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> [Denon DNS3500 DJ Tabletop CD and MP3 Player User Manual](#)

## Denon DNS3500

# Denon DNS3500 DJ Tabletop CD and MP3 Player User Manual

Model: DNS3500

## INTRODUCTION

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This manual provides comprehensive instructions for the setup, operation, and maintenance of your Denon DNS3500 DJ Tabletop CD and MP3 Player. Please read this manual thoroughly before using the unit to ensure proper and safe operation. Retain this manual for future reference.

## IMPORTANT SAFETY INFORMATION

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- **Power Supply:** Use only the specified power supply voltage. Ensure the power cord is securely connected and not damaged.
- **Moisture:** Do not expose the unit to rain, moisture, or excessive humidity. Avoid placing liquid-filled objects on the unit.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Placement:** Place the unit on a stable, level surface. Avoid direct sunlight, heat sources, or excessive dust.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified service personnel.

**WARNING: To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.**

## KEY FEATURES

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- **High Torque Direct Drive Motor:** 12-pole brushless motor design for instant full rotation speed and powerful performance.
- **Adjustable Speeds:** Supports 33 and 45 R.P.M. for versatile playback.
- **Integrated Effects:** Features 7 on-board effects for creative audio manipulation.
- **Quick Start-up:** Achieves 2.5kg/cm of start-up torque within 0.5 seconds for responsive control.
- **Sampling and Scratching:** Allows on-the-fly sampling from CD/MP3 tracks and scratch overlays with full platter control.
- **Deep Pitch Resolution:** Offers precise pitch control for seamless long mix transitions.

# SETUP GUIDE

## 1. Unpacking and Inspection

Carefully remove the Denon DNS3500 from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Ensure all accessories, including the power cord and any included cables, are present.

## 2. Connecting the Unit

Before connecting any cables, ensure the unit and all connected audio equipment are powered off.

1. **Audio Output:** Connect the RCA audio output jacks (LINE OUT) on the rear panel of the DNS3500 to an available input on your DJ mixer or amplifier using RCA cables.
2. **Digital Output:** If your mixer or amplifier supports digital audio input, connect the DIGITAL OUT coaxial jack to the corresponding input.
3. **Power Connection:** Connect the power cord to the AC IN socket on the rear panel, then plug the other end into a suitable power outlet.



Figure 1: Rear panel connections of the Denon DNS3500, illustrating RCA Line Out, Digital Out, and power input.



Figure 2: Close-up of the Denon DNS3500 rear panel, highlighting the power switch and safety warnings.

### 3. Initial Power On

After all connections are made, switch on your mixer/amplifier first, then power on the Denon DNS3500 using the power switch located on the rear panel. The display will illuminate, indicating the unit is ready for operation.

## OPERATING INSTRUCTIONS

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### 1. Loading a Disc

Press the **DISC EJECT** button to open the disc tray. Place a CD or MP3 CD onto the tray with the label side facing up. Gently push the tray back in or press **DISC EJECT** again to close it. The unit will read the disc and display track information.



Figure 3: Overview of the Denon DNS3500 control panel, showing the disc tray area and main buttons.

## 2. Basic Playback

- **Play/Pause:** Press the **PLAY/PAUSE** button to start or pause playback.
- **Cue:** Press the **CUE** button to set a cue point or return to the previously set cue point.
- **Track Selection:** Use the **NEXT TRACK** and **PREVIOUS TRACK** buttons to navigate between tracks.

## 3. Platter Control and Scratching

The DNS3500 features a high-torque direct drive platter that simulates the feel of a vinyl turntable. In **VINYL** mode, you can manipulate the platter for scratching and back-cueing. The platter offers 2.5kg/cm of start-up torque for responsive control.



Figure 4: Detailed view of the Denon DNS3500's motorized platter and adjacent controls for effects and pitch adjustment.

#### 4. Pitch Control

Adjust the playback speed using the **PITCH** slider. The DNS3500 offers deep pitch resolution for fine adjustments, essential for beatmatching and long mix transitions. Use the **PITCH BEND** buttons for momentary speed adjustments.

#### 5. On-board Effects

The unit includes 7 built-in effects. Use the **EFFECTS** section to select and apply effects such as Flanger, Echo, and Filter. Adjust parameters using the dedicated knobs to customize the sound.

#### 6. Sampling and Looping

The DNS3500 allows you to sample parts of your tracks on the fly. Use the **SAMPLER** controls to record and playback

short audio segments. The looping functions enable seamless repetition of sections within a track.

## MAINTENANCE

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### 1. Cleaning

Regularly clean the exterior of the unit with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish and internal components. Keep the disc tray area free of dust and debris.

### 2. Firmware Updates

Periodically check the Denon DJ website for available firmware updates. Firmware updates can improve performance, add new features, or resolve known issues. Follow the instructions provided with the firmware update package carefully to avoid damaging the unit.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Unit does not power on.	Power cord not connected; power outlet faulty; unit's power switch off.	Ensure power cord is securely connected. Test power outlet with another device. Verify unit's power switch is in the ON position.
No audio output.	RCA cables incorrectly connected; mixer/amplifier input not selected; volume levels too low.	Check RCA cable connections to both the DNS3500 and your mixer/amplifier. Select the correct input channel on your mixer. Increase volume levels on both the DNS3500 (if applicable) and your mixer/amplifier.
Disc not reading or skipping.	Disc is dirty or scratched; disc inserted incorrectly; laser lens dirty.	Clean the disc with a soft cloth. Ensure the disc is inserted correctly. If the problem persists, the laser lens may require cleaning by a qualified technician.
Pitch or platter speed inconsistencies.	Internal calibration issue; firmware outdated.	Check for and apply the latest firmware updates from the Denon DJ website. If the issue persists, contact Denon customer support for further assistance.

## SPECIFICATIONS

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**Model:** DEN DNS3500

**Brand:** Denon

**Item Weight:** 19.58 pounds (8.88 kg)

**Product Dimensions:** 14 x 12 x 7 inches (35.56 x 30.48 x 17.78 cm)

**Connectivity Technology:** Auxiliary, RCA

**Signal Format:** Digital

**Compatible Devices:** Serato (via compatible mixer/interface)

**Special Features:** Equalizer, Programmable Memory

**Material Type:** Vinyl (referring to platter feel)

**Color:** Gray

**First Available:** October 12, 2006

## CUSTOMER SUPPORT AND WARRANTY

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For technical assistance, service, or warranty inquiries, please contact Denon customer support. Refer to the official Denon website for the most current contact information and warranty details applicable to your region.

**Denon Official Website:** [www.denon.com](http://www.denon.com)



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