

## STUDIOFINIX ST-AMP-8PBT-BK-US

# STUDIOFINIX Bluetooth 5.4 4-Zone 8-Channel Audio Amplifier Receiver

Model: ST-AMP-8PBT-BK-US

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your STUDIOFINIX Bluetooth 5.4 4-Zone 8-Channel Audio Amplifier Receiver. This amplifier is designed to deliver high-fidelity audio across multiple rooms, offering independent zone control, various input options, and a professional karaoke function. Please read this manual thoroughly before use to ensure proper setup and optimal performance.

## 2. SAFETY INSTRUCTIONS

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- **Power Source:** Use only the provided power adapter. Ensure the voltage matches the requirements specified on the device.
- **Ventilation:** Do not block any ventilation openings. Install in a location with adequate airflow to prevent overheating.
- **Water and Moisture:** Do not expose the unit to rain, moisture, or dripping/splashing liquids. Keep away from water sources.
- **Heat:** Do not place near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Unplug the unit from the power outlet before cleaning. Use a dry, soft cloth only.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Speaker Impedance:** Ensure connected speakers have an impedance of 4-8 ohms. Connecting speakers with lower impedance may damage the amplifier.

## 3. PACKAGE CONTENTS

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

- STUDIOFINIX Amplifier x 1
- Power Adapter x 1
- Black Terminal Connectors x 4
- Instruction Manual x 1



Figure 3.1: Package Contents. The image displays the amplifier unit, its power adapter, four black terminal connectors, and the user manual.

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel Introduction

The front panel provides access to primary controls and input ports for convenient operation.



## STABLE BLUETOOTH 5.4 CONNECTIVITY

It boosts connection stability and sound quality significantly.

Figure 4.1: Front Panel Layout. Key controls include the Volume/Power ON/OFF knob, MIC VOL knob, MIC input, AUX input, USB port, TF Card slot, and Bass/Treble adjustment knobs.

- **VOLUME/PWR ON/OFF:** Controls the master volume and powers the unit on/off.
- **MIC VOL:** Adjusts the volume of the connected microphone.
- **MIC Input:** 3.5mm jack for microphone connection.
- **AUX Input:** 3.5mm jack for auxiliary audio devices.
- **USB Port:** For playing audio files from a USB drive.
- **TF Card Slot:** For playing audio files from a TF (MicroSD) card.
- **BASS/TREBLE:** Adjusts the low and high frequency response of the audio output.

## 4.2 Top Panel Introduction

The top panel features controls for mode selection, playback, and echo effects for karaoke.



Figure 4.2: Top Panel Layout. This view highlights the MODE button, playback controls (Fast Retreat/Previous Song, Play/Pause, Fast Forward/Next Song), and the ECHO button for microphone effects.

- **MODE:** Switches between input sources (Bluetooth, Optical, AUX, LINE IN, USB, TF Card).
- **Playback Controls:** Buttons for previous track, play/pause, and next track when using USB/TF card or Bluetooth.
- **ECHO:** Activates and adjusts the echo effect for the microphone input.
- **Zone Control Buttons (1, 2, 3, 4):** Independently turn on or off each of the four audio zones.

## 4.3 Back Panel Introduction

The back panel contains the main speaker outputs and additional wired input options.



Figure 4.3: Back Panel Layout. This image shows the DC IN port, speaker output terminals for Zones 1-4 (supporting 8 speakers), Optical input, and stereo RCA Line In (R/L) inputs.

- **DC IN:** Power input port for the provided power adapter.
- **Speaker Outputs (ZONE 1-4):** Connect up to 8 speakers (2 per zone) with 4-8 ohm impedance. Red terminals are positive (+), black terminals are negative (-).
- **OPTICAL Input:** Digital audio input for connecting devices like TVs or game consoles.
- **LINE IN (R/L):** Stereo RCA inputs for connecting analog audio sources.

## 5. SETUP

### 5.1 Speaker Connection

The amplifier supports up to 8 speakers, divided into 4 independent zones. Ensure your speakers have an impedance of 4-8 ohms.

## PERFECT MATCH FOR 4 Zone OF 8 SPEAKERS

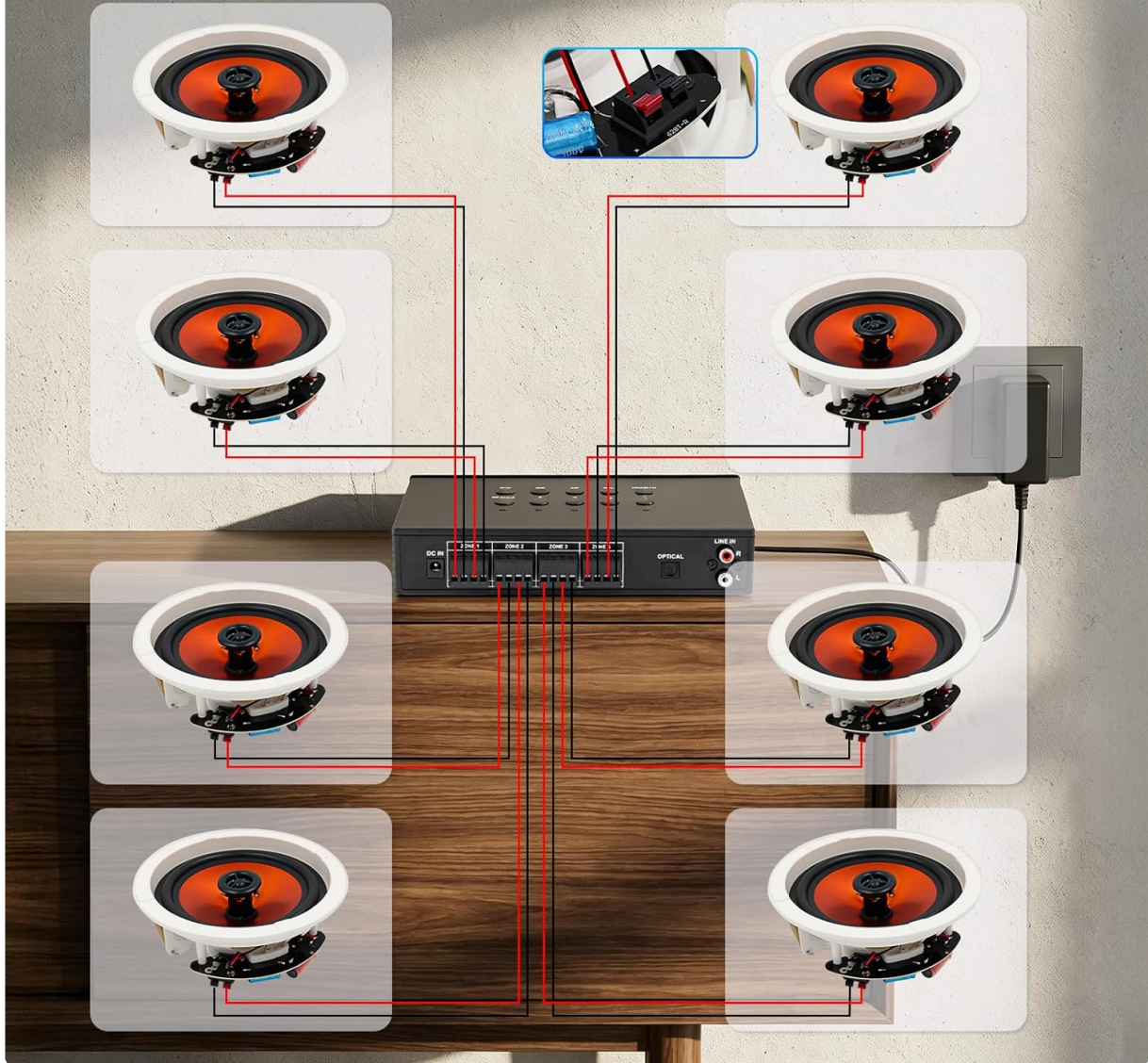


Figure 5.1: Speaker Wiring Diagram. This illustration demonstrates connecting two speakers per zone, with red wires to positive (+) terminals and black wires to negative (-) terminals on the amplifier's back panel.

1. Identify the positive (+) and negative (-) terminals on your speakers.
2. Connect the positive (+) wire from each speaker to the corresponding red (+) terminal on the amplifier for the desired zone.
3. Connect the negative (-) wire from each speaker to the corresponding black (-) terminal on the amplifier for the desired zone.
4. Repeat for all speakers across the 4 zones. Ensure all connections are secure.

### 5.2 Power Connection

After connecting all speakers and audio sources, connect the power adapter.

1. Insert the DC plug of the power adapter into the 'DC IN' port on the back of the amplifier.
2. Plug the power adapter into a suitable wall outlet.

## 6. OPERATING INSTRUCTIONS

### 6.1 Power On/Off and Volume Control

- To power on the amplifier, rotate the **VOLUME/PWR ON/OFF** knob clockwise until the display illuminates.
- To power off, rotate the knob counter-clockwise until it clicks off.
- Adjust the master volume by rotating the **VOLUME/PWR ON/OFF** knob.

## 6.2 Input Source Selection

Press the **MODE** button on the top panel to cycle through available input sources: Bluetooth, Optical, AUX, LINE IN, USB, and TF Card.

## 6.3 Bluetooth Pairing

To connect a Bluetooth device:



Figure 6.1: Bluetooth Connectivity. The image shows a smartphone successfully paired with the amplifier, indicating stable Bluetooth 5.4 connection for wireless audio streaming.

1. Select Bluetooth mode using the **MODE** button. The display will show "BT" or a similar indicator.
2. On your smartphone, tablet, or other Bluetooth-enabled device, enable Bluetooth and search for available devices.
3. Select "STUDIOFINIX" or a similar name from the list to pair.
4. Once paired, you can stream audio wirelessly to the amplifier.

## 6.4 Wired Input Operation

The amplifier supports various wired audio sources:



Figure 6.2: Multiple External Audio Sources. This graphic illustrates the diverse input options available, including Microphone, Bluetooth, USB, AUX, and TF Card, allowing connection of various external devices.

- **Optical Input:** Connect a digital audio cable from your source (e.g., TV, game console) to the OPTICAL port on the back panel. Select Optical mode using the **MODE** button.
- **AUX Input:** Connect a 3.5mm audio cable from your device to the AUX port on the front panel. Select AUX mode.
- **LINE IN:** Connect RCA cables from your analog audio source (e.g., CD player) to the LINE IN (R/L) ports on the back panel. Select LINE IN mode.
- **USB/TF Card:** Insert a USB drive or TF card into the respective slot on the front panel. The amplifier will automatically switch to USB or TF mode and begin playback. Use the playback controls on the top panel to manage tracks.

## 6.5 Karaoke Function

Enjoy karaoke with the built-in microphone input and echo effect.



## Karaoke Ready

Unleash yourself



Figure 6.3: Karaoke Ready. This image depicts individuals enjoying a karaoke session, highlighting the amplifier's capability to connect a microphone for vocal performances.

1. Plug your microphone into the **MIC Input** on the front panel.
2. Adjust the microphone volume using the **MIC VOL** knob.
3. Press the **ECHO** button on the top panel to activate and adjust the echo effect for your vocals.

### 6.6 Independent Zone Control

The amplifier allows you to independently control the power for each of the four speaker zones.



## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected; Power outlet not working; Unit is off.	Ensure power adapter is securely connected and plugged into a live outlet. Turn the VOLUME/PWR ON/OFF knob clockwise.
No sound from speakers	Incorrect input source selected; Speaker wires loose or incorrectly connected; Volume too low; Specific zone turned off.	Press MODE to select the correct input. Check speaker wire connections (positive/negative). Increase master volume. Ensure the relevant zone button is ON.
Bluetooth not connecting	Not in Bluetooth mode; Device too far; Device already connected to another amplifier.	Select Bluetooth mode. Move device closer to the amplifier. Disconnect from other Bluetooth devices and try pairing again.
Microphone not working	Microphone not plugged in; MIC VOL too low.	Ensure microphone is securely plugged into the MIC input. Increase the MIC VOL knob.
USB/TF card not playing	Incorrect mode; Incompatible file format; Corrupted media.	Select USB or TF mode. Ensure audio files are in a supported format (e.g., MP3). Try a different USB drive or TF card.

## 9. SPECIFICATIONS

Feature	Specification
Brand	STUDIOFINIX
Model Number	ST-AMP-8PBT-BK-US
Number of Channels	8
Output Wattage	480 Watts (Total)
Bluetooth Version	5.4
Speaker Impedance	4-8 ohms
Input Options	Optical, AUX, LINE IN, USB, TF Card, MIC, Bluetooth
Frequency Response	±2dB@20-20kHz
Signal-to-Noise Ratio	85dB
Dimensions (L x W x H)	195mm x 40mm x 140mm (Approx.)

## 10. WARRANTY INFORMATION

This STUDIOFINIX amplifier comes with a **1-Year Limited Warranty** from the date of purchase. This warranty covers manufacturing defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. Please retain your proof of purchase for warranty claims.

## 11. CUSTOMER SUPPORT

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For technical assistance, warranty claims, or general inquiries, please contact STUDIOFINIX customer support through the retailer's platform or visit the official STUDIOFINIX website for contact information.

**Online Support:** [www.studiofinix.com](http://www.studiofinix.com)