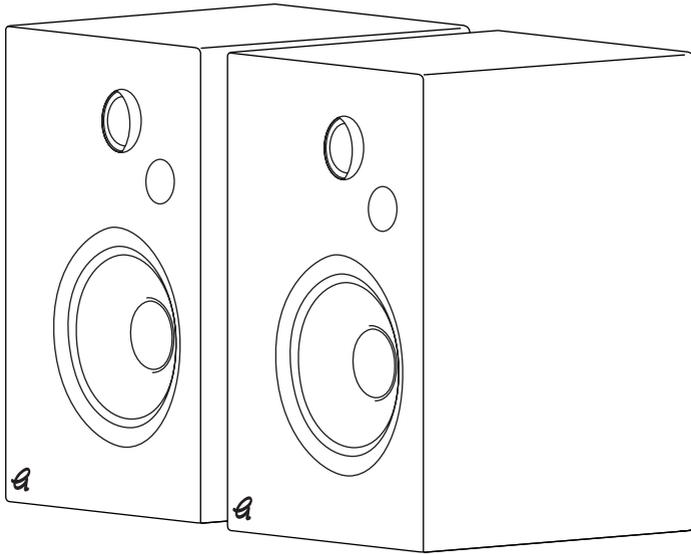


*Gadhouse*



**ROY**  
**BOOKSHELF SPEAKER**  
USER MANUAL

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## INTRODUCTION

Thank you for purchasing our **Roy Bookshelf Speakers**.

To assure maximum satisfaction from this product, please read the information and follow the instructions presented in this manual. Please keep the manual in an accessible location for future reference.

We suggest that you save all the packaging materials for possible future storage, moving or shipping.

This product has been designed for optimal audio reproduction performance in a variety of home entertainment configurations, with accuracy, clarity, and impact that discerning audiophiles listen for.

## SAFETY INFORMATION

### IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarised or grounding plug. A polarised 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. Only use attachments/accessories specified by the manufacturer.
11. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service 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 apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Where a mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
15. Please keep the unit in a good ventilation environment.
16. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on apparatus.
17. The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.



## SAFETY INFORMATION

### FOR U.S. MODELS FEDERAL COMMUNICATIONS COMMISSION (FCC) COMPLIANCE NOTICE

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
- (1) this device must accept any interference received, including interference that may cause undesired operation.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class D (AMP) 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:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### FOR EUROPEAN MODELS DECLARATION OF CONFORMITY



This product conforms to all applicable EU directive requirements. We declare, under our sole responsibility, that this product complies with the standards:

- Safety
- Limits and methods of measurement of radio disturbance characteristics
- Limits for harmonic current emissions
- Limitation of voltage changes, voltage fluctuations and flicker
- EU RoHS Directive, 2011/65/EU

## SPECIFICATION

Model	ROY
Bluetooth Version	Bluetooth V5.1 (aptx)
Power Output	30W x2 (RMS)
Speaker CH	2.0CH
Control Mode	Remote control
Interchange Adaptor	AC 230V/50Hz

## ACCESSORIES INCLUDED

1. 2 unit of Roy Bookshelf Speaker
2. Power cords
3. RCA cable
4. User manual
5. Warranty card

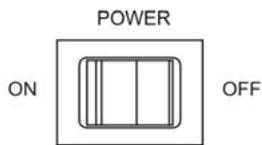
## CONTROL LOCATORS

### POSITIONING

The sound of a speaker is strongly influenced by its positioning. For best results, the speaker should be angled to the listening position. Ideally, there should be a minimum distance of 10 cm behind the device, and 5 cm on all the other sides.

### OPERATION MODES

If the POWER switch on rear side is in the **OFF** position, the device is completely switched off. If the POWER switch is in the **ON** position, the speaker is ready for use. The volume and source can now be changed using the remote control.

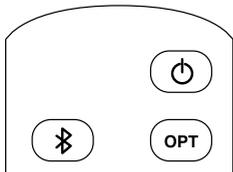


The POWER button on the remote control is used to switch from operation mode to standby and back. The operating status can be recognized using the right LED on the front: If this is glowing brightly: ON. If dark: OFF.

An already established Bluetooth connection to an audio source is retained in standby mode.

### CONNECTION

Make sure that the POWER switch is in the OFF position. The power should only be switched on after all the required connections are in place.



Use the supplied speaker cables to connect the active speaker to the passive speaker. When using other cables, a suitable cross-section of the conductor must be ensured for lengths ranging between 3 - 5 m. We hereby recommend 2.5 mm.

Avoid frayed cable ends since these might cause short-circuits if they come in contact with the back of the speaker, which could in turn damage the amplifier.

### BLUETOOTH STREAMING

In order to use the Bluetooth input, you need an audio source with a Bluetooth transmitter. Both devices must first be "paired" for them to communicate with each other. To do this, select the (BT) (Bluetooth) source on the remote control when the Gadhouse Roy is switched on. The left LED should start flashing. This indicates that the Gadhouse Roy is searching. Now start the search for devices on the Bluetooth menu of your player and connect to the "Gadhouse Roy". The LED will stop blinking and light continuously when the connection is successful.

If the left LED lights continuously after selecting the (BT) (Bluetooth) source, a connection already exists, i.e. the audio source and speaker are already paired and you can enjoy listening as soon as you start your player.

If you wish to use a different player, it is required that you first disconnect the connected device. This can be done ideally by simply switching off Bluetooth on the player. It is however also possible to break the connection by disconnecting the Gadhouse Roy from the main power supply.

Pairing with a player device does not need be repeated until switching off the mains supply, sources once paired are recognized again.

The Bluetooth receiver in the Gadhouse Roy corresponds to the 5.0 standard.

### REMOTE CONTROL

The device comes with a remote control with which the following functions are possible:



Switching the Gadhouse Roy on/off. Standby mode is indicated by dim lighting of the right LED.



Muting, indicated by rapid flashing of the right LED.

**VOL -/ VOL +**

Volume adjustment. The right LED flashes briefly for every adjustment step, pressing and holding the button adjusts the volume faster. When the end of the adjustment range is reached, the LED stops flashing.



Track skip back / forward (only in Bluetooth mode). This function is dependent on the supported protocols of the player and can therefore not be guaranteed. The right LED blinks for every skip.



Play / pause. (Only in Bluetooth mode). This function is dependent on the supported protocols of the player and can therefore not be guaranteed. The right LED blinks for every skip.



Source selection - Bluetooth. Indicated by the left LED. For more information, see "Bluetooth streaming"

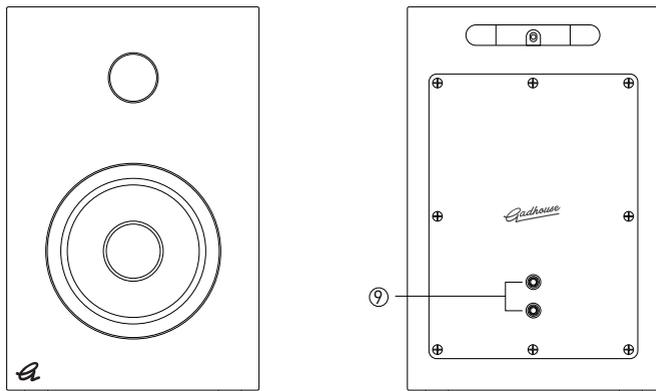
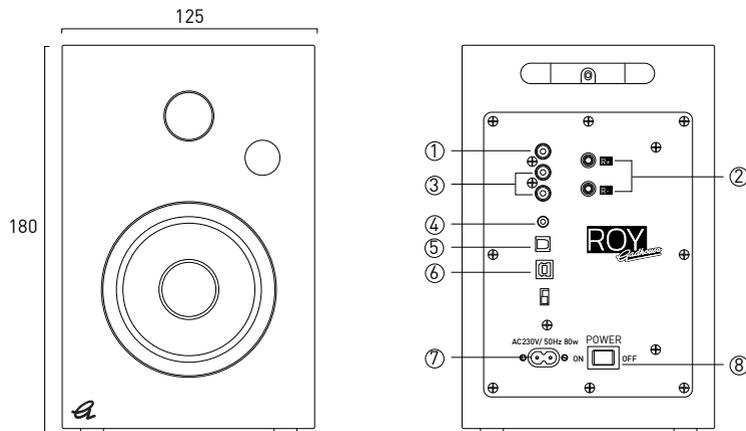
### AUX 1, AUX 2, OPT, USB

Selection buttons for the respective audio input. These are not displayed individually, but the right LED flashes briefly when switched to either of these inputs. If an already active signal is selected, the LED does not flash.

## CONTROLS AND CONNECTIONS

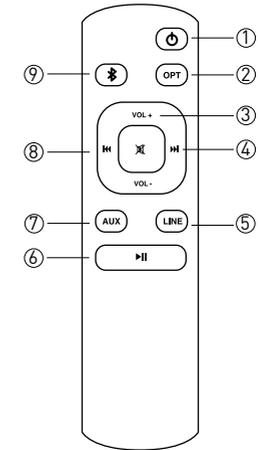
### REAR PANEL VIEW (ROY)

1. Sub out
2. Speaker out 1
3. AUX IN 1 Socket
4. AUX IN 2 Socket
5. Optical
6. USB
7. AC Power Socket
8. Power switch
9. Speaker out 2



### REMOTE CONTROL FOR BTA-250 BLUETOOTH AMPLIFIER

1. On/ Off button
2. Optical source
3. Volume +/-
4. Previous/ Next
5. Line in source
6. Play/ Pause
7. AUX source
8. Mute
9. Bluetooth source



### SET UP

1. Connect the external speaker cables from the passive speaker to the corresponding terminal "SPEAKER L" on the active speaker.
2. Insert the DC plug of the power adaptor to the DC IN jack on the back of the speaker unit. Then plug the power adaptor into a power outlet.
3. Press the "POWER" button on the speaker unit to turn the unit on.

### PAIRING BLUETOOTH ENABLED DEVICES

1. When switching to Bluetooth mode, the blue indicator will flash quickly, indicating that the system has entered pairing mode and will be searchable by your Bluetooth enabled device.
2. Activate your Bluetooth enabled device and select search mode. "Gadhouse Roy" will appear on your Bluetooth device list. Select "Gadhouse Roy" in the pairing list.
3. The blue indicator will stop flashing and remain steadily on if pairing succeeds.

### AUX IN 1/ AUX IN 2

Use the RCA cable to connect the audio output socket of the connected audio device, such as a media player, to the speaker unit's AUDIO L/R (AUX IN 1/AUX IN 2) socket. Press the "MODE" button to select between AUX IN 1 and AUX IN 2.

### USB CONNECTION (INPUT ONLY)

This speaker can play audio files that are stored on a USB stick. Connect your USB stick (not included) to the USB socket for playback.

## TECHNICAL DATA

Product Type	Bookshelf speaker
Function	Bluetooth, AUX IN 1, AUX IN 2, USB , OPTICAL , SUB OUT
Power output	30W+30W
Product dimension (LxWxH)	125 x 170 x 180mm
Power supply	AC 230V/50Hz
Bluetooth Version	V5.1 Aptx

## FAQS

If you encounter problems when using this unit, check the following points before requesting service.

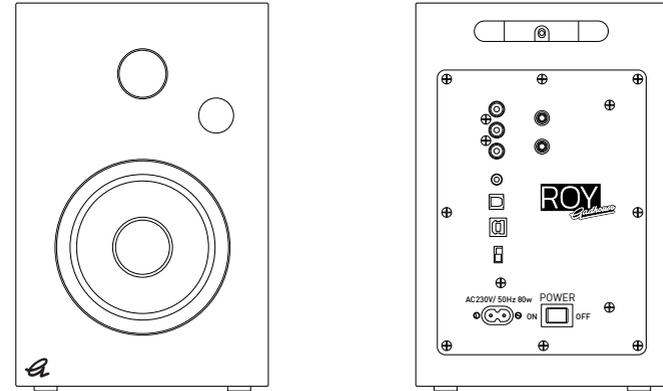
PROBLEM	SOLUTION
No power	<ul style="list-style-type: none"> <li>- Ensure that the AC adaptor of the apparatus is properly connected.</li> <li>- Press the "POWER" button to turn the unit on.</li> </ul>
No response from the unit	Disconnect then reconnect the AC adaptor, then turn the unit on again.
Unable to find the speaker in the Bluetooth device list when pairing	<ul style="list-style-type: none"> <li>- Ensure you have paired the unit with your Bluetooth enabled device.</li> <li>- Ensure Bluetooth functionality is activated on your Bluetooth enabled device.</li> </ul>

## PRODUCT WARNING AND MAINTENANCE

1. Do not drop speakers to avoid damaging internal structure.
2. Do not use this product in a wet environment to avoid water damage to the speaker.
3. Do not use any chemical solvent to wipe the surface of the device.
4. This speaker has a high-sealing design. Do not attempt to disassemble this speaker.

## GETTING STARTED

Roy Bookshelf Speakers is active-type. To connect to an input device, please make sure the speakers are equipped with power supply



### Connecting the Turntable

To connect the turntable to Roy Bookshelf Speakers, plug the speaker cable connectors into RCA out jacks on the back of the turntable. To see how to connect the speakers to a device e.g., turntable, please check our tutorial site; ([www.gadhouse.com/tutorial](http://www.gadhouse.com/tutorial))



## RECOMMENDATIONS

### GENERAL RECOMMENDATIONS

**Height** - To use Roy Bookshelf Speakers as stereo speakers from a fixed listening area, the Speakers should be located at the ear-level of a listener who is seated in the listening location.

**Distance** - It is recommended that the distance between each of the Roy Bookshelf Speakers be shorter than that from the speakers to a listener. For a perfect sound quality, both of the speakers should be tilted inward toward the listener.

**Position** - For the ultimate sound performance, the speakers should be situated in a vertical direction. If they are not in the ear-level of a listener i.e. much higher or lower than recommended, they can be put on their side for off-axis performance.

### Amplifier Considerations

An amplifier should be well and carefully selected. The range of Roy Bookshelf Speakers' impedance is between 4 to 8 ohms. Thus, the amplifier chosen needs to be able to support a 4-ohm load. For an amplifier with a switch, it is required to set to select a 4-ohm compatible operation mode. If an amplifier is not selected or setup properly, the amplifier or the speakers can be damaged.

Amplifiers between 15 to 95 watts per channel can be used with the Roy Bookshelf Speakers along with good care. In case audible distortion occurs, it is suggested to turn the volume down until the distortion is gone. Likewise, when there is audible distortion, it is required that the speaker and amplifier not play for more than a few seconds.

### Usage-Specific Recommendations

#### Bookshelf Speakers

To use the Roy Bookshelf Speakers as bookshelf speakers, the two speakers need to be at the same height as different heights of the speakers can result in degrading sound quality. Try to place the speakers as close to the ear level as possible no matter the listening area is at a seated level or standing level.

#### Stereo Speaker on Stands

Likewise, please make sure that the speakers are positioned at the ear level of a listener when they are used with speaker stands. Therefore, speaker stands with a proper height should be used. To calculate the perfect ear level, measure the height of the listener's ear when seated in a listening area, then subtract 15 cm. For instance, if the listener's ear is 100 cm. from the floor when he/she sits, the appropriate height of speaker stands will be around 85 cm. high.

#### Desktop Near-field Monitor

In addition, the Roy Bookshelf Speakers can be used as desktop/ near-field monitor speakers e.g., next to the side of a display or mixing console. However, the Roy Bookshelf Speakers should not be located close to CRT displays or other magnetic-sensitive equipment since they are not shielded. In case placing the Roy Bookshelf Speakers at the ear-level height is not possible, it is suggested to use Monitor Isolation Pads to tilt the speakers back or to decouple them from the desk level.

## **MAINTENANCE AND CARE**

- Avoid operating your unit under direct sunlight or in hot, humid or dusty places.
- Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

### **Cleaning**

- To prevent fire or shock hazard, disconnect your unit from the power source when cleaning.
- To clean the exterior surface of your product, wipe it using a soft, and dry cloth.

### **Cautions**

- Do not use solvents, chemicals, or sprays.
- Do not allow liquids to spill or objects to drop into any openings.
- Do not use abrasive cloths or polishes, as these will damage the finish of your unit.
- Never allow any water or other liquids to get inside the unit while cleaning.

### **Contacting customer service**

For questions about the Roy Bookshelf Speakers, contact your local store which cooperates with Gadhouse. For contact information and customer service, please directly contact the Roy model's customer service e-mail: [sales@gadhouse.com](mailto:sales@gadhouse.com) or see more information on <http://www.gadhouse.com>.

### **Limited warranty**

This product is covered by a limited warranty. Details of the limited warranty are provided on the product website (<http://www.gadhouse.com>) or contact for further information via Roy model's customer service e-mail: [sales@gadhouse.com](mailto:sales@gadhouse.com)

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