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Pioneer PDR-N902

Pioneer PDR-N902 Compact Disc Recorder User Manual

Model: PDR-N902

Introduction

This manual provides essential information for the safe and efficient operation of your Pioneer PDR-N902 Compact Disc Recorder. Please read it thoroughly before use and retain it for future reference.
The Pioneer PDR-N902 is a high-quality compact disc recorder designed for both playback and recording of audio CDs, CD-R, and CD-RW discs. It features 24-bit Legato Link Conversion for enhanced audio fidelity and a sampling rate converter. It also supports CD Text for naming discs and tracks, and includes a synchronized recording mode for convenience.

Important Safety Instructions

- **Power Source:** Connect the unit only to an AC 100V, 50/60Hz power supply.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Moisture:** Do not expose the unit to rain or moisture to prevent fire or electric shock.
- **Foreign Objects:** Do not insert any objects into the unit's openings.
- **Servicing:** Refer all servicing to qualified service personnel.

Setup

1. Unpacking

Carefully remove the PDR-N902 from its packaging. Check for any signs of damage. Retain the packaging for future transport.

2. Placement

Place the unit on a stable, level surface away from direct sunlight, heat sources, and excessive dust or vibration. Ensure sufficient space around the unit for proper ventilation.

3. Connections

Follow these steps to connect your PDR-N902 to your audio system:

1. **Audio Output (Playback):** Connect the RCA audio output terminals (L/R) of the PDR-N902 to an available analog input on your amplifier or receiver using RCA cables.
2. **Audio Input (Recording):** Connect the RCA audio input terminals (L/R) of the PDR-N902 to the analog output of your source component (e.g., CD player, tuner) using RCA cables.
3. **Digital Input:** For digital recording, connect up to three optical digital input terminals from your digital source components to the PDR-N902.
4. **Digital Output:** If desired, connect the optical digital output terminal to a digital input on your amplifier or DAC.
5. **Power Connection:** Once all audio connections are made, plug the power cord into an AC 100V, 50/60Hz wall outlet.



Figure 1: Illustration of the rear panel connections for the Pioneer PDR-N902. This image shows the various input and output ports, including RCA analog inputs/outputs and optical digital inputs/outputs, along with the power inlet.

Operating Instructions

1. Basic Playback

1. Press the **POWER** button to turn on the unit.
2. Press the **OPEN/CLOSE** button to open the disc tray.
3. Place a CD, CD-R, or CD-RW disc onto the disc tray with the label side up.
4. Press the **OPEN/CLOSE** button again to close the disc tray. The unit will read the disc.
5. Press the **PLAY** button to start playback.
6. Use the **STOP**, **PAUSE**, **SKIP**, and **SEARCH** buttons for playback control.

2. Recording to CD-R/CD-RW

The PDR-N902 allows recording from analog or digital sources to recordable CD-R or CD-RW discs.

1. Insert a blank recordable CD-R or CD-RW disc into the disc tray.
2. Select the desired input source (e.g., Optical 1, Analog) using the **INPUT SELECTOR** button.
3. Start playback on your source component.
4. Press the **RECORD** button on the PDR-N902 to begin recording. The unit supports a synchronized recording mode.
5. Press the **STOP** button to end recording.

6. **Finalizing the Disc:** After recording, the disc must be finalized to be playable on standard CD players. Refer to the unit's display and control buttons for the finalization process.

3. CD Text Function

The PDR-N902 supports CD Text, allowing you to input disc and track names. Refer to the unit's display and control buttons for navigating and entering text.

Maintenance

1. Cleaning the Unit

- Disconnect the power cord before cleaning.
- Wipe the exterior of the unit with a soft, dry cloth.
- Do not use abrasive cleaners, waxes, or solvents.

2. Disc Care

- Handle discs by their edges to avoid fingerprints.
- Store discs in their cases when not in use.
- Clean dirty discs with a soft, lint-free cloth, wiping from the center outwards.

Troubleshooting

Problem	Possible Cause	Solution
No power	Power cord not connected securely.	Check power cord connection to the unit and wall outlet.
No sound during playback	Incorrect audio cable connection; amplifier input not selected.	Verify RCA or optical cable connections. Select the correct input on your amplifier.
Disc not playing/reading	Disc is dirty, scratched, or inserted incorrectly.	Clean the disc. Ensure it is inserted label-side up. Try another disc.
Recording fails	Incorrect input source selected; disc is not recordable (CD-R/CD-RW); disc is full or not finalized.	Select the correct input. Use a blank CD-R or CD-RW. Finalize previous recordings if necessary.

Specifications

Feature	Specification
Frequency Response (Playback)	2Hz – 20kHz
Playback S/N Ratio (EIAJ)	115dB
Playback Dynamic Range (EIAJ)	99dB

Feature	Specification
Playback Total Harmonic Distortion (EIAJ)	0.003%
Playback Channel Separation	93dB
Recording S/N Ratio	92dB
Recording Dynamic Range	92dB
Recording Total Harmonic Distortion	0.005%
Output Voltage	1.8V
Wow and Flutter (EIAJ)	Below measurement limits (±0.001% W.PEAK)
Number of Channels	2 Channels (Stereo)
Digital Output (Optical)	-15dBm to -21dBm (Wavelength 660nm), Frequency Deviation: Level 2 (Standard Mode)
Input Terminals	Optical Digital Input x3, Recording Input (RCA) L/R x1
Output Terminals	Optical Digital Output x1, Playback Output (RCA) L/R x1
Disc Compatibility	CD, CD-R, CD-RW
Power Requirements	AC 100V, 50/60Hz
Power Consumption	16W (Standby: 2.7W)
Operating Temperature	+5°C to +35°C
Weight	2.4kg
Dimensions (W x D x H)	212mm x 305mm x 75mm

Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Pioneer website. Keep your proof of purchase for warranty claims.
Pioneer Official Website: www.pioneer-audiovisual.com

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