

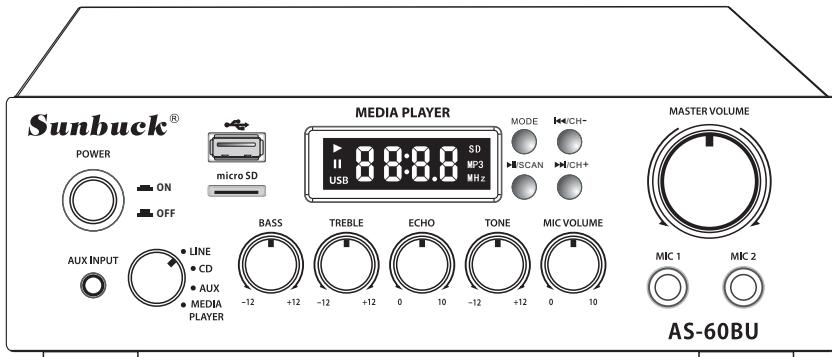
Sunbuck®

AS60BU

STEREO DIGITAL POWER AMPLIFIER

Wireless BT Stereo Digital Power Amplifier

User Manual



Thank you for choosing this **SUNBUCK AS-60BU** stereo amplifier. This compact class D digital amplifier is capable of delivering a powerful 55W(PMPO 300W) max output per channel. With 4 selectable inputs, 2 mic inputs and various controls, this is a great multipurpose amplifier for both domestic and commercial use.

Features:

- .Compact and Powerful Amp System Bluetooth Receiver for Wireless Audio Streaming Ability
- .RCA (L/R) Audio Input Extra AUX input for other sound inputs, such as Car etc.
- .Built-in media player with USB and Micro SD card input and FM receiver
- .Line/CD input. A high output power of 55 W max, One side Perfect for both domestic and commercial use
- .110-230Vac,50/60Hz(IEC)
- .Two Mics input and Volume ,Tone,Echo adjustable for Karaoke
- .Bass/Treble Volume adjustable for Music listening.



WARNING: To prevent fire or shock hazard, do not place the device rain or moisture

Guard against electric shock, non-professionals ,do not open ends.

Note: To avoid electric shock, do not remove the shell cover(or back cover.)
If failure to provide qualified service personnel should repair!

Note: Due to a high pressure machine memory ,non-electronic professionals do not disassemble the case, if the internal electronic components are Non-normal contacts may be a serious electric shock
If such incidents occur, the Company shall not be responsible.

USE of safety

Power:

This device can only use the manual type of power indicated on the

Shock:

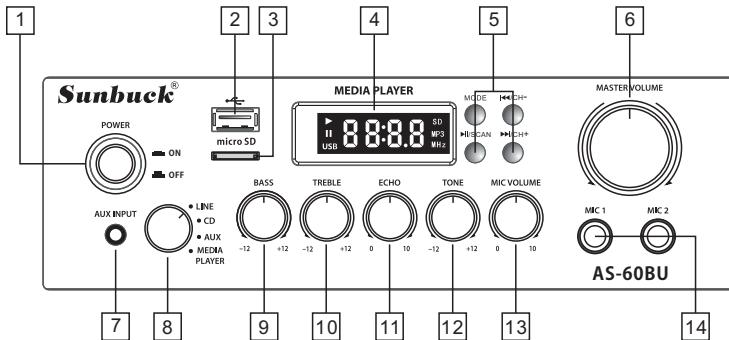
Item must be prevented or water into the machine.

If you fall into the metal or other conductive materials, may cause the device short-circuit internally generated risk of electric shock.

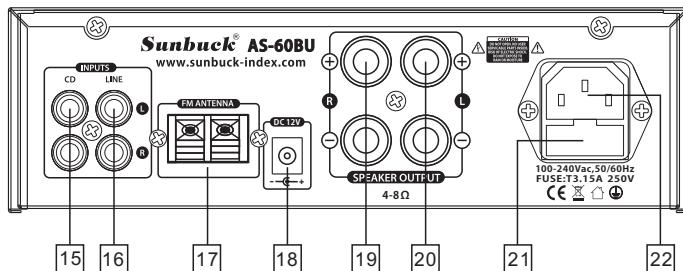
Safety ground wire:

This product is grounded through the power cord grounding conductor, in order to avoid electric shock, and others for your personal safety, use, insert the product and reliable grounding.

Product layout:

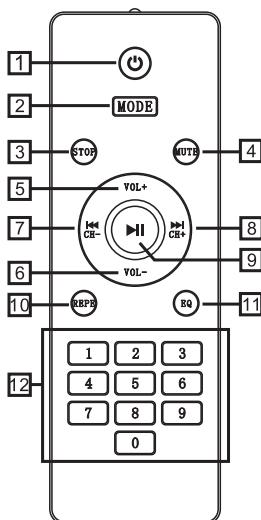


1. Power switch	8. Signal Exchange Knob
2. USB Plug	9. Bass
3. Micro SD Plug	10. Treble
4. Display Screen	11. MIC Echo
5. MP3 Button	12. MIC Tone
6. Master Volume	13. MIC Volume
7. Aux input,	14. MIC1/MIC2 Input



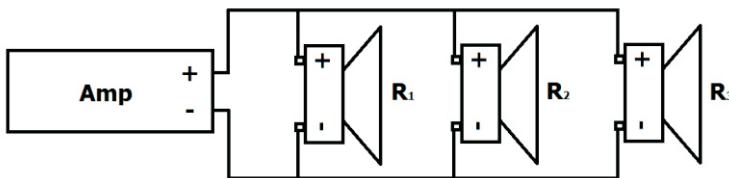
15. CD Input	19. Right Speaker Output
16. LINE Input	20. LEFT Speaker Output
17. FM Antenna Input	21. AC Power Fuse(3A or T3.15A)
18. 12DC Power Input	22. AC100-240V Power Input

Remote control function:

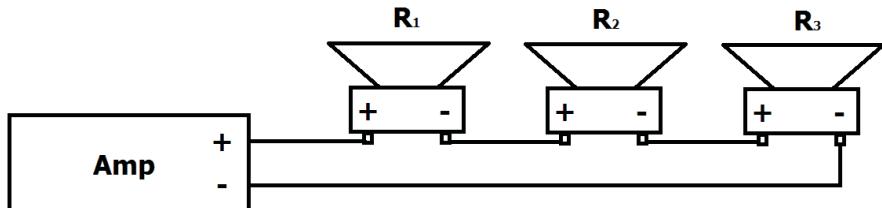


1.	ON/OFF	Media Player Switch
2.	MODE	Mode exchange, player input channel choose
3.	STOP	Stop reset, press button, the playing USB flash disk /SD card will be reset to the first song of the storage device.
4.	MUTE	Mute button. Press this button to (turn off / on) multimedia signal
5.	VOL+	Volume+
6.	VOL-	Volume -
7.	◀/CH-	Short press: turn to USB/micro SD card last song/blue tooth last song/FM last station; Long press: USB/micro SD card songs quick backwards; bluetooth songs quick backwards; FM stations quick backwards search.
8.	▶/CH+	Short press: turn to USB/micro SD card next song/blue tooth next song/FM radio next station; Long press: USB/micro SD card songs quick forwards; blue tooth songs quick forwards; FM stations quick forwards search.
9.	Play/pause	Short press: USB flash disk /micro SD Card status pause play/resume play; Blue tooth mode: pause play /resume play; Long press: Bluetooth mode exit connection.
10.	REPE	Repeat mode switch.
11.	EQ	EQ mode switch(EQ0:NORMAL;EQ1:POP; EQ2:CLASSICAL;EQ3:ROCK;EQ4:JAZZ)
12.	0-9	Number Key

Parallel Connection - $1/R_{\text{total}} = 1/R_1 + 1/R_2 + 1/R_3 \dots$

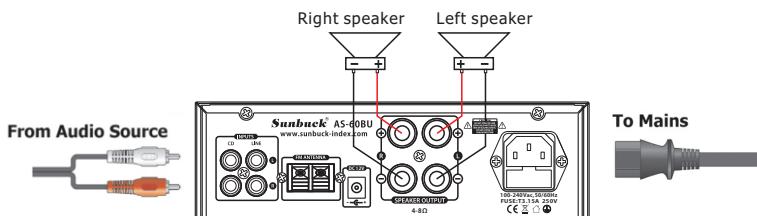


Series Connection - $R_{\text{total}} = R_1 + R_2 + R_3 \dots$



Installation:

Before installation, please ensure power is switched off and mains unplugged from the wall to avoid damage to equipment and installer.



Wire speakers to the amplifier as shown above, ensure the positive and negative terminals are wired correctly. Audio input on the back is through 3 pairs of RCA connectors, ensure left and right signals are correct for stereo output.

Finally insert the IEC plug and connect the unit to the mains.

Before switching on, always ensure the master volume is set at the lowest point to avoid power surge damage to the unit or speakers. Adjust the volume accordingly to an appropriate listening level.

Impedance Matching

AS60-BU is capable of 4-8Ω impedance output if more than one speaker is to be connected to the amplifier per channel. Please ensure the total impedance of the speakers are within the range.

Speakers can be wired in two different ways, in parallel or in series. The total impedance can be worked out by the following formulas for the two different ways of wiring:

Specifications:

Power Supply	100-240Vac, 50/60Hz (IEC)
Output Impedance	4 - 8Ω
Output Power (8Ω)	2 x 35W rms / 2 x 40W max. (EIAJ Standard @ 1kHz 10% THD)
Output Power (4Ω)	2 x 45W rms / 2 x 55W max. (EIAJ Standard @ 1kHz 10% THD)
Frequency response	20Hz-20KHz
SNR(Signal to noise Ratio)	>92dB
Input sensitivity : line	180-450mV
Input sensitivity : mic	18mV
Dimensions	220 x 200 x 68mm
Weight	1.1kg

Troubleshooting

No Power	<p>Check the mains is switched on and the power lead is in good condition and fully inserted into the wall socket.</p> <p>Check IEC plug is fully inserted into the amplifier on the back.</p> <p>Check power switch is switched on on the amplifier.</p> <p>Check if the fuse is faulty . If the fuse blows too frequently, stop use of device immediately and refer to qualified personnel for repair.</p>
No Music output	<p>Check the input connection lead is fully inserted on both amplifier and source.</p> <p>Check the correct input is selected.</p> <p>Check the audio source is playing.</p> <p>Check volume is turn up on both amplifier and audio source.</p> <p>Check speaker cable is not damaged, end striped and connected properly on both amplifier and speakers.</p> <p>Check for any loose strands on the speaker cable that is touching the positive and negative terminal, this will trigger the short circuit protection.</p>
No Mic output	<p>Check Mic is switched on.</p> <p>Check Mic volume is turned up on the amplifier.</p> <p>Check if Mic requires phantom power.</p> <p>Check if Mic is working properly on other device.</p>
Diminishing output	<p>Check speaker polarity is connected correctly.</p> <p>Check audio source volume is turned up.</p> <p>Check impedance of the speaker/s is within the range.</p>
Disrupted output	<p>Check output volume is not too high on both audio source and amplifier.</p> <p>Check for damage on speaker cable and connection leads.</p> <p>Check amplifier , audio device, speaker and connection cables are not near any mains power cable or large inductive appliances such as a fridge.</p>



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life.
The goods must be disposed of according to your local council guidelines.

Sunbuck[®]

AS-60BU

www.sunbuck-index.com

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.