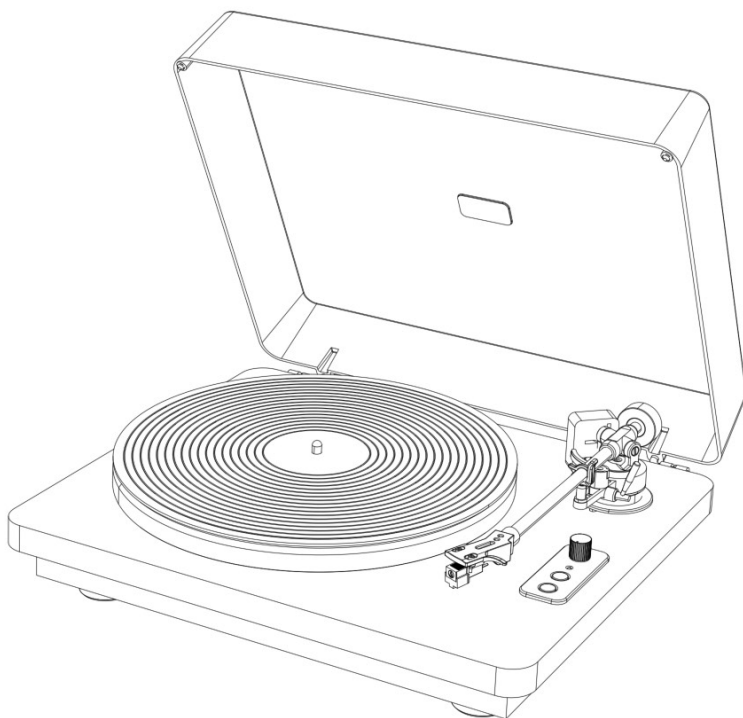


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MATTERS**



# **PHAZE AUDIO DIANA MK2**

User Manual

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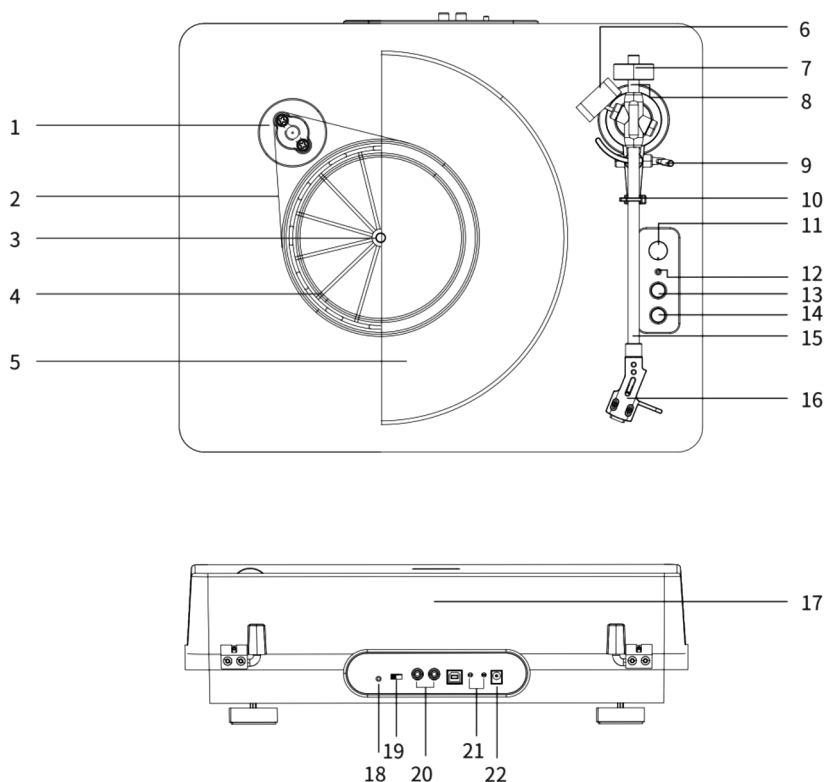
## INCLUDED ITEMS

Before installation, ensure all components listed below are included and undamaged. Retain the original packaging for potential returns.

*NOTE: The cartridge alignment and anti-skate control components have been pre-adjusted to optimal settings at the factory. No further adjustment is required.*

1. Turntable Unit
2. Power Adapter
3. Dust Cover
4. Anti-Slip Mat
5. Platter
6. Sub-Platter
7. Drive Belt
8. Counterweight
9. Metal Phillips Screwdriver (for adjusting counterweigh tightness)
10. User Manual
11. Cartridge Alignment Card
12. Large-Hole Record Adapter
13. Ceramic Flathead Screwdriver (for speed adjustment)
14. RCA Cable

# COMPONENT DIAGRAM



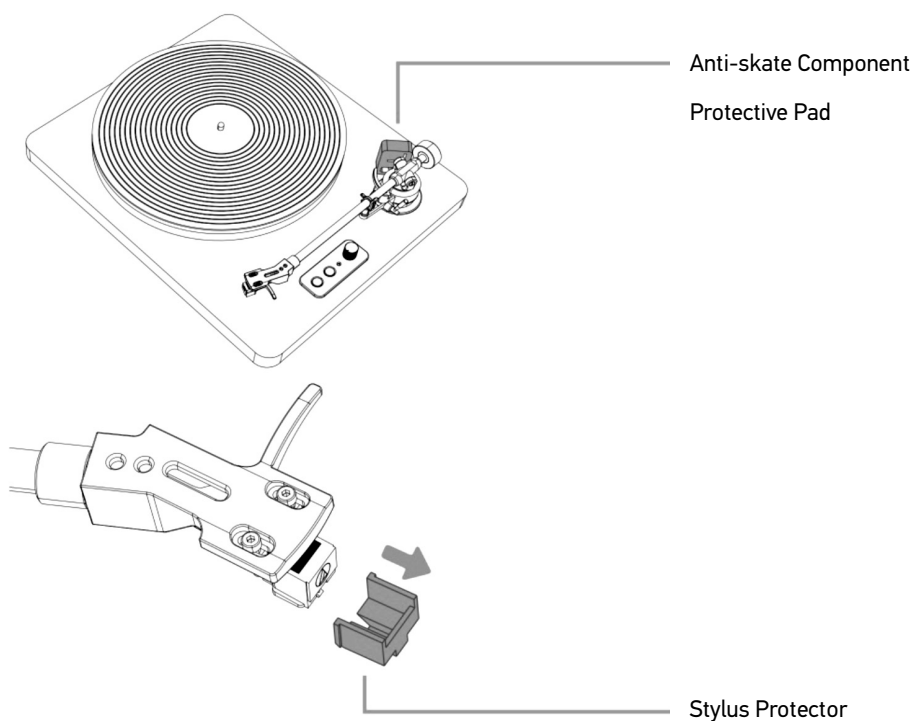
- |                         |                                             |                              |
|-------------------------|---------------------------------------------|------------------------------|
| 1. Motor                | 9. Tonearm Lift Lever                       | 16. Cartridge                |
| 2. Drive Belt           | 10. Tonearm Lock                            | 17. Dust Cover               |
| 3. Turntable Spindle    | 11. Function Switch<br>(off, pause, 33, 45) | 18. Ground Connector         |
| 4. Sub-Platter          | 12. Indicator Light                         | 19. Output Mode Switch       |
| 5. Platter              | 13. Bluetooth Bottom                        | 20. RCA Interface            |
| 6. Anti-skate Component | 14. Mute Bottom                             | 21. Speed Fine<br>Adjustment |
| 7. Counterweight        | 15. Tonearm                                 | 22. DC Input Jack            |

# INSTALLATION

## 1. Before Installation

Remove the anti-skate component protective pads, stylus protector, and other components.

*TIP: Keep all removed components for future shipment and use*

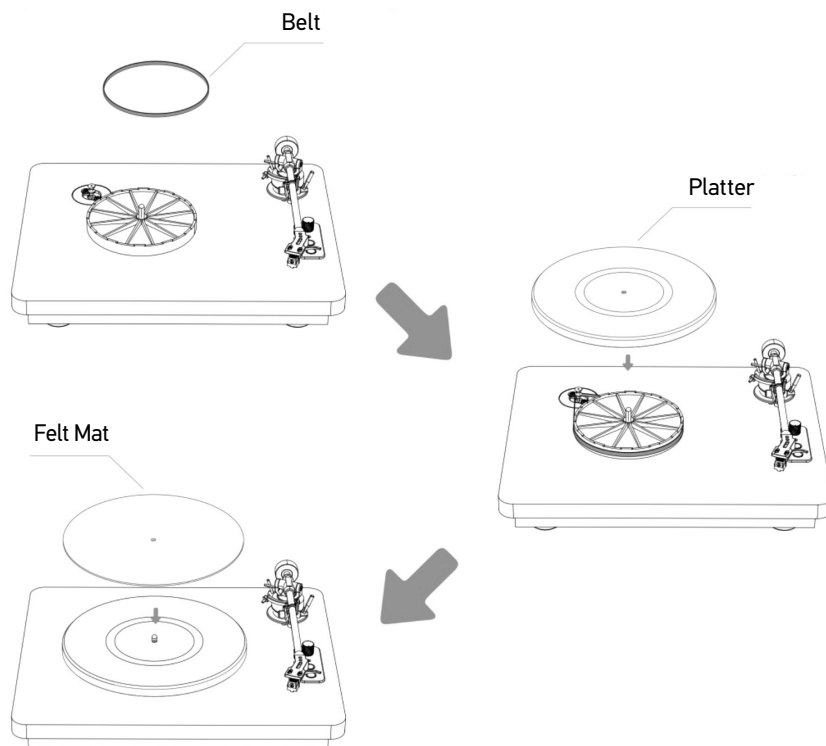


### Important:

When removing the stylus protector, ensure the stylus (needle) is not accidentally detached. If the stylus is removed, refer to the "Maintenance – Stylus Replacement" section for reinstallation instructions.

## 2. Installing the Platter

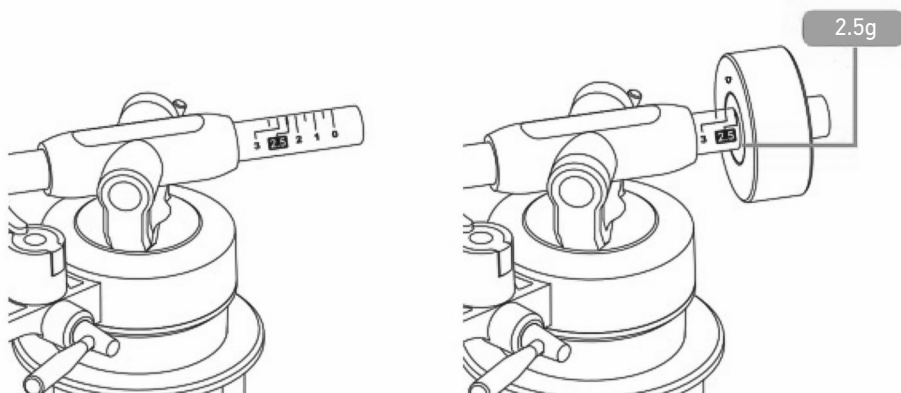
Follow the diagram to install the drive belt, platter, and anti-slip mat in sequence.



**NOTE:** Ensure the belt is not twisted during installation.  
After attaching, rotate the platter 10 times to verify smooth operation.

### 3. Installing the Counterweight

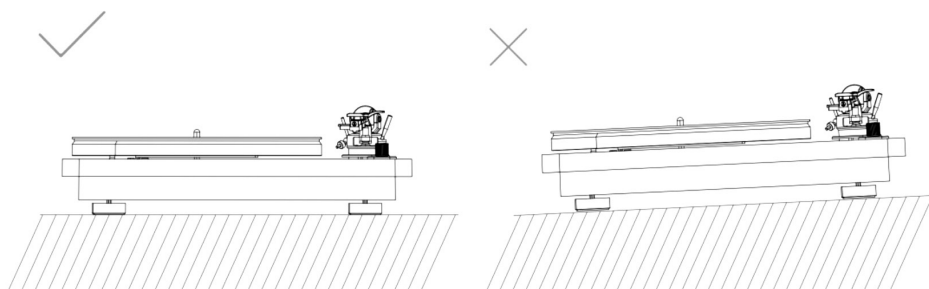
Attach the counterweight to the tonearm end, aligning the triangular arrow downward to the 2.5g marking.



*CAUTION: Do not confuse the counterweight with the large-hole adapter.*

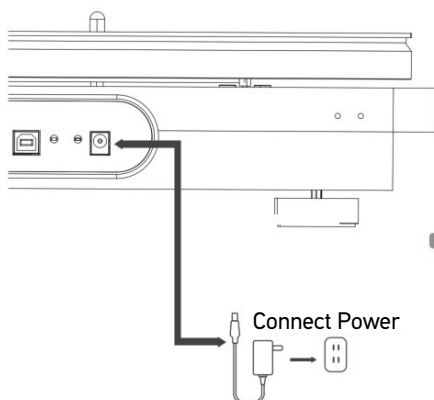
### 4. Placement

Place the turntable on a stable surface. Keep it away from speakers, radios or devices that emit strong radio waves (such as smartphones) to avoid the influence of vibration and sound pressure, as well as noise.

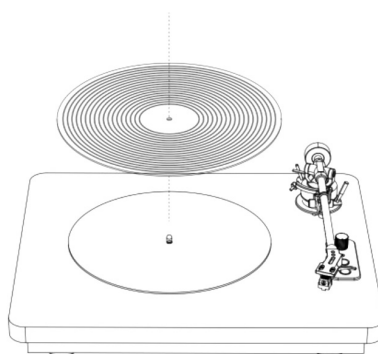


## VINYL PLAY

### 1. Connect Power

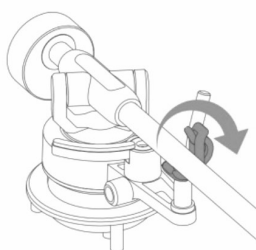


### 2. Place the Record

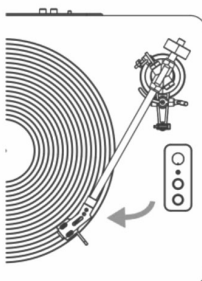


### 3. Play a Record

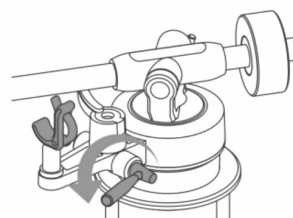
Turn the knob to 33 or 45 to select the appropriate speed, release the tonearm lock, Hold the stylus handle and move the stylus to the outer edge of the record, Press the lift lever to the horizontal position gently to allow the stylus to slowly land on the record, and the record will start playing.



1



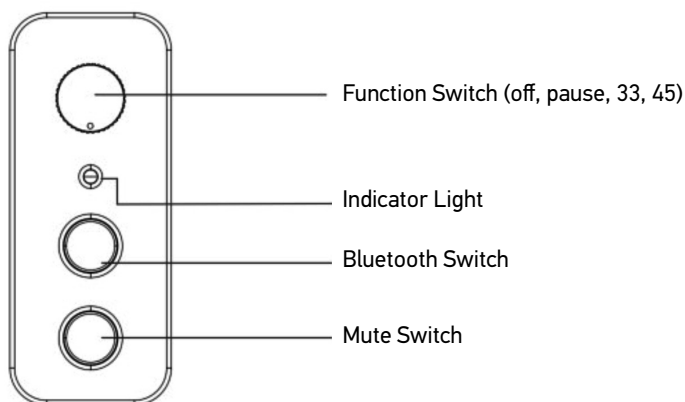
2



3

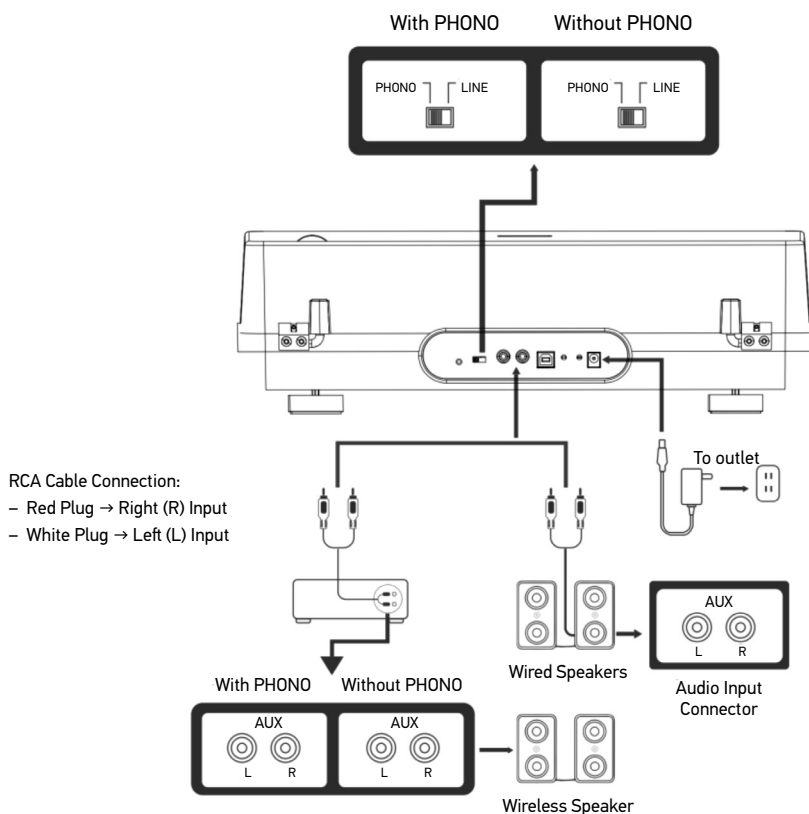
#### **4. Listen to music using Bluetooth speaker**

- Turn the switch to your record type, 33 or 45, to put your Bluetooth speaker in pairing mode.
- Make sure Bluetooth is turned off on any nearby devices that automatically connect to the speaker.
- The effective distance between the Bluetooth device and the turntable is 33 feet (10 meters).
- Make sure to remove any obstacles between the Bluetooth speaker and the turntable to ensure clear sound.
- If the turntable cannot connect with the speaker, the Bluetooth indicator lights up red. Press the Bluetooth button again to reconnect the Bluetooth speaker.
- Bluetooth Name: Diana



| MODE                           | OPERATION                                                  | INDICATOR                   | TURNTABLE                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bluetooth On</b>            | Press the Bluetooth button                                 | <b>Blue light</b>           | Bluetooth is on, entering auto-reconnection or search/pairing mode                                                                                                     |
| <b>Bluetooth Off</b>           | Press and hold the Bluetooth button for 3s                 | <b>White light</b>          | Disconnect all Bluetooth connections                                                                                                                                   |
| <b>Auto-reconnect</b>          | None                                                       | <b>Blue slow blinking</b>   | After powering on, the device will automatically connect to the last paired speaker for 12s. If the connection fails, it will automatically enter search/pairing mode. |
| <b>Search &amp; Pair</b>       | When Bluetooth is on, press the Bluetooth button again     | <b>Blue fast blinking</b>   | The device searches for nearby Bluetooth receivers and pairs with them                                                                                                 |
| <b>Bluetooth Connected</b>     | None                                                       | <b>Blue Light Steady On</b> | Signal output to external device                                                                                                                                       |
| <b>Bluetooth Not Connected</b> | None                                                       | <b>Blue Light Blinking</b>  | The device searches for nearby Bluetooth receivers and pairs with them                                                                                                 |
| <b>Clear Paired History</b>    | Press the Bluetooth and Mute buttons simultaneously for 3s | <b>Blue indicator light</b> | The device clears all paired history and searches for new devices to connect                                                                                           |
| <b>Bluetooth Mute</b>          | Press the Mute button                                      | <b>Blue indicator light</b> | Signal output to external device halted; press again to restore signal output                                                                                          |

## 5. Listen to music via line-out



1. Plug the red and white plugs on the included RCA cable into the line-out jacks on the back of the turntable, red to red, white to white.
2. Plug the other end of the cable into your speaker or amplifier, red to red, white to white
3. Toggle the preamp switch to select output mode.

| CONNECTED EXTERNAL DEVICES | SWITCH POSITION |
|----------------------------|-----------------|
| With PHONO                 | PHONO           |
| Without PHONO              | LINE            |

## **6. USB Recording Operation**

To properly record your vinyl records to MP3 via your computer, use the USB output cable. Connect one end of the USB cable to the turntable (USB jack on the back of the unit) and the other end to your computer. Then connect the AC power cord to the turntable.

To install and use the software on your computer, select the appropriate Mac or PC installation file.

For the latest manuals, software, operating instructions, troubleshooting or other downloadable content, visit <http://audacityteam.org>

## **7. Turntable Reset**

Raise the lift lever first when resetting, move the tonearm back to its locked position and secure the lock.

Turn the knob to the OFF position. Remove the record and place it back into its protective sleeve, and close the dust cover securely.

### *TIPS*

- 1. The correct speed setting (33 RPM or 45 RPM) is typically printed on the record sleeve or inner label.*
- 2. Clean the anti-slip mat regularly to prevent dust buildup, which may scratch records*
- 3. The platter will automatically stop rotating 3 minutes after playback ends.*
- 4. Always lift the tonearm before resetting to avoid accidental stylus damage.*
- 5. Ensure the tonearm is locked after use to prevent mechanical issues.*
- 6. Store records vertically in their sleeves to avoid warping or scratches.*
- 7. Disconnect the power adapter if the turntable will not be used for an extended period.*

## MAINTENANCE

### 1. Cleaning the Turntable Body

When the turntable body is dirty or dusty, disconnect the AC adapter first, then wipe the surface gently with a soft, dry cloth.

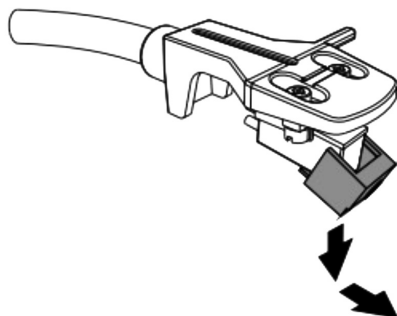
### 2. Cleaning the Stylus

When the stylus accumulates dust or debris, use a stylus-specific cleaner (not included with the product).

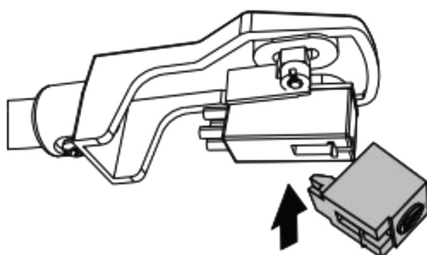
### 3. Replacing the Stylus (Part Number: Audio-Technica AT3600L)

The stylus will last approximately 300 hours under normal use. However, we recommend that you replace the stylus as soon as you notice a change in sound quality. Long-term use of a worn stylus can damage records.

- Turn the power off by turning the speed selector switch to OFF.
- Remove the stylus by pulling it down and forward at the same time.



- Insert the new stylus at the end of the cartridge and push stylus upward until you hear a “click” indicating the tip locks into place.



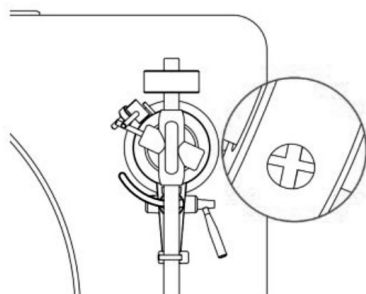
*TIPS:*

*Do not disassemble or bend the stylus.*

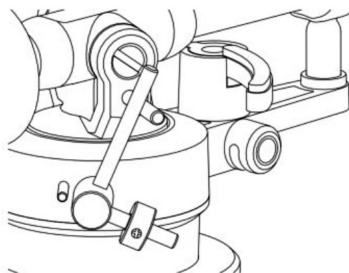
*Do not touch the stylus to avoid hurting hands or damaging it.*

*Keep out of reach of children.*

## 4. Other adjustments



Counterweight tightness  
adjustment



Anti-skate Component

The cartridge alignment and anti-skate control components have been pre-adjusted to optimal settings at the factory. No further adjustment is required. If adjustments are needed,

## SPEED FINE ADJUSTMENT



### ADJUSTMENT INSTRUCTIONS:

*Two screwdrivers are provided for adjusting the turntable. Under normal circumstances, no adjustment is required.*

## **SAFETY INSTRUCTIONS**

1. Operate this product strictly in accordance with the user manual.
2. Do not expose the product to rain, moisture, or water splashes.
3. Ensure the power supply voltage matches the voltage specified on the product label.
4. Do not modify the plug in any way.
5. Avoid pulling, bending, stepping on, or crushing the power cord.
6. Assemble the product as instructed. Do not place objects on the turntable.
7. Prevent liquids or objects from entering the unit, as they may cause electric shock, short circuits, or fire hazards.
8. Do not attempt to disassemble or repair the turntable yourself. All repairs must be performed by qualified technicians.
9. Use only manufacturer-approved replacement parts or accessories.
10. Keep the product away from high-temperature environments or open flames.
11. Place the turntable on a flat, stable surface. Handle with care during movement to prevent tipping or damage.
12. The slots and openings on the unit are designed for ventilation. Do not block or cover them to avoid overheating.
13. Unplug the power cord during thunderstorms or extended periods of non-use.

## TROUBLESHOOTING

| ISSUE                                        | SOLUTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Platter Not Spinning</b>                  | <ul style="list-style-type: none"> <li>• Is the indicator light on? Is the speed switch in the pause state?               <ul style="list-style-type: none"> <li>– Please follow the operating steps to start the machine correctly. After turning on the power switch, select the appropriate speed and start the turntable.</li> </ul> </li> <li>• Is the drive belt detached or damaged?               <ul style="list-style-type: none"> <li>– Inspect the belt and reinstall it properly. Replace if worn or broken.</li> </ul> </li> <li>• Does the motor work?               <ul style="list-style-type: none"> <li>– If assembly and operation are correct, check if the motor pulley rotates.</li> </ul> </li> <li>• If the machine enters sleep mode if the standby time is too long?               <ul style="list-style-type: none"> <li>– Disconnect the power (unplug the adapter to fully power cycle the unit).</li> </ul> </li> </ul> |
| <b>Platter Spins But No Sound/Low Volume</b> | <ul style="list-style-type: none"> <li>• Are the wiring connections and function settings incorrect?               <ul style="list-style-type: none"> <li>– Ensure the PHONO/LINE switch matches the input type of your connected audio device.</li> <li>– Verify all audio cables are securely connected and device settings (e.g., volume) are correct.</li> </ul> </li> <li>• Does the stylus damage?               <ul style="list-style-type: none"> <li>– Replace the stylus if worn. *Recommended replacement interval: 400 hours.</li> </ul> </li> <li>• Is the stylus properly seated on the cartridge?               <ul style="list-style-type: none"> <li>– Check the stylus and cartridge and install them correctly.</li> </ul> </li> <li>• If the machine enters sleep mode if the standby time is too long?</li> </ul>                                                                                                                 |
| <b>Skipping During Playback</b>              | <ul style="list-style-type: none"> <li>• Is the record warped? Does the record have scratches?               <ul style="list-style-type: none"> <li>– Check the records.</li> </ul> </li> <li>• Is the tracking force calibrated?               <ul style="list-style-type: none"> <li>– Adjust it via the “Cartridge Setup” section in the manual.</li> </ul> </li> <li>• Does the stylus damage?               <ul style="list-style-type: none"> <li>– Replace the stylus if worn. *Recommended replacement interval: 400 hours</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Unusual Humming Noise</b>                 | <ul style="list-style-type: none"> <li>• Reduce environmental vibrations or install the turntable on a vibration-resistant surface.</li> <li>• Ensure the turntable is positioned on a stable, level surface.</li> <li>• Turn off electrical appliances near the record player (such as a TV).</li> <li>• Move the turntable further away from nearby electrical appliances.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| ISSUE                                                    | SOLUTIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Audible Noise During Playback</b>                     | <ul style="list-style-type: none"> <li>Is there dust buildup on the stylus tip?               <ul style="list-style-type: none"> <li>Clean the stylus with a professional brush.</li> </ul> </li> <li>Does the vinyl record have dust or scratches?               <ul style="list-style-type: none"> <li>Clean the record surface with a commercial vinyl cleaner or replace the record.</li> </ul> </li> <li>Is the tracking force incorrect?               <ul style="list-style-type: none"> <li>Adjust the tracking force according to the "Cartridge Setup" section in the manual.</li> </ul> </li> </ul> |
| <b>Slow or Inconsistent Speed</b>                        | <ul style="list-style-type: none"> <li>Is the drive belt installed correctly?               <ul style="list-style-type: none"> <li>Reinstall the belt as described in the "Belt Installation" section of the manual.</li> </ul> </li> <li>Is the belt overstretched?               <ul style="list-style-type: none"> <li>Replace the belt with a new one.</li> </ul> </li> </ul>                                                                                                                                                                                                                              |
| <b>Incorrect Playback Speed</b>                          | <ul style="list-style-type: none"> <li>Is the speed setting (33 RPM/45 RPM) correct for the record type?               <ul style="list-style-type: none"> <li>Select the appropriate speed based on the record label.</li> </ul> </li> <li>If the speed remains abnormal?               <ul style="list-style-type: none"> <li>Adjust the speed fine-tuning screw on the rear panel.</li> </ul> </li> </ul>                                                                                                                                                                                                    |
| <b>Stylus Fails to Contact Record</b>                    | <ul style="list-style-type: none"> <li>Check if the tonearm lift lever is lowered. If stuck, manually raise and lower the lever 10 times to redistribute internal lubricant, then retry.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>The turntable cannot pair with a Bluetooth device</b> | <ul style="list-style-type: none"> <li>Make sure the turntable is in transmit mode by pressing the Bluetooth pairing button.</li> <li>Make sure the Bluetooth speaker is turned on and in Bluetooth mode. Refer to the instructions of the Bluetooth speaker.</li> <li>Move the Bluetooth speaker closer to the turntable.</li> </ul>                                                                                                                                                                                                                                                                          |
| <b>Bluetooth pairing failed</b>                          | <ul style="list-style-type: none"> <li>Make sure the Bluetooth speaker is not connected to another Bluetooth device. If it is connected, turn off that device or delete the Bluetooth connection name from the speaker's device list.</li> <li>Make sure the Bluetooth speaker uses a BQB-certified receiver.</li> </ul>                                                                                                                                                                                                                                                                                       |

## TECHNICAL SPECIFICATIONS

|               |                           |                              |
|---------------|---------------------------|------------------------------|
| Specification | Power Adapter             | DC 9V1000mA                  |
|               | Power Consumption         | 9W                           |
|               | Dimensions (L×W×H)        | 420* 344*119mm               |
| Turntable     | Motor                     | DC Servo Motor               |
|               | Driving System            | Drive Belt                   |
|               | Cartridge Model           | Audio-Technica AT3600L       |
|               | Speeds                    | 33⅓ RPM, 45 RPM              |
|               | Shake Rate                | Less than 0.25% (WTD)        |
|               | Signal Noise Ratio        | More than 50 decibels        |
|               | Cartridge Type            | Moving Magnet Cartridge      |
|               | Cartridge Model           | Audio-Technica AT3600L       |
|               | RCA Output                | 500mV±50mV (5 cm/s at 1 kHz) |
| Bluetooth     | Bluetooth Version         | V5.3                         |
|               | Bluetooth Frequency Range | 2.402GHz-2.480GHz            |
|               | Operating Distance        | 33 feet (10 meters)          |
|               | Maximum RF power          | <5dBm                        |
| USB           | Type                      | USB B-type connector         |
|               | Full Speed                | USB 2.0 Full Speed           |

*NOTE: Design and specifications are subject to change without notice.*

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