

Aexit SD-150

Aexit SD-150 Loudspeaker Instruction Manual

Model: SD-150 | Brand: Aexit

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Aexit SD-150 Loudspeaker. Please read this manual thoroughly before use to ensure proper function and longevity of the product. Keep this manual for future reference.

PRODUCT OVERVIEW

Description

The Aexit SD-150 is a compact loudspeaker designed for various applications, including telephone receivers, interphones, and other appliances. It features an ABS housing, two-wire connectivity for convenient wiring, and is built with high-temperature resistant materials. Its design ensures durability and reliable performance.

Key Features

- **Material:** Electronic Part, ABS housing for durability.
- **Wiring:** Black and red 2-wire configuration for straightforward connection.
- **Resistance:** High temperature resistant and high impedance for stable performance.
- **Application:** Suitable for telephone receivers, interphones, and other general appliances.
- **Dimensions:** Compact size for integration into various devices.

Specifications

Specification	Detail
Model	SD-150

Specification	Detail
Working Voltage	DC/AC
Material	Electronic Part, ABS
Net Weight	35g
Frequency Response	1000Hz
Sound Output (10cm)	(94+/-3)dB
Body Diameter	38mm / 1.5"
Overall Size (D*H)	38 x 21mm / 1.5" x 0.8"
Impedance	(150+/-25) Ohm

SETUP AND INSTALLATION

The Aexit SD-150 Loudspeaker is designed for straightforward integration into compatible devices. Follow these steps for proper installation:

- Safety First:** Ensure that the power to the device where the loudspeaker will be installed is completely disconnected before beginning any installation work.
- Identify Mounting Location:** Determine the appropriate mounting location within your device. The loudspeaker has a body diameter of 38mm (1.5 inches) and an overall height of 21mm (0.8 inches).
- Wiring Connection:** The loudspeaker features two wire terminals (black and red). Connect these terminals to the corresponding audio output wires of your device. Ensure correct polarity if specified by your device's wiring diagram, although for a passive loudspeaker, reversed polarity typically only affects phase, which may not be critical in all applications.
- Secure Mounting:** Secure the loudspeaker in its designated position. Depending on the application, this may involve using adhesive, a mounting bracket, or a snug fit within a speaker grill.
- Verify Connections:** Double-check all wiring connections to ensure they are secure and correctly aligned.
- Power On:** Once installation is complete and verified, restore power to your device.



Image 1: Bottom view of the Aexit SD-150 Loudspeaker, illustrating the two wire terminals for electrical connection.



Image 2: Top view of the Aexit SD-150 Loudspeaker, showing the speaker grill.

OPERATING INSTRUCTIONS

The Aexit SD-150 Loudspeaker is a passive component and does not require direct user operation. Its function is dependent on the audio signals provided by the device it is integrated into. Once properly installed and connected, the loudspeaker will reproduce sound when an audio signal is sent to it from the host device.

- Ensure the host device is powered on and configured to output audio through the connected loudspeaker.
- Adjust the volume and other audio settings directly on the host device as needed.
- The loudspeaker is designed to operate within its specified impedance and frequency response range. Avoid exceeding the recommended audio power output from the host device to prevent damage.

MAINTENANCE

The Aexit SD-150 Loudspeaker requires minimal maintenance due to its robust construction. Adhering to these simple guidelines will help ensure its longevity:

- **Cleaning:** If the loudspeaker is exposed, gently wipe its surface with a soft, dry cloth to remove dust or debris. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Conditions:** While the loudspeaker is high-temperature resistant, avoid exposing it to extreme moisture or direct water contact, as it is not waterproof.
- **Physical Inspection:** Periodically inspect the wiring connections for any signs of wear, corrosion, or looseness. Ensure the loudspeaker remains securely mounted.
- **Avoid Overload:** Do not drive the loudspeaker with excessive power beyond its impedance rating, as this can lead to distortion or permanent damage.

TROUBLESHOOTING

If you encounter issues with your Aexit SD-150 Loudspeaker, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none"> ◦ Loose or incorrect wiring connection. ◦ Host device not powered on or audio output disabled. ◦ Volume on host device is too low or muted. ◦ Loudspeaker or host device audio circuit failure. 	<ul style="list-style-type: none"> ◦ Check and secure all wiring connections. ◦ Ensure the host device is on and audio output is enabled. ◦ Increase volume on the host device. ◦ Test with another known working loudspeaker or audio source to isolate the issue.
Distorted or Unclear Sound	<ul style="list-style-type: none"> ◦ Input audio signal is too strong (overdriving). ◦ Loose connections or damaged wiring. ◦ Loudspeaker damage. 	<ul style="list-style-type: none"> ◦ Reduce the volume or audio output level from the host device. ◦ Inspect and re-secure wiring. ◦ If distortion persists at normal volumes, the loudspeaker may be damaged and require replacement.
Intermittent Sound	<ul style="list-style-type: none"> ◦ Loose or intermittent wiring connection. ◦ Faulty audio source from host device. 	<ul style="list-style-type: none"> ◦ Check and tighten all wiring connections. ◦ Test the host device with another audio output or component.

If the problem persists after attempting these solutions, it may indicate a more complex issue with the loudspeaker or the host device. Professional assistance may be required.

WARRANTY AND SUPPORT

Specific warranty information for the Aexit SD-150 Loudspeaker is not provided within this manual.

For details regarding warranty coverage, returns, or technical support, please refer to the purchase documentation or contact the retailer or manufacturer directly.

Manufacturer: Aexit

For further assistance, please visit the Aexit official website or contact their customer service department.
