

STUDIOFINIX ST-HCS628BTX2-US

STUDIOFINIX 6.5 Inch Bluetooth Ceiling Speakers Instruction Manual

Model: ST-HCS628BTX2-US

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your STUDIOFINIX 6.5 Inch Bluetooth Ceiling Speaker System. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

2. SAFETY INFORMATION

To prevent fire, electric shock, or product damage, please observe the following safety precautions:

- Do not expose the amplifier or speakers to rain or moisture.
- Ensure proper ventilation for the amplifier to prevent overheating.
- Only use the provided power adapter. Using an incorrect adapter may cause damage or fire.
- Do not attempt to repair or modify the unit yourself. Refer all servicing to qualified personnel.
- Ensure all wiring connections are secure and correctly polarized before powering on the system.
- Avoid installing speakers in locations with excessive vibration or extreme temperatures.

3. PACKAGE CONTENTS

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

- 4 x 6.5 Inch Ceiling Speakers
- 4 x Speaker Wires
- 1 x 4 Channel Bluetooth Amplifier Box
- 1 x Power Adapter



This image displays all components included in the STUDIOFINIX 6.5 Inch Bluetooth Ceiling Speaker system: four 6.5-inch ceiling speakers, a 4-channel Bluetooth amplifier box, a power adapter, and four sets of speaker wires.

4. SPECIFICATIONS

Feature	Specification
Model Name	ST-HCS628BTX2-US
Speaker Type	In-Ceiling
Special Feature	Waterproof
Recommended Uses	Indoor/Outdoor (Covered Patio)

Unit Count	4 Speakers
Product Dimensions (each speaker)	7.5"D x 7.5"W x 4"H (19cm x 19cm x 10.16cm)
Item Weight (total)	9.77 pounds (4.44 kg)
Maximum Bluetooth Range	30.48 Meters (100 feet)
Speaker Size	6.5 Inches
Manufacturer	STUDIOFINIX
Speaker Maximum Output Power	160 Watts (per speaker)
Connectivity Technology	Bluetooth
Mounting Type	Flush Mount (In-Ceiling)
Material	Plastic Or Metal

5. INSTALLATION GUIDE

5.1 Planning and Preparation

- Choose appropriate locations for your speakers, ensuring they are evenly spaced for optimal sound distribution.
- Ensure there are no obstructions (e.g., electrical wires, plumbing, studs) behind the chosen mounting areas.
- Measure and mark the cutout diameter on the ceiling or wall. The recommended cutout diameter is **6.3 inches (16 cm)**.

High Performance Sound

(150 Watt/Each)MAX Power Output

600W



This diagram illustrates the necessary dimensions for installing the STUDIOFINIX 6.5 inch ceiling speaker. It shows a recommended cutout diameter of 6.3 inches (16 cm), a total speaker diameter of 7.5 inches (19 cm), and a mounting depth of 3.15 inches (8 cm).

5.2 Wiring Connections

1. **Power Off:** Ensure the main power to the installation area is turned off before making any electrical connections.
2. **Prepare Wires:** Strip approximately 0.5 inches (1.2 cm) of insulation from the ends of the speaker wires.
3. **Connect to Speakers:** Connect the speaker wires to the spring-loaded terminals on each speaker. Match the positive (+) wire (typically red or marked) to the red terminal and the negative (-) wire (typically black or unmarked) to the black terminal.



This image shows the spring-loaded terminals on the back of the ceiling speaker, clearly marked for positive (+) and negative (-) wire connections.

4. **Connect to Amplifier:** Connect the other ends of the speaker wires to the corresponding L+ (Left Positive), L- (Left Negative), R+ (Right Positive), and R- (Right Negative) terminals on the 4-channel Bluetooth amplifier box. Ensure correct polarity for each speaker.
5. **Power Adapter:** Connect the provided power adapter to the amplifier's power input.



This diagram demonstrates the connection process for the STUDIOFINIX speaker system. It shows the 4-channel Bluetooth amplifier connected to mains power and four in-ceiling stereo speakers. A mobile device is depicted successfully paired via Bluetooth to

control the amplifier.

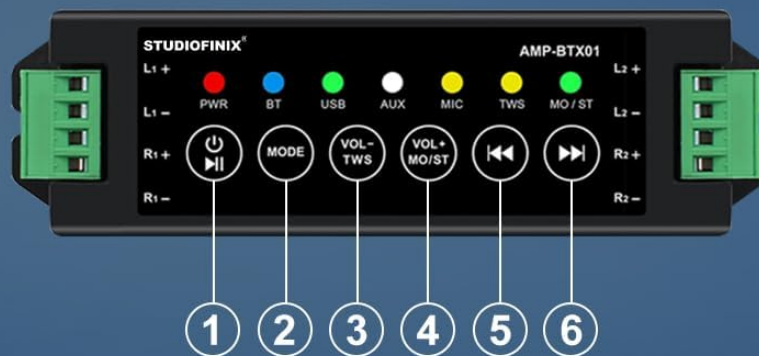
5.3 Mounting Speakers







1. After cutting the appropriate holes, carefully insert each speaker into its cutout.
2. The speakers feature non-slip clamps. Tighten the mounting screws (usually by turning them clockwise) to engage the clamps and secure the speaker firmly in place. Do not overtighten.
3. Once the speaker is secured, attach the magnetic grille. The grille will snap into place.

6. OPERATION GUIDE

6.1 Amplifier Controls

4 Channel Bluetooth Amplifier Box



- ①  Press and hold above 3 seconds to power on/off. Short press to play/pause.
- ②  Press and hold above 3 seconds to restore factory settings. Short Press to switch mode between BLUETOOTH/USB/AUX/MIC.
- ③  Press and hold above 3 seconds to turn on/off TWS mode. Short press to decrease the volume.
- ④  Press and hold above 3 seconds to turn on/off Mono Mode. Short press to increase the volume.
- ⑤  Press and hold above 3 seconds to fast rewind. Short press to the previous song.
- ⑥  Press and hold above 3 seconds to fast forward. Short press to the next song.

This image provides a close-up of the STUDIOFINIX 4-channel Bluetooth amplifier box, highlighting its control buttons and their functions.

- **1. Power Button:** Press and hold for 3 seconds to power on/off. Short press to play/pause audio.
- **2. Mode Button:** Press and hold for 3 seconds to restore factory settings. Short press to switch between

Bluetooth, USB, AUX, and MIC input modes.

- **3. VOL- / TWS Button:** Press and hold for 3 seconds to turn on/off TWS (True Wireless Stereo) mode. Short press to decrease the volume.
- **4. VOL+ / MONO Button:** Press and hold for 3 seconds to turn on/off Mono mode. Short press to increase the volume.
- **5. Previous Track Button:** Press and hold for 3 seconds to fast rewind. Short press to go to the previous song.
- **6. Next Track Button:** Press and hold for 3 seconds to fast forward. Short press to go to the next song.

6.2 Bluetooth Pairing

1. Ensure the amplifier is powered on and in Bluetooth mode (the 'BT' indicator light should be blinking).
2. On your mobile device, navigate to Bluetooth settings and search for available devices.
3. Select 'STUDIOFINIX' (or similar name) from the list to pair.
4. Once connected, the 'BT' indicator light on the amplifier will become solid. You can now stream audio from your device.

6.3 Other Input Modes

- **USB Mode:** Insert a USB drive containing audio files into the USB port on the amplifier. The amplifier will automatically switch to USB mode and begin playback.
- **AUX Mode:** Connect an audio source (e.g., TV, CD player) to the AUX input using a 3.5mm audio cable. Press the 'MODE' button until the 'AUX' indicator light is on.
- **MIC Mode:** Connect a microphone to the MIC input. Press the 'MODE' button until the 'MIC' indicator light is on.

7. MAINTENANCE

7.1 Cleaning

- To clean the speaker grilles, gently remove them by pulling them away from the speaker frame.
- Wipe the grilles and speaker surfaces with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry cloth.
- Do not use harsh chemicals, solvents, or abrasive cleaners, as these can damage the finish or components.
- Ensure the grilles are completely dry before reattaching them.



This image illustrates the process of removing the magnetic grille from the ceiling speaker, demonstrating its easy snap-on/snap-off mechanism for installation or maintenance.

7.2 Grille Painting (Optional)

The speaker grilles are paintable to match your room's decor. Use a fine-mist spray paint and apply thin, even coats. Avoid clogging the grille perforations, as this can affect sound quality.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Amplifier not powered on.• Incorrect input mode selected.• Speaker wires incorrectly connected or loose.• Volume too low.• Bluetooth device not connected.	<ul style="list-style-type: none">• Ensure amplifier is powered on (Power LED lit).• Press 'MODE' button to select the correct input.• Check all speaker wire connections for correct polarity and tightness.• Increase volume on both the amplifier and your audio source.• Re-pair your Bluetooth device.
Bluetooth connection issues	<ul style="list-style-type: none">• Device too far from amplifier.• Interference from other devices.• Amplifier not in pairing mode.	<ul style="list-style-type: none">• Move your device closer to the amplifier.• Turn off other Bluetooth devices nearby.• Ensure amplifier is in Bluetooth mode (BT LED blinking for pairing).• Try forgetting the device on your phone and re-pairing.
Distorted or poor sound quality	<ul style="list-style-type: none">• Volume too high (clipping).• Loose speaker wire connections.• Poor audio source quality.	<ul style="list-style-type: none">• Reduce volume on amplifier and/or audio source.• Check speaker wire connections.• Try a different audio source or file.
Amplifier not responding	<ul style="list-style-type: none">• Power adapter issue.• System malfunction.	<ul style="list-style-type: none">• Check power adapter connection and power outlet.• Unplug the power adapter, wait 30 seconds, then plug it back in.• If issues persist, contact customer support.

9. WARRANTY AND SUPPORT

STUDIOFINIX products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official STUDIOFINIX website. Please have your model number (ST-HCS628BTX2-US) and purchase date available when contacting support.



