



User Manual

Products:

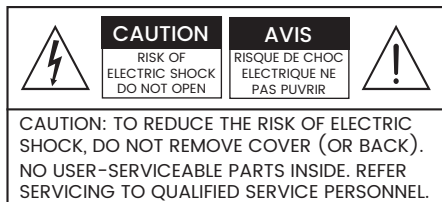
AS2020BT-BK / AS2020BT-W
PC Speakers

DO NOT RETURN THIS PRODUCT TO THE STORE
If you have questions or need assistance, please call
customer service at (800) 243-0409

Contents

- 1. Important Safety Instructions.....3
 - 1.1 Safety 3
 - 1.2 Warning..... 4
- 2. What's in the Box.....5
- 3. Identifying the Parts6
- 4. Using the Speaker6
 - 4.1 Connect to left Speaker 6
 - 4.2 Connect Power..... 6
- 5. Basic Operation7
 - 5.1 Turn ON/OFF7
 - 5.2 Select Modes.....7
 - 5.3 Adjust Volume Level.....7
- 6. USB Operation 7
- 7. AUX IN Operation 7
- 8. Bluetooth® Operation8
- 9. Troubleshooting.....9
- 10. Specifications 10

1. Important Safety Instructions





The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude as to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

1.1 Safety

- 1 **Read these instructions** – All the safety and operating instructions should be read before this product is operated.
- 2 **Keep these instructions** – The safety and operating instructions should be retained for future reference.
- 3 **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- 4 **Follow all instructions** – All operating and usage instructions should be followed.
- 5 **Do not use this apparatus near water** – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool and the like.
- 6 **Clean only with a dry cloth.**
- 7 **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heaters, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12  Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug the apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15  This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.
- 16 The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.
- 17 Minimum distance around the apparatus for sufficient ventilation is 5cm.
- 18 The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc...
- 19 No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 20 Batteries should be recycled or disposed of as per state and local guidelines.
- 21 The use of apparatus in moderate climates.

Caution

- Use of controls or adjustments or performance of procedures other than those described herein, may result in hazardous radiation exposure or other unsafe operation.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus must not be exposed to dripping or splashing and objects filled with liquids, such as vases, must not be placed on apparatus.
- The mains plug/appliance coupler is used as the disconnect device, the disconnect device must remain readily operable.

1.2 Warning

- The battery (batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.
- Before operating this system, check the voltage of this system to see if it is identical to the voltage of your local power supply.
- Do not place this unit close to strong magnetic fields.
- Do not place this unit on the amplifier or receiver.
- If any solid object or liquid falls into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- Do not attempt to clean the unit with chemical solvents as this may damage the finish. Use a clean, dry or slightly damp cloth.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank on the cord.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the equipment.
- The rating label is pasted on the bottom or back of the equipment.



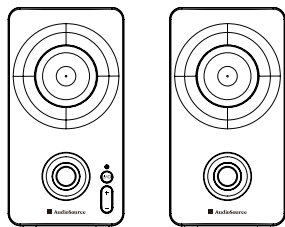
Correct Disposal of this product.
This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment

or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Zhong Shan City Richsound Electronic Industrial Ltd is under license. Other trademarks and trade names are those of their respective owners.

2. What's in the Box



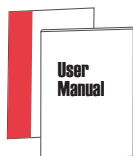
PC Speakers x 2



3.5mm to 3.5mm
AUX Cable x 1



USB to Type-C x 1



Quick Start Guide /
User Manual




Warranty Card

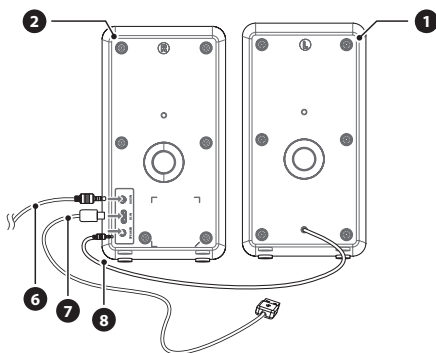
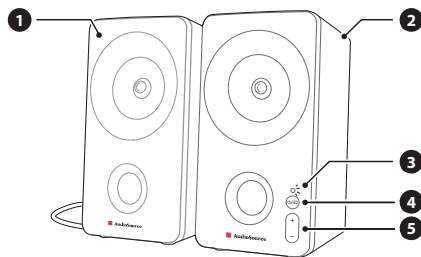
- Power cord quantity and plug type vary by regions.
- Images, illustrations and drawings shown on this User Manual are for reference only, actual product may vary in appearance.

3. Identifying the Part

- 1 Left Speaker
- 2 Right Speaker
- 3 LED Indicators

LED State	Status
Blue	Bluetooth mode
Green	AUX IN mode
Purple	USB mode

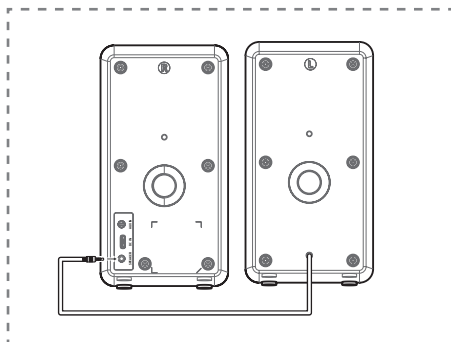
- 4  Button
Turn on or turn off the unit.
Select the play function.
- 5 **VOL-**, **VOL+** Buttons
Decreases/increase the volume.
- 6 **AUX IN** Socket
Connect to an external audio device.
- 7 **DC IN** Socket
Connect to USB cable.
- 8 **SPEAKER** Socket
Connect to left Speaker.



4. Using the Speaker

4.1 Connect to left Speaker

Connect the two speakers as indicated on the illustration.



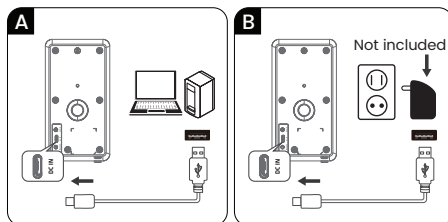
Notes:

- For optimal sound, use the supplied Subwoofer only.
- Connect only speakers with impedance that is the same or higher than the supplied speakers. Refer to the Specifications section of this manual.

4.2 Connect Power

Choose A. or B. to connect to power.

- A Use the USB cable (included) to connect the USB Power Equipment (e.g. PC, TV) to the DC IN socket on the right speaker.
- B Use the USB cable (included) to connect the ($\geq 500\text{mA}$) USB power adapter (not included) to the DC IN socket on the right speaker.





Notes:


- Output voltage of the adaptor is required 5V/2A.
- To enjoy the USB function, please Use for the [A] connect.




5. Basic Operation

5.1 Turn ON/OFF

- Press the  button on the unit to switch the unit ON.
- Press and hold the  button on the unit to switch the unit back to STANDBY mode.
- Disconnect the mains plug from the mains socket if you want to switch the unit off completely.

5.2 Select Modes

- Press the  button on the unit to select Bluetooth or AUX IN or USB mode.
- The LED indicator will show which mode is currently in use.

LED State	Status
 Blue	In Bluetooth mode
 Green	In AUX IN mode
 Purple	In USB mode


5.3 Adjust Volume Level

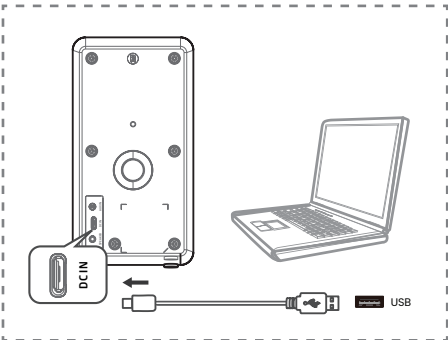
- Press the VOL+/- button to increase/decrease the volume level.

Notes:

While adjusting the volume, the status LED indicator will flash quickly. When the volume has hit maximum/minimum value level, the status LED indicator will flashes.

6. USB Operation

- 1 Use the USB cable (included) to connect the USB Power Equipment (e.g. PC, TV) to the DC IN socket on the right speaker.
- 2 Press the  button to switch USB mode.
- 3 Operate your audio device directly for playback features.
- 4 Press the VOL +/- button to adjust the volume to your desired level.

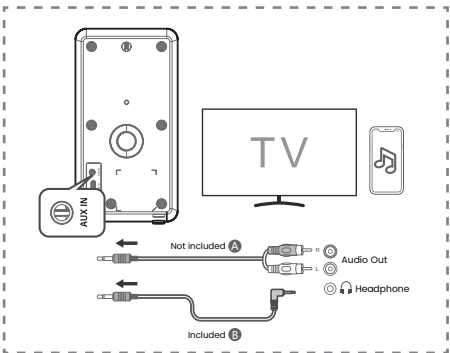



Notes:

- The product supports Win7 and Win7 systems and Mac systems.
- It is forbidden to disassemble the machine in the case of non-professionals.
- If there is no sound output in USB mode, please check if the computer is set to mute or low volume.
- If the computer operating system version is too low or the system configuration changes, you must manually configure the default playback device as the AS2020BT, or activate the new device configuration by switching tracks/replay.
- When using the computer's USB port for power playback, some USB ports are not powered enough, which may cause slight distortion or break when playing at maximum volume. In this case, adjust the volume or replace the connected USB port.
- In order to achieve the best playback effect, users are advised to use < 5V/2A adapter or USB port for power supply.

7. AUX IN Operation

- A Use a RCA to 3.5mm audio cable (not included) to connect the TV's audio output sockets to the AUX IN socket on the unit.
- B Use a 3.5mm to 3.5mm audio cable (included) to connect the TV's or external audio device headphone socket to the AUX IN socket on the unit.




- 1 Press the  button to switch AUX IN mode.
- 2 Operate your audio device directly for playback features.
- 3 Adjust the volume on the connected device to near maximum, then use the right speaker volume buttons to adjust the volume level.

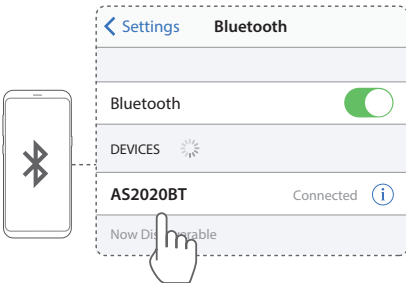
8. Bluetooth® Operation

Note:

- The effective connection range between this unit and a Bluetooth device is approximately 8 meters.
- This unit does not guarantee compatibility with all Bluetooth devices.
- Any obstacles between this unit and the Bluetooth device will shorten the effective operating distance.
- When placing this unit, keep it away from electronic devices that may interfere with the Bluetooth connection.



Pairing with a Bluetooth device for the first time:

- 1 While in On mode, Press the  button on the unit to select Bluetooth mode. The blue light will start flashing.
- 2 Enable Bluetooth on your phone, search for and select "AS2020BT".
- 3 Wait a moment for the unit and phone to pair via Bluetooth. Once pairing is successful, the LED indicator will illuminate with a solid blue light. You can now play music from your Bluetooth device.



If you wish to connect this unit to another Bluetooth device, press and hold the **VOL+** and **VOL-** button on the unit. The blue light will flash, indicating the current connection is disconnected, and the unit is in Bluetooth pairing mode again.

The LED indicator will show the current status.

LED State	Status
 Blue	Connected to a Bluetooth device
 Blinking Blue	Bluetooth pairing

Tips:

If no other Bluetooth device connects within two minutes, the unit will reconnect to the previous Bluetooth device.

When the distance between the Bluetooth device and the unit exceeds the effective connection

range, the Bluetooth connection will be disconnected. To reconnect, place the Bluetooth device within the effective connection range.

Some Bluetooth devices may not automatically reconnect after disconnection. Please reconnect manually if necessary.

If your phone is successfully connected to the unit and you receive a call or notification while playing music, the music will pause or reduce in volume to highlight the notification sound. The speaker will switch to your phone's speaker. If the music does not resume after the call ends, check the Bluetooth connection status / music app playback status, and volume settings on your phone.

Multipoint Connection:

The speaker can connect to two Bluetooth devices simultaneously.

Note:

- Not all Bluetooth devices are guaranteed to pair successfully or maintain stable connections.
- When two devices are connected simultaneously, certain features may be limited or unavailable.
- You can play audio from only one device at a time

Switch between two connected devices:

- 1 Pause audio on your first Bluetooth device.
- 2 Play audio on your second Bluetooth device.

Automatic Switching:

When audio plays on one connected device, the speaker will automatically output that audio

9. Troubleshooting


To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this unit, check the following points before requesting service.

Problem	Solution
No power	<ul style="list-style-type: none">• Ensure that the unit is fully charged or connected with a power source.• Ensure that all the required cables are securely connected.• Ensure that the unit is switched on.
No sound	<ul style="list-style-type: none">• Adjust the volume.• Check the sound input source.
Cannot display some files in USB device	<ul style="list-style-type: none">• The number of folders or files in the USB device has exceeded a certain limit. This phenomenon is not a malfunction.• The formats of these files are not supported.
USB device not supported	<ul style="list-style-type: none">• The USB device is incompatible with the unit. Try another one.
The audio quality is poor after connection with a Bluetooth-enabled device.	<ul style="list-style-type: none">• The Bluetooth reception is poor. Move the device closer to this product or remove any obstacle between them.
I can't find the Bluetooth name of this unit on my Bluetooth device for Bluetooth pairing	<ul style="list-style-type: none">• The Bluetooth function of the device is not enabled. Refer to the user manual of the device for how to enable the function.• This product is already connected with another Bluetooth-enabled device. Disconnect that device and then try again.
The paired device connects and disconnects constantly.	<ul style="list-style-type: none">• The Bluetooth reception is poor. Move the device closer to this product or remove any obstacle between them.• For some devices, Bluetooth connection may be deactivated automatically as a power-saving feature. This does not indicate any malfunction of this product.

10.Specifications

Brand	AudioSource
Model	AS2020BT-BK / AS2020BT-W

Speaker

Power Supply	DC 5V  2A
Power Consumption	5 W < 0.5 W (StandBy)
Dimension (WxHxD)	3.5" x 6.6" x 3.9" (90 x 168 x 99 mm)
Net weight	2.1 lbs (0.95 kg)
Frequency Response	100Hz - 20KHz
Bluetooth version / profiles	V 5.3 (A2DP, AVRCP)
Bluetooth frequency range	2400 MHz ~ 2483.5 MHz
Bluetooth Max. transmitting power	≤ 5 dBm

Amplifier (RMS Output power)

Total	6 W (RMS Power @ 10% THD (W)
Speaker (Left / Right)	3W x 2

- Design and specifications are subject to change without notice.



FCC STATEMENT

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

California Prop 65 Warning :



WARNING: This product can expose you to chemicals, including styrene, which is known to the State of California to cause cancer, and Bisphenol A, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

