

Audio-Technica AT-LP60XHP

Audio-Technica AT-LP60XHP Turntable & Headphone Bundle

INSTRUCTION MANUAL

Introduction

The Audio-Technica AT-LP60XHP is a fully automatic belt-drive turntable and headphone combination designed for enjoying 33-1/3 and 45 RPM vinyl records. This bundle includes an integrated headphone amplifier with a 3.5 mm (1/8") headphone jack and volume control, allowing for direct listening with the included ATH-250AV over-ear headphones or other compatible headphones. The turntable can also be connected to external audio systems via its detachable RCA output cable and built-in switchable phono preamp.

Key features include:

- High-fidelity audio reproduction from vinyl records.
- Fully automatic belt-drive operation with two selectable speeds: 33-1/3 and 45 RPM.
- Integrated headphone amplifier with front-panel 3.5 mm (1/8") headphone jack and volume control.
- Included ATH-250AV over-ear headphones with 40 mm drivers and a 3.5 m (11.5') cable.
- Anti-resonance die-cast aluminum platter for stable playback.
- Redesigned tonearm base and headshell for improved tracking and reduced resonance.
- External AC adapter to minimize noise interference in the signal chain.

What's in the Box

Verify that all the following items are included in your package:

- AT-LP60XHP Turntable Unit
- ATH-250AV Over-Ear Headphones
- Detachable RCA Output Cable (3.5 mm male to dual RCA male)
- 45 RPM Adapter
- Removable Hinged Dust Cover
- AC Adapter (External)

Product Overview

Familiarize yourself with the components and controls of your AT-LP60XHP turntable.



Figure 1: Audio-Technica AT-LP60XHP Turntable with ATH-250AV Headphones.

The turntable features a sleek design with clearly labeled controls for ease of use. The main unit houses the platter, tonearm, and control buttons, while the included headphones provide a direct listening experience.



Figure 2: Top-down view highlighting turntable controls and tonearm.

Controls:

- **Speed Selector:** Switch between 33-1/3 RPM and 45 RPM.
- **Start Button:** Initiates automatic playback, moving the tonearm to the record and lowering the stylus.
- **Stop Button:** Halts playback, lifts the stylus, and returns the tonearm to its rest position.
- **Tonearm Lift/Lower Button:** Manually raises or lowers the tonearm.
- **Headphone Jack (3.5 mm):** Connect your headphones for private listening.
- **Headphone Volume Control:** Adjusts the volume for connected headphones.

Setup

1. **Unpack:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Place Turntable:** Position the turntable on a stable, level surface away from direct sunlight, heat sources, and excessive vibration.
3. **Install Platter:** Place the die-cast aluminum platter onto the turntable spindle. Ensure it sits correctly.
4. **Install Drive Belt:** Carefully attach the drive belt to the motor pulley and the inner rim of the platter according to the diagram in the quick start guide (not provided here).

5. **Install Dust Cover:** Attach the hinged dust cover to the rear hinges of the turntable.
6. **Connect Power:** Connect the AC adapter to the DC IN 12V port on the rear of the turntable, then plug the adapter into a wall outlet.
7. **Connect Headphones:** Plug the ATH-250AV headphones (or your preferred headphones) into the 3.5 mm headphone jack on the front panel.
8. **External Audio Connection (Optional):** If connecting to an external amplifier or powered speakers, use the detachable RCA output cable. Ensure the PHONO/LINE switch on the rear is set appropriately (PHONO for phono input, LINE for line input).

Operating Instructions

Follow these steps to play your vinyl records:

1. **Place Record:** Carefully place a vinyl record on the platter. If playing a 7-inch record, place the 45 RPM adapter on the center spindle.
2. **Select Speed:** Set the speed selector switch to either 33-1/3 RPM or 45 RPM, matching the speed of your record.
3. **Start Playback:** Press the **START** button. The tonearm will automatically move to the lead-in groove of the record and gently lower the stylus.
4. **Adjust Volume:** If using headphones, adjust the headphone volume control to your desired listening level. If connected to an external system, adjust the volume on that system.
5. **Stop Playback:** To stop playback, press the **STOP** button. The tonearm will automatically lift, return to its rest, and the platter will stop spinning.
6. **Manual Tonearm Operation (for 10-inch records or specific track selection):** For 10-inch records, you may need to manually position the tonearm. Use the tonearm lift/lower button to raise the tonearm, manually move it over the desired track, then lower it.

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Video: Demonstration of the Audio-Technica AT-LP60XHP turntable's automatic operation and features.

Connections

The AT-LP60XHP offers flexible connection options:

- **RCA Output:** Use the included detachable 3.5 mm male to dual RCA male cable to connect the turntable to an amplifier, receiver, or powered speakers.
- **Phono/Line Switch:** Located on the rear panel, this switch allows you to select between PHONO output (for connecting to an amplifier with a dedicated phono input) or LINE output (for connecting to a line-level input on an amplifier or powered speakers without a phono input).
- **Headphone Output:** The integrated 3.5 mm (1/8") headphone jack on the front panel provides direct audio output for headphones.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your turntable:

- **Dust Cover:** Always keep the hinged dust cover closed when the turntable is not in use to protect it from dust and debris.
- **Cleaning:** Use a soft, dry cloth to clean the turntable chassis and dust cover. Avoid harsh chemicals or

abrasive cleaners.

- **Stylus Care:** Gently clean the stylus regularly using a soft brush designed for stylus cleaning, brushing from back to front.
- **Stylus Replacement:** The Dual Magnet cartridge features a replaceable stylus. Replace the stylus when you notice a decrease in sound quality or after approximately 300-500 hours of playback. Refer to the Audio-Technica website or your local dealer for replacement styli.

Troubleshooting

If you encounter issues with your turntable, consult the following common troubleshooting tips:

- **No Power:** Ensure the AC adapter is securely connected to the turntable and a working power outlet.
- **No Sound:** Check all audio cable connections. Verify the PHONO/LINE switch is set correctly for your amplifier/speaker input. Ensure headphone volume is turned up if using headphones.
- **Skipping/Distorted Sound:** Ensure the record is clean and free of dust. Verify the turntable is on a stable, level surface. Check the stylus for damage or wear; replace if necessary.
- **Platter Not Spinning:** Check the drive belt to ensure it is correctly seated on the motor pulley and platter rim.

For further assistance, please contact Audio-Technica customer support.

Specifications

Model Name	AT-LP60XHP
Brand	Audio-Technica
Product Dimensions	19 x 18 x 6 inches
Item Weight	8.5 pounds
Maximum Rotational Speed	45 RPM
Material	Plastic
Color	Gunmetal
Special Feature	Adjustable Speed
Included Components	Turntable, ATH-250AV headphones, Detachable RCA output cable (3.5 mm male to dual RCA male), 45 RPM adapter, Removable hinged dust cover

Warranty and Support

Audio-Technica products are manufactured to high quality standards and are warranted against defects in materials and workmanship. For specific warranty terms, registration, and support information, please refer to the warranty card included with your product or visit the official Audio-Technica website.

For technical assistance, troubleshooting, or service inquiries, please contact Audio-Technica customer

support through their website or the contact information provided in your product documentation.