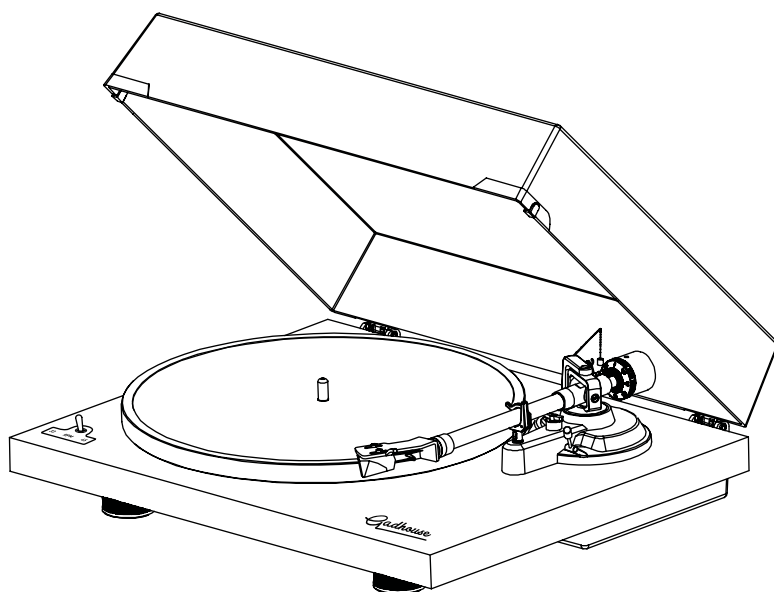


Gadhouse



DUKE

USER MANUAL

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INTRODUCTION

Thank you for purchasing DUKE Turntable.

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.

Caution: To avoid stylus damage, make certain the included stylus guard is in place whenever the turntable is being installed, moved or cleaned.

SAFETY INFORMATION

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



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 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.



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 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 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.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

14. 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.

15. Where a mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

16. Please keep the unit in a good ventilation environment.

17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on apparatus.

18. 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.

19. Unplug this product from wall outlets and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

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
- (2) 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 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: 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

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

Duke's Turntable

Power	AC power adaptor, DC output 12V/500mA Type Belt drive turntable
Power Consumption	5W
Turntable Speed	33 1/3, 45 RPM
Speed Variance	±1%
Wow and Flutter	← 0.15%
Signal to Noise	55dB
Downforce Range	0-2.2g
Effective Tonearm Length	8.6" (218.5mm)
Overhang	0.73"
Turntable Dimensions (W X H X D)	420 X 360 X 125 mm with lid open 420 X 410 X 420 mm
Weight	6.1kgs

Duke's Needle: ORTOFON 2M. RED

Frequency Response	20Hz - 20kHz
Channel Balance	← 2.0dB
Channel Separation	→ 20dB
Output Voltage	4.0mV
Recommended Load Resistance	47kΩ
Amplifier Connection	MM - input
Recommended Tracking Pressure	2.0±0.2g
Weight	6.1g

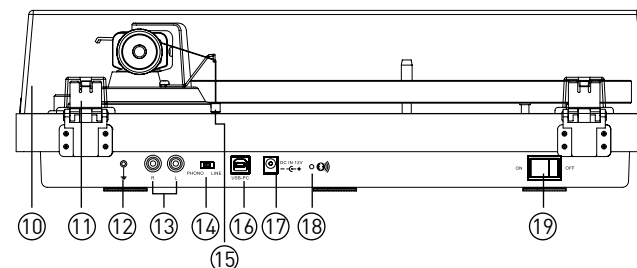
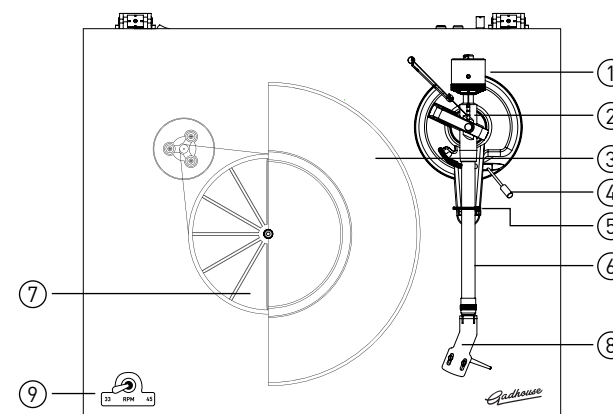
ACCESSORIES INCLUDED

Before throwing away any packaging materials, please check thoroughly and make sure you find the following items that come along with this package:

1. Turntable
2. Turntable Lid
3. Turntable Slip Mat
4. Turntable Platter
5. Tonearm Counterweight
6. 45 RPM adapter
7. Turntable Belt
8. Belt Hook
9. Cartridge Alignment Protractor
10. Anti-skating function
11. Instruction Manual
12. Power Adaptor
13. USB Cable
14. Warranty Card
15. Story Card

* Please retain the original packaging materials for exchange or return purposes

PRODUCT DESCRIPTION



- | | |
|-------------------------|-----------------------------|
| 1. Counterweight | 11. Lid Hinge |
| 2. Anti-skating Stick | 12. Ground Connector |
| 3. Turntable Platter | 13. PHONO & Line Out Jacks |
| 4. Tonearm Lift Lever | 14. PHONO & Line Out Switch |
| 5. Tonearm Rest | 15. Anti-skating Weight |
| 6. Tonearm | 16. USB-PC Port |
| 7. Turntable Hub | 17. AC-DC Power Jack |
| 8. Removeable Headshell | 18. Bluetooth Status |
| 9. 33/45 RPM Selector | 19. Power Switch |
| 10. Lid | |

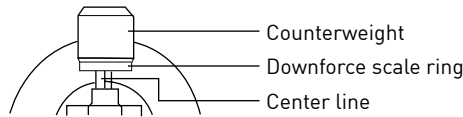
GETTING STARTED

Unpacking and Power Source

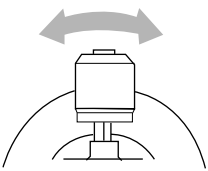
- 1. Place the unit on a flat and level surface. The selected location should be stable and free from vibration.
- 2. Install the turntable lid to the hinges.
- 3. Remove the tie-wrap that is holding the tonearm.
- 4. Put the drive belt around the Turntable Hub, and then use the provided belt hoot to help pull the belt to fit around the slot of motor pulley.
- 5. Place the turntable platter through the turntable spindle.
- 6. Place the slip mat on top of the turntable platter.
- 7. Slide Tonearm Counterweight onto tonearm and twist it lightly onto the rear shaft of the tonearm.
- 8. Adjust the counterweight to set proper stylus pressure.
- 9. Connect the adaptor to the Power Jack of the unit.

Note: Do not plug the AC power adaptor to power outlet before all the assembly is completed. Before turning the power on, make sure again all the connection setting are correct. Always turn off the power when connecting or disconnecting.

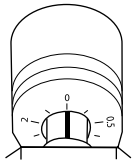
Cartridge Down Force Adjustment



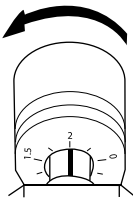
The Counterweight supplied is suitable for cartridges weighing between 6.0-8.0g. Gently push and turn the Counterweight onto the rear of the tonearm (with the scale facing toward the front of the turntable). Remove the cartridge protection cap. Lower the tonearm lift and position the cartridge in the space between tonearm rest and platter.Carefully rotate the Counterweight until the tonearm balances out. The tonearm should return to the balanced position if it is moved up or down. This adjustment must be done carefully.



Once the tonearm is correctly balanced return it to its' rest. Hold the Counterweight without moving it, and gently rotate the Down force Scale ring until the zero is in line with black line on the rear of the tonearm. Check whether the arm still balances out.



Rotate the counterweight counter clockwise (seen from the front) to adjust the down force according to the cartridge manufacturer's recommendations. One mark on the scale represents 0.05g of down force.

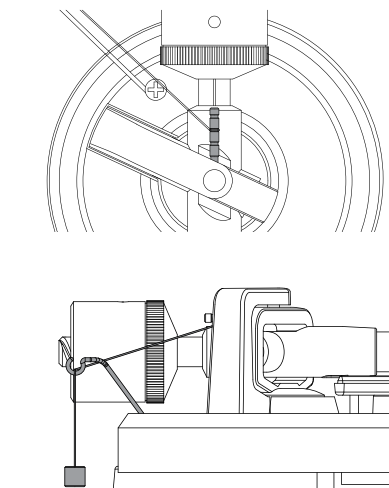


NOTE: The recommended down force for the factory fitted cartridge is 1.6-2.0g. (Model: ORTOFON 2M. RED)

Anti-Skate Force Adjustment

The anti-skating force must be adjusted corresponding to the tracking force as follows:

Tracking Force	Groove in the stick
5-10 mN	1st from bearing ring
10-15 mN	2nd from the bearing ring
15-20 mN	3rd from the bearing ring
20mN and bigger	4th from the bearing ring



1. Slip the loop of the anti-skating weight's thread over the 3rd groove of the stick to set correct anti-skating force for the factory-fitted cartridge.

2. Feed the thread through the loop of the wire hanger.

OPERATION

INPUT

Turntable Function (LP)

1. Press the Power Switch to turn on the power.
2. Place the record on the turntable. Use the 45 RPM Adapter if necessary.
3. Remove the stylus protector from the stylus assembly.
Note: To avoid stylus damage, make certain the included stylus guard is in place whenever the turntable is being moved or cleaned.
4. Open the tonearm clip from left to right.
5. Gently pull up the tonearm from its rest and move it over the record where play is desired to begin. Use the Tonearm Lift Lever to raise the Tonearm Lift and let the tonearm sit on it.
Note: The platter will auto start when the Tonearm leave the its rest
6. Set the Tonearm Lift Lever back to the down position, the tonearm will descend slowly onto the record and begin playback.
7. When the record is finished playing, use the Tonearm Lift Lever to raise the tonearm and then return it to the tonearm rest. To suspend the playback, repeat the same steps.

OUTPUT

1. Bluetooth Transmitter Operation

This turntable has a Bluetooth transmitter to wirelessly send audio to Bluetooth speaker.

1. Power on your Bluetooth speaker and ensure it is in pairing mode.
2. Power on the turntable. BT will auto search when the turntable turns on and the BT LED indicator light will flash.
3. When pairing, the light will flash twice per second and will become solid when paired successfully.
4. To disconnect pairing, power off the turntable to turn off Bluetooth pairing on your Bluetooth speaker.
5. This turntable will connect to the nearest Bluetooth speaker. If after 2 minutes no Bluetooth speaker can be found to pair with, the Bluetooth transmitter will become inactive and the LED will turn off. If you need to connect again, power off the turntable and the speaker then power on again.

Bluetooth Indicator	Bluetooth Status
Flash	Auto searching and pairing
Solid	Paired successfully
Off	Inactive

2. Connection to the Amplifier

This turntable uses a moving magnetic cartridge. Set the PHONO & Line Out Switch on PHONO Position. Connect the phono out cables to the phono input on your amplifier or pre-amplifier (phono stage). Line inputs such as CD, Tuner, Tape, or Video are not suitable for phono inputs. Make sure the amplification of the selected input matches the type of cartridge being used. The factory installed cartridge is 47k ohms/MM-input.

NOTE: If your amplifier does not have an input suitable for phono cartridges, you will need to purchase a separate phono amplifier for

moving magnetic cartridges. This separate phono amplifier will then connect between your turntable and your amplifier.

3. Stereo System Connection

Set the PHONO & Line Out Switch on LINE mode. The RCA PHONO & Line Out Jacks output analog line-level signals and could be connected directly with a pair of active/powered speakers of the appropriate input of your stereo system.

The Red plug connects with the Right channel and the White plug connects with the Left channel.

Note: The RCA Jacks are not designed to be connected directly to the passive/ unpowered speakers on LINE mode. If connected to the passive speakers, there is no sound.

4. USB-Encoding

Visit our tutorial page to see the instruction of both macOS/ Windows operating system

www.gadhouse.com/tutorial or QR code below;



TROUBLESHOOTING GUIDE

To keep the warranty valid, never try to repair the product yourself. If you encounter problems when using this product, check the following points in the table below before requesting service. If the problem remains unsolved, directly contact customer service

e-mail: CS@gadhouse.com

Problem	Troubleshooting guide
There is no power	<ul style="list-style-type: none"> • The turntable is not connected to the power adapter. • No power at the outlet.
The platter doesn't turn although the unit is switched on	<ul style="list-style-type: none"> • The unit is not connected to the main power supply. • No power at the outlet. Drive belt is not installed or has slipped off.
No signal through one or both channels	<ul style="list-style-type: none"> • Phono input not selected on amplifier. • Amplifier not switched on. • Amplifier or speakers muted. • No connection to the speakers. • No connection between turntable and amplifier • Wire leads not connected the cartridge.
Strong hum on phono input	<ul style="list-style-type: none"> • No ground connection from cartridge, arm, or arm cable to amplifier or ground loop. • Turntable is too close to speakers.
Distorted or inconsistent sound from one or both channels	<ul style="list-style-type: none"> • Turntable is connected to wrong input of amplifier. • Needle or cantilever damaged. • Drive belt overstretched or dirty. • Dust on stylus. • MM / MC switch on pre-amplifier set incorrectly. Needle or cantilever damaged.

Problem	Troubleshooting guide
Needle isn't touching the record	<ul style="list-style-type: none"> The screw on the tonearm rest may have loosened during transport. Gently turn this screw clockwise to move the needle stylus closer to the record.
Needle is scratching the record's surface	<ul style="list-style-type: none"> Gently turn the tonearm rest screw anticlockwise to move the needle stylus away from the turntable.

Note: Factory screw tightness is based on the thickness of the included slip mat. If a thinner or thicker 3rd-party slip mat is used, gently adjust the screw as needed following the steps in the last two situations.

CARTRIDGE REPLACEMENT

- Before replacement, put the stylus protector back on the stylus to prevent damage to the stylus during the replacement process.
- Carefully remove the wire leads from the original cartridge.
- Loosen the two screws on the headshell that are securing the cartridge and then remove the original cartridge.
- Mount the new cartridge to the headshell and tighten it lightly. Do not completely tighten the screws at this moment.
- Connect the wire leads to the new cartridge's terminals. The wire lead color are as below:

White	Left channel positive	(L+)
Blue	Left channel negative	(L-)
Red	Right channel positive	(R+)
Green	Right channel negative	(R-)

- Adjust the cartridge's position to make sure it is precisely aligned on the headshell so that the stylus will be tracking the grooves in parallel perfectly. To achieve this, place the included paper cartridge alignment protractor over the turntable spindle, carefully lift the tone arm and place the tip of the stylus on the points marked 130mm and 250mm respectively. Fine tune the cartridge's position on the headshell until the cartridge is perfectly in parallel with the reference lines at both points.
- Tighten the screws completely once the perfect alignment is achieved.

Note: Design and specifications are subject to change without notice.

MAINTENANCE AND CARE

1. Do not touch the stylus tip with your fingers. Avoid bumping the stylus on the turntable mat or a record's edge.
2. Clean the stylus frequently with a soft brush with a back-to-front motion only.
3. Clean the records to get rid of dust or grease with a record cleaning brush and record cleaning solution.
4. Clean the turntable lid and turntable cabinet with a slightly dampened microfiber cloth.

Note: Do not use cleanser other than that contains alcohol, benzene or any other harsh chemicals, which might damage the paint and finish of the turntable.

Your turntable requires little or no regular maintenance. Remove dust with a slightly damp antistatic cloth. Never use a dry cloth, this will create static electricity and attract more dust! Antistatic cleaning agents are available at specialist stores, but must be applied sparingly to avoid damage to rubber parts. It is recommended to install the needle cover before cleaning or maintenance is carried out to avoid damage.

If the turntable is not used over a long period of time, the drive belt should be removed to prevent unequal stretching.

NOTE: Always disconnect the record player from the power supply as a precaution before maintenance!

USEFUL TIPS

The turntable should be positioned on a low-resonance surface such as wood or multiple layer ply board to avoid structural vibrations disturbing playback.

CONTACTING CUSTOMER SERVICE

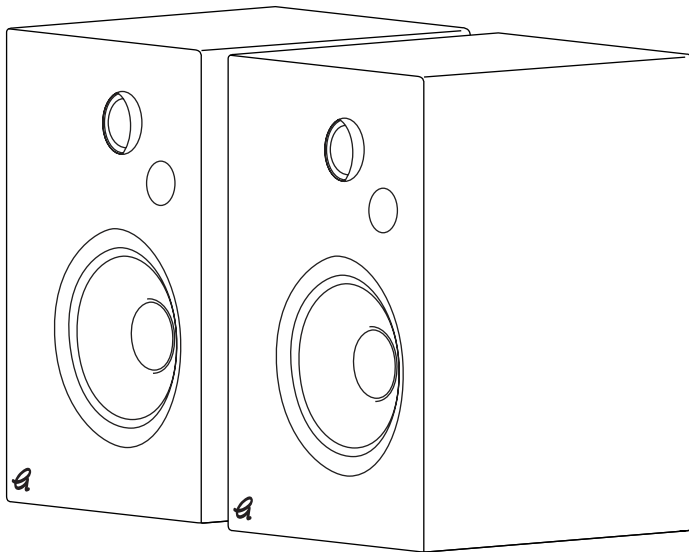
For questions about the Duke turntable, contact your local store which cooperates with Gadhouse. For contact information and customer service, please directly contact the Duke model's customer service e-mail: CS@gadhouse.com or see more information on <http://www.gadhouse.com>.

LIMITED WARRANTY

The Duke turntable 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 Duke model's customer service e-mail: CS@gadhouse.com

Gadhouse

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

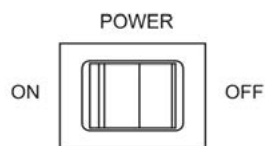
CONTROL LOCATORS

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.

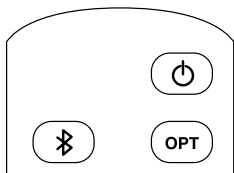


The POWER button on the remote control is used to switch from operation mode to standby and back. The operating status can be recognized using the right LED on the front: If this is glowing brightly: ON. If dark: OFF.

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"

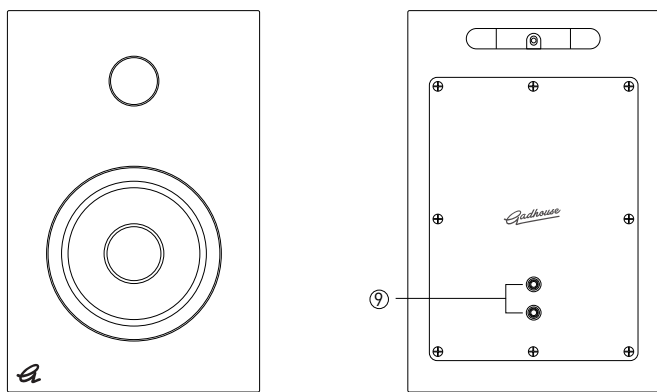
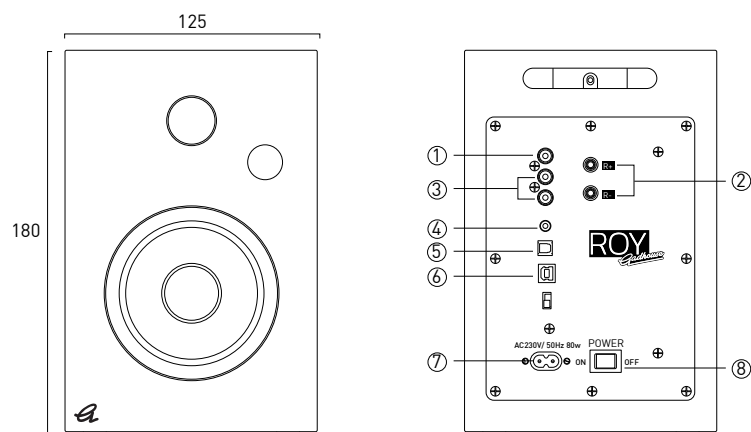
AUX 1, AUX 2, OPT, USB

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

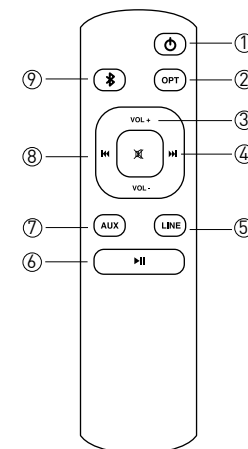
REAR PANEL VIEW (ROY)

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 (L×W×H)	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.

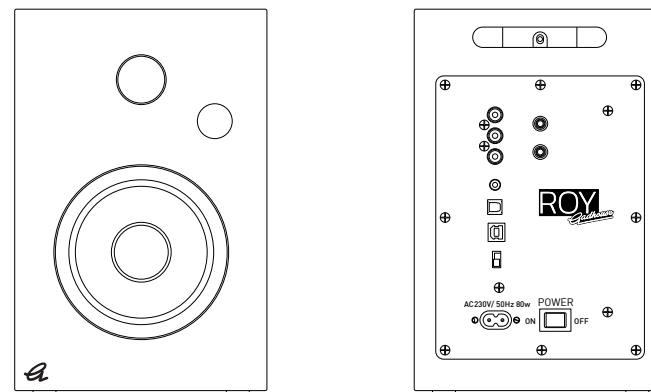
PROBLEM	SOLUTION
No power	<ul style="list-style-type: none"> - Ensure that the AC adaptor of the apparatus is properly connected. - Press the "POWER" button to turn the unit on.
No response from the unit	Disconnect then reconnect the AC adaptor, then turn the unit on again.
Unable to find the speaker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

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)



RECOMMENDATIONS

GENERAL RECOMMENDATIONS

Height - o 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 sounds 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 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

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