

STUDIOFINIX STU-301B

STUDIOFINIX 3.5-Inch Passive Outdoor Speakers

MODEL: STU-301B

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1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your STUDIOFINIX STU-301B 3.5-inch Passive Outdoor Speakers. These wired, waterproof speakers are designed for versatile use in various indoor and outdoor environments, including marine, patio, poolside, and home applications. Please read these instructions carefully before use to ensure optimal performance and longevity of your speakers.

Product Dimension



Image 1: STUDIOFINIX 3.5-inch Passive Outdoor Speaker (Black)

2. Product Features

The STUDIOFINIX STU-301B speakers offer a range of features designed for durability and sound quality:

- **All-Weather Resistant Coating:** Features corrosion and stain-resistant removable mesh grills. The system is rated as completely waterproof.
- **Marine Grade Speaker System:** Engineered for reliable audio performance on boats, decks, poolside areas, or other outdoor settings.
- **Power Handling:** Each speaker has a 100 watt RMS with 200 watts peak power, providing robust sound output.
- **Sound Engineering:** Equipped with a 1.0-inch superior dome tweeter and a 3.5-inch aluminum injection cone woofer. Includes a bass reflex vent for enhanced bass response.
- **Durable Construction:** Housed in a heavy-duty ABS cabinet with a butyl rubber surround for protection.
- **Easy Installation:** Designed for mounting on support bars, tubing, frames, or walls. Includes mounting brackets and hardware.

- **Wired Connectivity:** Features quick connect/disconnect speaker terminals for straightforward wiring. *Note: These speakers are passive and do not have Bluetooth functionality.*



Image 2: Marine Grade Waterproof Design

3. What's in the Box

Verify that all components are present in the package:

- 3.5 Inch Passive Speakers (x2)
- Speaker Cable (x2)
- Mounting Bracket (x2)
- Installation Hardware



Image 3: Package Contents

4. Specifications

Feature	Detail
Brand	STUDIOFINIX

Feature	Detail
Model Number	STU-301B
Speaker Type	Outdoor
Connectivity Technology	Wired
Power Handling (RMS per speaker)	100 Watts
Peak Power (per speaker)	200 Watts
Frequency Response	80Hz-20kHz
Impedance	4 Ohms
Woofer Diameter	3.5 inches
Tweeter Diameter	1 inch
Enclosure Material	Acrylonitrile Butadiene Styrene (ABS)
Water Resistance Level	Waterproof
Item Dimensions (D x W x H)	4"D x 3.9"W x 4.7"H (per speaker)
Mounting Type	Wall Mount
Specific Uses	Boats, marine environments, decks, poolside areas, indoor/outdoor events
Number of Audio Channels	2 (for the pair)



Image 4: Product Dimensions

5. Setup

5.1 Mounting the Speakers

The STUDIOFINIX STU-301B speakers are designed for flexible mounting in various orientations. Use the included mounting brackets and hardware to secure the speakers to a wall, support bar, or other suitable surface.

- **Horizontal Mounting:** Attach the bracket to the desired surface, then secure the speaker horizontally.

- **Vertical Mounting:** Attach the bracket to the desired surface, then secure the speaker vertically.
- **Corner Mounting:** Position the bracket to allow the speaker to fit snugly into a corner.
- **Ceiling Mounting:** The brackets can also be adapted for ceiling installations.

Ensure the mounting surface is sturdy enough to support the weight of the speakers and that all screws are tightened securely to prevent vibration or accidental detachment.

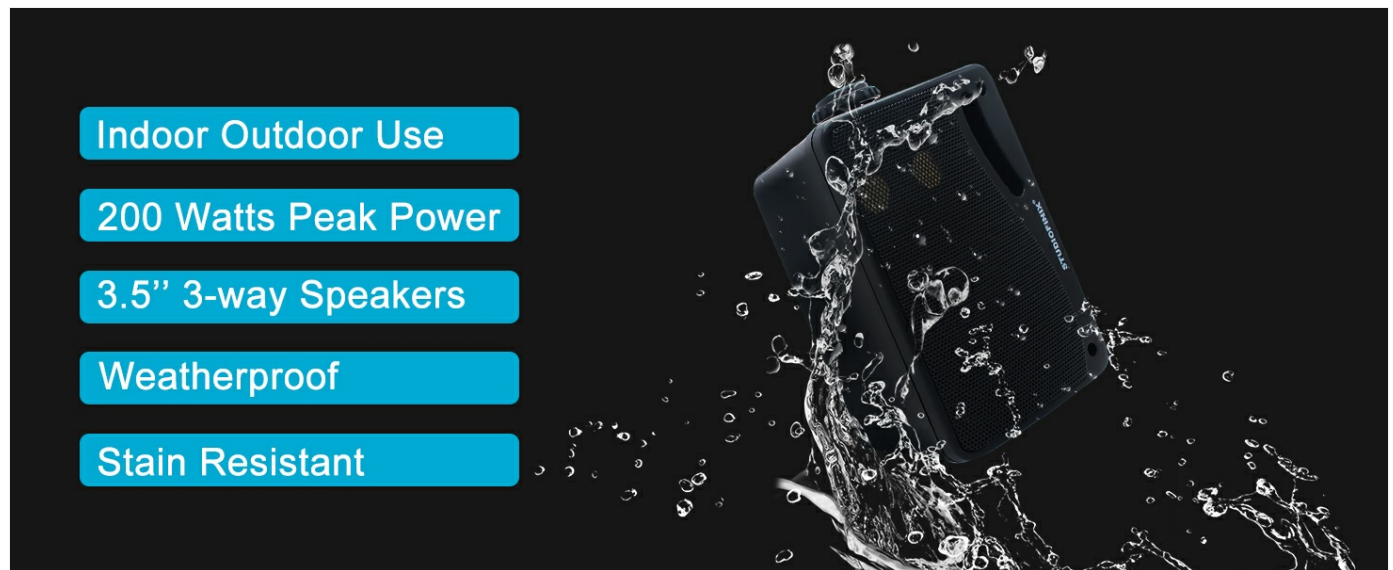


Image 5: Universal Mounting Options

5.2 Wiring Connections

These are passive speakers and require an external amplifier for operation. Connect the speakers to your amplifier using the provided speaker cables. Ensure correct polarity (positive to positive, negative to negative) for optimal sound quality.

1. Identify the positive (+) and negative (-) terminals on both your amplifier and the speakers.
2. Insert the stripped end of one speaker cable into the positive terminal of the speaker and the corresponding positive terminal on your amplifier.
3. Repeat for the negative terminals.
4. Ensure all connections are secure to prevent signal loss or short circuits.

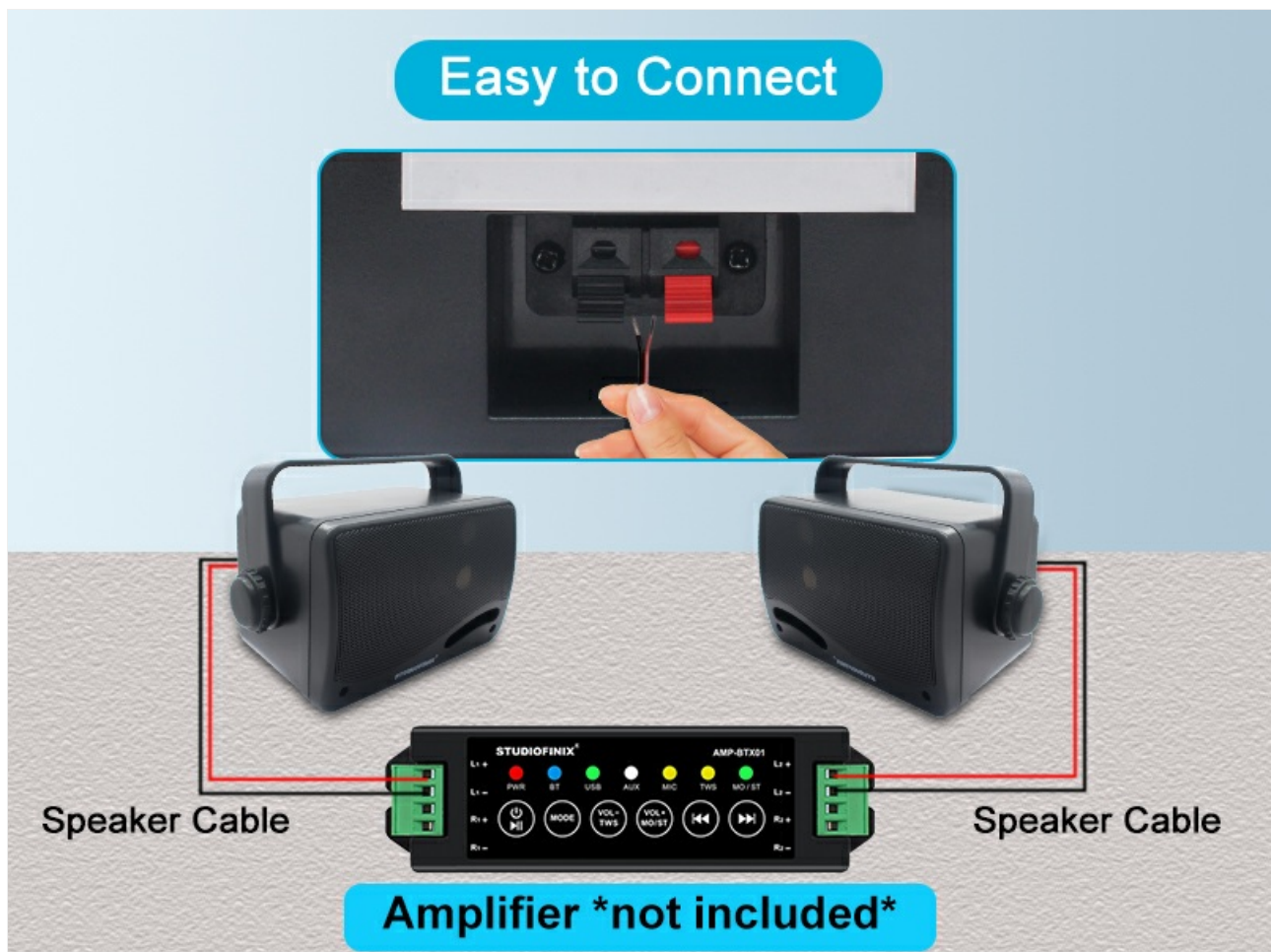


Image 6: Speaker Connection Diagram

5.3 Video Guide for Setup

For a visual guide on setting up your STUDIOFINIX speakers, please refer to the video below:

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Video 1: STUDIOFINIX 3.5 Inch Passive Outdoor Speakers Overview. This video demonstrates the physical features and potential applications of the speakers.

6. Operating Instructions

As passive speakers, the STUDIOFINIX STU-301B units do not have built-in controls or power. Their operation is entirely dependent on the external amplifier and audio source they are connected to.

1. **Power On Amplifier:** Ensure your amplifier is powered on and properly configured for the connected speakers.
2. **Select Audio Source:** Choose your desired audio source (e.g., media player, receiver) connected to the amplifier.
3. **Adjust Volume:** Control the volume and other audio settings (bass, treble, balance) directly from your amplifier or audio source.
4. **Environmental Considerations:** While waterproof, avoid submerging the speakers. Ensure proper ventilation for the amplifier if used in an enclosed space.

7. Maintenance

Proper maintenance will help extend the life and performance of your speakers.

- **Cleaning:** Regularly wipe the speaker cabinets with a soft, damp cloth to remove dust and dirt. For stubborn stains, a mild soap solution can be used, followed by wiping with a clean, damp cloth. Avoid abrasive cleaners or solvents.

- **Grill Care:** The mesh grills are removable for cleaning. Gently remove them and clean as needed. Ensure they are dry before reattaching.
- **Connection Check:** Periodically inspect speaker wire connections for corrosion or looseness, especially in marine or high-humidity environments. Re-tighten connections if necessary.
- **Environmental Protection:** Although waterproof, prolonged exposure to extreme weather conditions (e.g., direct heavy rain, snow, intense sunlight) can affect longevity. Consider covering the speakers or bringing them indoors during severe weather if possible.

8. Troubleshooting

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

Problem	Possible Cause	Solution
No sound from speakers	• Amplifier is off or muted • Incorrect wiring connections • Faulty speaker cable • Incorrect input selected on amplifier	• Ensure amplifier is on and volume is up, not muted. • Check all speaker wire connections for correct polarity and secure fit. • Test with a different speaker cable if available. • Verify the correct audio input is selected on your amplifier.
Distorted or poor sound quality	• Loose wiring connections • Overdriven amplifier • Damaged speaker • Incorrect amplifier settings	• Check and secure all speaker wire connections. • Reduce the volume on your amplifier. Ensure amplifier power matches speaker requirements. • Inspect speaker cones for visible damage. • Adjust bass, treble, and balance settings on your amplifier.
Sound from only one speaker	• Loose connection to one speaker • Balance setting on amplifier • Faulty speaker cable	• Check wiring for the non-working speaker. • Adjust the balance control on your amplifier. • Swap speaker cables to determine if the cable or speaker is faulty.

9. Warranty and Support

Your STUDIOFINIX STU-301B speakers come with a**Limited Warranty**. Please refer to the warranty documentation included with your purchase for specific terms and conditions regarding coverage and duration.

For technical support or warranty claims, please contact STUDIOFINIX customer service through the retailer where the product was purchased or visit the official STUDIOFINIX website for contact information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question