

## Alpine SWE-1080

# ALPINE SWE-1080 Compact Powered Subwoofer User Manual

Model: SWE-1080 | Brand: Alpine

## 1. INTRODUCTION

The Alpine SWE-1080 is a compact 20 cm (8-inch) powered subwoofer designed to enhance the bass response of your vehicle's audio system. Featuring an integrated amplifier, this unit simplifies installation while delivering powerful and clear low-frequency sound. Its robust aluminum die-cast chassis ensures durability and optimal sound performance. This manual provides essential information for the safe and effective use of your SWE-1080 subwoofer.



Figure 1.1: Alpine SWE-1080 Compact Powered Subwoofer. This image shows the top-down view of the compact subwoofer unit, highlighting its protective grille and the Alpine logo.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installing and operating the SWE-1080. Failure to follow these instructions may result in serious injury or damage to the product or vehicle.

- **Professional Installation Recommended:** For optimal performance and safety, it is highly recommended to have this product installed by a qualified professional.
- **Power Source:** Connect the unit only to a 12V DC negative ground vehicle electrical system.
- **Wiring:** Ensure all wiring is securely connected and properly insulated to prevent short circuits. Use appropriate gauge wires as specified in the installation section.
- **Mounting Location:** Mount the subwoofer in a location that does not obstruct driving, interfere with airbags, or impede vehicle controls. Ensure it is securely fastened to prevent movement during driving.
- **Temperature and Moisture:** Avoid exposing the unit to extreme temperatures, direct sunlight, or excessive moisture.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block any ventilation openings.

### 3. PACKAGE CONTENTS

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Verify that all items listed below are included in your package:

- Alpine SWE-1080 Powered Subwoofer Unit
- Wired Remote Control with Cable
- Power Wiring Harness (with fuse holder)
- RCA Input Cable
- Speaker Level Input Harness
- Mounting Brackets (4 pcs)
- Mounting Screws (various sizes)



Figure 3.1: Included Accessories. This image displays all the components typically included with the Alpine SWE-1080, such as the wiring harnesses, remote control, RCA cable, and mounting hardware.

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for the performance and longevity of your subwoofer. Refer to the diagrams for connection details.

### 4.1 Wiring Connections

1. **Power (BATT+):** Connect the yellow wire from the power harness directly to the vehicle's positive battery terminal. Ensure an inline fuse (provided) is installed close to the battery.
2. **Ground (GND):** Connect the black wire from the power harness to a clean, unpainted metal surface of the vehicle chassis. Ensure a good electrical connection.
3. **Remote Turn-On (REM):** Connect the blue wire from the power harness to the remote turn-on output of your head unit. This wire signals the subwoofer to turn on and off with your audio system.
4. **Audio Input:**
  - **RCA Input:** If your head unit has RCA pre-outs, connect the supplied RCA cable from the head unit's subwoofer or full-range outputs to the RCA input jacks on the SWE-1080.
  - **Speaker Level Input:** If your head unit does not have RCA pre-outs, use the supplied speaker level input harness. Connect the speaker wires from your head unit's speaker outputs to the corresponding wires on the harness, then plug the harness into the SWE-1080.
5. **Remote Control:** Plug the wired remote control cable into the dedicated port on the subwoofer unit.



# 剛性・制振性の高い アルミダイキャストを採用



締まりのある、タイト感のある低音の再現が可能に

Figure 4.1: Wiring and Control Connections. This diagram illustrates the various input and output ports on the Alpine SWE-1080, including power, ground, remote, RCA inputs, and the remote control connection.

# AMP一体型になり従来モデルより 取付け性が向上



SWE-1080



**HEAD  
UNIT**

(ナビ/デッキ等)



SWE-1200

**AMP**

**HEAD  
UNIT**

ウーファー本体から直接ヘッドユニットに  
配線可能になり省スペース効果もあります

Figure 4.2: Integrated Amplifier Advantage. This image compares the SWE-1080's integrated amplifier design with a traditional setup requiring a separate amplifier, highlighting the simplified wiring and space-saving benefits.

## 4.2 Mounting

The compact design of the SWE-1080 allows for flexible mounting options, such as under a seat or in the trunk. Use the provided mounting brackets and screws to secure the unit firmly to a stable surface in your vehicle.



**運転席シート下部 設置イメージ**

Figure 4.3: Under-Seat Installation Example. This image shows the Alpine SWE-1080 installed discreetly under a car seat, demonstrating its compact size and suitable placement for optimal sound dispersion.

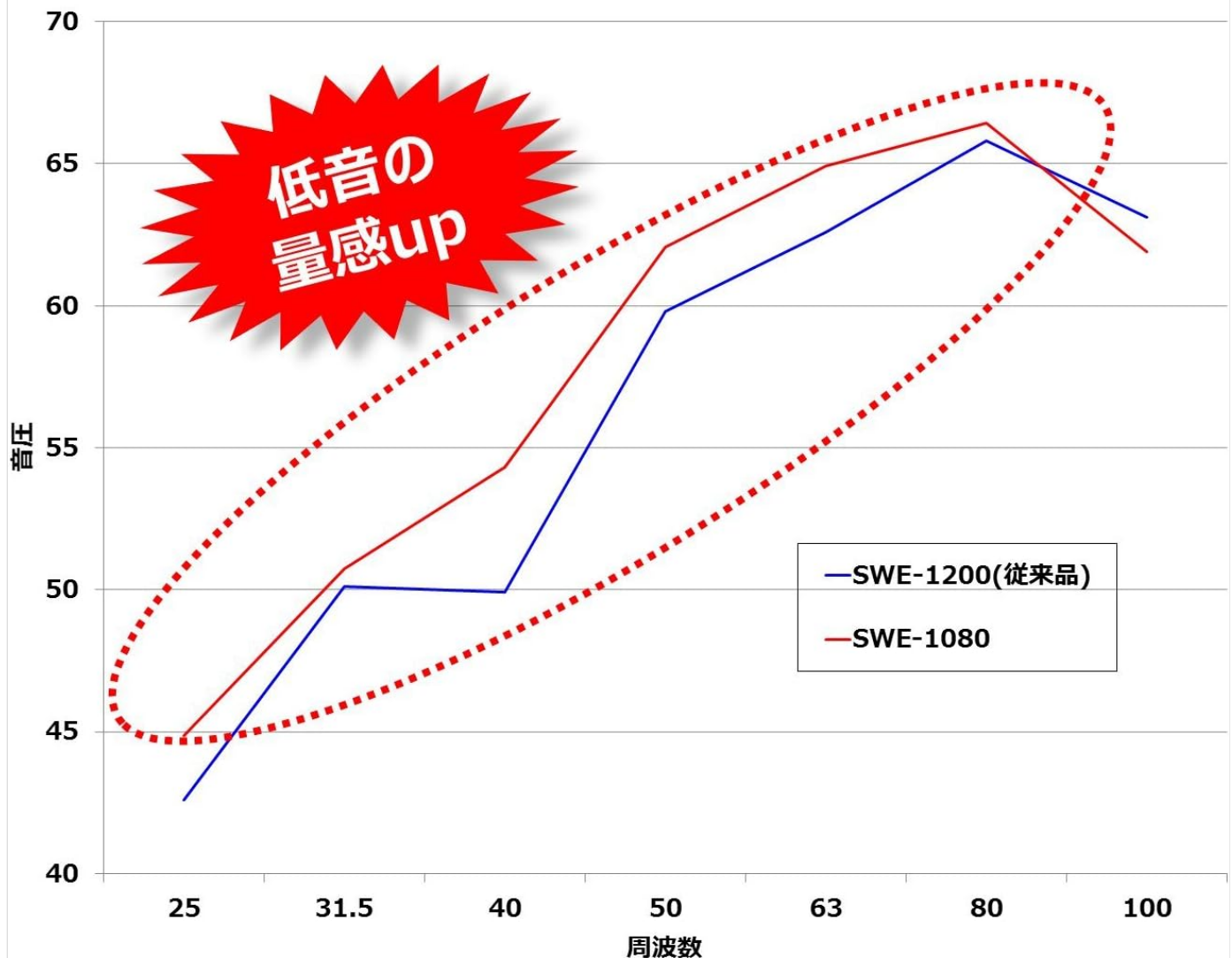
## 5. OPERATING INSTRUCTIONS

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The wired remote control provides convenient access to key settings for optimizing your subwoofer's performance.



# 本来のサブウーファーのような 重低音を再現



ドアスピーカーが表現できない低域を  
通常のパワードサブウーファー以上にカバー可能

Figure 5.1: Wired Remote Control. This image displays the wired remote control unit, showing its various adjustment knobs and buttons for gain, low-pass filter, and phase.

## 5.1 Remote Control Functions

- **GAIN (MIN/MAX):** This knob adjusts the overall output level of the subwoofer. Start with the gain at minimum and slowly increase it until the bass blends well with your main speakers without distortion.
- **LP FILTER (50Hz/100Hz):** This knob controls the low-pass crossover frequency. It filters out frequencies above the set point, ensuring only low frequencies are sent to the subwoofer. Adjust this to blend smoothly with your main speakers. A common starting point is around 80Hz.
- **PHASE (NORMAL/REV):** This switch allows you to change the phase of the subwoofer's output (0° or 180°). Adjust this setting to achieve the best bass impact and integration with your main speakers. Listen to your system and select the phase that provides the most impactful and cohesive bass.

## 6. MAINTENANCE

The Alpine SWE-1080 is designed for durability and requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Do not use abrasive cleaners, solvents, or excessive moisture.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris to ensure proper heat dissipation.
- **Connections:** Ensure all wiring connections remain secure. Loose connections can lead to poor performance or damage.

## 7. TROUBLESHOOTING

If you experience issues with your SWE-1080, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power / Unit Not Turning On	<ul style="list-style-type: none"><li>• Blown fuse</li><li>• Loose power or ground connection</li><li>• Remote turn-on wire not connected or no signal</li></ul>	<ul style="list-style-type: none"><li>• Check and replace fuse if necessary</li><li>• Verify all power and ground connections are secure</li><li>• Ensure remote wire is connected to a switched 12V source from head unit</li></ul>
No Sound	<ul style="list-style-type: none"><li>• No audio input signal</li><li>• Gain set too low</li><li>• Crossover frequency set too low</li></ul>	<ul style="list-style-type: none"><li>• Check RCA or speaker level input connections</li><li>• Increase GAIN knob on remote control</li><li>• Adjust LP FILTER knob to a higher frequency</li></ul>
Distorted Sound	<ul style="list-style-type: none"><li>• Gain set too high</li><li>• Input signal too strong</li><li>• Incorrect phase setting</li></ul>	<ul style="list-style-type: none"><li>• Decrease GAIN knob</li><li>• Reduce volume on head unit</li><li>• Toggle PHASE switch to see which sounds better</li></ul>

If the problem persists after trying these solutions, please contact Alpine customer support or your authorized dealer.

## 8. SPECIFICATIONS

Detailed technical specifications for the Alpine SWE-1080:

Feature	Specification
Model Name	SWE-1080
Speaker Type	Subwoofer
Speaker Size	20 cm (8 inches)
Rated Input Power	100 Watts
Speaker Maximum Output Power	160 Watts



Feature	Specification
Frequency Band	30Hz - 160Hz
Special Feature	Amplifier integrated, Bass Boost
Item Weight	6.09 Kilograms (13.4 pounds)
Product Dimensions (L x W x H)	9.06 x 13.39 x 3.07 inches
Control Method	Wired Remote Control
Power Source	Corded Electric (12V DC)



Figure 8.1: Product Dimensions. This image provides a visual representation of the Alpine SWE-1080's dimensions, indicating its length and width for installation planning.

## 9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Alpine website. Keep your proof of purchase for any warranty claims. You can also visit the Alpine Store on Amazon for more product information and support:[Alpine Store](#)