

QUICK-START GUIDE

NUMARK NS7II

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DJ

Installation And Setup

The Numark NS7 II requires drivers for both Mac and Windows. You will find these on the installation CD that is provided with your Numark NS7, or go to <http://serato.com/dj/support>

NOTE: Please ensure you have the latest available drivers AND firmware updates, which may be required in order to be compatible with Serato DJ. Please go to <http://serato.com/dj/support>

1. Download and install the latest version of Serato DJ from <http://serato.com/dj/downloads>
2. Connect your Numark NS7 II to an available USB Port.
3. Open Serato DJ.

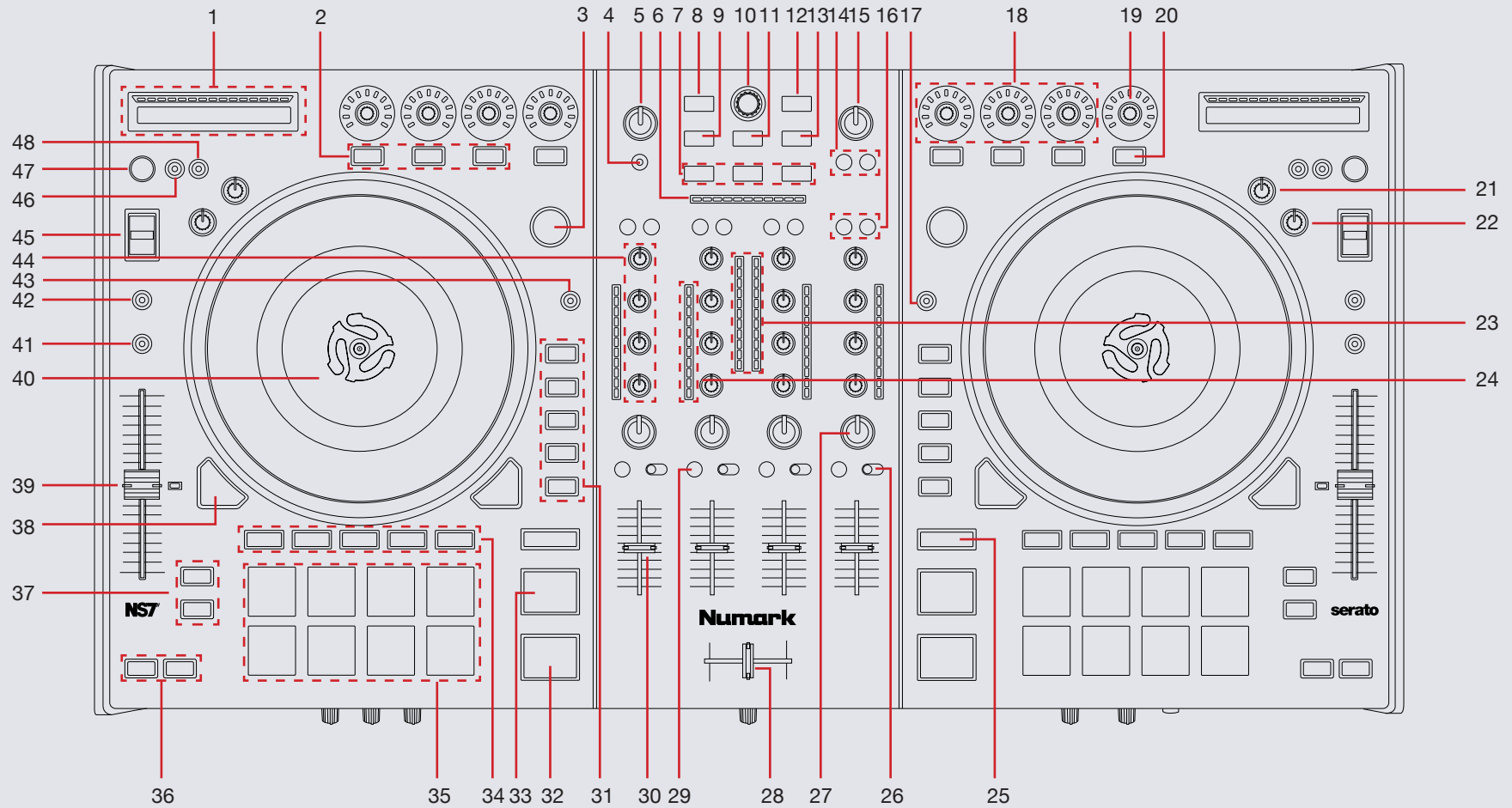
NOTE: The Numark NS7 II does not require a Serato DJ license purchase. When you first download Serato DJ you will see the MY SERATO panel appear on the right hand side for you to manage your Serato DJ licenses and Expansion Packs.

Simply tick the box DO NOT SHOW AGAIN in the bottom right hand corner, then click on **My Serato** which will hide this panel. Serato DJ will remember these settings for when you next open the software.

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Controller



NOTE: The DELETE (SHIFT) button is used with other buttons that have shift modifier functions.

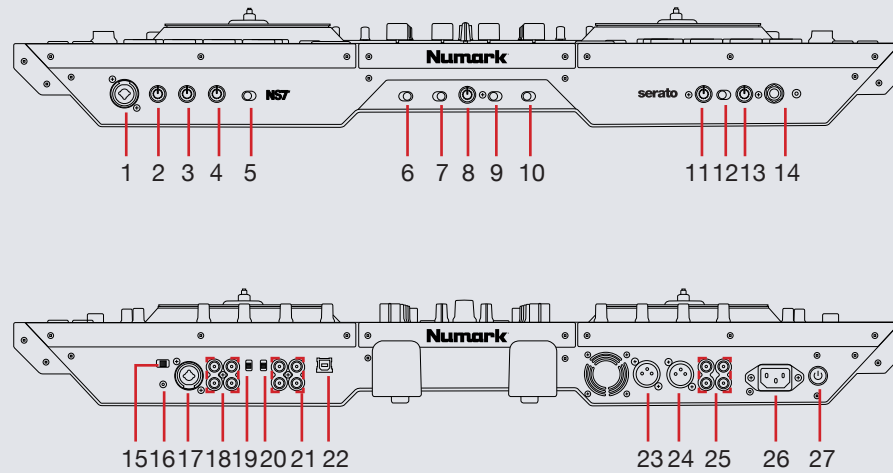
#	Numark NS7MK II CONTROLS	SERATO DJ FUNCTIONS	DELETE (shift)
1	STRIP SEARCH	Playhead Jump to Position	
2	FX ON	Effect Slot Enable	FX Select
3	SHIFT	Software Shift Modifier	
4	VIEW	Cycle through available Panel	Cycle through available View modes.
5	MIXER BOOTH GAIN (ABSOLUTE)	Booth Volume	
6	BPM METER	Mixer Tempo/Phase Graph	
7	LOAD	Load Funtionality	
8	BACK	Navigate Back	Sort Library Crate by TRACK #
9	CRATES	View Crates	Sort Library/Crate by Song
10	BROWSE KNOB	Library Scroll	
11	PREPARE	Open/Close Prepare Panel	Sort Library/Crate by Artist
12	FORWARD	Navigate Forward	Sort Library/Crate by Album
13	FILES	Open/Close Files Panel	Sort Library/Crate by BPM
14	MASTER FX ASSIGN	Master FX Assign A,B	
15	MASTER VOLUME	Master Volume Control Knob	
16	CHANNEL FX ASSIGN	Channel FX Assign	
17	FILTER MODE	Enables Filter Rolls	Enables Filter FX control
18	FX PARAM (knob)	Adjusts FX Parameter Depth	
19	FX BEATS (knob)	Adjusts FX beats Parameter	
20	FX TAP TEMPO	Tap to adjust FX Tempo	FX Mode Select
21	START TIME	Adjust Platter Start	
22	STOP TIME	Adjust Platter Stop	
23	MASTER LEVEL	Displays the Master Audio's output	
24	CHANNEL LEVEL	Displays the Channel Audio's output	

NOTE: The DELETE (SHIFT) button is used with other buttons that have shift modifier functions.

#	Numark NS7MK II CONTROLS	SERATO DJ FUNCTIONS	DELETE (shift)
25	SYNC	Sync On	Sync Off
26	INPUT SELECT	Select PC/Mic/Line inputs of channel	
27	FILTER (knob)	LPF/HPF Filter Combo Adjust	
28	CROSSFADER	Outputs the sound assigned with the crossfader assign switch	
29	CUE	Cue Selected Channel	
30	CHANNEL FADER	Adjust Channel Output	Fader start when fader moved to up position
31	HOT CUE (1-5)	Add/Trigger Cue Points 1-5	Delete Cue Points 1-5
32	PLAY/PAUSE	Play/Pause Track	Stutter Play
33	CUE	Add or Trigger Temporary Cue	Previous Track
34	PERFORMANCE PAD MODE SELECT	Toggle & Select Performance Pad Modes (SEE PERFORMANCE PADS)	
35	PERFORMANCE PADS	Controls Performance Modes (SEE PERFORMANCE PADS)	
36	PITCH BEND (+/-)	Press or hold down either of these buttons to temporarily adjust the track's playback speed. When released, the track playback will return to the speed designated by the Pitch Fader.	
37	PARAM.1 & PARAM.2	Adjusts Parameters of Performance Pad Function	
38	DECK SELECT	Activates Selected Deck	
39	TEMPO FADER	Adjusts Tempo	
40	PLATTER	Adjust/Scratch or Jog	
41	RANGE	Cycles through available Tempo Range options	Master Tempo

NOTE: The DELETE (SHIFT) button is used with other buttons that have shift modifier functions.

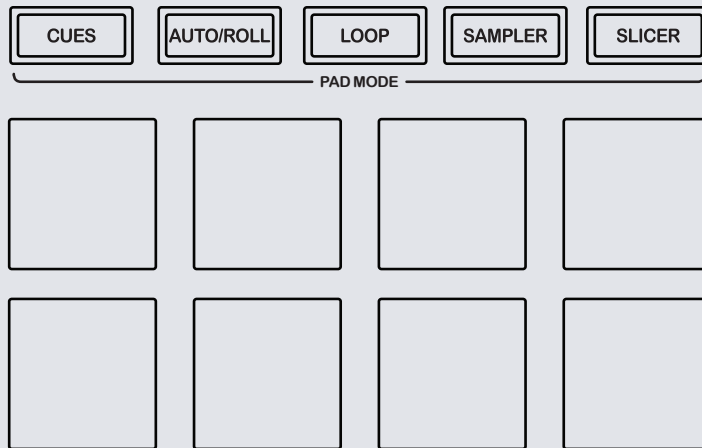
#	Numark NS7MK II CONTROLS	SERATO DJ FUNCTIONS	DELETE (shift)
42	MOTOR OFF	Press this to disable Platter Motor and bring it to a stop	
43	TOUCH	Enables touch sensitivity for the FX knobs	Enables touch sensitivity for the channel EQ knobs (and the FX knobs)
44	EQ (knob/s)	Adjust HI, MID & LOW	
45	BLEEP/REVERSE	Censor/Reverse Playback	
46	GRID ADJUST	Adjusts Beat Grid	Set Beat Grid
47	TAP	Tap this button at the same tempo as the track to edit the BPM. Press and hold to save BPM.	
48	GRID SLIP	Slip Beat Grid	Clear Beat Grid



#	Numark NS7II Control	Function
1	MIC1 INPUT	Connect an XLR or 1/4" jack microphone to this input
2	MIC1 GAIN	Adjusts the Gain of the MIC1 Input
3	MIC1 BASS	Adjusts the Low frequencies of the MIC1 Input
4	MIC1 TREBLE	Adjusts the High frequencies of the MIC1 Input
5	MIC1 OFF ON	Turn MIC1 Input OFF/ON
6	3 (A OFF B)	Channel 3 crossfader assign. Switch between SIDE A/OFF/SIDE B
7	1 (A OFF B)	Channel 1 crossfader assign. Switch between SIDE A/OFF/SIDE B
8	CROSSFADER CONTOUR	Adjusts the slope of the crossfader curve
9	2 (A OFF B)	Channel 2 crossfader assign. Switch between SIDE A/OFF/SIDE B
10	4 (A OFF B)	Channel 4 crossfader assign. Switch between SIDE A/OFF/SIDE B
11	BLEND	Blend your headphone output between CUE and PGM
12	SPLIT CUE OFF ON	Turn Split Cue OFF/ON

#	Numark NS7II Control	Function
13	HEADPHONE VOLUME	Adjusts the level of the headphone audio
14	HEADPHONES	Connect your 1/4" or 1/8" headphones to this output for cueing
15	MOTOR TORQUE	Select between either low or high motor torque. At the high setting, the PLATTERS will have the heavier, stronger feel. At the lower setting, they are lighter and more graceful.
16	GROUNDING POST	Connect the ground cables here when connecting a phono source
17	MIC INPUT 2	Connect an XLR or 1/4" jack microphone to this input
18	CH 2 & 4 LINE/PHONO INPUT	Inputs 2 and 4 (RCA)
19	CH 2 LINE/PHONO SWITCH	Select between Line or Phono for input 2
20	CH 1 LINE/PHONO SWITCH	Select between Line or Phone for input 1
21	CH 1 & 3 LINE/PHONO INPUT	Inputs 1 and 3 (RCA)
22	USB	Connect USB cable to this port from computer
23	MASTER OUTPUT RIGHT (XLR)	Connect this low-impedance XLR output to a PA system or powered monitors
24	MASTER OUTPUT LEFT (XLR)	Connect this low-impedance XLR output to a PA system or powered monitors
25	MASTER/BOOTH OUTPUT (RCA)	Use standard RCA cables to connect this output to a speaker or powered monitors
26	POWER IN	Use the included power cable to connect NS7 to a power outlet
27	POWER SWITCH	Turns NS7 on and off

Performance Pads



The performance pads have eight different modes you can select. The first four modes are; Hot Cue, Roll, Slicer and Sampler. For reference below the pads are numbered 1-8 from the top left pad moving to the right.

- **CUE Mode:** When pressing pads 1-8 you can add up to 8 Cue Points. Holding SHIFT and pressing buttons 1-8 will delete the Cue Points.
- **AUTO LOOP mode:** When pressing pads 1-8 you can activate an Auto Loop. The Loop Length is determined by the Auto Loop Range currently selected in the Auto Loop section in the software, which you can change this using the **PARAM.1** buttons. **SEE LOOPING FOR MORE INFORMATION.**

- **MANUAL LOOP mode:** Pressing pads 1-8 can set, save and launch previously made Manual Loops. Use the **PARAM.1** buttons to halve or double the loop length. **SEE LOOPING FOR MORE INFORMATION.**
- **SAMPLER Mode:** Pads 1-3 Trigger Samples loaded in slots 1-3 of your Sample Banks. Pads 5-7 Trigger Samples loaded in slots 4-6 of your Sample Banks. Use **PARAM.1** to cycle through Sample Banks. Holding **SHIFT** and pressing **PARAM.1** will cycle the output channel for the SP6. Holding **SHIFT** and pressing pads 1-3 & 5-7 will stop the sample playing. When a sample slot is empty, pressing the pads 1-3 & 5-7 + **SHIFT** will load the currently selected track in library panel to the corresponding sample slot. There are also 2 sampler modifier modes:
 - **Loop Sample** – Holding pad 4 and pressing one of the sample slots will cycle the playback type to LOOP and Single Play for that slot. When a sample is playing and looped the playing Pad LED should flash.
 - **Cycle Playback Type** – Holding pad 8 and pressing one of the sampler slots will change the playback type of the sample from One Shot/Toggle/Hold.
- **SLICER Mode:** A specified range (or domain) is divided into eight equal sections, and these eight sliced sections are assigned to the respective performance pads. Pressing **SLICER** once for the first mode, is a shifting Slicer Domain. Pressing **SLICER** twice, for the second mode is a fixed Slicer Domain or “loop”. Use **PARAM.1** to set the quantization for the slicer function. The quantization can be set in four ways: 1/8, 1/4, 1/2 and 1. **PARAM.2** (Hold **SHIFT** + **PARAM.1**) sets the domain. The domain can be set to one of six settings: 2 beats, 4 beats, 8 beats, 16 beats, 32 beats or 64 beats.

The next four performance pad modes are activated by pressing the pad mode selection button for a second time. These four modes are; Hot Loop, Loop Roll, Manual Loop and Velocity Sampler.

- **HOT LOOP mode:** Press pads 1-8 to trigger playback from your hot cues and enable an Auto Loop of current auto loop length. Use the **PARAM.1** buttons to halve or double the loop length. **SEE LOOPING FOR MORE INFORMATION.**
- **ROLL Mode:** When pressing pads 1-8 you can activate a loop roll. The Loop Length is determined by the Auto Loop Range currently selected in the Auto Loop section in the software, which you can change this using the **PARAM.1** buttons. **SEE LOOPING FOR MORE INFORMATION.**
- **VELOCITY SAMPLER Mode:** Pads 1-8 behave in the same way as the standard sampler mode described above. However, in Velocity Sampler mode the volume of the sample will be affected by the amount of pressure applied to the pad.
- **FIXED SLICER** Domain or “loop”. Use **PARAM.1** to set the quantization for the slicer function. The quantization can be set in four ways: 1/8, 1/4, 1/2 and 1. **PARAM.2** (Hold **SHIFT** + **PARAM.1**) sets the domain. The domain can be set to one of six settings: 2 beats, 4 beats, 8 beats, 16 beats, 32 beats or 64 beats

Looping

You have up to 8 loops per track in Serato DJ, and the choice between either manual or auto loops. When using your controller the four different looping modes, **ROLL** mode, **HOT LOOP** mode, **AUTO LOOP** mode, and **MANUAL LOOP** Mode can all be activated and controlled via the eight performance pads.

Loop Roll Mode, Auto Loop Mode and Hot Loop Mode

Loop Roll Mode, Auto Loop Mode and Hot Loop Mode are three of the performance pad modes. Activate Loop Roll mode on the performance pads by pressing the **ROLL** button on your controller, press the **ROLL** button with **SHIFT** to activate Auto Loop Mode. Press the **HOT CUE** button with **SHIFT** to activate Hot Loops. **SEE PERFORMANCE PADS FOR MORE INFORMATION.**

NS7II Control	Loop Roll Mode	Auto Loop Mode	Hot Loop Mode
Pads 1-8	Loop Roll ON/OFF	Auto Loop ON/OFF	Hot Loop ON/OFF
Pads 1-8 + SHIFT	Not Mapped	Not Mapped	Play from selected cue point without exiting loop
PARAM.1	Shift Loop Roll range	Shift Auto Loop range	Halve/Double loop length
PARAM.2 (PARAM.1 + SHIFT)		Shift Loop Left/Right	Shift Loop Left/Right
AUTO LOOP (knob)	Turn to adjust loop length	Turn to adjust loop length	Turn to adjust loop length


Manual Loop Mode:

Manual Loop Mode is the last of the 4 looping modes. It enables you to manually set the length of your loops, save your loops as well as launch previously saved loops. Activate Manual Loop mode on the performance pads by holding the **SHIFT** button and pressing the **SLICER LOOP** button on your controller **SEE PERFORMANCE PADS FOR MORE INFORMATION.**



NS7II Control	Manual Loop Mode	Shift Function
Pad 1	Not Mapped	
Pad 2	Turns selected loop ON/OFF	
Pad 3	Save loop to selected slot	
Pad 4	Scrolls up through available loop slots	
Pad 5	Start loop. Edit start of loop point (if Loop already active)	
Pad 6	End loop. Edit end of loop point (if Loop already active)	
Pad 7	First press turns selected loop ON and moves playhead to loops start point. Second press turns loop OFF	
Pad 8	Scrolls down through available loop slots	
PARAM.1	Halve/Double Loop length	Shift Loop to the Left/Right
PARAM.2	Use to adjust start/end of loop when editing a loop	

NOTE: You can also save a loop to the next available free loop slot in the software. To do this click **+** on an available loop slot. Your loops are saved to the file and recalled the next time it is loaded. They are not lost if the file is moved or renamed.

DJ FX

The DJ-FX in Serato DJ are powered by iZotope™. Click the FX tab  to open the FX panel. Select either 1, 2 or M to assign the selected effect bank to a deck or Master Output.

There are two available modes in the DJ-FX. Single FX Mode allows you to select one effect per FX bank, and has multiple parameters that can be adjusted. Multi FX Mode allows you to select up to three effects per FX bank, and adjust only one parameter, the FX Depth. The same effects available in Single FX mode are available in Multi FX mode, as well some additional presets.

You can select between the two FX modes by clicking either the Single FX mode button  Multi FX mode button 

#	NS7II Control	Single FX Mode	Multi FX Mode
1	SOURCE	Apply FX Unit to Deck A/ Deck B/Aux or Main	Apply FX Unit to Deck A/ Deck B/Aux or Main
2	FX SELECT	Select Effect	Select Effect in Slot 1
3	FX MIX (slider)	Adjust Parameter 1	Adjust Slot 1 FX Parameter
4	FX PARAM	Adjust Beats Multiplier	Adjust Beats Multiplier
5	FX ON/OFF	Effect On/Off	Slot 1 Effect On/Off
6	TAP	Tap to the desired FX tempo. To return to AUTO mode, press and hold	Tap to the desired FX tempo. To return to AUTO mode, press and hold

Serato Flip

Flip is an Expansion Pack for Serato DJ. Flip controls are only available once the Flip expansion pack has been purchased and activated. The expansion pack can be purchased in-app through the Serato DJ Online window, or online at <http://serato.com/accessories>

In **Hot Cue** performance pad mode the Left and Right Parameter buttons are used to record and trigger Flips.

Control	Flip function	Shift
Left Parameter button	Starts the recording of a new Flip	Turns Flip Loop on/off
Right Parameter button	Starts the current Flip / re-trigger Flip	Turns current Flip On/Off

Press **SHIFT** + **Hot Cue** mode to enter Flip performance pad mode. Pressing pads 1-6 in will trigger saved Flips, pressing **SHIFT** + pads 1-6 will turn saved Flips on/off. Pressing an empty Flip slot will save any active Flip to that slot.

Beat Jump

To activate **Beat Jump**, open the **Setup** screen and under the DJ preferences tab turn on “**Show Beat Jump Controls**”.

Show Beat Jump Controls

When you close the Setup screen you will see Beat Jump controls underneath the existing Auto Loop values on each deck. Checking this box will turn on Beat Jump features in the deck area and let you control Beat Jump from on your supported Serato DJ hardware.



When the Beat Jump option is enabled, controllers with 8 performance pads that have an **AUTO LOOP** or **LOOP ROLL** mode will use the bottom row of 4 pads (pads 5-8) as Beat Jump controls. This is designed to mirror the change in deck Auto Loop area (from 8 Auto Loop sizes to 4 Auto Loop sizes + Beat Jump controls).

Performance Pad Function	Pad 5	Pad 6	Pad 7	Pad 8
Beat Jump disabled	Auto Loop/ Loop Roll 5	Auto Loop/ Loop Roll 6	Auto Loop/ Loop Roll 7	Auto Loop/ Loop Roll 8
Beat Jump enabled	Beat Jump Left	Beat Select Left	Beat Select Right	Beat Jump Right

Controllers with Loop Shift controls can now do a Beat Jump by enabling Beat Jump in the Setup screen. Regular Loop Shift is still available if Beat Jump is disabled in the Setup screen.

DVS Expansion Pack

The Numark NS7II is Serato DVS Upgrade Ready. Use turntables or CD players to control Serato DJ using NoiseMap™ Control Tone records or CDs. You can enable CD and Vinyl control through the Setup screen after the DVS Expansion upgrade has been purchased and activated inside the MY SERATO window.

Note: You will need to update the firmware of your NS7II before DVS can be used with Serato DJ. Download the latest firmware from Numark.com

For further information, and to purchase the DVS Expansion, see <http://serato.com/dj/dvs>

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MIDI

The MIDI feature in Serato DJ provides the ability to remap Serato DJ software functions to your primary Serato DJ controller, interface or mixer. You can also assign controls to a secondary MIDI controller to further enhance your performance.

[For more information on MIDI mapping with Serato DJ click here.](#)

To remap your supported Serato DJ device, open the **SETUP** screen and click the **MIDI** tab. If your Serato DJ device supports hardware remapping it will show up in the **MIDI Devices** list at the top.

Select your connected device from the MIDI Devices list and make sure the “Allow Serato Hardware Remapping” option is checked.

Allow Serato Hardware Remapping

Once checked, the MIDI assign button at the top of the screen will become available for you to start remapping.

MIDI

You can save, edit or delete MIDI presets in the **MIDI** tab of the **SETUP** screen. Clicking ‘**Restore Defaults**’ will erase any custom mappings for all connected devices and revert their functions back to default.

[Download the Serato DJ software manual for further information.](#)

NOTE: Official Serato Accessories do not currently support user remapping. Hardware features that cannot be remapped at this stage are Jogwheels/ Platters, Input Switches, Shift buttons and Performance Pad Mode buttons. Re-mapping any pad(s) in Hot Cue mode will also re-map the same pad in Saved Flip mode and vice versa.


NS7II MIDI limitations


Remapping any performance pad will remap this same pad in all performance pad modes (i.e if you map pad 1 in Hot Cue mode, it will remap pad 1 in all other modes).

The motorized platter will need to be paused before remapping any controls. Turn the Motor OFF before mapping.

In order to remap a knob, you have to be touching the knob before you click the software feature you want to map. Touch the knob, click the Serato DJ software, then move the knob to successfully map controls. This also allows you to map the “touch” aspect to separate functions.

Using the Tool Tips

Click on the  icon to enable Tool Tips. This is located in between the MIDI and setup button in the top right hand corner of the screen. Tool Tips provide a handy way to learn the various features of Serato DJ.

Move the mouse over a section of the screen to bring up a context sensitive tool tip. Holding the mouse over the  button with Tool Tips turned on will show you a list of all keyboard shortcuts.

For more information about how to use Serato DJ, please go to our website www.serato.com or refer to the Serato DJ Software Manual. For more information on your controller, please refer to the hardware manual.

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