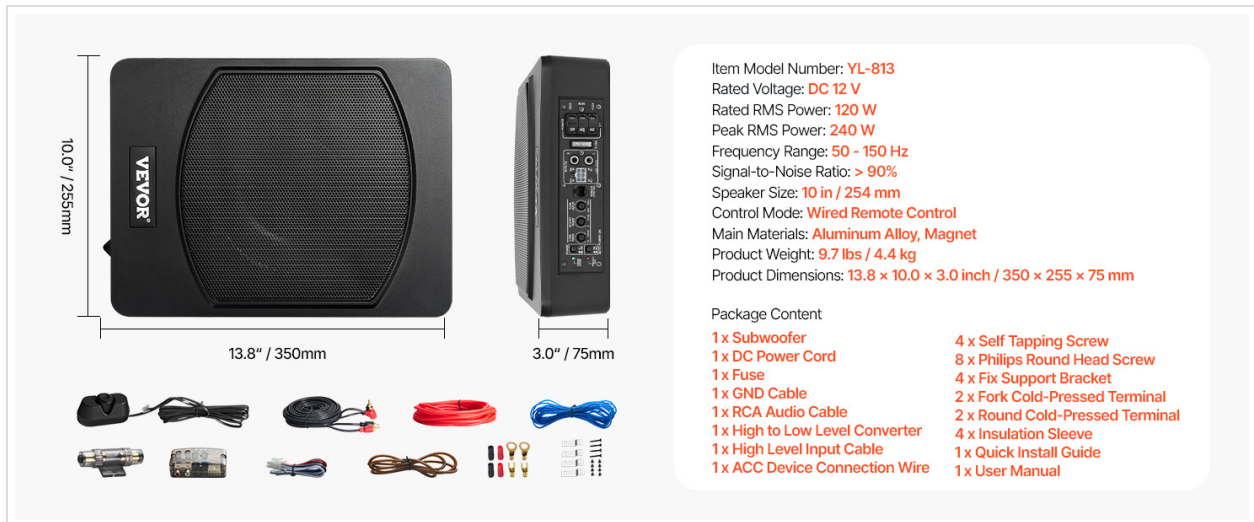


Image: Visual representation of the subwoofer's dimensions and the complete list of included accessories and cables.

4. PRODUCT OVERVIEW

The VEVOOR 10" 240W Underseat Car Subwoofer is designed to provide enhanced bass performance in a compact form factor. It features a built-in amplifier, allowing for direct integration into your vehicle's audio system. The slim profile enables installation under car seats, optimizing space utilization.



Image: Top view of the VEVOR 10-inch underseat car subwoofer, highlighting its compact design and speaker grille. Key features include:

- **Compact Design:** Ultra-slim 3.0-inch height for underseat installation.
- **Integrated Amplifier:** Built-in amplifier with 120W RMS rated power and 240W peak power.
- **High Fidelity Audio:** Distortion rate below 0.4% and a signal-to-noise ratio greater than 90%.
- **Wide Frequency Response:** 50-150 Hz range for comprehensive low-frequency sound.
- **Multiple Protections:** Equipped with overheat, short circuit, and fuse protection for reliable operation.



Image: The VEVOR subwoofer positioned under a car seat, illustrating its space-saving design and integration into a vehicle interior.



Image: A graphic demonstrating the subwoofer's 50-150 Hz frequency response and the role of its sealed enclosure in enhancing bass depth.

5. INSTALLATION

Follow these steps for proper installation of your VEVOR underseat car subwoofer. Ensure the vehicle's battery is disconnected before beginning.



Image: Illustration of the subwoofer's compatibility with diverse car audio systems, featuring both RCA and high-level input options.

Installation Steps:

- 1. Plan the Wire Routing:** Carefully plan the path for all wiring. Keep RCA cables isolated from power cables and other high-power auto accessories to minimize interference.
- 2. Power and Grounding Connections:**
 - Connect the power wire (typically red) to the positive terminal of the car battery. Install the fuse holder as close to the battery as possible.
 - Connect the ground wire (typically black) to a clean, unpainted metal surface on the car's chassis. Ensure a secure connection for proper grounding.
- 3. Remote Control Connection:** Connect the remote wire (ACC Device Connection Wire) to the amplifier's REM terminal. This wire signals the subwoofer to turn on/off with the vehicle's ignition or head unit.
- 4. Connect Signal Input:**
 - **Low-Level Input (RCA):** If your head unit has RCA outputs, connect the provided RCA audio cable from the head unit to the subwoofer's RCA input jacks.
 - **High-Level Input:** If your head unit does not have RCA outputs, use the high-level input cable and the high-to-low level converter. Connect the high-level input wires to your vehicle's speaker wires.
- 5. Check and Test:** After all connections are made, double-check that they are secure and correctly wired. Ensure the fuse is properly installed. Reconnect the car battery and perform a test to confirm the subwoofer is functioning as expected.



Image: A detailed wiring diagram illustrating the connections required for installing the VEVOR underseat subwoofer in a vehicle.

6. OPERATION

Once installed, the VEVOR subwoofer can be adjusted to optimize its performance within your vehicle's audio environment. The unit typically includes controls for gain, low-pass filter (LPF), and phase, often accessible via a wired remote control.

- **Gain Control:** This knob adjusts the input sensitivity of the subwoofer. Set it to match the output level of your head unit. Start with a low setting and gradually increase until the bass blends well with your main speakers without distortion.

- **Low-Pass Filter (LPF):** The LPF control sets the upper frequency limit for the subwoofer. Frequencies above this setting will be filtered out, ensuring the subwoofer only reproduces low bass notes. A common starting point is 80-100 Hz, but adjust to achieve a seamless transition with your main speakers.
- **Phase Switch (0°/180°):** This switch adjusts the phase of the subwoofer's output. If the bass sounds weak or out of sync with your main speakers, try flipping the phase switch. One setting will typically result in stronger, more coherent bass.
- **Remote Volume Control:** Use the included remote control to conveniently adjust the subwoofer's output level from the driver's seat, allowing for on-the-fly adjustments based on music genre or personal preference.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your subwoofer:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. Avoid using harsh chemicals or abrasive cleaners.
- **Ventilation:** Ensure that the subwoofer's ventilation areas are not obstructed to prevent heat buildup.
- **Connections:** Periodically check all wiring connections to ensure they remain secure and free from corrosion.
- **Environment:** Avoid exposing the unit to direct sunlight for extended periods or to extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your VEVOR subwoofer, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No Power	Blown fuse; Loose power or ground connection; Remote wire not connected.	Check and replace fuse; Verify all power and ground connections are secure; Ensure remote wire is connected to a switched 12V source.
No Sound Output	No audio signal input; Incorrect input wiring (RCA/High-Level); Gain control set too low; LPF set too low.	Verify RCA or high-level input connections; Check wiring for correct polarity; Increase gain control gradually; Adjust LPF to an appropriate frequency.
Distorted Sound	Gain control set too high; Input signal too strong; Incorrect LPF setting.	Reduce gain control; Lower the output level from the head unit; Adjust LPF to a higher frequency if necessary.
Weak or Muffled Bass	Incorrect phase setting; LPF set too low; Subwoofer placement.	Toggle the phase switch (0°/180°) to find the optimal setting; Increase LPF; Experiment with subwoofer placement for better acoustic coupling.
Unit Overheats	Insufficient ventilation; Prolonged operation at high volume.	Ensure clear airflow around the unit; Reduce volume or allow unit to cool down.

9. SPECIFICATIONS

Detailed technical specifications for the VEVOR 10" 240W Underseat Car Subwoofer (Model YL-1012C):

Specification	Value
Model Name	10" 240W Underseat Car Subwoofer
Item Model Number	YL-1012C
Speaker Type	Subwoofer
Speaker Size	10 Inches (254mm)
Woofer Diameter	10 Inches
Audio Driver Type	Dynamic Driver
Rated RMS Power	120 Watts
Peak RMS Power	240 Watts
Frequency Response	50 - 150 Hz
Signal-to-Noise Ratio	> 90 dB
Input Voltage	12 Volts DC
Mounting Type	Under Seat
Control Method	Remote
Connectivity Technology	RCA
Audio Output Mode	Stereo
Product Dimensions (D x W x H)	3" x 13.8" x 10" (75 x 350 x 255 mm)
Item Weight	9.7 Pounds (4.4 kg)
Main Materials	Aluminum Alloy, Magnet
Is Waterproof	False
UPC	197988481423

10. WARRANTY AND SUPPORT

For warranty information, technical assistance, or customer support regarding your VEVOR 10" 240W Underseat Car Subwoofer, please refer to the contact details provided with your purchase documentation or visit the official VEVOR website. Ensure you have your model number (YL-1012C) and purchase date available when contacting support.

