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## Sunbuck AS-22BU

# Sunbuck Mini Amplifier AS-22BU User Manual

Model: AS-22BU | Brand: Sunbuck

## 1. INTRODUCTION

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The Sunbuck Mini Amplifier AS-22BU is a compact and versatile 2-channel stereo amplifier designed to enhance your home audio experience. Despite its small size, it delivers a powerful Max 300Wx2 output (RMS 50Wx2), making it suitable for various indoor and outdoor applications. It features multiple input options including Bluetooth 5.0, RCA, 3.5mm AUX, USB, and FM radio, ensuring broad compatibility with a wide range of audio devices. This manual provides detailed instructions for setup, operation, and maintenance to help you get the most out of your amplifier.

# SUFFICIENT POWER AND ROBUST AUDIO



Image: The Sunbuck Mini Amplifier AS-22BU is designed for versatile use, providing robust audio in various settings, including outdoor gatherings.

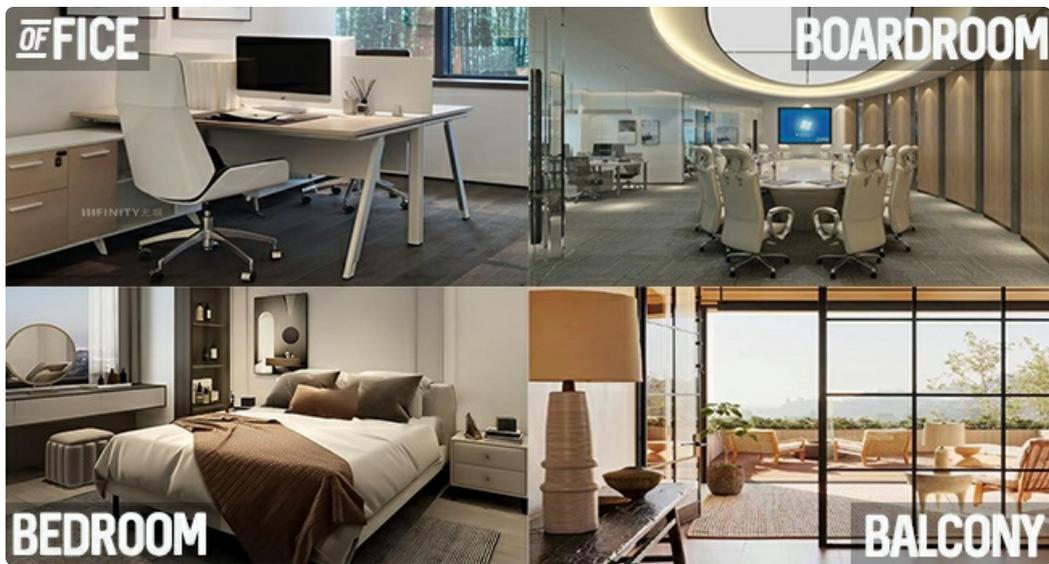


Image: The amplifier's compact design makes it ideal for various indoor environments such as offices, boardrooms, bedrooms, and balconies.



Image: Its robust performance extends to more dynamic settings like garages, outdoor movie nights, bars, and karaoke parties.

## 2. SAFETY INSTRUCTIONS

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- Read all instructions carefully before operating the amplifier.
- Keep the amplifier away from water, moisture, and direct sunlight.
- Do not block ventilation openings. Ensure adequate airflow around the unit.
- Use only the power adapter supplied with the amplifier.
- Do not attempt to repair or modify the unit yourself. Refer all servicing to qualified personnel.
- Disconnect the power plug from the outlet during lightning storms or when unused for long periods.
- Avoid placing heavy objects on top of the amplifier.
- Ensure proper speaker impedance (4-16Ω) to prevent damage to the amplifier.

## 3. PACKAGE CONTENTS

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Please check the package contents to ensure all items are present and in good condition:

- Sunbuck Mini Amplifier AS-22BU

- Remote Controller
- 12V 5A Power Adapter
- FM Antenna
- User Manual (this document)



Image: The amplifier unit along with its essential accessories: remote controller, power adapter, and FM antenna.

## 4. PRODUCT OVERVIEW

### 4.1 Front Panel

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

- **Digital LED Display Panel:** Shows current mode and status.
- **Mode Switch:** Cycles through input modes (Bluetooth, USB, AUX, FM).
- **Previous Song / Play/Pause / Next Song Buttons:** Media playback controls for USB and Bluetooth modes.
- **Volume Adjustment Knob:** Controls the master volume.
- **Bass Control Knob:** Adjusts the bass level.
- **Treble Control Knob:** Adjusts the treble level.
- **USB Charging Port (+5V/2A):** For charging external devices.

- **MP3/USB Input Port:** For USB flash drives containing MP3 files.

## CLEAR PANEL & EASY TO USE



Image: Front panel layout, highlighting the digital LED display, mode switch, media controls, volume, bass, treble knobs, and USB ports.

### 4.2 Rear Panel

The rear panel houses the main connection ports for speakers and audio sources.

- **RCA Audio Input (L/R):** For connecting external audio sources via RCA cables.
- **3.5mm AUX Input:** For connecting external audio sources via a 3.5mm audio cable.
- **FM Antenna Port:** For connecting the included FM antenna.
- **Left Channel Speaker Output (BTL 4-16Ω):** Connects to the left speaker.
- **Right Channel Speaker Output (BTL 4-16Ω):** Connects to the right speaker.
- **DC 12V/3A Power Input:** Connects to the power adapter.

# EASILY FITS YOUR AUDIO SYSTEM



## AUDIO INPUT BY RCA/BLUETOOTH



## 2 CHANNEL SPEAKER OUTPUT

## DC IN



Image: Rear panel connections, showing RCA and AUX inputs, FM antenna port, speaker terminals, and power input.

## 5. SETUP

- 1. Speaker Connection:** Connect your passive speakers to the "SPEAKER" terminals on the rear panel. Ensure correct polarity (+ to + and - to -) for both left and right channels. The amplifier supports speakers with an impedance of 4-16Ω.
- 2. FM Antenna Connection:** Insert the included FM antenna into the "FM.ANT" port on the rear panel for improved radio reception.
- 3. Audio Source Connection:**
  - **RCA Input:** Connect your audio source (e.g., TV, DVD player, CD player) to the "AUDIO INPUT" RCA ports using an RCA cable.
  - **3.5mm AUX Input:** Connect your audio source (e.g., smartphone, tablet, laptop) to the "3.5MM AUX" port using a 3.5mm audio cable.
  - **USB Input:** Insert a USB flash drive containing MP3 audio files into the "MP3 INPUT" USB port on the front

panel.

4. **Power Connection:** Connect the supplied 12V 5A power adapter to the "DC 12V/3A POWER" input on the rear panel, then plug the adapter into a wall outlet.
5. **Power On:** Turn the "VOLUME" knob clockwise to power on the amplifier. The LED display will light up.



Image: The amplifier supports diverse input methods, allowing connection to various audio sources like USB drives, AUX devices, FM radio, Bluetooth, and CD/DVD players.

## 6. OPERATING INSTRUCTIONS

### 6.1 Selecting Input Mode

Press the "MODE" button on the front panel or the remote control to cycle through the available input modes: Bluetooth (BT), USB, AUX, and FM.

### 6.2 Bluetooth Operation

1. Switch the amplifier to "BT" mode using the "MODE" button. The LED display will show "BLUE" or "BT" and flash, indicating it's ready for pairing.
2. Enable Bluetooth on your audio device (smartphone, tablet, laptop).
3. Search for "AS-22" or "AS-22BU" in your device's Bluetooth list and select it to pair.
4. Once paired, the LED display will stop flashing, and you can play audio from your device through the amplifier.
5. *Note: Bluetooth range is approximately 40 feet (12 meters). Signal quality may be affected by obstacles.*



Image: The amplifier offers excellent Bluetooth 5.0 compatibility, allowing seamless wireless audio streaming from various devices to your speakers.



Image: The amplifier is equipped with a Bluetooth 5.0 chip for stable and efficient wireless connectivity.

### 6.3 USB Playback

Insert a USB flash drive into the "MP3 INPUT" port. The amplifier will automatically switch to USB mode and begin playing compatible audio files (MP3 format recommended). Use the Previous/Next Song and Play/Pause buttons to control playback.

### 6.4 AUX/RCA Input

When an audio source is connected to the 3.5mm AUX or RCA input, switch the amplifier to "AUX" or "LINE" mode. The audio from the connected device will be played through the speakers.



Image: The 3.5mm AUX input provides a convenient wired connection for various audio devices.

### 6.5 FM Radio Operation

Switch the amplifier to "FM" mode. The amplifier will automatically scan and store available FM stations. Use the Previous/Next Song buttons to navigate through the stored stations.

### 6.6 Tone and Volume Control

- **Volume Knob:** Rotate clockwise to increase volume, counter-clockwise to decrease.
- **Bass Knob:** Adjusts the low-frequency sound output.
- **Treble Knob:** Adjusts the high-frequency sound output.
- **Remote Control:** The included remote control can be used for remote volume adjustment and mode selection.



Image: Dedicated knobs for Bass and Treble allow for precise tone control to suit your audio preferences.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the ventilation holes are free from dust and debris to prevent overheating.
- **Storage:** If storing the amplifier for an extended period, disconnect it from power and store it in a cool, dry place.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; power outlet issue.	Ensure power adapter is securely connected and plugged into a working outlet. Try a different outlet.
No sound output	Incorrect input mode selected; volume too low; speaker wires loose or incorrect polarity; faulty audio cable.	Select the correct input mode. Increase volume. Check speaker wire connections and polarity. Try a different audio cable.
Bluetooth connection unstable or intermittent	Device too far from amplifier; obstacles blocking signal; interference.	Move Bluetooth device closer to the amplifier (within 40 ft/12m). Remove obstacles. Avoid placing near other wireless devices.
Poor FM reception	Antenna not connected or positioned incorrectly; weak signal in area.	Ensure FM antenna is securely connected. Adjust antenna position for better reception.
USB playback not working	USB drive not formatted correctly; unsupported file format; corrupted files.	Ensure USB drive is formatted to FAT32. Use MP3 files. Try a different USB drive.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	AS-22BU
Output Power	Max 300Wx2 (RMS 50Wx2)
Bluetooth Version	5.0

Feature	Detail
Bluetooth Range	Up to 40 feet / 12 meters
Input Interfaces	RCA (L/R), 3.5mm AUX, USB2.0, FM Radio, Bluetooth
Speaker Impedance	4-16Ω
Power Supply	DC 12V/3A
Product Dimensions	5.12 x 2.95 x 1.38 inches
Item Weight	1.39 pounds
Manufacturer	JS Electronics Limited
Country of Origin	China



Image: The compact dimensions of the amplifier, highlighting its small footprint.

## 10. WARRANTY AND SUPPORT

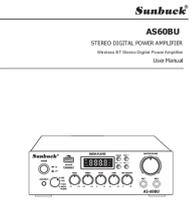
For warranty information or technical support, please refer to the purchase documentation or contact the seller/manufacturer directly. Keep your proof of purchase for any warranty claims.

Manufacturer: JS Electronics Limited

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### Related Documents - AS-22BU

	<p><a href="#">Sunbuck AV-660BT Integrated Bluetooth Amplifier User Manual</a></p> <p>Detailed user manual for the Sunbuck AV-660BT Integrated Bluetooth Amplifier. Learn about front and rear panel functions, remote control, Bluetooth connectivity, wiring, troubleshooting, and warranty information.</p>
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 <p><b>Sunbuck</b> AS60BU STEREO DIGITAL POWER AMPLIFIER Hi-Fi Stereo Digital Power Amplifier User Manual</p>	<p><a href="#">Sunbuck AS60BU Stereo Digital Power Amplifier User Manual</a></p> <p>User manual for the Sunbuck AS60BU Stereo Digital Power Amplifier, detailing features, product layout, remote control functions, installation, impedance matching, specifications, and troubleshooting.</p>
 <p><b>MINICAM24</b> РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ Аудио усилитель звука Sunbuck AV-608BT Bluetooth</p>	<p><a href="#">Sunbuck AV-608BT Bluetooth Audio Amplifier User Manual</a></p> <p>Comprehensive user manual for the Sunbuck AV-608BT Bluetooth Hi-Fi 5.0CH Stereo Karaoke Audio Amplifier, covering panel functions, rear panel functions, remote control, Bluetooth connectivity, wiring diagrams, and warranty information.</p>
 <p><b>MINICAM24</b> РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ Аудио усилитель для колонок Sunbuck AS-U336BU Bluetooth с эквалайзером</p>	<p><a href="#">Sunbuck AS-U336BU Bluetooth Amplifier User Manual</a></p> <p>User manual for the Sunbuck AS-U336BU Bluetooth audio amplifier with equalizer, covering device features, connections, Bluetooth pairing, wiring, and warranty information.</p>
 <p><b>MINICAM24</b> РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ Аудио усилитель для колонок Sunbuck AS-U336BU Bluetooth с эквалайзером</p>	<p><a href="#">Sunbuck AS-U336BU Bluetooth Audio Amplifier User Manual</a></p> <p>User manual for the Sunbuck AS-U336BU Bluetooth audio amplifier with equalizer. This guide covers device overview, remote control functions, Bluetooth connectivity, wiring instructions, and warranty information.</p>
 <p><b>MINICAM24</b> РУКОВОДСТВО ПОЛЬЗОВАТЕЛЯ Аудио усилитель звука Sunbuck AV-298BT Bluetooth</p>	<p><a href="#">Sunbuck AV-298BT Bluetooth Audio Amplifier User Manual</a></p> <p>Comprehensive user manual for the Sunbuck AV-298BT Bluetooth Audio Amplifier, detailing front and rear panel functions, remote control operation, Bluetooth connectivity, speaker wiring, and warranty information. Includes troubleshooting tips.</p>