Numark NDX500

Numark NDX500 USB/CD Player and Software Controller User Manual

Model: NDX500 | Brand: Numark

INTRODUCTION

The Numark NDX500 is a versatile USB/CD media player and software controller designed for DJs. It offers comprehensive standalone functionality, allowing you to play and mix music from various digital audio sources, including USB flash drives, CDs, and MP3 CDs, without requiring a computer. Additionally, the NDX500 features a built-in audio interface and USB-MIDI Mode for seamless integration with DJ software. Its touch-sensitive jog wheel provides precise control for scratching, searching, and backspinning. The adaptive platter technology ensures consistent performance by automatically calibrating itself to environmental changes. Adjustable start/stop times enable vinyl-style braking and power-up/down effects.

BOX CONTENTS

Upon unpacking your Numark NDX500, please ensure all the following items are present:

- NDX500 Unit
- Power Cable
- USB Cable
- User Guide
- RCA Audio Cable
- Safety & Warranty Manual

SETUP

Follow these steps to set up your Numark NDX500 for optimal performance.

1. Power Connection

Connect the included power cable to the power input on the rear panel of the NDX500 and then to a suitable power outlet. **Important:** Before powering on, verify the voltage selector switch on the rear panel is set correctly for your region (115V 60Hz for North America, 230V 50Hz for Europe and other regions). Incorrect voltage selection can

damage the unit.

Image: Rear panel of the Numark NDX500, highlighting the power input and the 115V/230V selector switch.

2. Audio Connections

Use the supplied RCA audio cable to connect the NDX500's LINE OUT ports (Left and Right) to an available input on your DJ mixer or audio system.

3. USB Connection (for Software Control)

To use the NDX500 as a software controller or audio interface with your computer, connect the USB cable from the NDX500's USB port to an available USB port on your computer. Ensure any necessary drivers or software (e.g., Serato DJ) are installed on your computer.

Image: The Numark NDX500 unit displayed with its accompanying USB and RCA audio cables, ready for connection.

OPERATING INSTRUCTIONS

This section covers the basic operation of your NDX500.

1. Powering On/Off

Press the POWER button on the rear panel to turn the unit on or off. Allow a few seconds for the unit to initialize.

2. Media Playback (CD/USB)

- **CD Playback:** Insert an audio CD, CD-R, CD-RW, or MP3 CD into the disc slot. The unit will automatically read the disc.
- **USB Playback:** Insert a USB flash drive into the USB port on the top panel. Use the **SOURCE** button to select USB mode and the **FOLDER** button to navigate through files and folders.

Image: Front panel of the Numark NDX500, displaying the jog wheel, screen, and various control buttons for media playback and DJ functions.

3. Jog Wheel Functions

The touch-sensitive jog wheel allows for precise control:

- **Scratch:** Engage the **SCRATCH** button, then manipulate the jog wheel for scratching effects.
- **Search:** Rotate the jog wheel to quickly scan through a track.
- **Backspin:** Apply pressure and rotate the jog wheel counter-clockwise for backspin effects.

4. Pitch Control and Master Tempo

Use the pitch slider to adjust the playback speed of the track. The **MASTER TEMPO** function allows you to change the tempo without affecting the musical key.

5. Hot Cues and Looping

- **Hot Cues:** Use the three **HOT CUE** buttons (1, 2, 3) to set and recall specific points in your track.
- **Looping:** Press **LOOP IN** to set the start of a loop and **LOOP OUT** to set the end. Press **RELOOP** to re-

engage the last saved loop.

6. Software Control (USB-MIDI Mode)

When connected to a computer via USB, the NDX500 can operate in USB-MIDI mode to control compatible DJ software. Refer to your software's documentation for specific mapping and control details. The NDX500 also functions as an audio interface, allowing audio playback from your computer.

FEATURES OVERVIEW

- **Standalone Media Player:** Supports CDs, MP3 CDs, and MP3s from USB thumb drives.
- **DJ Software Controller:** Full USB MIDI control for mainstream DJ software.
- **Built-in Audio Interface:** Play back music from your Mac or PC directly through the unit.
- **Touch-Sensitive Jog Wheel:** Provides precise scratch and search capabilities.
- **Radiant Text Display:** For easy navigation of media files.
- **Auto BPM with Tap Override:** For instant tempo analysis and manual adjustment.
- **Adjustable Start/Stop Time:** Creates vinyl-style braking and power-up/down effects.
- **Anti-Shock Buffered Skip-Protection:** Ensures uninterrupted playback.
- **Three Hot Cues:** Quick access to key points in a track.
- **Seamless Looping:** With stutter start for easy loop creation.
- **Pitch Control:** Adjust tracks up or down by up to 100%.
- **Master Tempo:** Preserves musical key during pitch shifting.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your NDX500.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid abrasive cleaners or solvents.
- **Disc Slot:** Keep the disc slot free of dust and debris. Do not insert foreign objects.
- **Storage:** When not in use, store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure proper ventilation around the unit to prevent overheating. Do not block ventilation openings.

TROUBLESHOOTING

If you encounter issues with your NDX500, refer to the following common solutions:

- **Unit Does Not Power On:**

  - Ensure the power cable is securely connected to both the unit and a working power outlet.
  - **Check the Voltage Selector Switch:** On the rear panel, verify that the 115V/230V switch is set to the correct voltage for your region. An incorrect setting can prevent the unit from powering on or functioning properly.

- **Disc Not Reading / USB Not Recognized:**

  - Ensure the disc is clean and free of scratches.
  - Verify the USB drive is formatted correctly (FAT32) and contains compatible audio files (MP3).

- Try a different USB drive or disc to rule out media issues.

- **No Audio Output:**

    - Check all audio cable connections between the NDX500 and your mixer/audio system.
    - Ensure the correct input is selected on your mixer/audio system.
    - Adjust volume levels on both the NDX500 and your mixer.

- **Software Control Issues:**

    - Ensure the USB cable is securely connected.
    - Verify that the necessary drivers for the NDX500 are installed on your computer.
    - Check your DJ software settings to ensure the NDX500 is recognized and configured correctly.

For further assistance, consult the full user guide or contact Numark customer support.

SPECIFICATIONS

Feature	Specification
Disc Type	Redbook CD, CD-R, CD-RW, MP3 CD
Frequency Response	± 2 dB (20 Hz - 20,000 Hz)
THD	<0.03%
Signal-to-Noise Ratio	80 dB (A-weighted)
Output Level	1.9 V (+ 0.2)
Channel Separation	> 80 dB
Channel Difference	<1 dB
Pitch Control Range	± 4%, 8%, 16%, or 100%
Power Supply	115/230 V AC, 60/50 Hz
Power Consumption	20 W
Dimensions (W x D x H)	8.5 x 11.5 x 4.2 inches (21.6 x 29.2 x 10.7 cm)
Weight	7.1 lbs (3.2 kg)
Item Model Number	NDX500
Connectivity Technology	USB

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the "Safety & Warranty Manual" included in your product box. This document outlines the terms and conditions of your warranty coverage.

For technical support, product registration, or to download the latest drivers and software, please visit the official Numark website. You can also find contact information for customer service there.

Online Resources: www.numark.com