QUICK-START GUIDE
NUMARK NV

Installation and Setup

The Numark NV is a class compliant device, but requires drivers for Windows. You will find these on the installation CD that is provided with your Numark NV, or go to http://serato.com/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/support or visit the Numark website.

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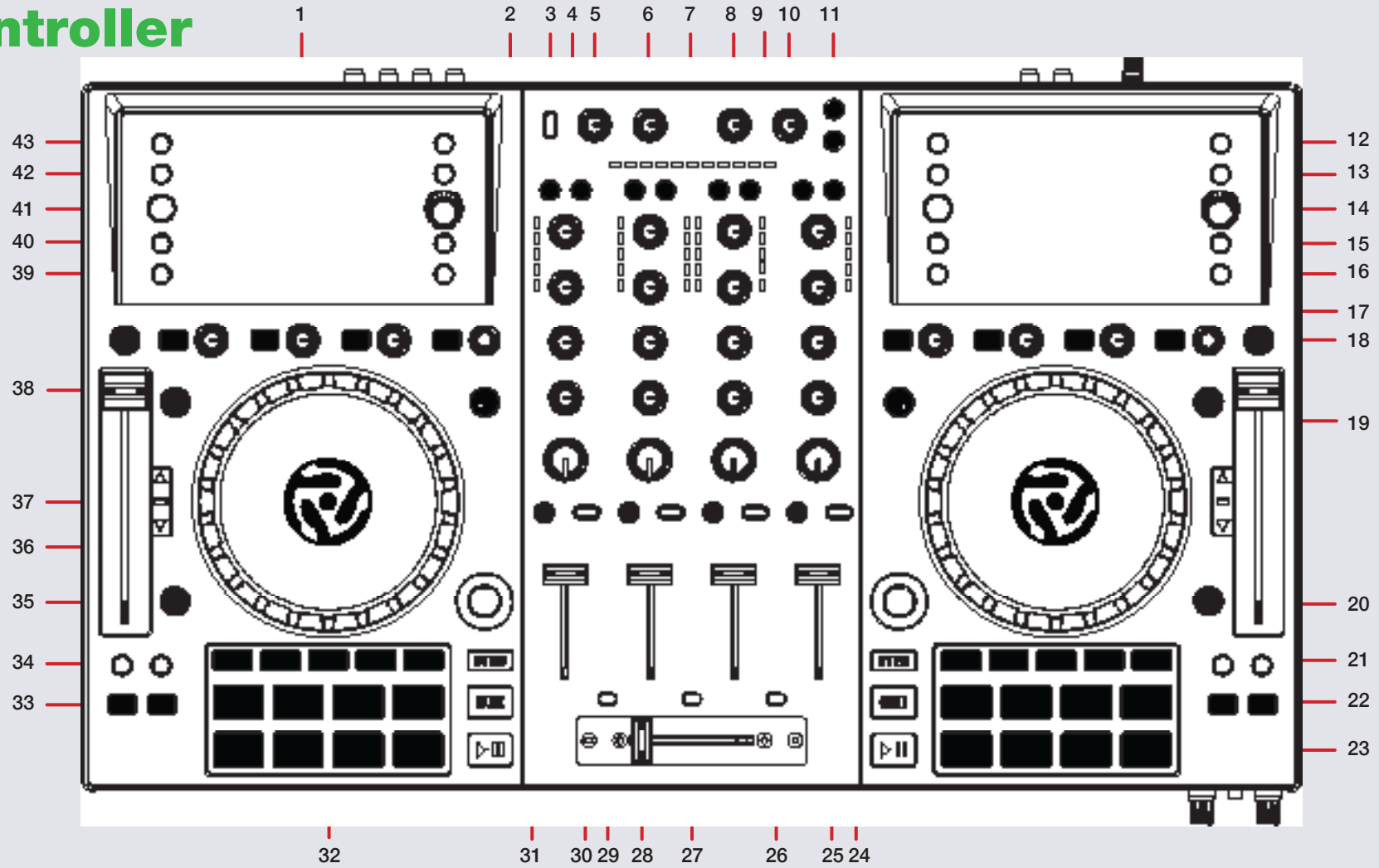3. Open Serato DJ.

NOTE: The Numark NV 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.

Controller

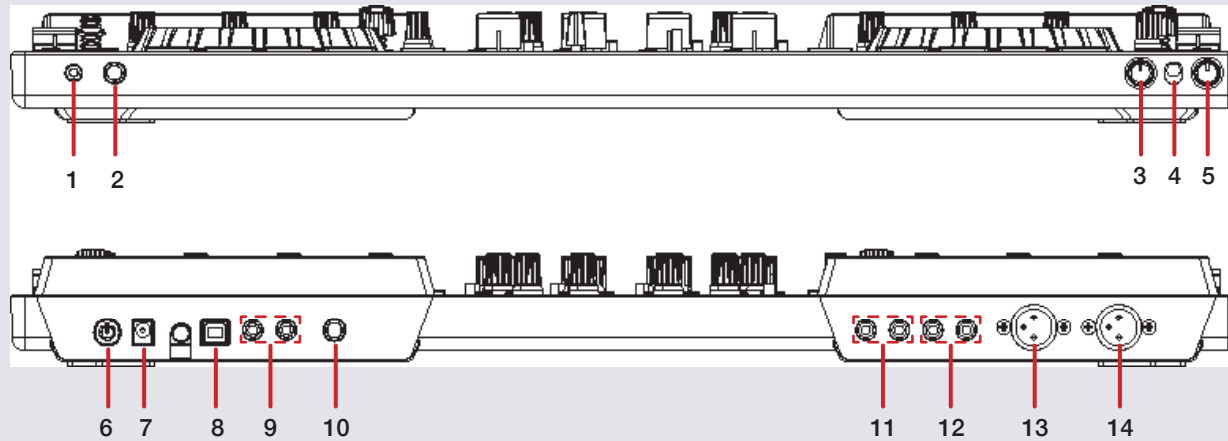**NOTE:** The SHIFT button is used with other buttons that have shift modifier functions.

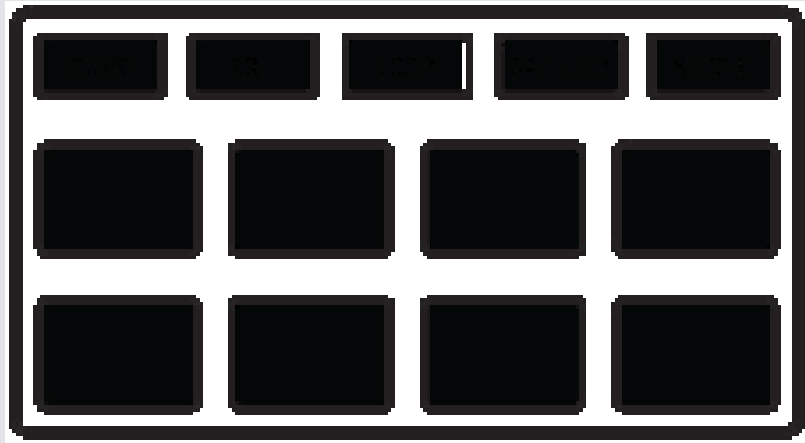| #	Numark NV CONTROL	SERATO DJ FUNCTION	SHIFT
1	DISPLAY	Displays Serato DJ information	
2	TOUCH FX	Press once to enable touch sensitivity for FX knobs. Press twice to enable touch sensitivity for both FX and EQ knobs.	
3	MIC/AUX INPUT SWITCH	Switch External Input between AUX, MIC and Off.	
4	FX CHANNEL ROUTING	Select FX routing for each channel	
5	MIC TONE	Adjust Mic input tone	
6	MIC/AUX GAIN	Adjust MIC/AUX volume	
7	BEATMATCH INDICATOR	Helps show the position of transients on each track when beatmatching	
8	BOOTH OUTPUT GAIN	Adjust Booth output volume	
9	CHANNEL GAIN/EQ	Adjust Gain and EQ for specific channel	
10	MASTER OUTPUT GAIN	Adjusts Master Output volume	
11	MASTER FX ROUTING	Assign all channels to FX unit A or B	
12	LOAD	Load highlighted track in library to deck	Load track to the Prepare Crate.
13	BACK	Toggles back to Crate view from Library and vice versa.	
14	BROWSER KNOB/TAB	Library Scroll. Push to toggle window focus (TAB)	
15	PANEL	Toggles through Serato DJ panels	Toggles through Serato DJ areas
16	VIEW	Toggles view modes on NV display	Toggles view modes in Serato DJ
17	FX CONTROLS	Controls Single or Multi FX	Selects FX for each slot
18	SLIP	Turns Slip on	
19	BLEEP	Censors currently playing track	Reverse playing track
20	SHIFT	Software Shift modifier (used with other controls)	
21	SYNC	Enables SYNC for that deck	Disables SYNC for that deck
22	CUE	Set Temp Cue/Play from Temp Cue	Cue next track
23	PLAY/PAUSE	Play/pause the currently loaded track	Stutter Play
24	FILTER	LP/HP combo filter. Used as Filter Roll when TOUCH FX is activated	

serato **DJ**

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

#	Numark NV CONTROLS	SERATO DJ FUNCTION	SHIFT
25	CHANNEL FADER	Adjust Channel Volume	
26	CROSSFADER START RIGHT	CF Start for the right side On/Off	
27	CROSSFADER CONTOUR	Adjust the crossfader contour curve	
28	CROSSFADER	Crossfades from left to right channels (A/B)	
29	CROSSFADER START LEFT	CF Start for the left side On/Off	
30	CROSSFADER CHANNEL ASSIGN	Select Crossfader Channel for each deck	
31	CHANNEL CUE	Enables headphone monitoring for that channel	
32	PERFORMANCE PADS	Controls Performance Modes (SEE PERFORMANCE PADS)	
33	PITCH BEND	Bends the pitch of playing track up or down	
34	PARAMETER ADJUST	Changes value/timing of currently selected Performance pad mode or loop. (SEE PERFORMANCE PADS)	Second Parameter Function (if available in selected perfomance mode)
35	SCRATCH JOG MODE	Toggle Scratch Jog mode On/Off	
36	JOG WHEEL/PLATTER	Adjust/Scratch or Jog	
37	TEMPO ADJUSTMENT INDICATOR	Shows where the track has been pitch adjusted	
38	TEMPO FADER	Adjusts playing deck tempo/pitch	Used to adjust relative pitch when in SYNC
39	SLIP	Hold and move platter to Slip Beatgrid	Clears current Beatgrid
40	ADJUST	Hold and move platter to Adjust Beatgrid	Set downbeat marker for Beatgrid
41	TAP TEMPO	Tap this button at the same tempo as the track to edit the BPM. Press and hold to save BPM.	
42	RANGE	Cycles through available Pitch Ranges.	Master Tempo
43	LAYER SELECT	Changes active deck layer	

#	Numark NV Control	Function
1	1/8" HEADPHONES	Connect your 1/8" headphones to this output for cueing
2	1/4" HEADPHONES	Connect your 1/4" headphones to this output for cueing
3	CUE MIX	Blend your headphone output between CUE and PGM**1**
4	CUE SPLIT	Turn Split Cue OFF/ON
5	CUE GAIN	Adjust the volume of the headphone cue output
6	POWER SWITCH	Turns NV on and off
7	POWER IN	Use the included power cable to connect NV to a power outlet
8	USB	Connect USB cable to this port from computer
9	EXTERNAL INPUT	Connect an external RCA device to this input
10	MIC INPUT	Connect an TRS or 1/4" jack microphone to this input
11	BOOTH RCA OUTPUT	Use standard RCA cables to connect this output to a speaker or powered monitors
12	MASTER RCA OUTPUT	Use standard RCA cables to connect this output to a speaker or powered monitors
13	MASTER OUTPUT LEFT (XLR)	Connect this low-impedance XLR output to a PA system or powered monitors
14	MASTER OUTPUT RIGHT (XLR)	Connect this low-impedance XLR output to a PA system or powered monitors

Performance Pads

The performance pads have ten different modes you can select. The first five are activated by pressing the mode buttons once, the second five are activated by pressing the mode buttons a second time. For reference below the pads are numbered 1-8 from the top left pad moving to the right.

- **CUES:** Pressing pads 1-8 will add up to 8 Cue Points. Holding **SHIFT** and pressing buttons 1-8 will delete the Cue Points. Press **CUES** a second time to activate **CUE LOOP** mode. Pressing a cue will play from that cue and activate a loop. Loop size can be changed with left and right Parameter Adjust buttons.

- **ROLL:** When pressing pads 1-8 you can activate Auto Loops of different sizes. Pressing **ROLL** a second time activates **Loop Roll** mode. Pressing pads 1-8 activate different loop roll lengths.

- **LOOP:** Pressing pads 1-4 can launch the first 4 saved loops. Pad 5 will start set a Manual Loop In point, Pad 6 will set the Loop Out point and pads 7 and 8 will turn the Loop On/Off and Retrigger the loop. Pressing **LOOP** mode a second time enables you to access the other 4 saved loops in your loop bank.

- **SAMPLER:** 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 the **Parameter** buttons to cycle through Sample Banks. Holding **SHIFT** and pressing the **Parameter** buttons 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:** 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 the **Parameter** buttons to set the quantization for the slicer function. The quantization can be set in four ways: 1/8, 1/4, 1/2 and 1. Hold **SHIFT** + the **Parameter** buttons will set 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, **LOOP** mode, **AUTO LOOP** mode, and **MANUAL LOOP** modes can all be activated and controlled via the eight performance pads.

Loop Roll Mode, Auto Loop Mode and Hot Loop Mode

Cue Loop, Auto Loop, and Loop Roll are three of the performance pad modes. Activate Cue Loops on the performance pads by pressing the **CUE** mode button twice on your controller. Press the **ROLL** button to activate Auto Loop mode and Press **ROLL** twice to activate Loop Roll mode.

SEE PERFORMANCE PADS FOR MORE INFORMATION.

NV Control	Cue Loop Mode	Auto Loop mode	Loop Roll Mode
Pads 1-8	Cue Loop trigger	Auto Loop On/Off	Loop Roll On/Off
Pads 1-8 + SHIFT	Not Mapped	Not Mapped	Not mapped
Parameter Adjust	Adjust Cue Loop range	Adjust Loop size	Toggle Loop Roll size view
Parameter Adjust + SHIFT	Not Mapped	Shift Loop	Not mapped

Manual Looping

Manual Looping enables you to manually set the length of your loops, save your loops as well as launch previously saved loops. Activate Manual Loops in the **LOOP** performance mode on your controller

SEE PERFORMANCE PADS FOR MORE INFORMATION.

LOOP performance mode Control	Serato DJ Loop Control
Pad 1	Activate Saved Loop in Slot 1/Select Slot
Pad 2	Activate Saved Loop in Slot 2/Select Slot
Pad 3	Activate Saved Loop in Slot 3/Select Slot
Pad 4	Activate Saved Loop in Slot 4/Select Slot
Pad 5	Start manual loop. Edit start of loop point (if Loop already active)
Pad 6	End manual loop. Edit end of loop point (if Loop already active)
Pad 7	Turns Loop On/Off
Pad 8	Retriggers current Loop and turns Loop On (if Off)
Parameter Adjust	Halve/Double Loop length
Parameter Adjust + SHIFT	Loop Shift/Beat Jump

NOTE: You can also save a loop to the next available free loop slot in the software. To do this, either click the 💾 button in the manual/auto loop tab or 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 REC FX SP-6 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 or Multi FX mode button ••• .

NV Control	Single FX Mode	Multi FX Mode
Master FX A, B	Assigns master to left (A) or right (B) FX units	Assigns master to left (A) or right (B) FX units
Channel FX assign A, B	Assigns channel to left (A) or right (B) FX units	Assigns channel to left (A) or right (B) FX units
FX 1-3 On/Off	Turns effect on (FX 1) and adjusts effect parameters (FX 2-3)	Turns FX slot On/Off
FX 1-3 On/Off + SHIFT	Selects next single effect (FX 1)	Selects next FX in slot
BEAT button	Tap to set BPM. Hold for 1 second to reset to auto.	Tap to set BPM. Hold for 1 second to reset to auto.
BEAT knob	Adjust FX beats multiplier	Adjust FX beats multiplier
BEAT + SHIFT	Toggle Single/Multi FX mode	Toggle Single/Multi FX mode

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

Control	Serato DJ 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** + **CUES** 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.
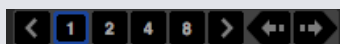
For more information on Flip, go to http://serato.com/dj/flip

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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.

< 1 2 4 8 > ← →

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.

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

NOTE: You can not MIDI Map your Numark NV, you will need to connect an additional MIDI controller to use these MIDI functions.

DVS Expansion

The Numark NV 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 is purchased and has been activated inside the software.

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

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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.

For further help, please contact support@serato.com or go to www.serato.com/support