



## SP-404MK2

Using Serato DJ with the SP-404MK2

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# Operating requirements

To control the Serato DJ series (hereafter "Serato DJ") from the SP-404MK2, the following operating requirements must be met.

SP-404MK2	Version 5.00 or later
Serato DJ Lite	Version 3.3.1 or later (macOS/Windows)
Serato DJ Pro	Version 3.3.1 or later (macOS/Windows)

- \* Download the latest system program for the SP-404MK2 from the website shown below. Follow the steps shown to update the SP-404MK2.  
<https://www.roland.com/global/products/sp-404mk2/downloads/>
- \* See the Serato DJ page (<https://serato.com/dj/lite/downloads> or <https://serato.com/dj/pro/downloads>) to view the latest operating requirements for the Serato DJ.

# Downloading Serato DJ

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The steps are for downloading Serato DJ.

**1 Launch your browser and access the following Serato DJ page.**

Serato DJ Lite: <https://serato.com/dj/lite/downloads>

Serato DJ Pro: <https://serato.com/dj/pro/downloads>

**2 Click [Download] and follow the instructions to download Serato DJ.**

# Installing Serato DJ

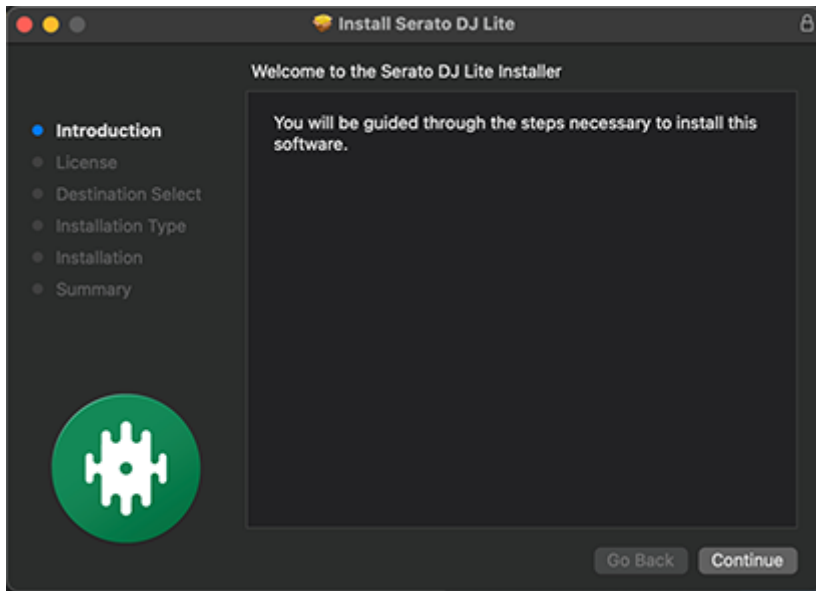
Follow the steps below to install Serato DJ.

The steps shown here are for installing Serato DJ Lite.

For macOS

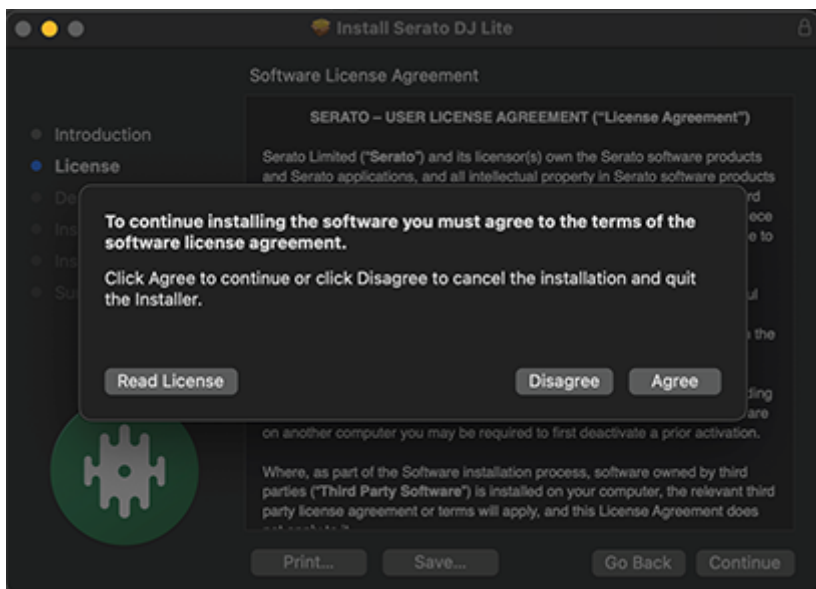
- 1 **Double-click the Serato DJ Lite file you downloaded.**

This launches the installer.



- 2 **Click [Continue].**

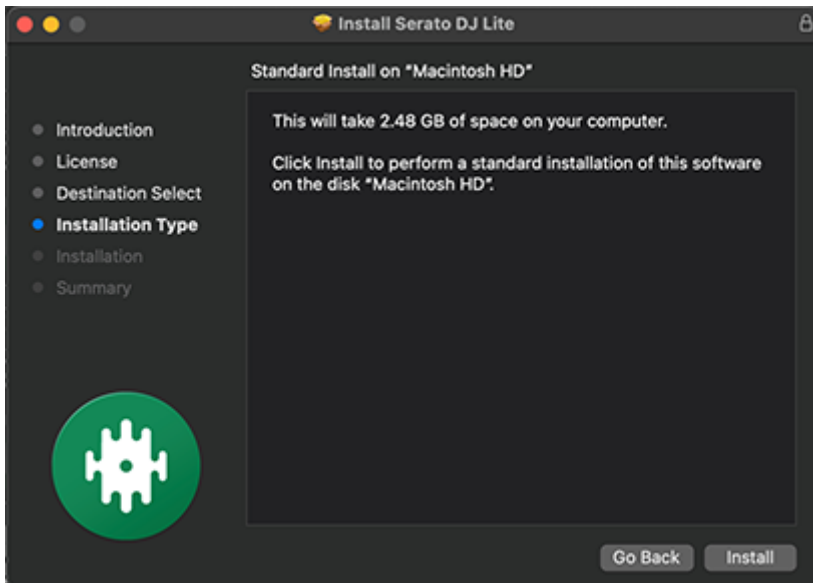
- 3 **Check the User License Agreement and click [Continue]. Click [Agree] if you agree with the terms.**



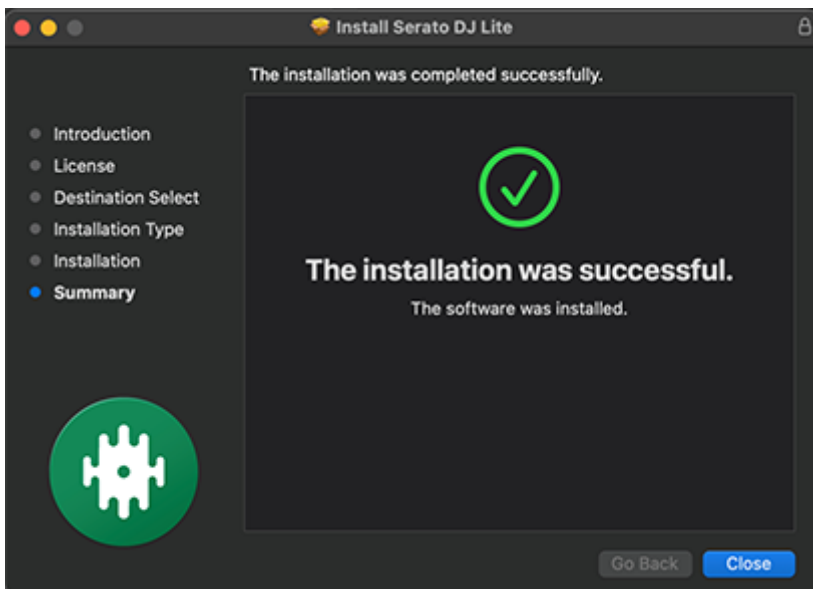
- 4 **Click [Install] to begin the installation.**

## Installing Serato DJ

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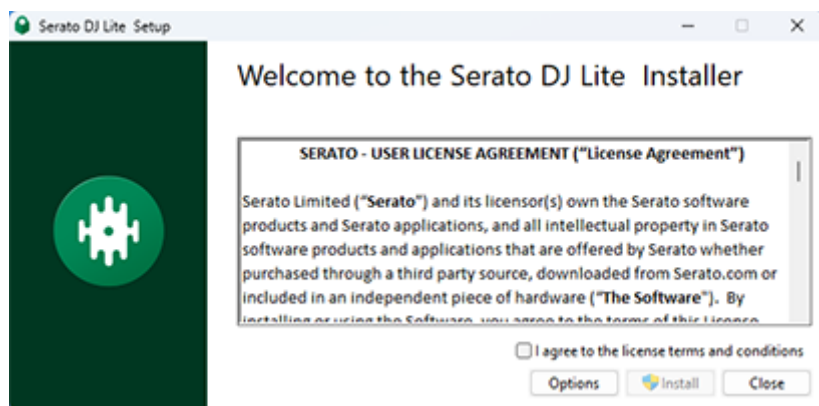
- 5 Once you see the screen below, click [Close].



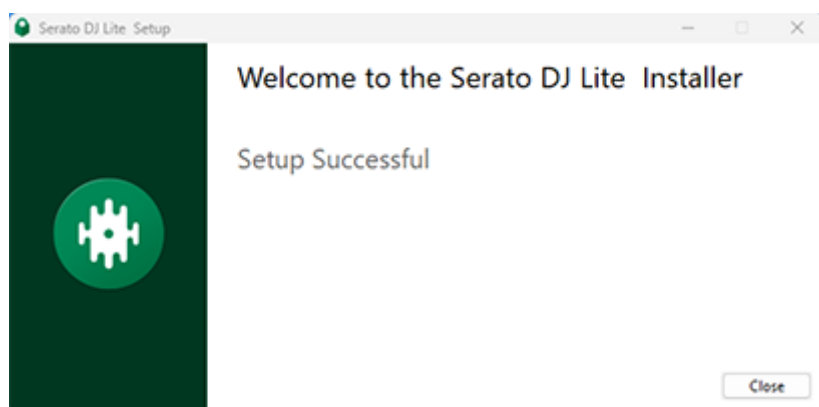
This completes the installation.

### For Windows

- 1 **Right-click on the Serato DJ Lite folder that you downloaded, and select "Extract All".**  
This decompresses the folder.
- 2 **Double-click the decompressed file.**  
This launches the installer.
- 3 **Check the User License Agreement. If you agree to the terms, select the "I agree to the license terms and conditions" check box, and click [Install].**



- 4 Once you see the screen below, click [Close].

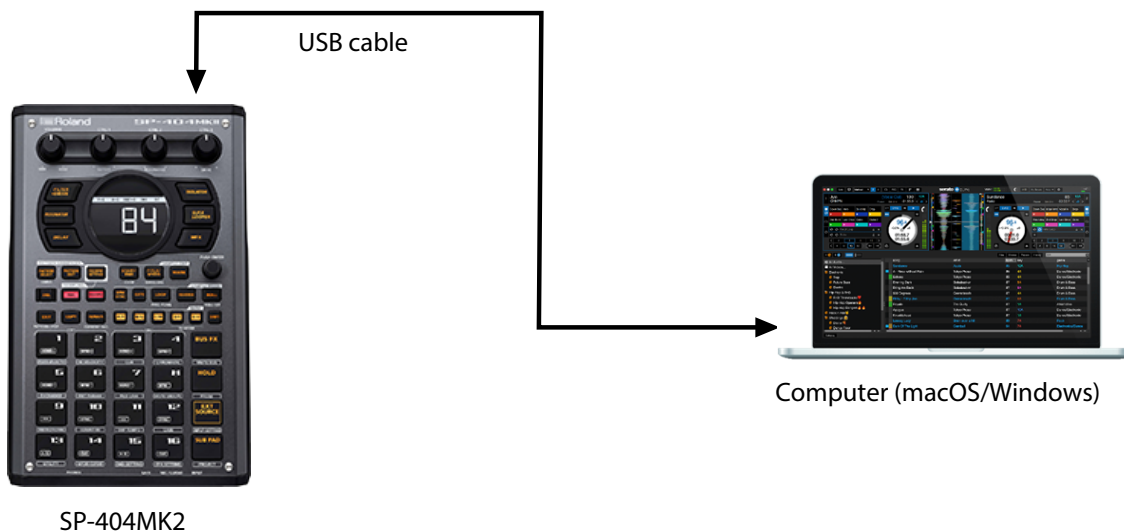


This completes the installation.

# Setup

\* Before connecting the SP-404MK2 and Serato DJ, you must update the SP-404MK2 system program to version 5.00 or later ([Operating requirements \(p. 3\)](#)).

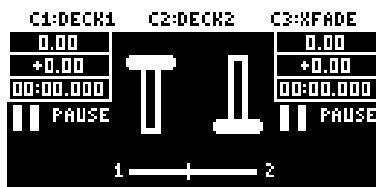
- 1 Use a USB cable to connect the SP-404MK2 to the computer on which Serato DJ is installed.



- 2 Turn on the power of the SP-404MK2.
- 3 Launch Serato DJ.

Once Serato DJ launches, it automatically detects the SP-404MK2.

The "Serato" logo appears on the display of the SP-404MK2, and the display switches to the following mixer screen.



If the display doesn't switch, check the Serato DJ version. The unit operates with Serato DJ software version 3.3.1 or later.

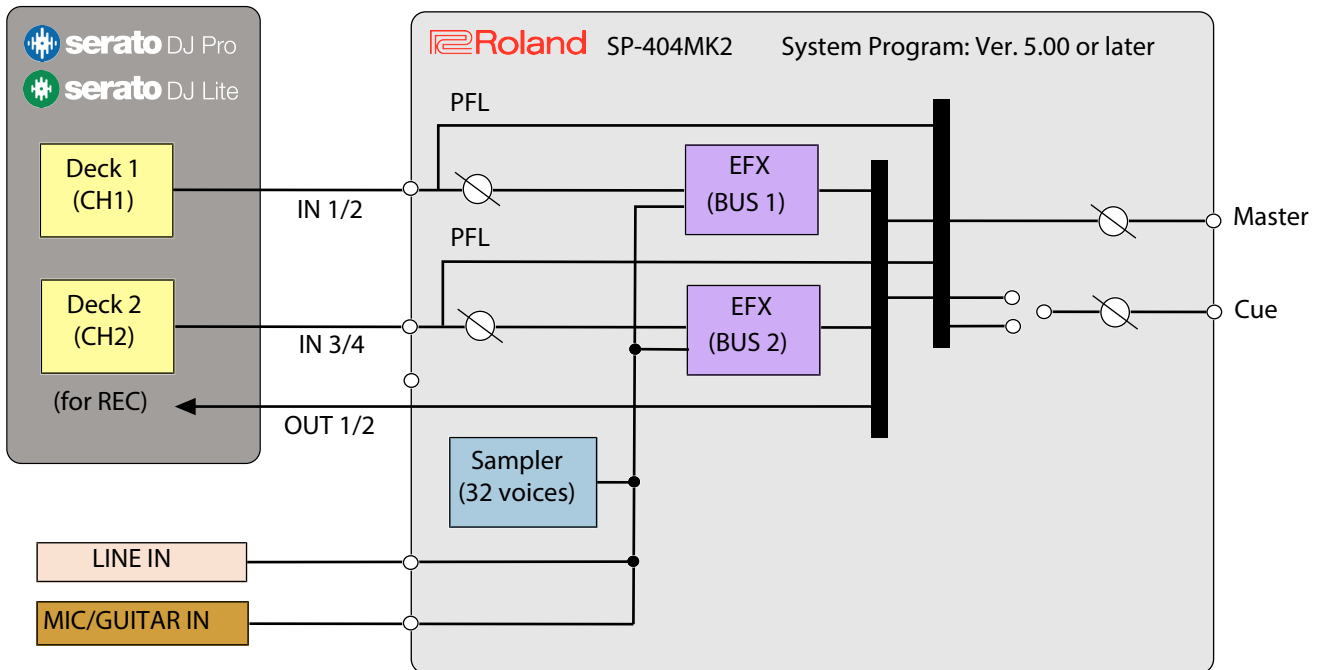
- 4 To disconnect, quit Serato DJ.

# Overview of operations

You can use the pads and knobs of the SP-404MK2 to control the Serato DJ software for DJ play (mixing songs).

It's possible to apply the effects from the SP-404MK2 to the Serato DJ audio for DJ play.

Also, you can mix an external audio source such as a mic or guitar during DJ play, or play back the samples that are built into the SP-404MK2.



# Controlling Serato DJ

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Use the three sections of the SP-404MK2 (the browser, mixer and deck) to control the Serato DJ.

You can also use the effects of the SP-404MK2 while you're using Serato DJ. Deck 1 is connected to bus 1, and deck 2 is connected to bus 2.

## Browser section

Use this section to operate Serato DJ and load songs.



(Turn)  
Moves the cursor up/down

Load song  
into deck 1

Sort  
options

Down one level

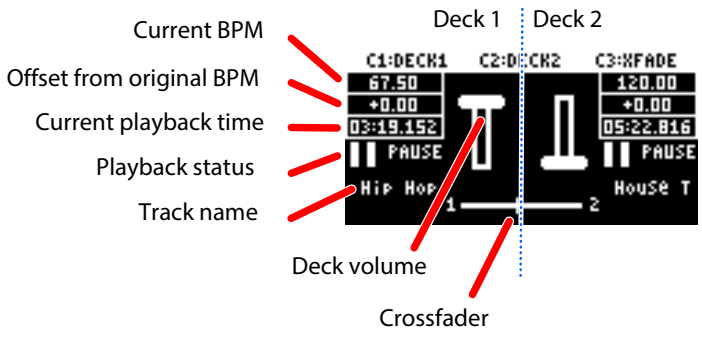
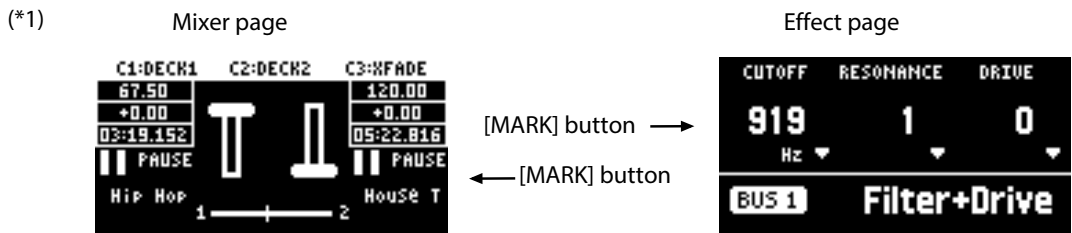
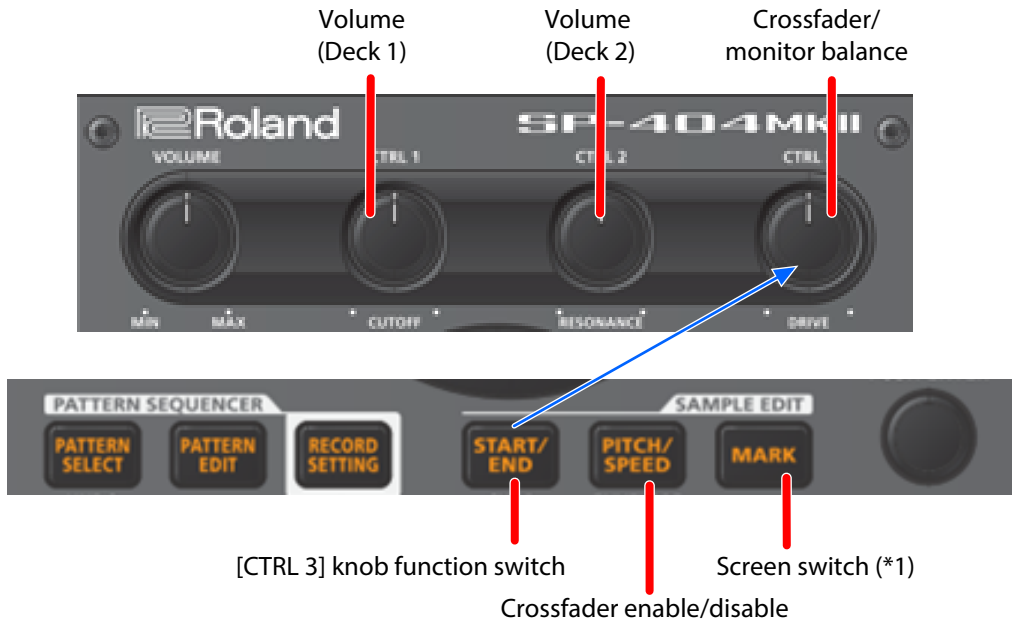
Load song  
into deck 2

Up one level

Function	Operation	Explanation
Load Track to Deck 1	Bank [A/F] button	Loads the song selected by the cursor into deck 1.
Load Track to Deck 2	Bank [B/G] button	Loads the song selected by the cursor into deck 2.
Library Scroll	[VALUE] knob (turn)	Moves the cursor up/down.
Fast Library Scroll	[SHIFT] button + [VALUE] knob (turn)	Moves the cursor up/down quickly.
Library Forward	Bank [E/J] button	Moves the cursor down one level.
Library Back	Bank [D/I] button	Moves the cursor up one level.
Sort by BPM	Bank [C/H] button	Sorts the library songs by BPM.
Sort by Song	[SHIFT] button + Bank [C/H] button	Sorts the library songs by song.

## Mixer section

This is a two-channel mixer. You can use the volume and crossfaders for each deck to mix your song.



Function	Operation	Explanation
Volume	[CTRL 1] knob (Deck 1) [CTRL 2] knob (Deck 2)	Adjusts the output level for each deck.
Crossfader	[CTRL 3] knob	Switches between audio output for the left and right decks.
Monitor Balance (Cue and Master)	(After pressing the [START/END] button) [CTRL 3] knob	Adjusts the balance between the audio of the channel for which the channel [CUE] button is lit and the monitor volume balance for master output.
Toggle CTRL 3	[START/END] button	Switches between [CTRL 3] knob roles (crossfade and monitor balance).

Function	Operation	Explanation
Disable Cross Fader	[PITCH/SPEED] button	Disables the crossfader (to prevent accidental operation).
Toggle EFX screen	[MARK] button	Switches between the mixer page and the effect page. (*1)
Toggle EFX Knob mode	[SHIFT] button + [VALUE] knob (turn)	Switches between how the values change when you move the [CTRL 1]–[CTRL 3] knobs (Catch↔Direct).  Catch: When you move a knob, control data is only output when the position of the knob reaches or “catches up” to the value of its internal parameter.  Direct: When you move a knob, control data of the corresponding position is always output.

## Deck section


This section is used for controlling the two decks (deck 1 on the left, and deck 2 on the right).

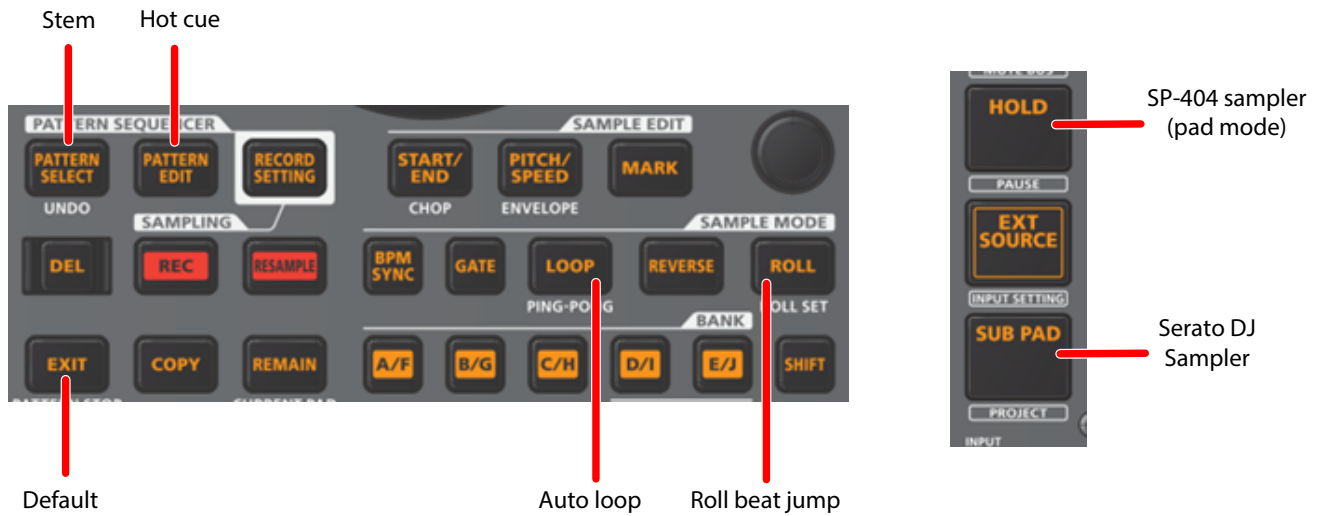




Function	Deck 1 operation	Deck 2 operation	Explanation
Play/Pause	Pad [13]	Pad [15]	Plays/pauses the song.
Play from the Top	[SHIFT] button + Pad [13]	[SHIFT] button + Pad [15]	Returns to the beginning of the song and continues playback.
SYNC	Pad [10]	Pad [12]	Automatically syncs the song's tempo (pitch).
Disable SYNC	[SHIFT] button + Pad [10]	[SHIFT] button + Pad [12]	Cancels the sync function.

Function	Deck 1 operation	Deck 2 operation	Explanation
Temp Cue	Pad [9]	Pad [11]	Specifies, plays back and recalls the temporary cue point.  When you first press the pad [9] or [11] after switching to a song for playback, a temporary cue point is set.  Press the pad [9] or [11] after making the settings to move to the temporary cue point.
Delete Temp Cue	[SHIFT] button + Pad [9]	[SHIFT] button + Pad [11]	Deletes the temporary cue point that you set.
Fast Forward	[SHIFT] button + Pad [1]	[SHIFT] button + Pad [3]	Plays back fast-forward.
Rewind	[SHIFT] button + Pad [5]	[SHIFT] button + Pad [7]	Plays back in rewind.
Pitch Bend Up	Pad [1]	Pad [3]	Lets you perform pitch bend operations.
Pitch Bend Down	Pad [5]	Pad [7]	Lets you perform pitch bend operations.
Select Pitch Range	[SHIFT] button + Pad [2]	[SHIFT] button + Pad [4]	Sets the amount of change when you operate the tempo. The amount of change is changed as follows each time you press the buttons.  8% → 16% → 50% → 8% ...
Tempo Increase	Pad [2]	Pad [4]	When key lock function is ON: Playback speed increases.  When key lock function is OFF: Playback speed and pitch increases.
Tempo Decrease	Pad [6]	Pad [8]	When key lock function is ON: Playback speed decreases.  When key lock function is OFF: Playback speed and pitch decreases.
Toggle Keylock	[SHIFT] button + Pad [6]	[SHIFT] button + Pad [8]	Turns the key lock function on/off, which fixes the pitch.
Cue	Pad [14]	Pad [16]	Turns the cue on/off. The audio of the deck for which pad [14] or [16] is lit is output to headphones.
REVERSE	[REVERSE] button + Pad [13]	[REVERSE] button + Pad [15]	Plays in reverse. When you press the buttons again, the audio plays back in reverse from that position.
Censor	[REVERSE] button + Pad [9]	[REVERSE] button + Pad [11]	Reverse playback continues while you press the [REVERSE] button and pad [9]/[11]. Once you take your fingers off the button and pad, playback skips ahead ("snaps back") to the point equal to the amount of time that playback was reversed.

# Performance pad settings

\* Items that are marked  indicate functions that can be used with Serato DJ Pro.



Function	Operation	Explanation
404 Transport / Default Mode	[EXIT] button	Controls playback/stop and related functions for the two decks (deck 1 on the left, and deck 2 on the right).
Hot Cue Mode	[PATTERN EDIT] button	This lets you instantly play back from a set position. You can set up to eight hot cue points per song (“ <a href="#">Hot cue operations (HOT CUE) (p. 17)</a> ”).
Auto Loop Mode 	[LOOP] button	Lets you control the loop playback according to the length (beats) assigned to each pad.
Stem Control Mode	[PATTERN SELECT] button	Lets you control four stems (vocal, melody, bass and drums) per deck.
Roll Beat Jump Mode 	[ROLL] button	Lets you control the beat jump (shifting a specified number of beats) function.
Serato DJ sampler	[SUB PAD] button	Lets you control the songs loaded into the sample slots of Serato Sampler.
SP-404MK2 Sampler	[HOLD] button	Switches to SP-404MK2 sampler mode temporarily when connected to the Serato DJ. Press the pads to play the samples.

# Hot cue operations (HOT CUE)

When you press the [PATTERN EDIT] button, you can control eight hot cues per deck.

Hot cues let you instantly play back from a set position.



Function	Deck 1 operation	Deck 2 operation	Explanation
Hot Cue X Write / Trigger	Pad [1] (Hot Cue 1) Pad [2] (Hot Cue 2) Pad [5] (Hot Cue 3) Pad [6] (Hot Cue 4) Pad [9] (Hot Cue 5) Pad [10] (Hot Cue 6) Pad [13] (Hot Cue 7) Pad [14] (Hot Cue 8)	Pad [3] (Hot Cue 1) Pad [4] (Hot Cue 2) Pad [7] (Hot Cue 3) Pad [8] (Hot Cue 4) Pad [11] (Hot Cue 5) Pad [12] (Hot Cue 6) Pad [15] (Hot Cue 7) Pad [16] (Hot Cue 8)	Press the pads to the left that are unlit during playback or when playback is paused.  This sets a hot cue for the pad you pressed.  When you press a pad for which a hot cue has been set, playback begins from the position you set.

## Hot cue operations (HOT CUE)




Function	Deck 1 operation	Deck 2 operation	Explanation
Hot Cue X Delete	[SHIFT] button + Pad [1] (Hot Cue 1) [SHIFT] button + Pad [2] (Hot Cue 2) [SHIFT] button + Pad [5] (Hot Cue 3) [SHIFT] button + Pad [6] (Hot Cue 4) [SHIFT] button + Pad [9] (Hot Cue 5) [SHIFT] button + Pad [10] (Hot Cue 6) [SHIFT] button + Pad [13] (Hot Cue 7) [SHIFT] button + Pad [14] (Hot Cue 8)	[SHIFT] button + Pad [3] (Hot Cue 1) [SHIFT] button + Pad [4] (Hot Cue 2) [SHIFT] button + Pad [7] (Hot Cue 3) [SHIFT] button + Pad [8] (Hot Cue 4) [SHIFT] button + Pad [11] (Hot Cue 5) [SHIFT] button + Pad [12] (Hot Cue 6) [SHIFT] button + Pad [15] (Hot Cue 7) [SHIFT] button + Pad [16] (Hot Cue 8)	When you press a pad while holding down the [SHIFT] button, the hot cue is removed from the pad you pressed.

# Stem operations (STEM CONTROL)

When you press the [PATTERN SELECT] button, you can control four stems (vocal, melody, bass and drums) per deck.


\* Items that are marked  **serato DJ Pro** indicate functions that can be used with Serato DJ Pro.



Function	Deck 1 operation	Deck 2 operation	Explanation
Trigger Stem ON/OFF	Pad [1] (Vocal) Pad [5] (Melody) Pad [9] (Bass) Pad [13] (Drums)	Pad [3] (Vocal) Pad [7] (Melody) Pad [11] (Bass) Pad [15] (Drums)	Lets you mute/unmute the stems (vocal, melody, bass and drums) that make up the song.
Trigger Stem Effect ON/OFF 	Pad [2] (Vocal Echo) Pad [6] (Melody Echo) Pad [10] (Bass Braker) Pad [14] (Drum Echo)	Pad [4] (Vocal Echo) Pad [8] (Melody Echo) Pad [12] (Bass Braker) Pad [16] (Drum Echo)	When you press these pads, the effect is muted, and you can make a remix performance that uses only specific stems that are processed with effects like echo and braker.
Key Range Up (*1) 	[SHIFT] button + Pad [2]	[SHIFT] button + Pad [4]	Raises the key without changing the tempo.
Key Range Down (*1) 	[SHIFT] button + Pad [6]	[SHIFT] button + Pad [8]	Lowers the key without changing the tempo.

## Stem operations (STEM CONTROL)

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Function	Deck 1 operation	Deck 2 operation	Explanation
Toggle Key Sync (*1) 	[SHIFT] button + Pad [10]	[SHIFT] button + Pad [12]	Lets you set two songs to the same key.

(\*1) Key Sync and Key Range Up/Down are Pitch 'n Time DJ functions. To use these functions, you must purchase and activate Pitch 'n Time DJ.

# Roll beat jump operations (ROLL BEAT JUMP)

This lets you control the beat jump (shifting a specified number of beats) function when you press the [ROLL] button.

\* This function can be used with Serato DJ Pro.



Function	Deck 1 operation	Deck 2 operation	Explanation
1/16 Beat Roll	Pad [1]	Pad [3]	Plays back the audio in a loop while the pad is pressed.
1/8 Beat Roll	Pad [2]	Pad [4]	Once you take your fingers off the pad, playback skips ahead ("snaps back") to the point equal to the amount of time that loop was played back.
1/4 Beat Roll	Pad [5]	Pad [7]	
1/2 Beat Roll	Pad [6]	Pad [8]	
Beat Jump Left	Pad [9]	Pad [11]	The playback time is shifted (jumps) to the left (backwards) for the specified number of beats. You can also jump during loop playback.
Beat Jump Right	Pad [10]	Pad [12]	The playback time is shifted (jumps) to the right (forwards) for the specified number of beats.
Halve Beat Jump Size	Pad [13]	Pad [15]	Reduces the number of beats for beat jump.
Double Beat Jump Size	Pad [14]	Pad [16]	Increases the number of beats for beat jump.

# Auto loop operations (AUTO LOOP)

By pressing the [LOOP] button, you can control the loop playback to match the assigned length (beats) of each pad.

A loop is automatically set from 1/32 to 32 beats, using the song's BPM as a baseline.



Function	Deck 1 operation	Deck 2 operation	Explanation
1/4 Beat Autoloop	Pad [1]: 1/4 beat	Pad [3]: 1/4 beat	Press a pad during playback. The loop plays back at the number of beats assigned to the pad you pressed.  On Serato DJ Lite, you can use a loop setting of 1 beat, 2 beat, 4 beat or 8 beat.
1/2 Beat Autoloop	Pad [2]: 1/2 beat	Pad [4]: 1/2 beat	
1 Beat Autoloop	Pad [5]: 1 beat	Pad [7]: 1 beat	
2 Beat Autoloop	Pad [6]: 2 beat	Pad [8]: 2 beat	
4 Beat Autoloop	Pad [9]: 4 beat	Pad [11]: 4 beat	
8 Beat Autoloop	Pad [10]: 8 beat	Pad [12]: 8 beat	
16 Beat Autoloop	Pad [13]: 16 beat	Pad [15]: 16 beat	
32 Beat Autoloop	Pad [14]: 32 beat	Pad [16]: 32 beat	
Loop 1/2	[SHIFT] button + Pad [13]	[SHIFT] button + Pad [15]	Cuts the loop playback length in half.
Loop 2x	[SHIFT] button + Pad [14]	[SHIFT] button + Pad [16]	Doubles the loop playback length.
Loop SHIFT left	[SHIFT] button + Pad [9]	[SHIFT] button + Pad [11]	When you press these during loop playback, the playback position is shifted backwards (to the left).
Loop SHIFT right	[SHIFT] button + Pad [10]	[SHIFT] button + Pad [12]	When you press these during loop playback, the playback position is shifted forwards (to the right).

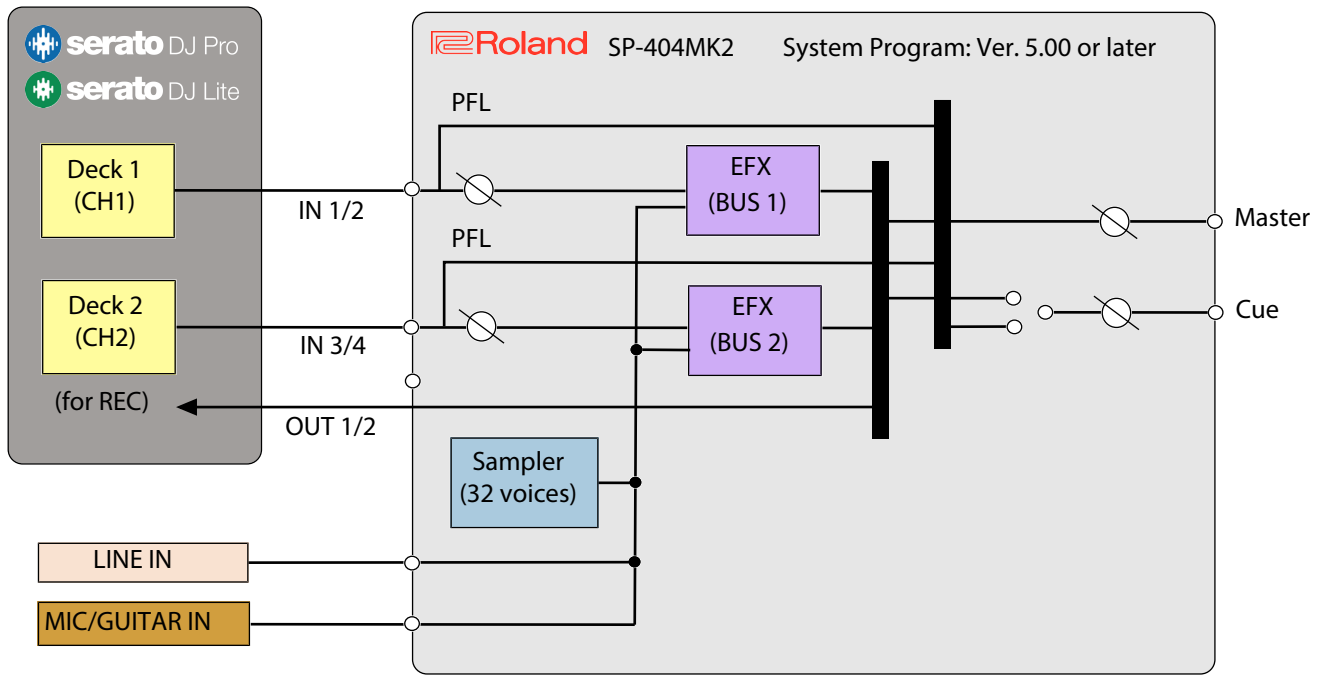
# Serato Sampler operations (Serato SAMPLER)

By pressing the [SUB PAD] button, you can control the songs loaded into the sample slots of Serato Sampler.



Function	Operation	Explanation
Trigger Serato Sampler <b>Slot 1-8</b>	Pad [1]–[8] (slot 1–8)	Plays the sample for the slot assigned to the pad you press.  The playback method depends on the playback mode. For details, refer to the Serato DJ Owner's Manual.  Sample playback stops when you press a pad while holding down the [SHIFT] button.
Sampler Bank A-D	Pads [9]–[12] (BANK A-D)	Switches between Serato Sampler banks. There are four banks (A–D) for Serato Sampler, and each bank contains eight slots.
Set Sampler Output Deck 1	Pad [13]	Switches the audio output destination for Serato Sampler to deck 1.
Set Sampler Output Deck 2	Pad [14]	Switches the audio output destination for Serato Sampler to deck 2.
Set Sampler Output Master	Pad [15]	Switches the audio output destination for Serato Sampler to Master.
Mute Sampler	Pad [16]	Mutes (silences) the audio output for Serato Sampler.

# Audio routing (when connected to Serato DJ)



**SP-404MK2**  
**Using Serato DJ with the SP-404MK2**  
**02**  
**Roland Corporation**

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