FLUANCE®

User Manual

RT82, RT83, RT84, RT85

Reference High Fidelity Vinyl Turntable

Serious Performance™

Fluance.com

Introduction

Fluance believes everyone should experience audio in its truest form, recreating the performance the way the artist intended. Utilizing only superior components and expert audio engineering, their products are a testament to the performance that can be achieved when a passion for music takes center stage. The perfect complement to any audiophile's lifestyle, you'll be enjoying live performances in your home for years to come.

Thank you for your purchase of this Fluance® product.
We hope you enjoy your experience.

Questions?
Give us a chance to help, we're just a click away.

Fluance.com/center

Fluance.com/support

Fluance.com/contact

Don't forget to register your product with us!

Fluance.com/registration

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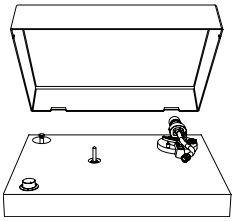
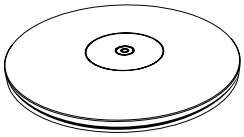
What's Included



Turntable with Dust Cover

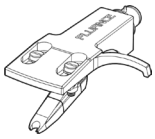


Platter with Rubber Belt

RT82/RT83/RT84 - Metal
RT85 - Acrylic

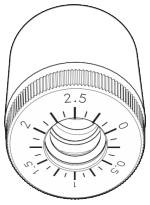
Rubber Turntable Mat

RT82/RT83/RT84 Only

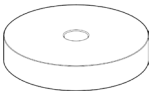


Headshell with Stylus

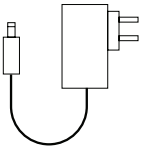
RT82-OM 10
RT83-2M Red
RT84/RT85-2M Blue



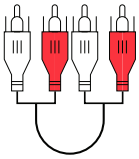
Counterweight



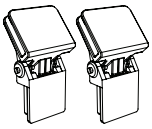
45 Adapter



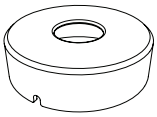
Power Adapter



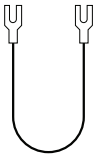
RCA Audio Cable



Dust Cover Hinges

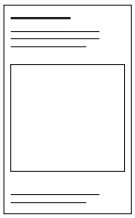


Motor Pulley Cap



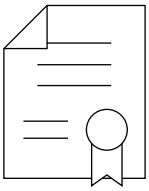
Ground Cable

Bubble Level



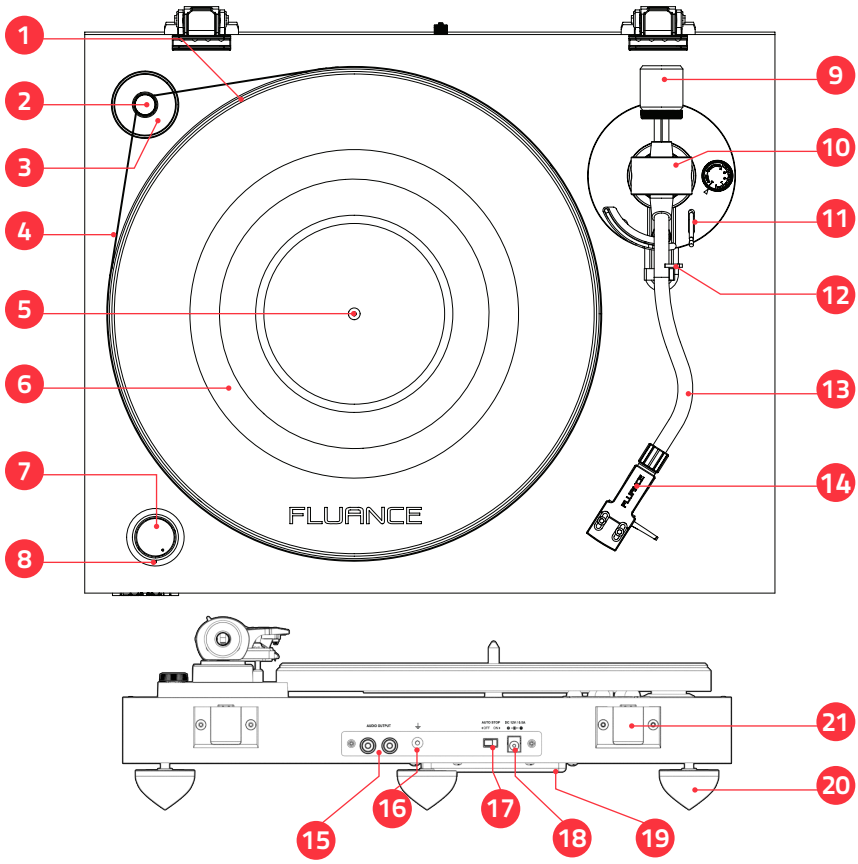
Manual

Lifetime Customer Support



2 Year Warranty

Components and Connections

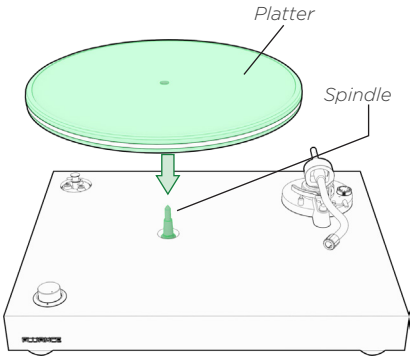


1. Platter
2. Motor Pulley
3. Motor Pulley Cap
4. Rubber Belt
5. Spindle
6. Rubber Turntable Mat (RT82/RT83/RT84 Only)
7. Speed Selection
8. Power LED
9. Counterweight
10. Anti-Skating Control
11. Cueing Lever
12. Tonearm Lock
13. Tonearm
14. Headshell & Stylus
15. RCA Audio Outputs
16. Ground Terminal
17. Auto Stop Switch
18. Power Input
19. Motor Servo
20. Isolation Feet
21. Hinge

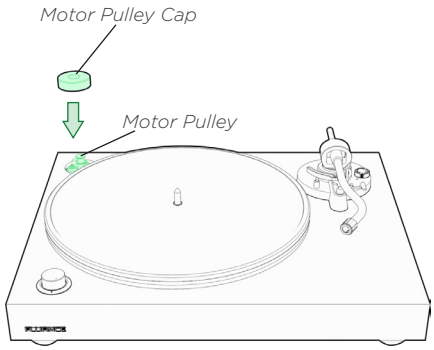
First Time Setup

Step One: Installing the Platter

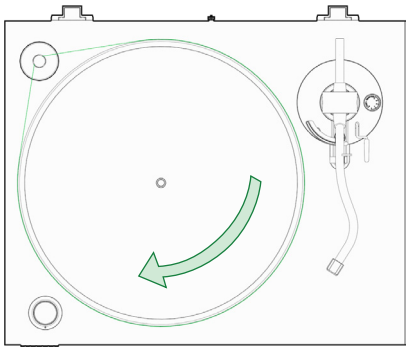
1. Remove the protective packaging and ensure the turntable is placed on a sturdy and level surface. Place the platter onto the spindle located in the middle of the turntable.



2. Place the motor pulley cap over the motor pulley. Ensure the arrows are aligned so that the motor pulley cap is installed properly.

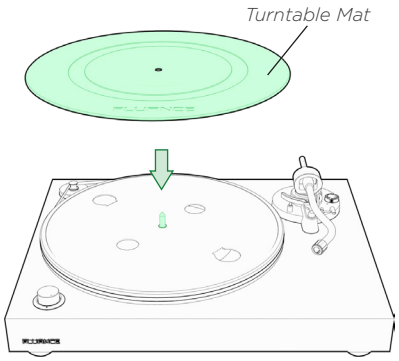


3. Lift the rubber belt and place it around the motor pulley. Rotate the platter several times to ensure the rubber belt is secure and not twisted.



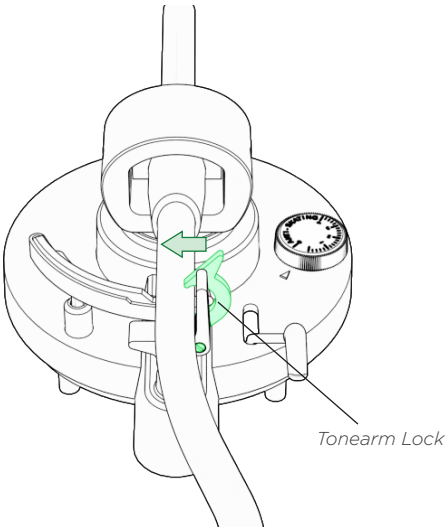
4. RT82/83/84: Place the turntable mat on top of the platter. Make sure the logo side is facing up

Note: RT85-Turntable mat is not included. When using an acrylic platter a turntable mat is not required.

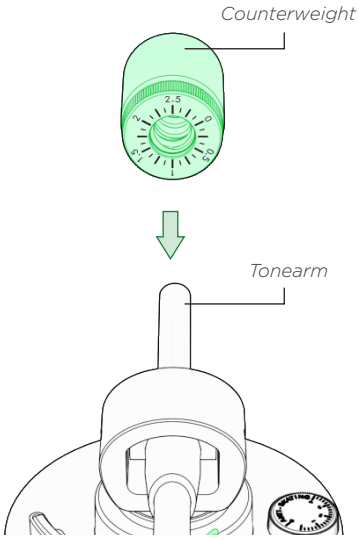


Step Two: Installing the Counterweight

1. Secure the tonearm using the tonearm lock.



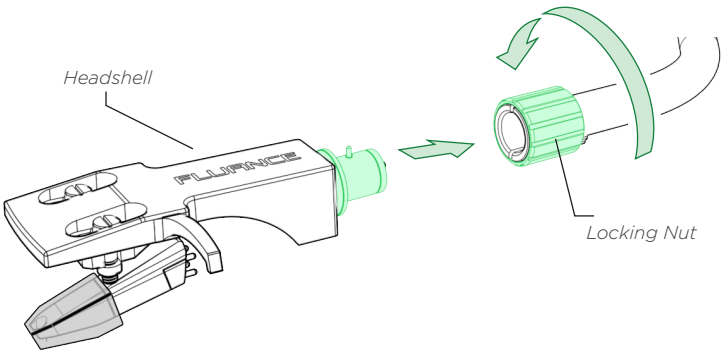
2. Slide the counterweight onto the end of the tonearm with numbers facing forward until it clicks on.



Step Three: Installing the Headshell

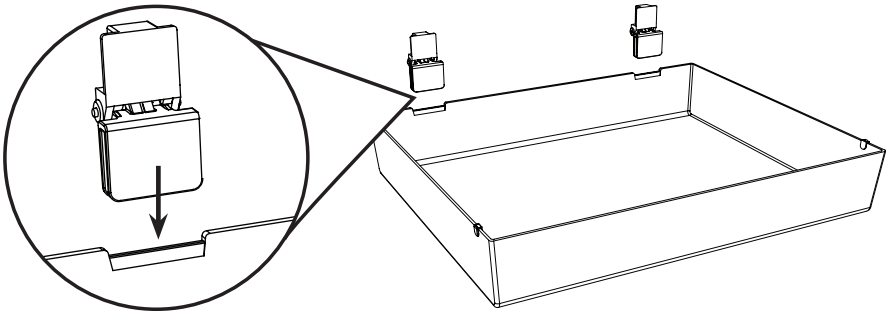
1. Remove the headshell from the protective packaging and insert into the end of the tonearm.

2. Tighten the locking nut until the headshell is secure.

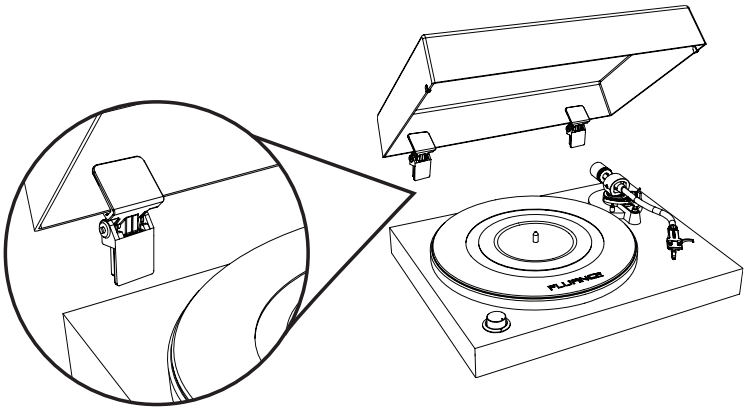


Step Four: Installing the Dust Cover

1. **Important:** Place dust cover on a soft surface to avoid scratching it. Install the hinges on the provided grooves located on the back of the dust cover.
   CAUTION: The hinges are spring loaded and can close with strong force. Use caution when installing.

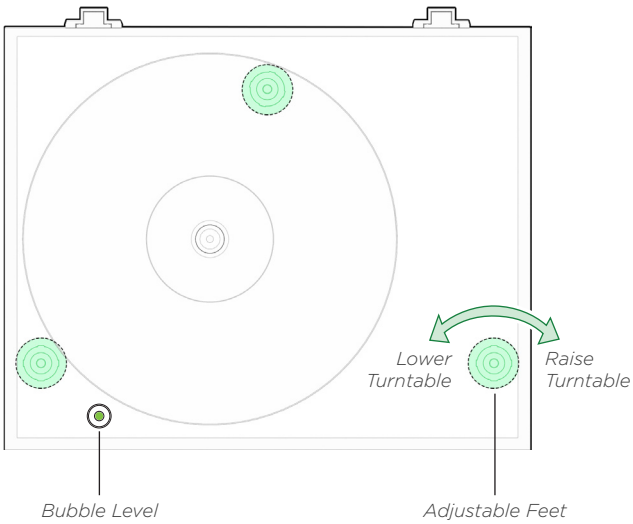


2. Carefully open the hinges on the dust cover and insert into the hinge mounts pre-installed on the back of the turntable.



Step Five: Leveling the Turntable

This turntable features 3 adjustable feet to ensure the turntable is level regardless of the surface the turntable is resting upon.



Use the table below with the included bubble level to adjust the feet and level the turntable.

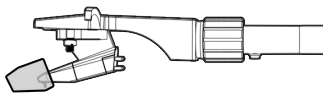
Note: The turntable comes in the fully lowered position.

Bubble Position	Turntable Adjustment
	Turntable is level when the bubble is within the circle
	Lower Back or Raise Front
	Lower Left or Raise Right
	Lower Back or Raise Front and Lower Left or Raise Right

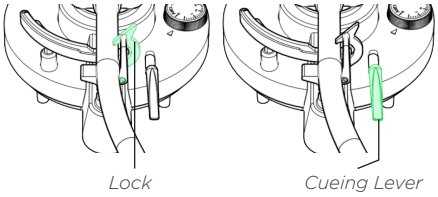
Step Six: Balancing the Tonearm

Important!
Complete all steps for balancing the tonearm. Incorrect tonearm balancing can cause damage to the stylus and to your records. For additional assistance go to www.fluance.com/support to watch a tutorial video for this process.

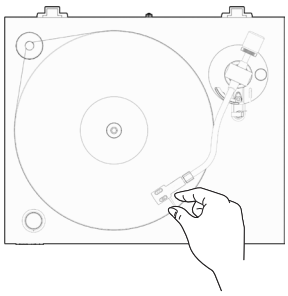
1. Remove the stylus protector.



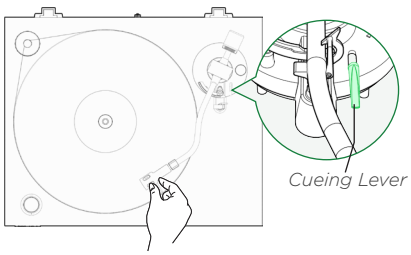
2. Unlock the tonearm and lift the cueing lever.



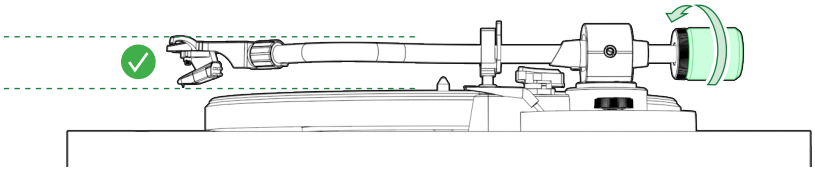
3. Position the tonearm over the platter.



4. Hold the headshell and lower the cueing lever completely. Protect the stylus from touching the platter.

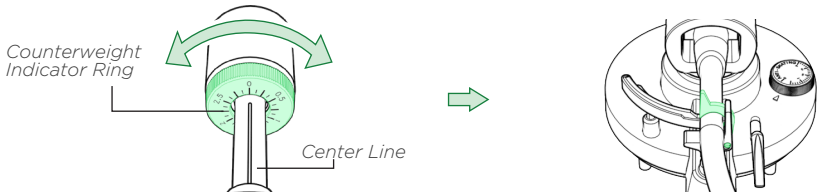


5. With the cueing lever now lowered, turn the entire counterweight until the tonearm is balanced and floating horizontally when headshell is released. Do not allow the stylus to touch the platter.



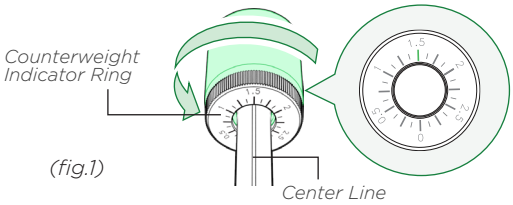
Tip: When balancing the tonearm make sure the cueing lever is down and the anti-skating control is set to 0.

6. Set only the counterweight indicator ring to “0” on the center line while keeping the tonearm balanced then lock the tonearm on the tonearm rest.

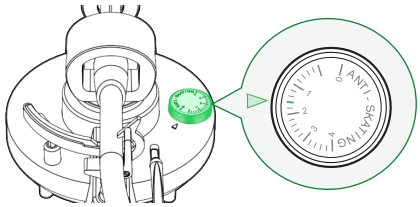


Step Six (Continued): Balancing the Tonearm

7. Use the chart below to determine the recommended tracking force for your cartridge. Rotate the entire counterweight counterclockwise until the indicator ring is set to the correct value on the center line. (fig.1)
8. Set the anti-skating control value to match the recommended tracking force. (fig.2)



(fig.1)



(fig.2)

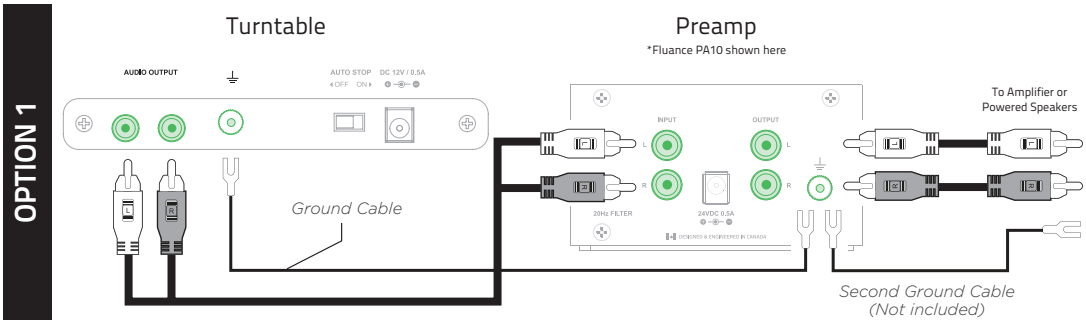
Tip: When setting the counterweight make sure you are turning the entire weight and not just the counterweight indicator ring.

Model	Cartridge	Tracking Force	Anti-Skating Value
RT82	OM 10	1.5g	1.5
RT83	2M Red	1.8g	1.8
RT84 / RT85	2M Blue	1.8g	1.8

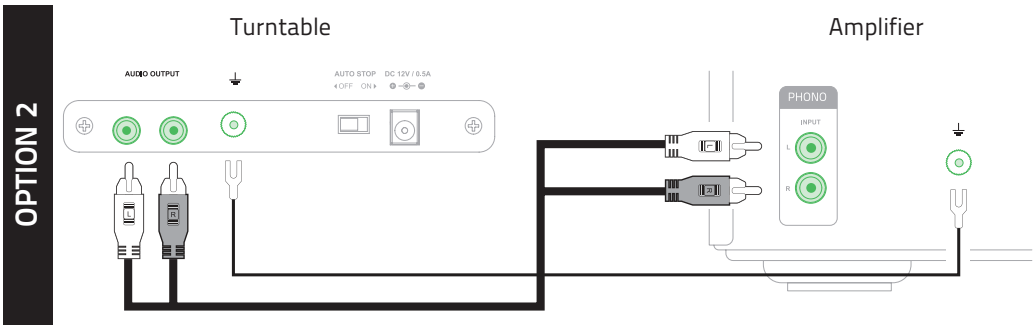
Step Seven: Connecting the RCA and Ground Cables

This turntable does not have an internal preamp so an external preamp or an amplifier with a PHONO input must be used. Connect the RCA and ground cable to the back of the turntable and then connect the other end to your external preamp or the PHONO input and ground terminal on your amplifier. Ensure the cable colors are matched to the RCA connector colors.

Note: The included RCA cable is a high quality cable with a <90pF capacitance rating. For best performance it is recommended that any other RCA connections use a similarly rated cable. The Fluance RCA cable is available at **www.fluance.com/turntable**



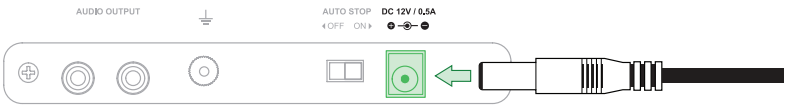
Important: When using an external preamp one ground cable should be connected between the turntable and the preamp. A second ground cable (Not Included) should be connected between the preamp and the amplifier/powered speakers. Failure to connect both ground cables can result in unwanted noise/hum.



Important: The ground cable must be connected to both turntable and amplifier. Failure to connect to both can result in unwanted noise/humming.

Step Eight: Connecting the Power Adapter

Ensure the power adapter is securely connected to a power outlet. Insert the power cable into the power input on the back of the turntable. It is recommended to reconfirm with the bubble level that the turntable is still level after setup is complete.



Step Nine: Playing a Record

Tip: For best audio performance the dust cover should be removed during playback.

1. Lift the dust cover
2. Place a record on the spindle (use the 45 Adapter if necessary)
3. Turn the speed selection knob to the correct RPM typically listed on your record (Normal LP playback speed is 33 RPM)
4. Unlock the tonearm lock
5. Lift the cueing lever
6. Move the tonearm to the desired starting point
7. Lower the cueing lever

Note: When the turntable is not in use the speed selection knob should be set to OFF to turn the turntable completely off.

The turntable setup is now complete! Enjoy your Fluance turntable. Should you require any further assistance please visit us at **www.fluance.com/support** for how-to videos and guides.

Auto Stop Function

The auto stop function is designed to extend the life of your stylus. At the end of a record, the platter will automatically stop spinning if auto stop is enabled. **This feature will also require that the tonearm is moved over the record before the platter will start spinning at the selected speed.**

If the auto stop switch is set to the OFF position the platter will begin spinning as soon as the speed selection knob is set to 33 or 45. To stop the record from spinning set the speed selection knob to the OFF position.

Note: The auto stop function will take approximately 30 seconds at the end of the record before the turntable stops spinning. Due to variances in vinyl record production some records may not work correctly with the auto stop function.

Maintenance

Replacing the Stylus

Use the chart below to ensure you replace your stylus with the correct model.
Replacement stylus and instructions are available at **www.fluance.com/turntables**

Model	Cartridge	Stylus
RT82	OM 10	Stylus 10 E
RT83	2M Red	Stylus 2M Red
RT84 / RT85	2M Blue	Stylus 2M Blue

OM 10

2M RED/2M BLUE

Upgrading the Cartridge

The turntable supports the option of upgrading the cartridge. A complete cartridge replacement guide and video are available at **www.fluance.com/resources**

There is also a Cartridge Alignment Protractor at the end of the manual for your convenience.

Cartridge Connections

Wire	Channel
White	Left (+)
Blue	Left (-)
Red	Right (+)
Green	Right (-)

Turntable Cartridge Specifications

Supported Cartridge Weight	5.0 to 7.5 grams	
Effective Tonearm Mass	RT82	21.78 grams
	RT83	27.5 grams
	RT84	
	RT85	
Overhang	19.2 mm	
Effective Tonearm Length	224 mm	
Headshell Cartridge Mount	Half-inch Mount	
Fluance Headshell Weight	9 grams	

Replacing the Rubber Belt

1. With the platter installed remove the defective rubber belt from the motor pulley and platter.
2. Wrap the new rubber belt around the platter being careful to not overstretch the belt. Ensure it is not twisted.
3. Lift the rubber belt and place it over the motor pulley.
4. Rotate the turntable several times to ensure the rubber belt is secure and not twisted.

Parts and Accessories

Replacement parts and turntable accessories are available at **www.fluance.com/turntables**

Part Number	Description
PA10	High Fidelity Phono Preamp
VB52	Vinyl Record & Stylus Cleaning Kit
AP03	Frosted Acrylic Platter
BL21	Bubble Level
CA03	90pF RCA Cable
CW02	102g Counterweight
CW12	112g Counterweight
GW03	Ground Wire
HS82	RT82-RT85 Headshell with wires
PFHTDU	Dust Cover
PFHTRP	Rubber Turntable Mat
RB35	RT82-RT85 Rubber Belt
TA21	Cork Turntable Mat

Turntable Care

1. Use a soft dry cloth to wipe dust from the turntable surface.
2. Keep the dust cover closed to ensure the turntable components remain dust free.
3. When cleaning the acrylic platter only use microfiber cloth to avoid scratching the surface.

Record Care

1. Records should be stored vertically in a dry environment away from sources of heat.
2. An anti-static brush can be used to remove dirt from the record's grooved surface. Use a record cleaning solution to further clean your records to ensure crystal clear playback.
3. It is important to use the cueing lever when lifting or lowering the tonearm to prevent accidental slipping and scratching.

Stylus Care

1. When the turntable is not in use always keep the provided stylus protector installed to prevent accidental damage.
2. A stylus cleaning brush can be used to remove dust and debris from the stylus.
3. Enabling the auto stop function will reduce wear and tear on the stylus by stopping the turntable after playback is completed.

Troubleshooting

Turntable Not Spinning

- Turn the speed selection knob to 33 or 45 (power LED should light up). Lift the tonearm over the platter and it should start spinning.
- The turntable should be connected to a known good power outlet and the power cable should be securely inserted into the unit.
- Ensure the rubber belt is intact and hooked around the platter and the motor pulley.

No Power

- The turntable should be connected to a known good power outlet and the power cable should be securely inserted into the unit.
- The power LED should light up when the speed selection knob is set to 33 or 45.

Wrong Speed

- Check the record label for the correct playback speed and that the speed selection knob is set to match it. Normal LP playback speed is 33 1/3 RPM, but some play at 45 RPM.

Skipping

- Ensure the record surface is clear of dirt and debris. Also check that the record is not warped or deformed.
- Inspect the stylus tip for built up dirt or debris. Use a stylus cleaning brush to clean if necessary.
- Ensure the turntable is on a sturdy and level surface and properly leveled using the adjustable feet.
- Use the instructions in step four of the first time setup instructions to confirm the tonearm was balanced correctly and set to the correct tracking force for the included cartridge.
- Check that the anti-skating control is set to match the tracking force.

Audio Feedback

- If audio feedback occurs ensure the speakers are positioned away from the turntable. The turntable should not be placed in front of the speakers or on the same surface as the speakers.
- For best audio performance the dust cover should be removed during playback.
- Playback at excessive volume can cause feedback. If feedback is occurring decrease volume or lower bass levels.
- If using an external preamp with a rumble filter, turn it on to reduce resonance feedback.

Cueing Lever Not Lowering Tonearm

- Use instructions in step four of the first time setup instructions to confirm the tonearm was balanced and set to the correct tracking force.
- Lock the tonearm and lower the cueing lever. Gently press down on the tonearm bridge until fully lowered to reset the tonearm lowering mechanism.

Low Volume

- Check the RCA connections are correct and fully inserted. (See Step Seven)
- If the turntable is directly connected to an amplifier it must have a PHONO input.
- The turntable does not include an internal preamp so an external preamp or amplifier with PHONO input must be used with the turntable. The Fluance High Fidelity Phono Preamp (PA10) is designed for the Reference Series turntables and is available on www.fluance.com.

Humming Sound

- Connect the ground wire to your external preamp or amplifier. If using an external preamp ensure the second ground wire is connected from the preamp to the amplifier /powered speakers.
- Ensure the headshell is fully tightened and secured.
- The turntable and other devices should be directly connected to a power outlet. It is recommended to avoid power bars or extension cables.
- Ensure the speakers are positioned away from the turntable. The turntable should not be placed in front of the speakers or on the same surface as the speakers.

Need Additional Help?

- Do not return this product to the store.
- Please contact Fluance Customer Experience first, regarding any additional information on product features, specifications or assistance with setup.
- Online web chat or Support: www.fluance.com/contact
- Online support videos and guides: www.fluance.com/resources

Specifications

Specifications	RT82	RT83	RT84	RT85
Cabinet Specifications				
Material	MDF			
Dust Cover	Yes - Tinted			
Turntable Specifications				
Drive System	Belt Drive			
Motor	DC Motor with Servo Controller			
Motor Isolation	Six-Point Rubber Isolation with Decoupling Isolation Ring			
Speed	33 1/3 RPM, 45 RPM			
Platter	Aluminum			Acrylic
Diameter of Platter	12” (30 cm)			
Auto-Stop	Yes			
Turntable Mat	Rubber			None
Tonearm Specifications				
Type	Static Balanced, S-Type			
Supported Cartridge Weight	5.0 to 7.5 grams			
Counterweight	Yes			
Anti-skating Adjustment	Yes			
Pivot Bearing	Yes			
Cueing Lever	Yes			
Material	Aluminum			
Tonearm Wire	36 AWG Litz Cable / 7 Strand			
Effective Tonearm Mass	21.78 grams	27.5 grams		
Overhang	19.2 mm			
Effective Tonearm Length	224 mm			
Headshell Mount	H-4 Bayonet Mount			
Cartridge Specifications				
Type	Moving Magnet (MM)			
Cartridge Model	Ortofon OM10	Ortofon 2M Red	Ortofon 2M Blue	Ortofon 2M Blue
Replacement Stylus	Stylus 10	Stylus 2M Red	Stylus 2M Blue	Stylus 2M Blue
Stylus	0.3 x 0.7 mil			
Cantilever	Aluminum			
Mount	Half-inch			
Frequency Response	20-22,000 Hz	20-22,000 Hz	20-25,000 Hz	20-25,000 Hz
Channel Separation	22 dB at 1 kHz	22 dB	25 dB	25 dB
Channel Balance	< 1.5 dB	1.5 dB	1.5 dB	1.5 dB

Specifications	RT82	RT83	RT84	RT85
Load Impedance/Capacitance	47 kohms/100 pF			
Output Voltage	4.0 mV	5.5 mV	5.5 mV	5.5 mV
Cartridge Weight	5 grams	7.2 grams	7.2 grams	7.2 grams
Headshell Weight	9 grams			
Recommended Tracking Force	1.25 - 1.75 grams	1.0 - 1.8 grams	1.0 - 1.8 grams	1.0 - 1.8 grams
Vertical Tracking Angle	20°			
Rubber Belt Specifications				
Thickness	4.5 mm			
Width	915 mm			
Length	0.6 mm			
Output Specifications				
Connector	RCA (Gold-plated)			
Preamp	No - Separate Phono Preamp Required			
Phono Output	4 mV	5.5 mV	5.5 mV	5.5 mV
Ground Terminal	Yes			
Power Specifications				
Input	100 - 240 V AC (50/60 Hz)			
Output	12 V / 500 mA			
Consumption	1.5 W			
General Specifications				
Unit Dimensions (W x H x D)	16.5 x 5.5 x 13.75 inches (419.1 x 139.7 x 349.25 mm)			
Unit Weight	6.4 kg (14.1 lbs)			7.4 kg (16.3 lbs)
Optimal Operating Temperature	5°C to 35°C			

Warranty Information

Thank you for choosing Fluance! We guarantee your investment in our products is a solid one. High performance components combined with quality craftsmanship allow us to maintain the highest possible production standards. All items are guaranteed against defects in materials and craftsmanship. Fluance has outstanding quality control; if something should go wrong with any of our products, we will repair it free of charge within the warranty period. If the product cannot be repaired, we will replace the product. If the product has been discontinued, we will replace the product with either the newest version of said product or current equivalent. In the event that Fluance replaces a product under warranty, the replacement would only carry the original warranty from the original date of purchase.

Warranty Period

The Fluance products below are warrantied for parts and labor for the stated period from date of original purchase, and are subject to the terms and conditions of the warranty. Any refurbished products that are discontinued hold a 90 day warranty from the date of original purchase. Fluance warranties are valid for the original owner and are non-transferable.

- Home Audio Passive Speakers: Lifetime Warranty
- Active or Powered Speakers: Two Year Warranty
- HiFi Turntables: Two Year Warranty
- Batteries (For Powered Speakers): One Year Warranty

Warranty Exclusions:

Products purchased from a dealer not authorized by Fluance.

Products with the serial number defaced, altered, or missing.

Defects resulting from disaster, accident, abuse, misuse, lightning, power surges, neglect, unauthorized modification or water damage.

Defect or damage as a result of repairs performed by a person or party not authorized by Fluance.

Defects of damage occurring during shipping (claims should be made with the shipping company).

To Obtain Warranty Service

Should your product require warranty service, please contact us at www.fluance.com/contact or call us at 1-888-617-6863 to set up a Return Authorization. Products returned without a valid Return Authorization number will be refused.

Fluance products must be returned in their original packaging. Our products are packaged specially to protect them from any damage during shipping, and without this packaging the return shipment could get damaged.

This warranty does not cover the shipping cost, insurance, or any other incidental charges. Products shipped for warranty service must be pre-paid by the customer, and Fluance will cover the cost to ship the repaired or replaced product back to the customer.

Important Safety Instructions

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS 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.

WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN

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.

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.

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 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, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type 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 you 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 point where they exit from the apparatus.
11. Only use attachments / accessories specified by the manufacturer.
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. Water and Moisture – This product should be kept away from direct contact with liquids. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
15. Do not overload wall outlet. Use only power source as indicated.
16. Use replacement parts as specified by the manufacturer.
17. The product may be mounted to a wall only if recommended by the manufacturer.
18. Upon completion of any service or repairs to this product, ask the service technician to perform safety checks.
19. Avoid installing this unit in places exposed to direct sunlight or close to heat radiating appliances such as electric heaters, on top of other stereo equipment that radiates too much heat, places lacking ventilation or dusty areas, places subject to constant vibration and/or humid or moist areas.
20. Do not attempt to clean this unit with chemical solvents as this might damage the finish. Use a clean dry cloth.
21. Operate controls and switches as described in the manual. Before turning on the power, make certain that power cord is properly installed.
22. This symbol means the 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.
23. Do not install this equipment in a confined or "boxed-in" space such as a bookcase or similar unit, and maintain good ventilation conditions. The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, tablecloths, curtains, etc.
24. Power Sources - This product should be connected to a power supply only of the type described in these operating instructions, or as marked on the unit.
25. When moving or not using the appliance, secure the power cord (e.g., wrap it with a cable tie). Be careful not to damage the power cord. Before using it again, make sure the power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer.
26. Unplug this apparatus during lightning storms or when unused for long periods of time power cord has not been damaged. If the power cord has been damaged at all, bring the unit and cord to a qualified service technician for repair or replacement as specified by the manufacturer. Use caution when wearing loose clothing or articles near the spinning turntable.

FCC & IC Information

WARNING: To reduce the risk of fire or electrical shock, do not expose this appliance to rain or moisture. Electrical equipment should NEVER be kept or stored in damp environments.

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. This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of Industry Canada.

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:

- Re-orient 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.

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.

NOTICE CONCERNING FCC REGULATIONS:

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

This unit does not exceed the Class B limits for radio noise emission from digital apparatus set out in the radio interference regulations of the Canadian Department of Communications.

This symbol means the 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.

DOUBLE INSULATED - When servicing use only identical replacement parts.

Correct Disposal of this product: This marking indicates that this product should not be disposed with other household wastes through 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 environmentally safe recycling.

CAUTION: This product was intended to use for professional person, does not provide power management function. Once don't use/operate the equipment, please power off to save the energy.

IMPORTANT!: Since digital circuitry may cause interference to other radio or television tuners nearby, switch this unit off when not in use or move it away from the affected radio/television tuner.

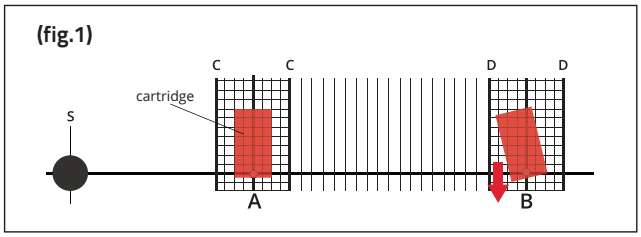
Cartridge Alignment Protractor

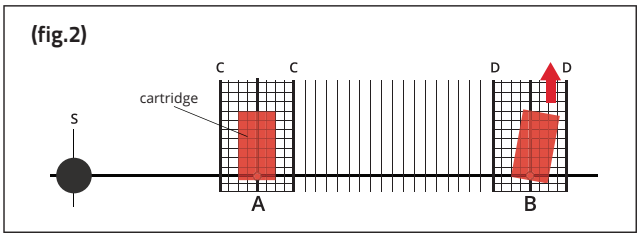
Correct cartridge alignment ensures the stylus is positioned properly relative to the grooves on the record. Incorrect alignment can cause distortion and can also cause unwanted wear and tear on your stylus. Follow the instructions below to ensure your cartridge is mounted correctly.

A video of the cartridge installation and alignment process is available at **www.fluance.com/support**

Instructions

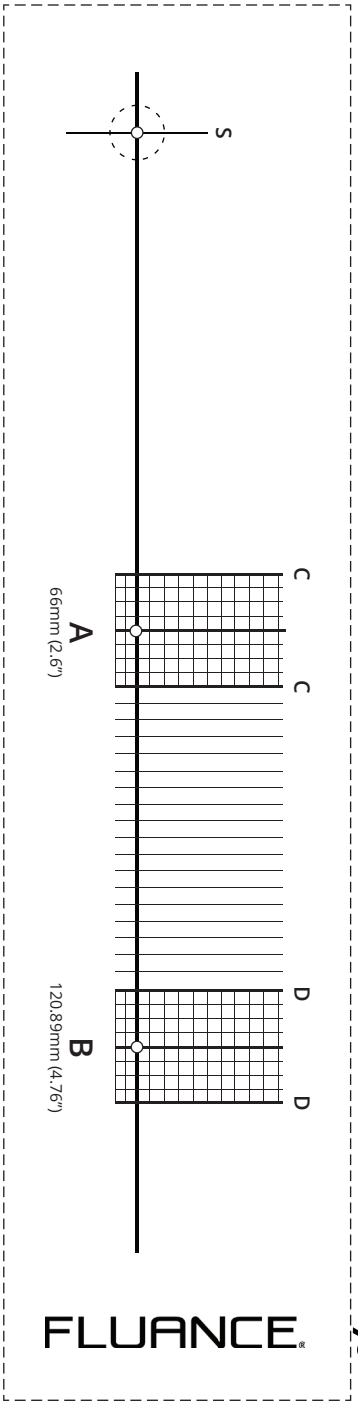
1. Cut out the Cartridge Alignment Protractor* and carefully cut out the spindle hole (S). *See beside for cutout.
2. Place the protractor on the spindle.
3. With the stylus protector removed, gently place the stylus on point A.
4. Rotate the cartridge so that the sides of the cartridge are parallel with the grid lines (C).
5. Place the stylus on point B and confirm the sides are parallel with the grid lines (D).
6. If the cartridge sides are not parallel at point B move the cartridge forward (fig.1) or backward (fig.2) and repeat steps 4-6 until the sides are parallel at both points.





For more information and support please visit **www.fluance.com/support**

Cartridge Alignment Protractor Cutout



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