

# 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>

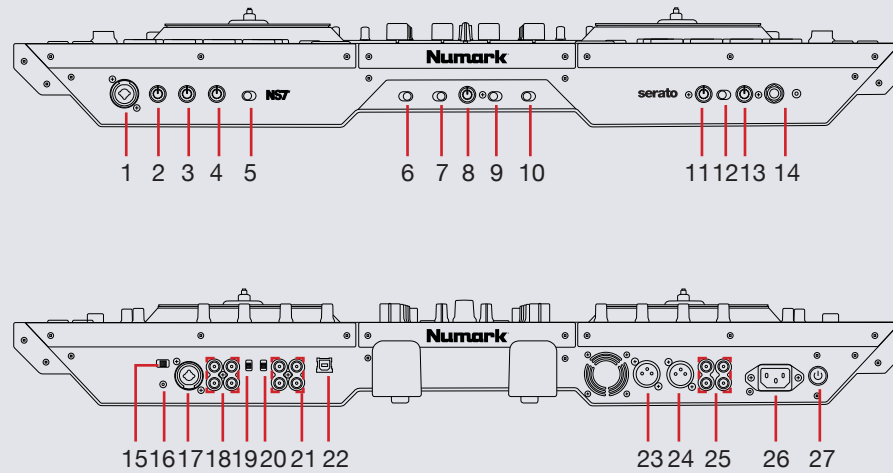
1. Download and install the latest version of Serato DJ from <http://serato.com/dj/downloads>
2. Connect your Numark NS7 II to an available USB Port.
3. Open Serato DJ.

**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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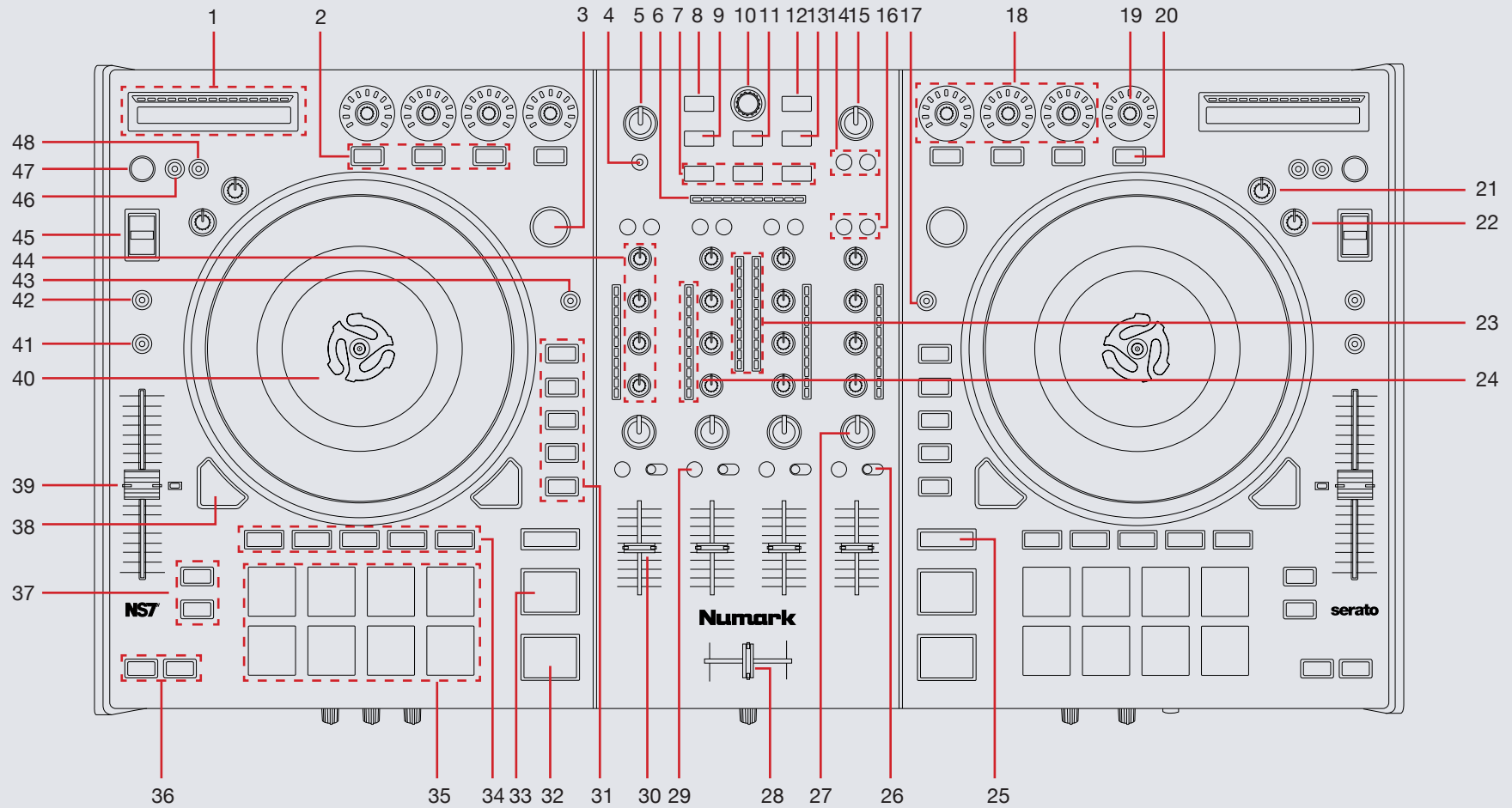




| #  | Numark NS7II Control | Function  |
|----|----------------------|---|
| 1  | MIC1 INPUT           | Connect an XLR or 1/4" jack microphone to this input          |
| 2  | MIC1 GAIN            | Adjusts the Gain of the MIC1 Input                            |
| 3  | MIC1 BASS            | Adjusts 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  |

# 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.

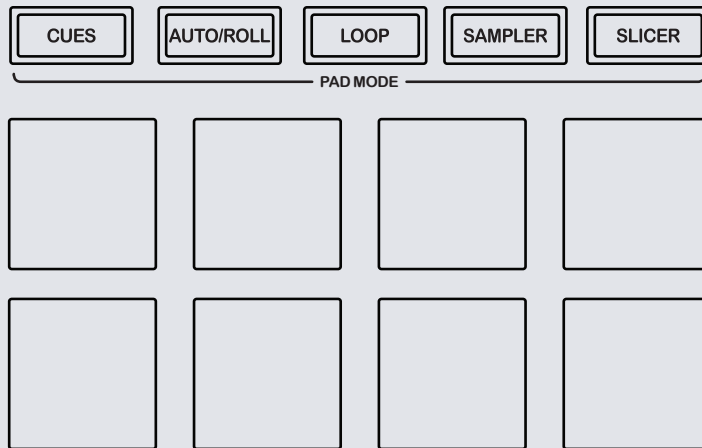
| #  | Numark NS7MK II CONTROLS    | SERATO DJ FUNCTIONS  | DELETE (shift)                              |
|----|-----------------------------|--|---|
| 25 | SYNC                        | Sync On  | Sync Off                                    |
| 26 | INPUT SELECT                | Select PC/Mic/Line inputs 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   |



# 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>

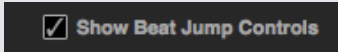
In **Hot Cue** performance pad mode the Left and Right Parameter buttons are used to record and trigger Flips.

| 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**”.



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        | <b>Beat Jump Left</b>  | <b>Beat Select Left</b> | <b>Beat Select Right</b> | <b>Beat Jump Right</b> |

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.

# Serato Video

Serato Video is a software plugin for Serato Software which adds the ability to playback and mix video files, use effects and fader transitions with your Serato DJ Controller, an additional MIDI controller or your mouse/keyboard.

For more information on Serato Video go to <http://serato.com/video>.

# MIDI

The MIDI control feature in Serato DJ provides the ability to map Serato DJ software functions to MIDI controller functions such as keyboards, triggers, sliders, and knobs. Integrating MIDI controllers into your Serato DJ setup can improve live performance usability, such as hitting pads on a MIDI controller to trigger Loops and Cue Points.

For more information download the Serato DJ manual by going to <http://serato.com/dj/downloads>


## 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](http://Numark.com)**

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

## 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](http://www.serato.com) or refer to the Serato DJ Software Manual. For more information on your controller, please refer to the hardware manual.

For further help, please contact [support@serato.com](mailto:support@serato.com) or go to [www.serato.com/dj/support](http://www.serato.com/dj/support)

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