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1byone 1-AD07DE02

1byone High-Fidelity Belt-Drive Turntable

Model: 1-AD07DE02

1. Introduction

Thank you for purchasing the 1byone High-Fidelity Belt-Drive Turntable. This manual provides essential information for the proper setup, operation, and maintenance of your new turntable. Please read this manual thoroughly before use to ensure optimal performance and longevity of your device.

This turntable features a belt-drive system, built-in speakers, Bluetooth connectivity for wireless audio streaming, an Aux-in function for external devices, and an auto-stop feature. It is equipped with a high-quality Audio-Technica stylus and an adjustable counterweight for precise tracking.



Image 1.1: The 1byone High-Fidelity Belt-Drive Turntable in walnut finish.

2. Important Safety Instructions

To reduce the risk of electric shock, fire, or injury, always follow these basic safety precautions:

- Read all instructions before operating the appliance.
- Keep this manual for future reference.
- Do not use this apparatus near water or in damp environments.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.

3. Package Contents

Please check that all items listed below are included in your package:

- 1byone High-Fidelity Belt-Drive Turntable Unit
- Dust Cover
- Power Adapter
- 45 RPM Adapter
- Adjustable Tonearm Counterweight (may be pre-installed)
- Audio-Technica Magnetic Cartridge with Stylus (pre-installed)
- User Manual (this document)

4. Parts Identification

Familiarize yourself with the different parts of your turntable:

1. **Platter:** The circular platform where records are placed.
2. **Belt:** Located under the platter, drives the platter rotation.
3. **Tonearm:** Holds the cartridge and stylus, pivots to track the record grooves.
4. **Cartridge & Stylus:** The component at the end of the tonearm that reads the record grooves. This model features an Audio-Technica stylus.
5. **Counterweight:** Adjustable weight at the rear of the tonearm to balance tracking force.
6. **Anti-skate Dial:** Adjusts the inward force on the tonearm to prevent skipping.
7. **Speed Selector:** Switch to select playback speed (33 1/3 or 45 RPM).
8. **Start/Stop Button:** Powers on/off the unit and starts/stops platter rotation.
9. **Bluetooth Indicator:** LED light indicating Bluetooth status.
10. **Aux-in Port:** 3.5mm input for connecting external audio devices.
11. **RCA Output (L/R):** For connecting to external amplifiers or powered speakers.
12. **DC IN 12V:** Power input port.
13. **PHONO/LINE OUT Switch:** Selects between phono preamp output or line-level output for RCA.
14. **Dust Cover:** Protects the platter and tonearm from dust.

15. **Built-in Speakers:** Integrated speakers for direct audio playback.



Image 4.1: Tonearm, Counterweight, and Stylus Detail.



Image 4.2: Control Panel.



Image 4.3: Rear Connection Ports.

5. Setup Guide

Follow these steps to set up your turntable:

1. **Unpack:** Carefully remove the turntable and all accessories from the packaging. Keep the packaging for future transport or storage.
2. **Placement:** Place the turntable on a stable, level surface away from direct sunlight, heat sources, and excessive vibration.
3. **Dust Cover Installation:** Insert the hinges of the dust cover into the slots at the back of the turntable unit.
4. **Platter and Belt Setup:**
    - Place the platter onto the center spindle.
    - Locate the drive belt under the platter. Gently pull the belt through the opening on the platter and loop it

around the motor pulley. Ensure the belt is not twisted.

5. **Counterweight Adjustment:**
    - Slide the counterweight onto the rear of the tonearm.
    - With the stylus guard in place, balance the tonearm by rotating the counterweight until the tonearm floats freely and horizontally.
    - Once balanced, hold the counterweight steady and rotate the numbered ring to '0'.
    - Rotate the entire counterweight (including the numbered ring) counter-clockwise to the recommended tracking force of 2.0 grams (2 on the scale). This ensures optimal sound quality and stylus longevity.



Image 5.1: Tonearm Counterweight Adjustment.

6. **Stylus Protection:** Remove the clear plastic stylus protector from the cartridge by gently pulling it forward. Be careful not to touch the stylus tip.
7. **Power Connection:** Connect the power adapter to the DC IN 12V port on the back of the turntable, then plug it into a wall outlet.
8. **Initial Power On:** Press and hold the 'START' button for a few seconds to power on the unit. The power indicator will light up.

6. Operating Instructions

6.1 Playing a Vinyl Record

1. Ensure the turntable is powered on.
2. Select the appropriate speed (33 or 45 RPM) using the speed selector switch based on your record. Use the 45 RPM adapter for records with a large center hole.
3. Place the record carefully on the platter.
4. Gently lift the tonearm using the tonearm lift lever.
5. Move the tonearm over the desired starting groove of the record.
6. Slowly lower the tonearm using the lift lever. The stylus will make contact with the record, and playback will begin.
7. At the end of the record, the auto-stop function will automatically stop the platter rotation. Manually lift the tonearm and return it to the tonearm rest.

6.2 Bluetooth Connection

You can stream audio wirelessly to the turntable's built-in speakers via Bluetooth.

1. Ensure the turntable is powered on.
2. Switch the speed selector to the Bluetooth position (indicated by a Bluetooth icon). The Bluetooth indicator light will flash, indicating pairing mode.
3. On your mobile device (smartphone, tablet, etc.), enable Bluetooth and search for available devices.
4. Select "1byone Turntable" from the list of devices.
5. Once connected, the Bluetooth indicator light will glow solid. You can now play audio from your device through the turntable's speakers.



Image 6.1: Bluetooth Connection Diagram.

6.3 Aux-in Function

Connect external audio devices using the Aux-in port.

1. Ensure the turntable is powered on.
2. Connect a 3.5mm audio cable (not included) from your external audio device's headphone or line-out jack to the AUX IN port on the back of the turntable.
3. The turntable will automatically switch to Aux-in mode. Play audio from your connected device.

6.4 RCA Output Connection

For enhanced sound, you can connect the turntable to an external amplifier or powered speakers using the RCA output ports.

1. Ensure the turntable and external audio system are powered off.
2. Connect RCA cables (not included) from the L/R AUX OUT ports on the back of the turntable to the corresponding audio input (e.g., AUX IN, LINE IN) on your amplifier or powered speakers.
3. Set the PHONO/LINE OUT switch on the turntable to the appropriate position: 'LINE OUT' if connecting to an amplifier's line-level input, or 'PHONO' if connecting to an amplifier's dedicated phono input (which has its own preamp).
4. Power on both the turntable and your external audio system, then select the correct input on your amplifier.



Image 6.2: RCA Output Connection Diagram.

7. Maintenance

Proper maintenance ensures the longevity and performance of your turntable.

7.1 Cleaning the Stylus

The stylus is delicate and can accumulate dust and debris, affecting sound quality. Use a soft brush (not included) designed for stylus cleaning, brushing gently from back to front.

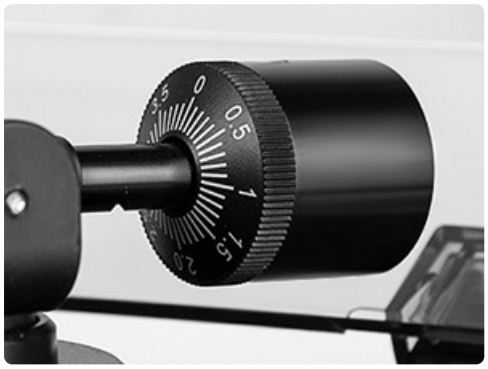

Image 7.1: Audio-Technica Stylus.

7.2 Cleaning the Unit and Dust Cover

Wipe the turntable unit and dust cover with a soft, dry, lint-free cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry cloth. Avoid abrasive cleaners or solvents, as they can damage the finish.

7.3 Replacing the Stylus

The stylus has a limited lifespan (typically 300-500 hours of playback) and should be replaced when sound quality degrades or the stylus is visibly worn or damaged. This turntable uses an Audio-Technica magnetic cartridge. Consult the manufacturer's website or a reputable audio dealer for compatible replacement styli.

8. Troubleshooting

If you encounter issues with your turntable, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power adapter not connected; outlet not active.	Ensure power adapter is securely connected to the turntable and a working wall outlet.
No sound from speakers	Volume too low; incorrect input selected (if using external speakers); stylus protector still on.	Increase volume. If using external speakers, ensure correct input is selected on amplifier. Remove stylus protector.
Distorted sound or skipping	Stylus dirty or worn; tracking force incorrect; record dirty or damaged; turntable not level.	Clean stylus. Re-adjust counterweight. Clean record. Ensure turntable is on a level surface.
Platter not spinning	Belt dislodged; auto-stop engaged; power issue.	Check and re-seat the drive belt. Ensure the unit is powered on and the 'START' button has been pressed to initiate platter rotation.
Bluetooth pairing issues	Turntable not in pairing mode; device too far; interference.	Ensure speed selector is on Bluetooth mode (flashing light). Move device closer. Avoid other wireless devices nearby.

9. Specifications

Brand	1byone
Model Number	1-AD07DE02
Color	Walnut
Connectivity Technology	Bluetooth
Special Features	Built-in Preamp, Integrated Bluetooth Receiver, Adjustable Speed (33/45 RPM)
Compatible Devices	Smartphone
Maximum Rotation Speed	45 RPM
Included Components	Magnetic Cartridge, Adjustable Tonearm Counterweight, 45 RPM Adapter
Material	Metal (Chassis is wood)
Item Weight	6 Kilograms

10. Warranty and Support

10.1 Warranty Information

This 1byone turntable comes with a**2-Year Warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or normal wear and tear of consumable parts like the stylus.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your 1byone turntable, please contact 1byone customer support through their official website or the retailer from whom you purchased the product. Please have your model number (1-AD07DE02) and proof of purchase ready when contacting support.

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