

[manuals.plus](#) /› [Denon](#) /

› Denon DP-450USB Semi-Automatic Analog Turntable Instruction Manual

Denon DP-450USB

Denon DP-450USB Semi-Automatic Analog Turntable Instruction Manual

Model: DP-450USB

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Denon DP-450USB Semi-Automatic Analog Turntable. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

1. SETUP

1.1 Unpacking and Component Identification

Carefully remove all components from the packaging. Ensure all items listed below are present:

- Turntable Unit
- Dust Cover
- USB Cable
- Power Adapter
- Platter
- Drive Belt (pre-installed or separate)
- Counterweight
- Headshell with Cartridge (pre-mounted)
- 45 RPM Adapter

1.2 Placement

Place the turntable on a stable, level surface away from direct sunlight, heat sources, and strong vibrations. Ensure adequate ventilation around the unit.

1.3 Platter and Belt Installation

1. Carefully place the platter onto the center spindle.
2. Locate the drive belt (if not pre-installed) and stretch it around the inner rim of the platter and over the

motor pulley.

1.4 Tonearm and Cartridge Setup

The DP-450USB typically comes with a pre-mounted cartridge. Follow these steps for tonearm balancing:

1. Remove the stylus protector.
2. Unlock the tonearm from its rest.
3. Adjust the counterweight by rotating it until the tonearm is balanced and floats horizontally.
4. Set the tracking force according to the cartridge manufacturer's specifications (typically 1.8g for the included cartridge).
5. Adjust the anti-skating dial to match the tracking force setting.

1.5 Dust Cover Installation

Attach the dust cover hinges to the designated slots on the rear of the turntable. The unique design allows the dust cover to double as a display stand for album covers.

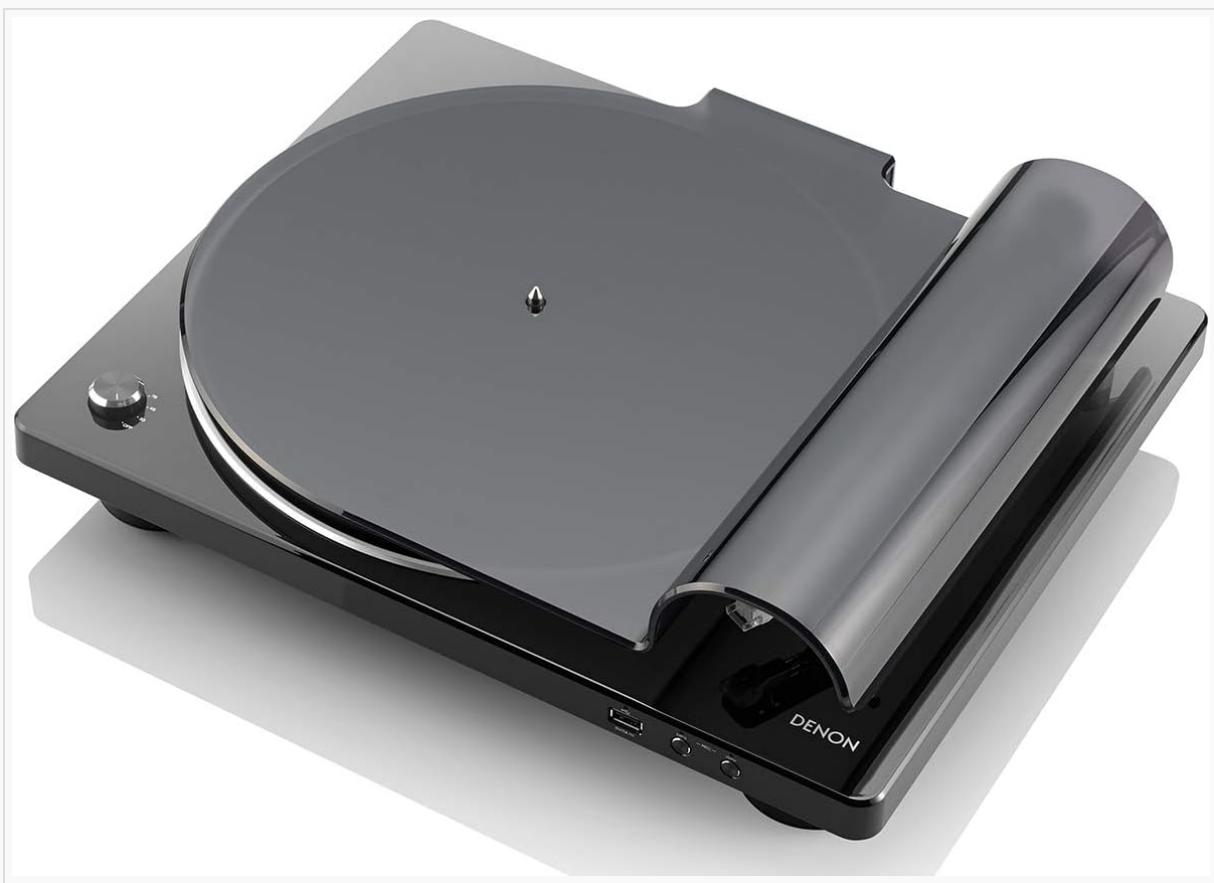


Image: Denon DP-450USB with its removable dust cover positioned to display an album jacket.

1.6 Connecting to an Audio System

The DP-450USB offers multiple connectivity options:

- **Analog Output (RCA):** Connect the RCA cables from the turntable's 'PHONO OUT' to your amplifier's phono input. If your amplifier lacks a phono input, use the built-in phono equalizer by setting the 'EQUALIZER' switch to 'ON'.
- **USB Output:** Connect the USB cable to your computer for digitizing vinyl records.



Image: Rear panel of the Denon DP-450USB, highlighting the RCA audio outputs, ground terminal, USB-A port, and power input.

Video: An overview of the Denon DP-450USB turntable, showcasing its features and design.

2. OPERATING INSTRUCTIONS

2.1 Power On/Off

To power on the turntable, rotate the power knob. The platter will begin to spin. To power off, rotate the knob to the 'OFF' position.

2.2 Playing a Record

1. Place a record on the platter.
2. Select the appropriate speed (33 1/3, 45, or 78 RPM) using the speed selector switch.
3. Press the 'START' button. The tonearm will automatically lift, move to the beginning of the record, and gently lower the stylus onto the groove.
4. At the end of the record, the tonearm will automatically lift and return to its rest, and the platter will stop spinning.

2.3 Speed Selection

The DP-450USB supports three playback speeds: 33 1/3 RPM (for LPs), 45 RPM (for singles), and 78 RPM (for vintage shellac records). Use the selector switch to choose the correct speed for your record.



Image: Overhead view of the Denon DP-450USB turntable, displaying the platter, tonearm, and speed selection controls.

2.4 USB Recording

To digitize your vinyl collection, connect the turntable to your computer via the USB-A port. Use compatible recording software (e.g., MusiCut for PC) to capture audio in MP3 or WAV formats.

2.5 Bluetooth Connectivity (if applicable)

While the DP-450USB model does not feature built-in Bluetooth, some variants of Denon turntables offer this functionality. If you have a Bluetooth-enabled Denon turntable, refer to its specific instructions for pairing with compatible devices.

Video: A merchant video demonstrating the Denon DP-400 Hi-Fi Turntable, which shares many operational similarities with the DP-450USB.

3. MAINTENANCE

3.1 Cleaning the Stylus

Gently brush the stylus from back to front using a soft brush designed for stylus cleaning. Avoid touching the stylus with your fingers.

3.2 Cleaning the Turntable

Wipe the turntable chassis and platter with a soft, dry cloth. For stubborn marks, use a slightly damp cloth and dry immediately. Avoid abrasive cleaners or solvents.

3.3 Dust Cover Care

Clean the dust cover with a soft, lint-free cloth. Use a mild, non-abrasive cleaner if necessary. Avoid harsh chemicals that can scratch or cloud the plastic.

4. TROUBLESHOOTING

- **No Sound:** Check all cable connections (RCA, power). Ensure the phono equalizer switch is set correctly (ON if connecting to a line-level input, OFF if connecting to a phono input). Verify amplifier and speaker settings.
- **Skipping or Distortion:** Check if the record is clean and free of dust. Verify tonearm balance, tracking force, and anti-skating settings. Ensure the turntable is on a stable, level surface.
- **Incorrect Speed:** Confirm the speed selector switch is set to the correct RPM for the record being played.
- **USB Recording Issues:** Ensure the USB cable is securely connected and your recording software is correctly configured to recognize the turntable as an audio input device.

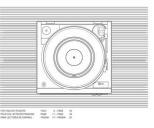
For further assistance, please refer to the comprehensive troubleshooting guide on the Denon support website or contact customer service.

5. SPECIFICATIONS

Feature	Specification
Product Dimensions	13.46 x 16.3 x 4.13 inches
Item Weight	11.03 pounds
Item Model Number	DP450 USB
Maximum Rotational Speed	78 RPM
Included Components	Dust cover, Turntable, USB
Special Feature	Equalizer
Material	Plastic
Color	Black
Compatible Devices	Personal Computer, Speaker

6. WARRANTY AND SUPPORT

Your Denon DP-450USB turntable is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms and conditions. For technical support, service, or warranty claims, please visit the official Denon website or contact Denon customer service directly.

 <p>User Manual of Product 1 Denon DP-450USB Fully Automatic Turntable System with Auto Stop & Reverse, Denon Direct Drive Functions, Easy Clean with Glass Turntable, P/M Heads, 3.5 to 5.5m User Manual Denon DP-450USB Denon Fully Automatic Turntable System Denon DP-450USB Denon DP-450USB Turntable Owner's Manual</p>	<p>Denon DP-450USB Turntable Owner's Manual</p> <p>Comprehensive owner's manual for the Denon DP-450USB turntable, covering setup, features, operation, recording to USB, troubleshooting, and specifications for optimal audio playback.</p>
 <p>DENON DP-450USB Quick Start Guide Read Me First... DENON DP-450USB Turntable Quick Start Guide</p>	<p>Denon DP-450USB Turntable Quick Start Guide</p> <p>A quick start guide for setting up and operating the Denon DP-450USB turntable, covering unpacking, assembly, connections, playback, and USB recording.</p>
<p>DENON FOLY AUTOMATIC TURNTABLE SYSTEM DP-200USB</p>  <p>Owner's Manual Mode d'emploi Manual de Usuario Manual de Funcionamiento Instrucciones de Uso</p>	<p>DENON DP-200USB Fully Automatic Turntable System Owner's Manual</p> <p>This owner's manual provides comprehensive instructions for the DENON DP-200USB Fully Automatic Turntable System, covering setup, operation, recording to USB, editing, troubleshooting, and specifications. Learn how to enjoy your vinyl collection and digitize your records.</p>
<p>DENON FOLY AUTOMATIC DIRECT DRIVE TURNTABLE SYSTEM DP-45F/DP-45F</p>  <p>INSTRUCTION MANUAL BOOK D'INSTRUCTION BEDIENTSANLEITUNG NIPPON COLUMBIA CO., LTD.</p>	<p>Denon DP-45F Turntable: User Manual and Operation Guide</p> <p>Comprehensive guide for the Denon DP-45F turntable, covering setup, operation, maintenance, and troubleshooting. Learn how to enjoy your vinyl collection with this high-quality audio equipment.</p>
<p>DENON FOLY AUTOMATIC TURNTABLE SYSTEM DP-29F</p>  <p>OPERATING INSTRUCTIONS MODE D'EMPLOI INSTRUCCIONES DE OPERACIÓN</p>	<p>DENON DP-29F Fully Automatic Turntable System Operating Instructions</p> <p>Comprehensive operating instructions for the DENON DP-29F Fully Automatic Turntable System, covering safety, setup, operation, troubleshooting, and technical specifications. Includes guidance on record playback and maintenance.</p>
<p>DENON FOLY AUTOMATIC DIRECT DRIVE TURNTABLE SYSTEM DP-300F</p>  <p>OPERATING INSTRUCTIONS MODE D'EMPLOI INSTRUCCIONES DE OPERACIÓN</p>	<p>DENON DP-300F Turntable Operating Instructions</p> <p>Comprehensive operating manual for the DENON DP-300F turntable, covering setup, adjustments, playback, maintenance, and troubleshooting for an optimal vinyl experience.</p>