

Sunbuck AS-60BU

Sunbuck Home Audio Amplifier Stereo Receiver User Manual

Model: AS-60BU

1. INTRODUCTION

This user manual provides detailed instructions for the operation and maintenance of your Sunbuck AS-60BU Home Audio Amplifier Stereo Receiver. This 2-channel amplifier is designed to enhance your home audio experience, offering versatile input options including Bluetooth 5.0, USB, SD card, AUX, CD, Line-in, and microphone inputs. Please read this manual thoroughly before using the product to ensure proper function and safety.



Figure 1: Sunbuck AS-60BU Amplifier and Remote Control

2. SAFETY INSTRUCTIONS

- Do not expose this appliance to rain or moisture.
- Do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.
- Ensure proper ventilation around the unit. Do not block ventilation openings.
- Connect only to a grounded AC power outlet.
- Do not overload electrical outlets or extension cords.
- Avoid placing the unit near heat sources or in direct sunlight.
- Disconnect power during lightning storms or when unused for long periods.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- Sunbuck AS-60BU Amplifier Receiver
- AC Power Cord
- User Manual (this document)
- Remote Control



Figure 2: What's in the Box

4. PRODUCT OVERVIEW

4.1 Front Panel

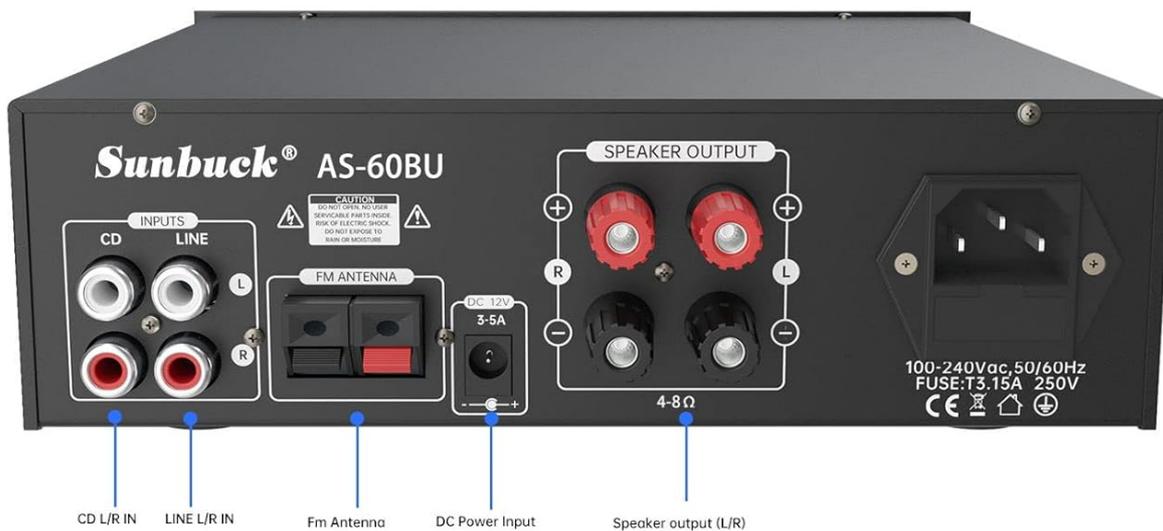


Figure 3: Front and Rear Panel Layout

Front Panel Controls and Indicators

Feature	Description
POWER (ON/OFF)	Main power switch for the unit.
AUX INPUT	3.5mm jack for connecting external audio devices.
Input Selector	Rotary knob to select audio input source: LINE, CD, AUX, MEDIA PLAYER.
BASS Control	Adjusts the low-frequency audio output.
TREBLE Control	Adjusts the high-frequency audio output.
ECHO Control	Adjusts the echo effect for microphone inputs.
M.TONE Control	Adjusts the microphone tone.

Feature	Description
MIC VOLUME Control	Adjusts the volume of the microphone inputs.
MASTER VOLUME	Main volume control for all audio output.
USB/SD/MMC Port	Input for USB flash drives and SD/MMC cards for media playback.
MEDIA PLAYER Display & Buttons	Digital display and controls (MODE, Play/Pause, Previous, Next) for USB/SD/Bluetooth playback.
MIC 1 / MIC 2	6.35mm microphone input jacks.

4.2 Rear Panel

Rear Panel Connections

Feature	Description
CD L/R IN	RCA stereo input for CD players.
LINE L/R IN	RCA stereo input for general line-level audio sources.
FM Antenna	Connection point for the FM radio antenna.
DC Power Input	Power input for the amplifier.
Speaker Output (L/R)	Binding posts for connecting passive speakers (4-16 ohms).

5. SETUP

Follow these steps to set up your Sunbuck AS-60BU amplifier:

- 1. Speaker Connection:** Connect your passive speakers to the "Speaker Output (L/R)" binding posts on the rear panel. Ensure correct polarity (+ to + and - to -) for optimal sound. This amplifier supports speakers with an impedance range of 4 to 16 ohms.
- 2. Audio Source Connection:**
 - For CD players, connect RCA cables from the CD player's output to the "CD L/R IN" on the amplifier.
 - For other line-level devices (e.g., tape drive, tuner), connect RCA cables to the "LINE L/R IN".
 - For devices with a 3.5mm output (e.g., smartphones, tablets), use a 3.5mm audio cable to connect to the "AUX INPUT" on the front panel.
 - For PC connection, use appropriate cables to connect your PC's audio output to either the LINE IN or AUX IN.



Figure 4: Connection Diagram

3. **FM Antenna Connection:** If you plan to use the FM radio function, connect an FM antenna to the "FM Antenna" terminal on the rear panel.
4. **Power Connection:** Ensure the amplifier's POWER switch is in the OFF position. Connect the supplied AC power cord to the "DC Power Input" on the rear panel and then to a suitable wall outlet.

6. OPERATING INSTRUCTIONS

6.1 Power On/Off

To turn on the amplifier, press the **POWER** switch to the ON position. The LED display will illuminate. To turn off, press the **POWER** switch to the OFF position.

6.2 Input Selection

Rotate the **Input Selector** knob on the front panel to choose your desired audio source (LINE, CD, AUX, MEDIA PLAYER). When selecting MEDIA PLAYER, you can then use the MODE button on the front panel or remote to switch between USB, SD, and Bluetooth modes.



Figure 5: Input Selector

6.3 Bluetooth Connectivity

To connect via Bluetooth:

1. Set the **Input Selector** to MEDIA PLAYER.
2. Press the **MODE** button until "BLUETOOTH" or "BT" appears on the display.
3. On your mobile device (smartphone, tablet, laptop), enable Bluetooth and search for available devices.
4. Select "SUNBUCK" or "AS-60BU" from the list to pair.
5. Once paired, you can stream audio wirelessly from your device to the amplifier.

The Bluetooth range is approximately 40+ feet, but can be affected by obstacles and interference.

Bluetooth Connectivity Wireless Range: 40 + ft
Works with All of Today Latest Devices
(Smartphones, Tablets, Laptops, Computers)



Figure 6: Bluetooth Connectivity

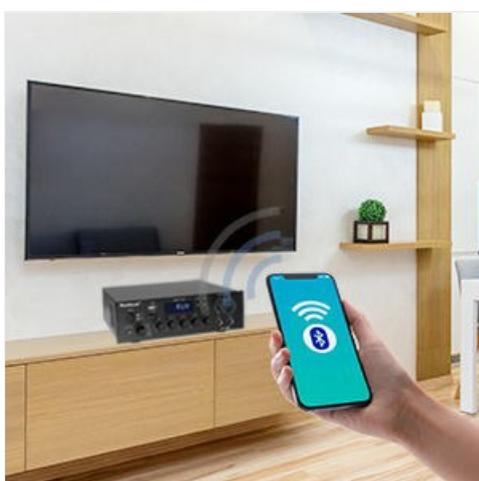


Figure 7: Bluetooth Connection Indicator

6.4 USB/SD Card Playback

To play media from a USB drive or SD/MMC card:

1. Insert your USB flash drive or SD/MMC card into the corresponding port on the front panel.
2. Set the **Input Selector** to MEDIA PLAYER.
3. The amplifier will automatically detect and begin playing supported audio files (MP3, WAV, WMA, APE, FLAC).
4. Use the Play/Pause, Previous, and Next buttons on the front panel or remote to control playback.



Figure 8: USB/SD Card Slots

6.5 Microphone Usage

Connect up to two microphones to the MIC 1 and MIC 2 jacks on the front panel. Adjust the **MIC VOLUME**, **ECHO**, and **M.TONE** controls to achieve your desired sound for karaoke or public address.

Highest Sound Quality

- Perfect for your karaoke
- and home entertainment sound system



Figure 9: Ideal for Karaoke and Home Entertainment

6.6 FM Radio

To use the FM radio:

1. Ensure an FM antenna is connected to the rear panel.
2. Set the **Input Selector** to MEDIA PLAYER.
3. Press the **MODE** button until "FM" appears on the display.
4. Use the Previous/Next buttons to scan for stations. Note that this model cannot fix and save FM stations.

FM mode can save up to 40 stations



Figure 10: FM Mode Display

6.7 Audio Adjustments

Use the **BASS**, **TREBLE**, and **MASTER VOLUME** knobs on the front panel to fine-tune your audio output. The **MASTER VOLUME** controls the overall sound level.



Figure 11: Audio Adjustment Controls

Your browser does not support the video tag.

Video 1: Demonstration of Sunbuck AS-60BU amplifier features and sound quality.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Do not use liquid cleaners or aerosols.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

8. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No sound output.	Incorrect input selected, loose speaker connections, low volume.	Verify input selection, check speaker wiring polarity and tightness, increase MASTER VOLUME.
Bluetooth connection unstable or short range.	Obstacles between device and amplifier, interference, device too far.	Reduce distance between devices, remove obstacles, avoid other wireless devices.
Remote control not working.	Dead batteries, line of sight blocked.	Replace batteries, ensure clear path to amplifier's IR receiver.
Settings not saved after power off.	This is normal behavior for some settings (e.g., input mode).	Re-select desired input mode after powering on.

Problem	Possible Cause	Solution
Distorted audio.	Input signal too high, speaker impedance mismatch, faulty cables.	Reduce source volume, ensure speakers are within 4-16 ohm range, check/replace cables.

9. SPECIFICATIONS

- **Model:** AS-60BU
- **Power Output:** MAX 400W x 2 (RMS 70W x 2)
- **Channels:** 2-Channel
- **Speaker Impedance:** 4-16 ohms
- **Output Impedance:** 0.1 ohms
- **Inputs:** 2 x RCA Audio (CD, Line), 2 x Microphone (6.35mm), USB 2.0, SD Card, Bluetooth 5.0, AUX In (3.5mm), FM Radio
- **Supported Audio Formats (USB/SD):** MP3, WAV, WMA, APE, FLAC
- **Product Dimensions:** 8.27 x 7.68 x 2.44 inches
- **Weight:** 3.24 Pounds
- **Manufacturer:** JS Electronics Limited
- **First Available:** September 9, 2021

10. WARRANTY AND SUPPORT

Sunbuck products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided with your purchase documentation or visit the official Sunbuck website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact the manufacturer, JS Electronics Limited.

