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Denon DJ DS1

Denon DJ DS1 Digital Vinyl Audio Interface

USER MANUAL

Model: DS1

1. Introduction

The Denon DJ DS1 is a compact, professional Digital Vinyl System (DVS) interface designed for use with Serato DJ Pro. It allows DJs to control their Serato digital music libraries using traditional turntables or CD players equipped with Serato NoiseMap control vinyl or CDs. The DS1 provides studio-grade 24-bit/96kHz audio conversion, ensuring high-fidelity sound reproduction for your performances.

This manual provides essential information for setting up, operating, and maintaining your DS1 interface, ensuring optimal performance and longevity.

2. Package Contents

Before you begin, please ensure all items listed below are present in your package:

- Denon DJ DS1 Interface
- USB Cable
- 4x RCA Cables
- 2x Serato NoiseMap Control Vinyl Records
- Serato NoiseMap Control CD
- Quickstart Guide (this manual)

3. Setup

Follow these steps to connect your Denon DJ DS1 interface to your DJ setup:

1. **Software Installation:** Download and install the latest version of Serato DJ Pro and the Serato DVS Expansion Pack from the official Serato website. No additional purchase is necessary for the DVS Expansion Pack with the DS1.

2. **Connect Turntables/CD Players:** Connect the RCA output cables from your turntables or CD players to the corresponding **INPUTS (Left/Right)** on the rear of the DS1 interface.
3. **Ground Connection (for Turntables):** If using turntables, connect the ground wire from each turntable to the **GND** terminal on the rear of the DS1.
4. **Input Mode Selection:** Use the **CD (UP) / PHONO (DOWN)** switch next to the inputs to select the correct input type for your devices (CD for CD players, PHONO for turntables).
5. **Connect to Mixer:** Connect the RCA output cables from the **OUTPUTS (Left/Right)** on the front of the DS1 interface to available line-level inputs on your DJ mixer. Ensure these are not phono inputs, as this can cause distortion.
6. **Connect to Computer:** Connect the supplied USB cable from the **USB** port on the DS1 to an available USB port on your computer. The DS1 is USB-powered, so no external power adapter is required. The Power indicator LED on the front will illuminate when connected.
7. **Launch Serato DJ Pro:** Once all connections are made, launch Serato DJ Pro on your computer. The software should automatically detect the DS1 interface.



Figure 1: Top view of the Denon DJ DS1 interface, showing input and output connections.



Figure 2: Front view of the Denon DJ DS1 interface with outputs and USB port.



Figure 3: Rear view of the Denon DJ DS1 interface with inputs and ground terminal.

Setup Demonstration Video

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This video demonstrates the physical connections for the Denon DJ DS1 Digital Vinyl System interface, showing how to connect RCA cables from turntables/CD players to the DS1 inputs, and from the DS1 outputs to a mixer, along with the USB connection to a computer. It also briefly illustrates the use of control vinyl with the setup.

4. Operating Instructions

Once your DS1 is set up and Serato DJ Pro is running, you can begin using your digital music library with your analog equipment:

1. **Load Control Media:** Place a Serato NoiseMap control vinyl record on your turntable or insert a Serato NoiseMap control CD into your CD player.
2. **Select Deck in Serato DJ Pro:** In Serato DJ Pro, ensure the correct deck (Left or Right) is selected for control.
3. **Load Track:** Drag and drop a digital music file from your Serato DJ Pro library onto the virtual deck.
4. **Control Playback:** Use your physical turntable or CD player to control the playback of the digital

track. The movements of your control vinyl/CD will be translated into the software, allowing for scratching, mixing, and other DJ techniques.

5. **Adjust Settings:** Utilize the various controls within Serato DJ Pro to adjust tempo, pitch, effects, and other parameters as needed.

For detailed information on Serato DJ Pro features and controls, refer to the official Serato DJ Pro user manual available on their website.

5. Maintenance

To ensure the longevity and optimal performance of your Denon DJ DS1, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the DS1. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Storage:** When not in use, store the DS1 in a cool, dry place away from direct sunlight and extreme temperatures. The compact and rugged design makes it suitable for travel, but proper protection during transport is recommended.
- **Cable Management:** Ensure all cables are connected securely and are not excessively bent or strained. Proper cable management helps prevent damage to the connectors and internal wiring.
- **Software Updates:** Regularly check the Denon DJ and Serato websites for firmware updates for the DS1 and software updates for Serato DJ Pro. Keeping your software and firmware up-to-date ensures compatibility and access to the latest features and bug fixes.

6. Troubleshooting

If you encounter issues with your Denon DJ DS1, refer to the following common troubleshooting steps:

- **No Sound Output:**
 - Verify all RCA cables are securely connected to the correct inputs and outputs.
 - Ensure the **CD (UP) / PHONO (DOWN)** switch on the DS1 is set correctly for your input source.
 - Check that the DS1 outputs are connected to *line-level* inputs on your mixer, not phono inputs. Connecting to phono inputs can cause severe distortion or no sound.
 - Confirm that the volume levels on your mixer, amplifier, and Serato DJ Pro are appropriately set.
- **Serato DJ Pro Not Recognizing DS1:**
 - Ensure the USB cable is firmly connected to both the DS1 and your computer.
 - Try connecting the USB cable to a different USB port on your computer.
 - Restart Serato DJ Pro and your computer.
 - Check the Denon DJ website for the latest drivers or firmware updates for the DS1.
- **Poor Tracking or Jittery Playback:**
 - Ensure your Serato NoiseMap control vinyl records or CDs are clean and free of scratches or dust.
 - Check your turntable's stylus and cartridge for wear or damage.
 - Verify that your turntable's tonearm is properly balanced and the anti-skate setting is correct.
 - Adjust the input gain levels within Serato DJ Pro to ensure a strong, clean signal from your control media.

If these steps do not resolve your issue, please contact Denon DJ customer support or visit their official website for further assistance.

7. Specifications

Feature	Description
Brand	Denon DJ
Model	DS1
Compatible Devices	Speakers, Turntables, CD Players
Supported Software	Serato DJ Pro, Serato DVS Expansion Pack
Connectivity Technology	USB
Number of Channels	2
Maximum Sample Rate	96 KHz
Audio Input	RCA
Operating System	Windows (and macOS, as implied by Serato DJ Pro compatibility)
Item Weight	0.55 Pounds (approx. 0.25 kg)

8. Warranty Information

The Denon DJ DS1 comes with a **one-year parts and labor warranty** from the date of original purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

For detailed warranty terms and conditions, or to initiate a warranty claim, please visit the official Denon DJ website or contact their customer support.

9. Support

For technical support, product registration, or additional resources, please visit the official Denon DJ website:

www.denondj.com

You can also find comprehensive FAQs and community forums on the Serato website for software-related inquiries:

www.serato.com