

Speco Technologies SP4AWET

Speco SP4AWET 4-inch Outdoor Speaker with Transformer User Manual

Model: SP4AWET | Brand: Speco Technologies

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Speco SP4AWET 4-inch Outdoor Speaker with Transformer. Designed for outdoor environments, this speaker features a durable, weather-resistant enclosure and a versatile mounting bracket. It includes an integrated transformer for use in 70V/100V constant voltage audio systems, with the option to bypass the transformer for standard 8-ohm low-impedance applications.

Please read this manual thoroughly before installation and use to ensure proper setup and optimal performance.

2. PRODUCT FEATURES

- **Rounded, Stylish Design:** Aesthetically pleasing enclosure suitable for various outdoor settings.
- **Horizontal-Swivel Mounting Bracket:** Allows for flexible positioning and sound direction adjustment.
- **Weather-Resistant Design:** Constructed to withstand outdoor elements, ensuring durability.
- **Integrated Transformer:** Supports 70V/100V constant voltage systems, with an option for 8-ohm bypass.
- **4-inch Woofer:** Provides clear audio output for outdoor applications.

3. SAFETY INFORMATION

- Always disconnect power to the amplifier or audio system before performing any wiring or installation.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- While weather-resistant, it is recommended to install the speaker under cover or in a sheltered location for prolonged lifespan and optimal performance, especially in harsh weather conditions.
- Do not expose the speaker to direct water jets or submersion. This product is not waterproof.
- Consult a qualified electrician or audio technician if you are unsure about any installation steps.
- Keep packaging materials out of reach of children.

4. PACKAGE CONTENTS

Please verify that all items are present in the package:

- One (1) Speco SP4AWET 4-inch Outdoor Speaker
- One (1) Horizontal-swivel mounting bracket
- Mounting hardware (screws, washers, etc.)

5. SETUP AND INSTALLATION

5.1 Choosing a Location

Select a suitable outdoor location that provides the desired sound coverage. Consider mounting the speaker under eaves, on a patio, or in another sheltered area to protect it from direct exposure to heavy rain or extreme weather, which can extend its lifespan.

5.2 Mounting the Speaker

1. Position the horizontal-swivel mounting bracket against the desired mounting surface (wall, ceiling, etc.).
2. Mark the screw holes through the bracket onto the surface.
3. Drill pilot holes if necessary, appropriate for the mounting hardware.
4. Secure the bracket firmly to the surface using the provided mounting hardware. Ensure the bracket is stable and can support the speaker's weight.
5. Attach the speaker to the mounted bracket. The swivel mechanism allows for adjustment of the speaker's angle horizontally. Tighten the adjustment knob once the desired angle is achieved.



This image displays the Speco 4-inch outdoor speaker in black, featuring a protective metal grille on the front and a horizontal-swivel mounting bracket visible on the side. The speaker has a rounded, weather-resistant enclosure, ready for installation.

6. WIRING AND CONNECTION

The Speco SP4AWET speaker is designed for flexible wiring options, supporting both 70V/100V constant voltage systems and standard 8-ohm low-impedance connections. Always ensure the amplifier is turned off before making any connections.

6.1 70V/100V Constant Voltage System Connection

For installations requiring multiple speakers over long distances, connect the speaker to a 70V or 100V amplifier output. The integrated transformer allows you to select different power taps (e.g., 5W, 10W, 20W) to control the speaker's volume output. Refer to the speaker's wiring terminals for specific tap settings.

- Connect the positive (+) terminal of the speaker to the corresponding 70V/100V output terminal on your amplifier.
- Connect the negative (-) terminal of the speaker to the common (COM) terminal on your amplifier.
- Ensure the correct power tap is selected on the speaker for your system's requirements.

6.2 8-Ohm Low-Impedance Connection

If connecting to a standard low-impedance amplifier (e.g., home stereo receiver), you can bypass the internal transformer to operate the speaker at 8 ohms. This typically involves connecting directly to the speaker's driver terminals, bypassing the transformer's input. Consult the speaker's internal wiring diagram or a qualified technician for instructions on bypassing the transformer.

- Carefully open the speaker enclosure to access the internal wiring.
- Locate the transformer and its connections to the speaker driver.
- Disconnect the speaker driver from the transformer and connect it directly to the external input terminals, ensuring an 8-ohm impedance path.
- Connect the positive (+) terminal of the speaker to the positive (+) 8-ohm output terminal on your amplifier.
- Connect the negative (-) terminal of the speaker to the negative (-) 8-ohm output terminal on your amplifier.

Note on Connectivity: This is a passive speaker. The 'Bluetooth' and 'Touch Control' mentioned in some product descriptions refer to the capabilities of compatible source devices (e.g., smartphones, tablets) or the amplifier connected to this speaker, not features of the speaker itself. The speaker receives its audio signal via wired connections from an amplifier.

7. OPERATION

Once the speaker is correctly installed and wired to an appropriate amplifier, operation is straightforward:

1. Ensure all connections are secure.
2. Turn on your amplifier or audio system.
3. Select your desired audio source (e.g., MP3 player, smartphone, television).
4. Adjust the volume on your amplifier to a comfortable listening level.
5. If using a 70V/100V system, ensure the power tap setting on the speaker is appropriate for the desired volume and system load.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Speco SP4AWET speaker, follow these maintenance guidelines:

- **Cleaning:** Wipe the speaker's exterior with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish.
- **Inspection:** Periodically check the mounting bracket and connections for any signs of loosening or corrosion. Tighten screws as needed.
- **Weather Protection:** While weather-resistant, prolonged exposure to extreme weather conditions (e.g., direct heavy rain, snow, intense sunlight) can affect the speaker's lifespan. Consider additional protective measures or repositioning if possible.
- **Avoid Obstructions:** Ensure the speaker grille is free from debris, leaves, or insect nests that could impede sound output.

9. TROUBLESHOOTING

If you encounter issues with your speaker, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	<ul style="list-style-type: none">• Loose or incorrect wiring• Amplifier off or faulty• Incorrect input selection on amplifier• Incorrect transformer tap setting (70V/100V)	<ul style="list-style-type: none">• Check all wiring connections for security and correctness.• Ensure amplifier is powered on and functioning.• Verify the correct audio input is selected on your amplifier.• Adjust the transformer tap setting on the speaker.
Distorted or poor sound quality	<ul style="list-style-type: none">• Incorrect wiring polarity• Overdriven amplifier• Damaged speaker cone• Obstruction on speaker grille	<ul style="list-style-type: none">• Verify positive (+) and negative (-) connections are correct.• Reduce amplifier volume.• Inspect speaker cone for visible damage.• Clear any debris from the speaker grille.
Speaker cuts out intermittently	<ul style="list-style-type: none">• Loose wiring connection• Overheating amplifier	<ul style="list-style-type: none">• Check and secure all wiring connections.• Ensure amplifier has adequate ventilation.

10. SPECIFICATIONS

Feature	Specification
Model Name	SP4AWET
Speaker Type	Outdoor
Woofer Diameter	4 Inches
Mounting Type	Swivel Bracket
Power Source	Corded Electric (via amplifier)
Speaker Maximum Output Power	25 Watts
Frequency Response	74.98 Hz (lower limit)
Audio Output Mode	Single Channel (per speaker)
Color	Black
Product Dimensions (approx.)	30"D x 8"W x 6"H
Item Weight	4.79 pounds

Feature	Specification
UPC	030519999564
Weather Resistance	Weather-resistant (not waterproof)
Compatible Devices	Laptop, MP3 Player, Smartphone, Tablet, Television (via amplifier)

11. WARRANTY AND SUPPORT

11.1 Warranty Information

This Speco SP4AWET speaker is covered by a**Lifetime Warranty**. For specific terms and conditions of the warranty, please refer to the official Speco Technologies warranty documentation or contact Speco Technologies directly.

11.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Speco Technologies customer support. Contact information can typically be found on the official Speco Technologies website or product packaging.