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Denon DP400

Denon DP-400 Record Player Instruction Manual

MODEL: DP-400 | BRAND: DENON

Introduction

The Denon DP-400 is a modern turntable designed to deliver a rich and vivid audio experience for your vinyl collection. Featuring a sleek design and robust build quality, this record player supports multiple speeds (33-1/3, 45, and 78 RPM) and includes advanced features like a built-in phono equalizer and a unique curved tonearm with auto-lift and playback stop. This manual provides detailed instructions for setting up, operating, and maintaining your DP-400 turntable to ensure years of listening enjoyment.



Image: Denon DP-400 Record Player in black finish, with the dust cover removed, highlighting the main components.

What's in the Box

Before you begin, please ensure all components are present:

- Turntable with tonearm
- Headshell with pre-mounted cartridge

- Platter
- Mat
- AC power adapter (attached 59" DC cord)

Setup

Follow these steps to correctly set up your Denon DP-400 turntable:

1. **Placement:** Place the turntable on a stable, level surface away from direct sunlight, heat sources, and strong vibrations.
2. **Platter Installation:** Carefully place the platter onto the spindle. Ensure it sits securely.
3. **Mat Placement:** Place the felt mat on top of the platter.
4. **Headshell & Cartridge:** The cartridge is pre-mounted on the headshell. Attach the headshell to the tonearm by twisting the locking nut until secure.
5. **Counterweight Adjustment:** Slide the counterweight onto the rear of the tonearm. Adjust it to balance the tonearm so it floats horizontally. Refer to the cartridge's recommended tracking force (typically 1.8g for the pre-mounted cartridge) and set the counterweight ring accordingly.
6. **Anti-Skating:** Set the anti-skating dial to match the tracking force.
7. **Dust Cover:** Attach the dust cover to the hinges at the back of the turntable.
8. **Connections:** Connect the RCA output cables to your amplifier or receiver. If your amplifier has a dedicated phono input, use that. If not, utilize the turntable's built-in phono equalizer by connecting to a standard line input. Ensure the ground wire is connected if using an external phono stage. Connect the AC power adapter.



Image: Denon DP-400 Record Player with its unique dust cover in place, protecting the components.

Video: Denon Connectivity Guide. This video demonstrates how to connect your Denon turntable to various audio systems, including amplifiers and receivers, highlighting the use of the built-in phono equalizer.

Operating

To play a record on your Denon DP-400:

1. **Power On:** Turn on your amplifier/receiver and the turntable.
2. **Select Speed:** Choose the appropriate speed (33-1/3, 45, or 78 RPM) using the speed selector switch.
3. **Place Record:** Carefully place your vinyl record on the platter.
4. **Start Playback:** Move the tonearm over the desired track. The auto-lift feature will gently lower the stylus onto the record. The turntable will automatically stop and lift the tonearm at the end of the record.
5. **Manual Stop:** To stop playback manually, lift the tonearm using the cueing lever and return it to the tonearm rest.

Maintenance

Proper maintenance ensures the longevity and performance of your turntable:

- **Cleaning:** Regularly wipe the turntable and dust cover with a soft, dry cloth. Avoid abrasive cleaners.
- **Stylus Care:** Use a soft brush to gently clean the stylus, moving from back to front. Replace the stylus when

worn to prevent damage to your records.

- **Record Care:** Keep your records clean and free of dust. Store them vertically in their sleeves to prevent warping.
- **Belt Check:** Periodically inspect the drive belt for wear or stretching. Replace if necessary.

Troubleshooting

If you encounter issues, refer to the following common solutions:

Problem	Solution
No sound or low volume	Check all cable connections. Ensure the phono/line switch is correctly set for your amplifier. Verify amplifier input selection and volume.
Distorted sound	Check stylus for damage or dirt. Ensure tracking force and anti-skating are correctly set. Verify record cleanliness.
Record speed is incorrect	Ensure the speed selector switch is set to the correct RPM for the record. Check the drive belt for proper placement and tension.
Tonearm does not move or lift automatically	Ensure the tonearm lock is disengaged. Check for any obstructions. If the issue persists, contact customer support.

Specifications

Feature	Detail
Product Dimensions	13.46 x 16.3 x 4.13 inches
Item Weight	11.03 pounds
Model Number	DP400
Brand	Denon
Maximum Rotational Speed	78 RPM
Special Feature	Equalizer (Built-in Phono Preamp)
Material	Plastic
Color	Black
Compatible Devices	AV Receiver, Amplifier, Integrated Amp, Mini Component, Powered Speakers

Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product or visit the official Denon website. Keep your purchase receipt for warranty claims.

