RANE

SEVENTY

serato

Powered by Serato DJ Pro

User Guide (English)

Introduction

Thank you for purchasing the Seventy. At Rane DJ, we know how serious music is to you. That's why we design our equipment with only one thing in mind—to make your performance the best it can be.

Box Contents

Seventy

Power Cable

(2) Serato NoiseMap™ Control Vinyl Records

(2) Serato NoiseMap™ Control CDs

Serato Pitch 'n Time Download Card with Serial Number

(2) USB Cables

Rane Stickers

User Guide

Safety & Warranty Manual

Support

For the latest information about this product (documentation, technical specifications, system requirements, compatibility information, etc.) and product registration, visit **rane.com**.

For additional product support, visit **rane.com/support**.

![RANE]

Setup

Items not listed under *Introduction* > *Box Contents* are sold separately.

1. Visit **rane.com** and log into your account. (Create an account if this is your first Rane product.) In your account, register your Seventy and download the Rane Control Panel.

   **Windows users only**: The Rane Control Panel contains drivers required for Windows.

2. **IMPORTANT**: Occasionally, we may update Seventy's firmware to improve its performance. Visit **rane.com** to check for available firmware updates, especially after you update your software (firmware updates may address new software features).

3. Download and install the latest version of Serato DJ Pro from **serato.com**.

4. Using USB cables, connect the USB ports on the Rane Twelve (if using) or other USB MIDI controllers to the **Twelve/Controller USB ports** on Seventy.

5. Connect audio input sources (microphones, turntables, etc.) to Seventy.

6. Connect audio output devices (headphones, power amplifiers, loudspeakers, etc.) to Seventy.

7. Connect all devices to power outlets, and power on the devices in proper order:
   - When starting a session, turn on (1) input sources, (2) Seventy, (3) output devices.
   - When ending a session, turn off (1) output devices, (2) Seventy, (3) input sources.

8. Using a USB cable, connect the USB port on Seventy to your computer. Open Serato DJ Pro and go! For more information on how to use Serato DJ Pro with Seventy, visit **support.serato.com** and select **Rane Seventy**.
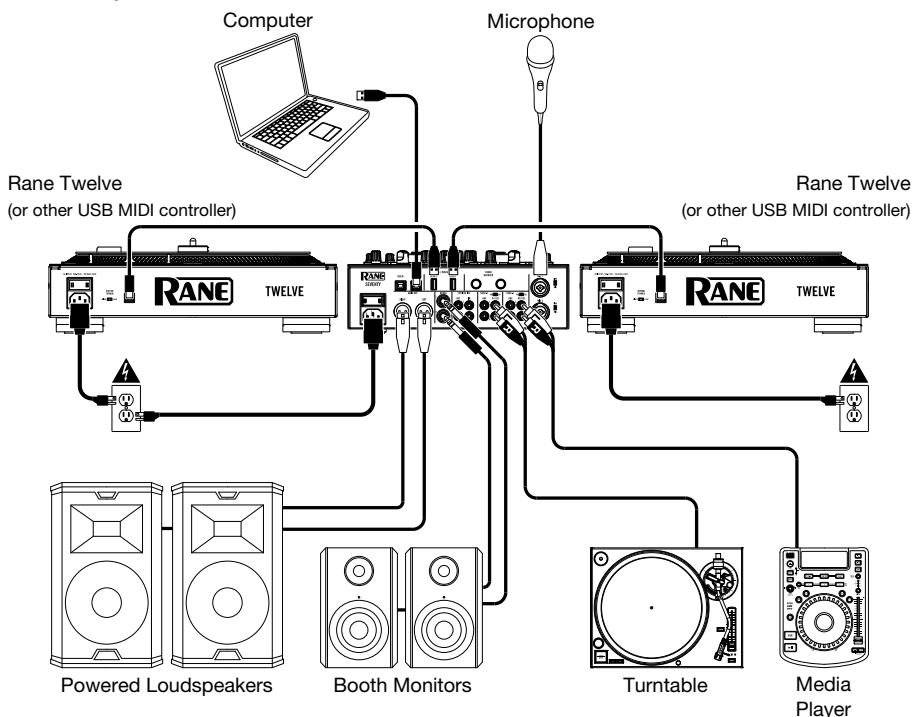
Note: Seventy is Serato DVS enabled, which allows you to control a track in Serato DJ Pro with a vinyl turntable or CD player connected to one of Seventy's **PH/CD** or **Aux** inputs. To use DVS with Seventy, you need **Serato NoiseMap™** control records or CDs (included). See the Serato DJ Pro manual to learn more about DVS.

Features

Top Panel
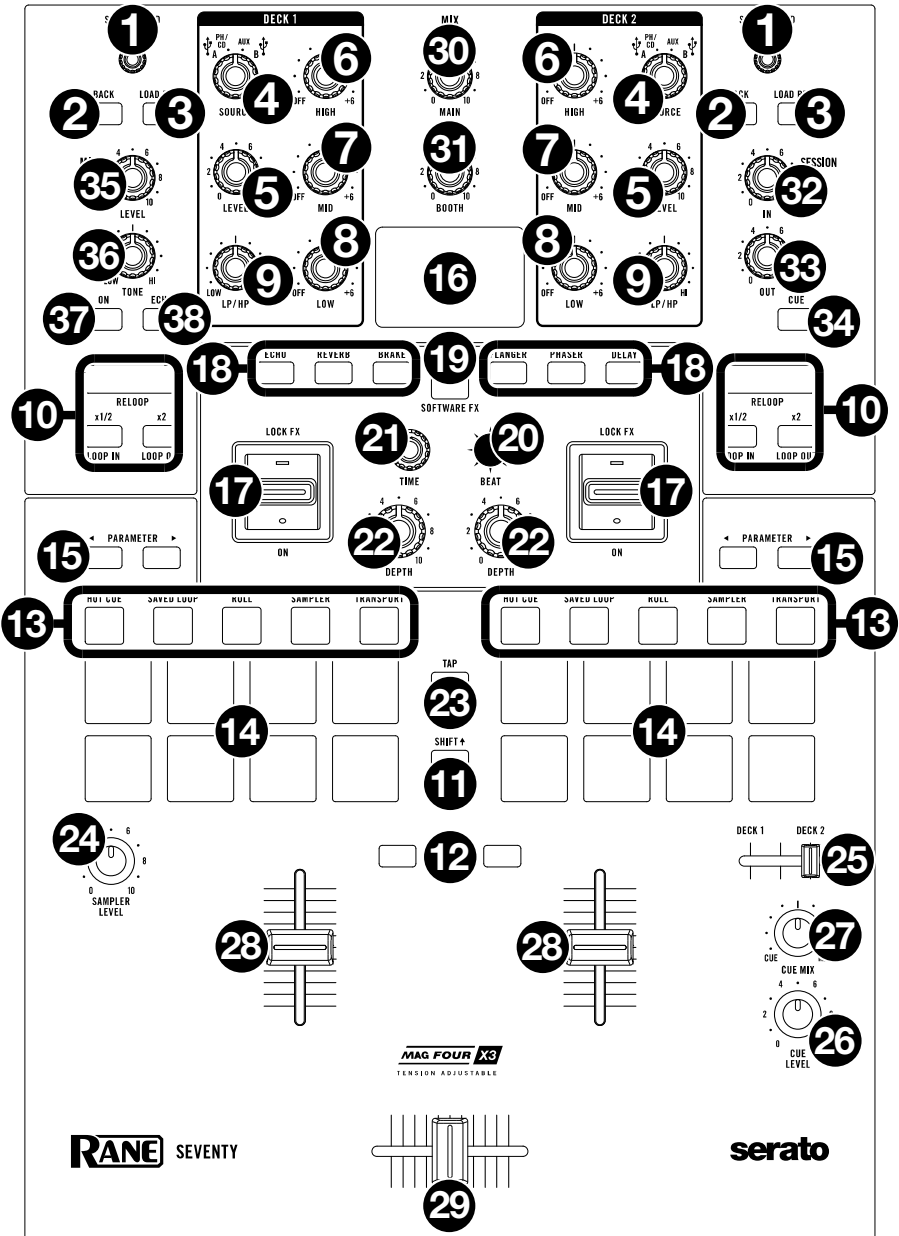
1. **Scroll/Load**: Turn this knob to browse through lists and press it to select an item or load the currently selected track to the deck.

   Tip: Press this knob twice quickly to load the same track to both decks ("instant doubles").

2. **Back**: Press this button to view the previous screen in Serato DJ Pro.

   Hold **Shift⬆** and press this button to cycle through the Files, Browse, Prepare, and History windows in Serato DJ Pro.

3. **Load Prep:** Press this button to send the highlighted track to the Prepare window in Serato DJ Pro.

   Hold Shift and press this button to open the Prepare window.

4. **Deck Source**: Set this knob to the desired audio source for this channel: **USB A** or **B** (a track playing on that layer in the software), **PH/CD** (a device connected to the **Deck PH/CD In** on the rear panel), or **Aux** (a device connected to the **Deck Aux In** on the rear panel).

   Note: If you select **PH/CD**, set the **PH/CD** selector switches on the rear panel properly.

   Note: A deck's controls will send MIDI information only when its **deck source selector** is set to **USB A** or **B**.

5. **Deck Level**: Turn this knob to set the pre-fader, pre-EQ audio level of the corresponding channel. The meter next to this knob indicates the signal's volume level (reduce it if it begins "clipping," reaching the **red** part of the meter).

6. **Deck EQ High**: Turn this knob to adjust the high (treble) frequencies.

7. **Deck EQ Mid**: Turn this knob to adjust the mid-range frequencies.

   Note: All EQ controls are full-kill.

8. **Deck EQ Low**: Turn this knob to adjust the low (bass) frequencies.

9. **Deck LP/HP**: Turn this knob to adjust the filter applied to the deck. Turn the knob counterclockwise to apply a low-pass filter. Turn the knob clockwise to apply a high-pass filter. Set it to the center ("12:00") position to deactivate the filters.

   Note: The filters are full-kill by default, but you can adjust the cutoff frequencies by going to the Main Menu. See *Operation* > *Main Menu* for more information.

10. **Loop Controls:** Use the **Loop On/Off (Reloop), x1/2 (Loop In), and x2 (Loop Out) buttons** to loop segments of the track playing on the corresponding deck. See *Operation* > *Looping* to learn more about creating loops.

11. **Shift**: Press and hold this button to access secondary functions of other controls on Seventy.

12. **Instant Doubles Buttons:** Press a deck's **Instant Doubles button** to load the track on that deck to the other deck; the playhead will be in the same position on both decks. If you would like these buttons to instead perform **Sync** or **Silent Cue** functions, you can adjust the button mode from Seventy's Main Menu. See *Operation* > *Main Menu* for information on how to change the mode and how the modes work.

13. **Pad Mode Buttons**: Press one of these buttons to enter the corresponding pad mode. Press once to enter the primary (printed above) mode, and press a second time to enter the secondary mode. See *Operation* > *Pad Modes* to learn how to use the pads in each mode.

14. **Performance Pads**: These pads have different functions on each deck depending on the current pad mode. Use the **Pad Mode Buttons** to select the pad mode. These pads are velocity-sensitive (in certain modes only), durable, and easy to play. See *Operation* > *Pad Modes* to learn how to use the pads in each mode.

15. **Parameter ◄/►**: Use these buttons for various functions in each pad mode. Press and hold **Shift⬆** and use these buttons to access secondary parameters.

16. **Display**: The main **Display** screen shows adjustable parameters for software and internal Flex FX. The **Display** can also be used to access and edit settings for the mixer. See *Operation* > *Effects* and *Operation* > *Main Menu* for more information.

17. **Effects Toggle**: Move this toggle switch away from you to activate the software effects or Seventy's Flex effects—the toggle will latch to that position. Pull the toggle back to the center position to deactivate the effects.

   Pull and hold this toggle toward you to activate the software effects or Seventy effects momentarily, and release the toggle to deactivate the effects—the toggle will return to the center position.

   Note: The **Effects Toggle** switches can be removed and rotated 180° depending on your preference.

18. **FX Buttons:** Use these buttons to select or deselect effects for activation by the **Effects Toggles**.

19. **FX Mode Button:** Use this button to determine whether the **FX Buttons** select Seventy's internal Flex FX or software effects. While in Flex FX Mode, the **FX Mode Button** will be lit blue. While in Software Effects Mode, the button will be lit amber.

20. **FX Joystick:** Push this joystick up and down or left and right to navigate effect parameters and menu settings shown on the **Display**.

21. **Parameter Knob:** Turn this knob to edit effect parameters and menu settings. When editing menu settings, press this knob to save your changes to the setting.

22. **Depth**: Turn this knob to adjust the "wet-dry" mix of the effects on the corresponding deck.

23. **Tap:** Press this button two or more times at the desired BPM in order to manually set the FX tempo for the deck in focus on the **Display**. To reset the FX tempo back to automatically matching the software tempo, press and hold the **Tap button** for three seconds.

    Hold **Shift↑** and press the **Tap button** to bring up Seventy's Main Menu.

24. **Sampler Level**: Turn this knob to adjust the volume level of the software sampler.

25. **Cue Slider:** Push this slider to the left or right to determine which deck is sent to the cue channel. When the slider is in the center position, both decks will be sent to the cue channel.

26. **Cue Level**: Turn this knob to adjust the volume level of the cue channel.

27. **Cue Mix**: Turn to mix between the cue channel and program mix in the **headphone outputs**. When all the way to the left, only the cue channel will be heard. When all the way to the right, only the program mix will be heard.

28. **Channel Fader**: Move this fader to adjust the volume level of the corresponding deck.

29. **Crossfader**: Move this fader to mix between the decks.

30. **Main**: Turn this knob to adjust the output volume of the **main outs**. The meters next to this knob indicate the signal's volume level (reduce it if it begins "clipping," reaching the **red** part of the meter).

31. **Booth**: Turn this knob to adjust the output volume of the **Booth Outs**.

32. **Session Out**: Turn this knob to adjust the output volume of the **Session Outs**.

33. **Session In**: Turn this knob to adjust the input volume of the **Session Ins**.

34. **Session In Cue**: Press this button to send the signal from the **Session Ins** to the cue channel for monitoring. When engaged, the button will be lit.

35. **Mic 1 Level**: Turn this knob to adjust the gain of the **Mic 1 Input**.

36. **Mic 1 Tone**: Turn this knob to adjust the balance of low (bass) and high (treble) frequencies of the audio signal coming from the **Mic 1 Input**.

37. **Mic 1 On/Duck**: Press this to activate or deactivate the **Mic 1 Input** on the rear panel.

    Press and hold this button for 2 seconds to activate the "ducking" feature, which reduces the volume level of all other inputs by 10 dB. The button will flash when this feature is active. Press this button once more to deactivate this feature and the **Mic 1 Input**. If you would like to edit the volume threshold or the hold time for the mic ducking feature, you can do so in the Main Menu. See *Operation* > *Main Menu* for more information.

38. **Mic 1 Echo**: Press this button to activate or deactivate the echo effect on the **Mic 1 Input** signal. Turn the **Mic 1 Echo** knob on the front panel to adjust the amount of the effect. If you would like to edit the amount of feedback for the mic echo feature, you can do so in the Main Menu. See *Operation* > *Main Menu* for more information.

Rear Panel
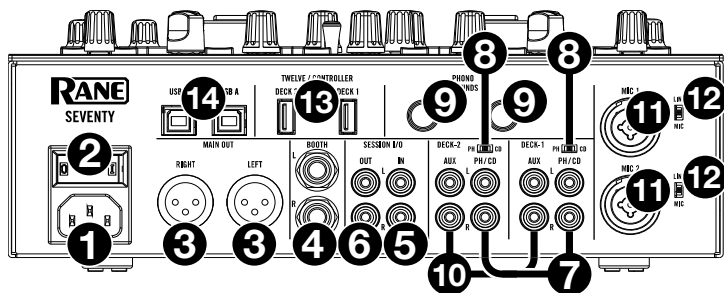
1. **Power Input**: While Seventy is powered off, connect the included power cable to this input and then to a power outlet.
2. **Power Switch**: Use this switch to power Seventy on or off. Power on Seventy only **after** you have connected all of your input devices and before you power on your amplifiers and loudspeakers. Power off your amplifiers and loudspeakers **before** powering off Seventy.
3. **Main Out** (XLR): Connect these outputs to loudspeakers or an amplifier system. Use the **Master** knob on the top panel to control the volume level.
4. **Booth Out** (1/4"/6.35 mm, TRS): Connect these outputs to booth monitors or a booth amplifier system. Use the **Booth** knob on the top panel to control the volume level.
5. **Session In** (RCA): Connect these inputs from a line-level device like another mixer, a CD player, drum machine, etc. The signal will be sent directly to the program mix. Turn the **Session In** knob on the top panel to control the input volume level.
6. **Session Out** (RCA): Connect these outputs to another mixer, recording device, etc. The program mix will be sent to these outputs. Turn the **Session Out** knob on the top panel to control the volume level.
7. **Deck PH/CD In** (RCA): Connect these inputs to an external audio source or to a turntable, CD player, or other line-level device. Remember to set the corresponding **PH/CD** selector to the appropriate position and to set the **deck source** knob for that deck to **PH/CD** to play its audio signal on that deck.
8. **PH/CD Selector**: Set this switch to the appropriate position, depending on the device connected to the **PH/CD Ins** of the corresponding deck. If you are using phono-level turntables, set this switch to **PH** to provide the additional amplification needed for phono-level signals. If you are using a line-level device, such as a line-level turntable, CD player or sampler, set this switch to **CD**.
9. **Phono Grounds**: If you are using phono-level turntables with a grounding wire, connect the grounding wire to these terminals. If you experience a low "hum" or "buzz", this could mean that your turntables are not grounded.

   Note: Some turntables have a grounding wire built into the RCA connection and, therefore, nothing needs to be connected to the grounding terminal.
10. **Deck Aux In** (RCA): Connect these inputs to an external line-level audio source. Remember to set the **Deck Source** knob for that deck to **Aux** to play its audio signal on that deck.
11. **Mic Inputs 1–2** (XLR / 1/4"/6.35 mm, TS): Connect microphones or line-level devices to these mono inputs. Their mono audio signals are split and routed directly to the stereo program mix and cue channel. If you prefer a stereo line input, the **Session In** may be used.
12. **Line/Mic Selector**: Set this switch to the appropriate position, depending on the device connected to **Mic Inputs 1–2**. If you are using a microphone, set this switch to **Mic**. If you are using a line-level device, such as a keyboard or sampler, set this switch to **Line**.
13. **Twelve/Controller USB Ports** (USB Type-A): Use USB cables to connect these USB ports to your controllers such as Twelve or a standard USB MIDI controller.

    Important: Do not connect USB drives to these ports. Switching the **Deck Source** knob will force eject the drive from the connected computer, which could damage the contents and should be avoided.
14. **USB Ports** (USB Type-B): Use USB cables to connect these USB ports to available USB ports on your computer. These connections send and receive audio and MIDI control information to and from the computer.

    Note: Make sure you have downloaded and installed the Rane Control Panel from **rane.com**.

Front Panel
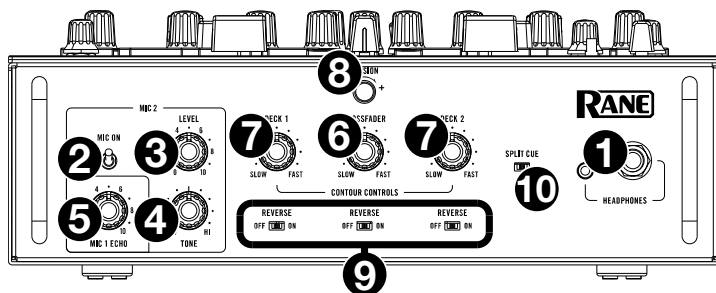
1. **Headphone Outputs** (1/4", 1/8" / 6.35 mm, 3.5 mm, TRS): Connect your 1/4" or 1/8" (6.35 mm or 3.5 mm) headphones to this output for cueing and mix monitoring.

2. **Mic 2 On**: When set to **On**, the **Mic 2 Input** on the rear panel is active, and its audio signal is routed directly to the program mix and cue mix. When set to **Off**, the **Mic 2 Input** is disabled.

3. **Mic 2 Level**: Turn this knob to adjust the gain of the **Mic 2 Input**.

4. **Mic 2 Tone**: Turn this knob to adjust the balance of low (bass) and high (treble) frequencies of the audio signal coming from the **Mic 2 Input**.

5. **Mic 1 Echo**: Turn this knob to adjust the amount of the echo effect on the **Mic 1 Input** signal. Press the **Mic 1 Echo** button on the top panel to activate or deactivate this effect.

6. **Crossfader Contour Knob**: Use this knob to adjust the slope of the crossfader curve. Turn the knob to the left for a smooth fade (mixing) or to the right for a sharp cut (scratching). The center position is a typical setting for club performances.

7. **Channel Fader Contour Knobs:** Use this knob to adjust the slope of the **Channel Fader** curves. Turn the knob to the left for a smooth fade or to the right for a sharp cut.

8. **Tension Knob:** Use this knob to adjust the tension of the **Crossfader**. Turn the knob to the left to loosen the crossfader for a lighter feel and to the right to tighten the crossfader for a heavier feel.

9. **Fader Reverse**: Set this switch to **On** to reverse the direction ("polarity") of the corresponding fader. Set it to **Off** to use the conventional fader polarity.

10. **Split Cue**: When this switch is set to the **On** (right) position, the headphone audio will be "split" such that the cue channel is summed to mono and sent to the left headphone channel while the program mix is summed to mono and sent to the right channel. When the switch is set to the **Off** (left) position, the cue channel and program mix will be "blended" together. In both cases, use the **Cue Mix** knob on the top panel to control the balance of the two signals.

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Operation

Looping

Each deck on the Seventy is equipped with three buttons on the top panel that you can use to easily create and modify loops. Each button has a primary function (printed above the button) and a secondary function (printed below the button).
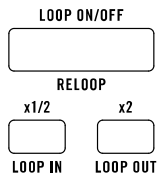
To activate an autoloop of a track playing on a deck, press the deck's **Loop On/Off (Reloop) button**. The length of the loop in bars will depend on your software's current loop size setting. If the current setting is not the loop size you want, you can change the loop size.

To change the autoloop size, use the **x1/2 (Loop In) button** to divide the number of bars in half or the **x2 button (Loop Out)** to double the number of bars. You can change the loop size either before you activate a loop or while a loop is active and playing.

To deactivate an autoloop of a track playing on a deck, press the deck's **Loop On/Off (Reloop) button**.

To activate the last used loop on a deck, hold **Shift⬆** and press the **Loop On/Off (Reloop) button** on the corresponding deck while the previously looped track is still playing. The same segment of the track that was looped before will be looped again.

To activate a manual loop of a track playing on a deck, use the deck's **x1/2 (Loop In)** and **x2 (Loop Out) buttons**. Press the **x1/2 (Loop In) button** to set the start point for the loop, then press the **x2 (Loop Out) button** to set the end point for the loop. After you set the end point, the loop will automatically begin playing.

To deactivate a manual loop of a track playing on a deck, press the deck's **Loop On/Off (Reloop) button.**

Effects

Flex FX Mode Display

Software Effects Mode Display (with Multi FX enabled)
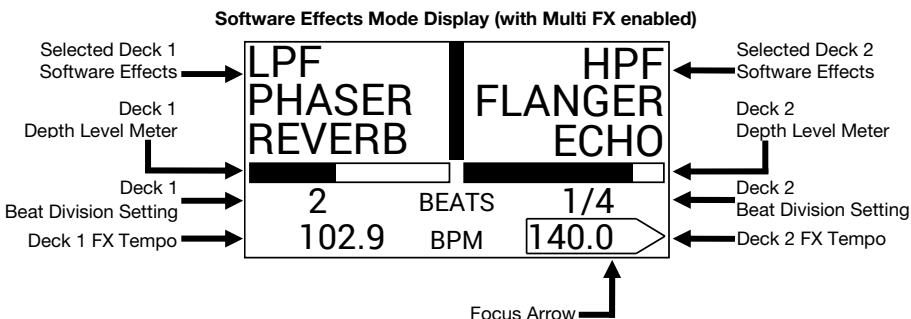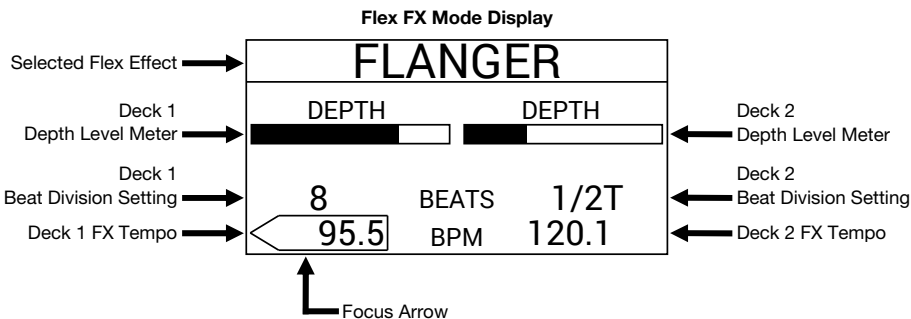
Applying Effects to a Deck

To activate software or internal effects on a deck, use the deck's **Effects Toggle**. Latch the toggle in the up position to apply effects to a deck. Alternatively, you can pull the toggle down and then let go in order to momentarily apply effects to the deck.

To deactivate software or internal effects on a deck, place the deck's **Effects Toggle** in the center position.

To select or deselect which effects will be activated by the Effects Toggles, press the **FX buttons**. When an effect is selected, the corresponding **FX button** will be brightly lit, and the effect name will appear on the **Display**.

To change whether the FX buttons select software or internal effects, press the **FX Mode button**. When set to Flex FX Mode, the **FX Mode button** will be lit blue. When set to Software Effects Mode, the button will be lit amber.

If set to Flex FX Mode, you can activate one effect, which will be applied to both decks.

If set to Software Effects Mode, you can stack up to three different effects on each deck.

Note: If you would like to use multiple software effects on a deck, set **Software FX > Multi FX** to **On** in the Main Menu, which you can access by holding **Shift⬆** and pressing **Tap** (see the *Main Menu* section of this manual for more help navigating the settings). Also, make sure that Serato DJ Pro is set to Multi FX mode by going to the **FX** tab and selecting the deck's ●● icon.

In Software Effects Mode, the **FX buttons** to the left of the **FX Mode button** will correspond to Bank A software effects (routed by default to Deck 1), and the three **FX buttons** to the right of the **FX Mode button** will correspond to Bank B software effects (routed by default to Deck 2). Names of Serato DJ Pro effects will be visible on Seventy's **Display** (as pictured on the previous page).

To change which Serato DJ Pro effect is applied to a deck in Software Effects Mode:
1. Hold **Shift⬆** and then press the **FX button** corresponding to the effect. The **FX button** will flash.
2. Turn the **Parameter Knob** to scroll through effects. As you scroll, the effect name will update on the **Display**.
3. When the effect you'd like to apply is displayed, press the **Parameter Knob**. The **FX button** will stop flashing.

To use software effects and a Flex effect simultaneously, set **Software FX > Mix Flex FX** to **On** in the Main Menu, which you can access by holding **Shift⬆** and pressing **Tap** (see the *Main Menu* section of this manual for more help navigating the settings). While this setting is **On,** the currently activated effect(s) will remain active even as you change the FX mode. If the setting is **Off**, switching the FX mode will deselect any effect(s) from the previous mode.

To change how software effects sound when they're deselected, set **Software FX > USB Insert** to **On** or **Auto** in the Main Menu, which you can access by holding **Shift⬆** and pressing **Tap** (see the *Main Menu* section of this manual for more help navigating the settings). When set to **Auto**, any active software effect will be muted as soon you deselect it with the **FX button**. When set to **On**, deselected software effects will have an audible "tail" as they gradually decay.

Note: The **Auto** setting may be preferable for Scratch DJ's, as it decreases the amount of overall audio latency, better allowing you to scratch with precision.

Editing Live Effects on a Deck

The **Display** screen will show the FX tempo for each deck, which will automatically match the tempo of the song playing on the deck (unless you manually change this setting as described below). With most effects, the **Display** will also show the FX beat division and depth level for each deck. See the previous page for an illustration of the **Display**.

To change which deck is in focus on the Display, push the **FX Joystick** left and right. The **Focus Arrow** surrounding the FX tempo will show which deck is currently in focus.

To edit a deck's FX tempo, turn the **Parameter Knob** or press the **Tap button** two or more times at the desired BPM while the deck is in focus on the **Display**. The new FX tempo will be shown on the **Display**.

Note: After you manually edit a deck's FX tempo, the setting will not reset even after loading a new song to the deck. To make a deck's FX Tempo go back to automatically matching the tempo of the track loaded on the deck, press and hold the **Tap button** for three seconds while the deck is in focus on the **Display**.

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To edit a deck's FX beat division, push the **FX Joystick** up or down while the deck is in focus on the **Display**. Use this setting to adjust the rhythmic timing of a deck's effect(s) in accord with the FX tempo.

By default, the available beat division settings for the Flex FX range from **1/32T** (32nd note triplet) – **32D** (32 bars dotted), while the beat division settings for Serato DJ Pro effects range from **1/16** (16th note) – **8** (8 bars). If you would like to modify the available beat division settings for the Flex FX, you can go to the Main Menu and switch from the default **Extended** Mode to **No Dotted**, **No Triplet**, or **Simple** Mode. See the *Main Menu* section of this manual for more help navigating the settings.
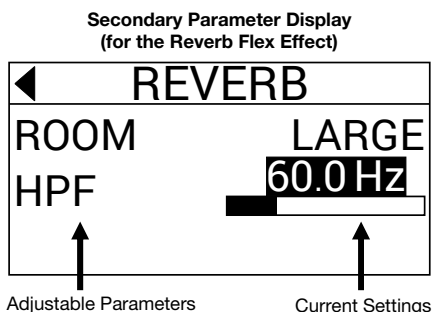
Note: The **Brake** effect does not have a beat division parameter. In place of a beat division parameter, the Reverb effect has a **Decay** parameter, which adjusts the intensity and duration of the reverb.

To increase or decrease a deck's FX depth level, turn the **Depth Knob** for the deck. As you increase or decrease the depth level, the **Depth Level Meter** will update on the **Display**.

Note: In place of a **Depth Level Meter**, the Brake effect has a **Length Meter**, which adjusts the amount of time it will take for a track to stop or "brake" when the effect is activated.

To edit a secondary Flex effect parameter while in Flex FX Mode:

1. Hold **Shift↑** and press the **FX button** for the effect. This will take you to the secondary parameter **Display** screen.
2. Highlight the parameter you want to adjust with the **FX Joystick.** Then turn the **Parameter Knob** to adjust the parameter.
3. Push the **Parameter Knob** to confirm your changes to the parameter. The new setting will be saved and remembered when you power off Seventy.
4. Press an **FX button** or push the **Joystick** to the left in order to return to the main Flex FX **Display** screen.

Secondary Parameter Display
(for the Reverb Flex Effect)

◄ REVERB
ROOM   LARGE
HPF   60.0 Hz

Adjustable Parameters   Current Settings

Note: The **Brake** and **Delay** Flex FX do not have secondary parameters.

The following secondary Flex effect parameters are available for editing:

- **Echo:**
  - **Type**: **Simple**, **Duck**, or **Hold**. Use the **Simple** setting for a standard echo effect. If **Duck Echo** is selected, the echo effect will be heard only when the deck is muted with the **Channel Fader** or **Crossfader**. Use the **Hold** setting for a standard echo effect with extra feedback; if **Hold Echo** is selected and the **Feedback** parameter is set to **100%**, the echoes will infinitely recirculate.
  - **HPF**: Sets the cutoff frequency for the echo effect. Any frequencies below the assigned cutoff will be bypassed by the effect.
  - **Feedback**: Sets the level and decay time of the echo.
- **Reverb:**
  - **Room**: **Small** or **Large**. The **Small** setting will simulate the reverb effect of a small room, making for tighter reverberation sounds. The **Large** setting will simulate the reverb effect of a larger room, making for longer reverberations.
  - **HPF** (High Pass Filter): Sets the cutoff frequency for the reverb effect. Any frequencies below the assigned cutoff will be bypassed by the effect.
- **Flanger:**
  - **Feedback**: Adjusts the intensity and resonance of the flanger.
  - **Polarity**: Select between **POS** (positive) and **NEG** (negative) to adjust the overall harmonics of the flanger.
- **Phaser:**
  - **Feedback**: Adjusts the intensity and resonance of the phaser.

You can also change default Flex FX parameters from Seventy's Main Menu. To learn more, see the *Main Menu* section of this manual.

Pad Modes

This chapter describes the different pad modes. Each deck has eight pads, which are always in one of these modes, and each deck's pads can be in a different mode. Press one of the **Pad Mode** buttons to enter the corresponding pad mode on that deck. With each press, a **Pad Mode** button will alternate between a primary and secondary pad mode. When you enter a primary pad mode, the corresponding **Pad Mode** button will be lit with its primary color. When you enter a secondary pad mode, the corresponding **Pad Mode** button will be lit red.

HOT CUE	SAVED LOOP	ROLL	SAMPLER	TRANSPORT
1	2	3	4	TAP
5	6	7	8	SHIFT
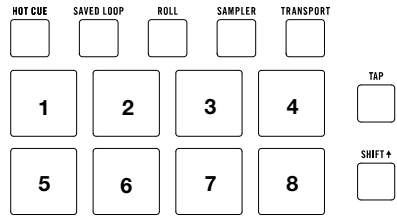
Note: If you would like to increase the brightness of the pads, set **Pad > Daytime Mode** to **On** in the Main Menu, which you can access by holding **Shift** and pressing **Tap** (see the *Main Menu* section of this manual for more help navigating the settings).

Cue

In Cue Mode, each pad assigns a hot cue point or returns the track to that hot cue point.

To enter Cue Mode, press **Hot Cue** so that it lights **white** (with the other pad mode buttons lit in their primary colors).

To assign a hot cue point, press an **unlit Pad** at the desired point in your track. The pad will light up when it is assigned (with the corresponding color, if available).

To jump to a hot cue point, press a **lit Pad**.

To delete an assigned hot cue point, press **Shift** and the corresponding pad.

Pitch Play

In Pitch Play Mode, each pad plays the track from a hot cue point at a different transposition (adjustable by semitones). The Serato Pitch 'n Time DJ Expansion Pack must be installed to use this mode. See *Cue* to learn how to assign hot cue points.

Note: A Serato Pitch 'n Time download card with serial number is included with your Seventy.
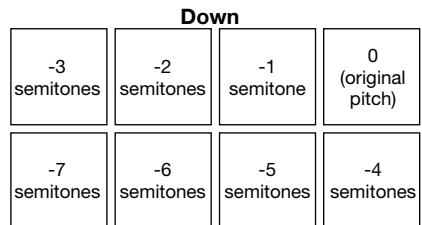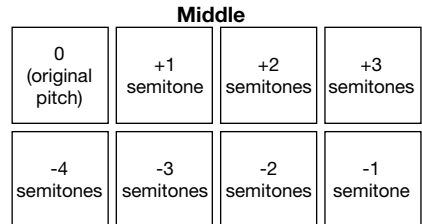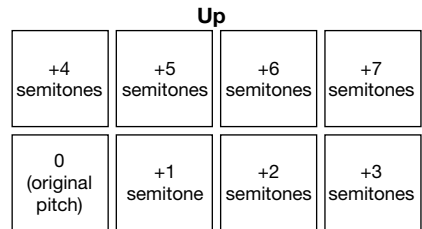
To enter Pitch Play Mode, press **Hot Cue** so that it lights **red**.

To select which hot cue point to use, press **Shift** and a **dimly lit Pad**.

To select the range of transpositions the pads will use, use the **Parameter ◄/►** buttons (see the diagrams here).

To adjust the key of the current track down or up, press **Shift** and the **Parameter ◄/►** buttons, respectively.

To play the track from the hot cue point, press a **lit Pad**. Each pad corresponds to a specific transposition (by semitones), depending on the current range of transposition (see the diagrams here). The pad with no transposition (the original pitch) will be lit **white**.

Up

+4 semitones	+5 semitones	+6 semitones	+7 semitones
0 (original pitch)	+1 semitone	+2 semitones	+3 semitones

Middle

0 (original pitch)	+1 semitone	+2 semitones	+3 semitones
-4 semitones	-3 semitones	-2 semitones	-1 semitone

Down

-3 semitones	-2 semitones	-1 semitone	0 (original pitch)
-7 semitones	-6 semitones	-5 semitones	-4 semitones

Saved Loop

In Saved Loop Mode, each pad triggers a loop previously saved in your software.

To enter Saved Loop Mode, press **Saved Loop** so that it lights **dark blue**.

To play a loop, press a **lit Pad**. Each deck's eight pads will correspond to Saved Loops 1–8 in your software, and the color of each pad will correspond to the color assigned to each loop in your software.

1 Saved Loop 1	2 Saved Loop 2	3 Saved Loop 3	4 Saved Loop 4
5 Saved Loop 5	6 Saved Loop 6	7 Saved Loop 7	8 Saved Loop 8

To restart the currently playing loop, press **Shift⬆** and the corresponding **lit Pad**.

To halve or double the length of the loop, press the **Parameter ◄/►** buttons.

To shift the loop backward or forward, press **Shift⬆** and the **Parameter ◄/►** buttons.

Flip

If you have purchased the Serato Flip Expansion Pack, you can access the Flip control by pressing **Saved Loop** so that it lights **red**. If you have not purchased the Flip Expansion Pack, this will be available as a Custom Pad mode.

In this mode, **unlit** pads have no Flip assigned to them; pads lit **blue** have a Flip assigned but are not playing; pads lit **orange** have a Flip assigned and are currently playing.

Flip 1	Flip 2	Flip 3	Flip 4
Flip 5	Flip 6	No Function	No Function

To assign a Flip to a pad, press an **unlit** pad **(1-6).**

To play an assigned Flip, press the corresponding **blue lit** pad **(1-6).**

To immediately stop playback of a Flip, hold **Shift⬆** and then press the corresponding **orange lit** pad **(1-6)**.

To start Flip recording, press the left **Parameter ◄** button.

To return to the start of the selected Flip, press the right **Parameter ►** button.

To toggle the Flip Slot Loop, hold **Shift⬆** and then press the left **Parameter ◄** button.

To toggle the Flip Slot on and off, hold **Shift⬆** and then press the right **Parameter ►** button.

Roll

In Roll Mode, each pad triggers a momentary loop roll. Releasing the pad stops the loop roll and resumes normal playback where the playhead would be if you had not triggered the loop roll (i.e., as if the track had been playing forward the whole time).

Note: Disable **Show Beat Jump Controls** in the Serato **Setup** menu to access 8 loop rolls at once. You can also view and edit the set loop sizes in the software.

To enter Roll Mode, press **Roll** so that it lights **aqua**.

To trigger a loop roll, press and hold a **Pad**.

To change which eight lengths for loop rolls are shown (in the software)**,** press either of the **Parameter ◄/►** buttons. The pad layout will shift to match it.

To shift the loop roll backward or forward, press **Shift⬆** and the **Parameter ◄/►** buttons, respectively.

Sampler

In Sampler Mode, the pads will control the sampler in the software. The **pads** each trigger a sample at a specified volume (you can assign the sample and its volume in the software).

To enter Sampler Mode, press **Sampler** so that it lights **purple**.

To assign a sample, first highlight the desired sample in your library. Then hold **Shift⬆** and press a pad corresponding to an empty sampler slot. The sampler slot volume can be adjusted in Serato.

To play a sample, press a **lit pad**. The pad will flash as the sample plays.

To stop playback of a sample, press **Shift⬆** and a **Pad** while it plays.

To cycle through the sample banks, press the **Parameter ◄/►** buttons.

To cycle through the Sampler outputs, press **Shift⬆** and the **Parameter ◄/►** buttons.

Transport

In Transport Control Mode, the pads correspond to different transport controls. The software will automatically enter Internal Mode when you do this (if you are using a Twelve controller with Seventy, the software will always be in Internal Mode).

To enter Transport Mode, press **Transport** so that it lights **green**.

To bend the pitch downward temporarily, press **Pad 1**.

To bend the pitch upward temporarily, press **Pad 2**.

To move the pitch fader down, press **Pad 3**.

To move the pitch fader up, press **Pad 4**.

To enable or disable Keylock, press **Pad 5**.

1 Pitch Bend -	2 Pitch Bend +	3 Pitch Fader -	4 Pitch Fader +
5 Keylock INT/REL	6 Sync	7 Cue	8 II ►

To switch between Internal Mode (INT) **and Relative Mode** (REL), press **Shift⬆** and **Pad 5**. (Switching to Relative Mode will allow you to resume control of playback with control vinyl or control CDs.)

To activate Sync, press **Pad 6**. Press **Shift⬆** and **Pad 6** to deactivate sync.

To skip to the cue point, press **Pad 7**.

To play or pause the track, press **Pad 8**.

RANE

Custom Pad Sets

Seventy comes with two customizable pad modes. For these modes, you can use Serato DJ Pro's MIDI mapping feature to program the **Performance Pads** to trigger functions of your choosing.

To enter a custom pad mode, press either **Roll** or **Transport** so that the button lights **red**.

Note: You may need to set **Pad > User Modes** to **On** in the Main Menu, which you can access by holding **Shift⬆** and pressing **Tap** (see the *Main Menu* section of this manual for more help navigating the settings). If this setting is not **On**, the custom pad modes will not be accessible.

To create a custom pad set:

1. While connected to Serato DJ Pro, make sure that Seventy is entered into one of the two custom pad modes (as described above).

2. In Serato DJ Pro, open the **Setup** menu and select **MIDI**.

3. Select Seventy and make sure that **Allow Serato DJ Hardware Remapping** is enabled. Close the Setup window.

4. In the main Serato DJ Pro window, click the **MIDI** button at the top of the screen to begin mapping.

5. Click a feature in Serato DJ Pro, then touch or move a control on your hardware to map the feature to that control.

See the Serato DJ Pro manual for more information on MIDI mapping.

Main Menu

The Seventy comes with various settings that you can edit and save in order to customize the mixer's operation. Settings can be edited in the Main Menu, which can be viewed on the **Display**.

Navigating the Main Menu

```
◄    MAIN MENU
     SETTINGS         ►
     CUT-IN ADJUST    ►
     FLEX FX          ►
     SOFTWARE FX      ►
```
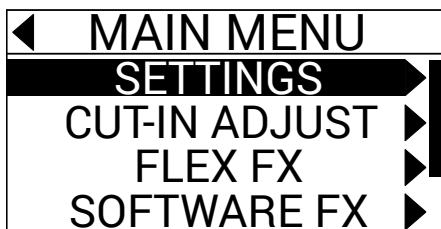
To enter or exit the Main Menu on the Display, hold **Shift⬆** and press the **Tap button**.

To highlight pages or settings in the menu, push the **FX Joystick** up and down.

To select pages in the menu, press the **Parameter Knob**.

To go back one page in the menu, push the **FX Joystick** to the left.

To edit settings in one of the menu pages, turn the **Parameter Knob** while the setting is highlighted.

To save your changes to a setting, press the **Parameter Knob** while the setting is highlighted.

Menu Options

The Main Menu contains the following pages and options:

Settings: Select this page to adjust settings for some of the mixer's audio controls:

- **Audio:**
  - o **Main Out:** Determines whether the main mix is in stereo or mono.
  - o **Mix Pan:** Controls the left-right balance of the main mix signal.

- **Deck 1** and **Deck 2:**
  - o **PH Sens** (Phono Sensitivity)**:** If connecting a turntable to a deck's **PH/CD In**, use this setting to make sure that the turntable functions optimally with Seventy. Set the input sensitivity level (**2.5** mV – **10.0** mV) to the setting recommended by your turntable cartridge's manufacturer.
  - o **Tone XOver:** Use this setting to edit the range of frequencies controlled by each of the deck's EQ knobs. If **150/6K** is selected, the **Low EQ Knob** will control frequencies below 150 Hz, the **Mid EQ Knob** will control frequencies between 150 Hz and 6000 Hz, and the **High EQ Knob** will control frequencies over 6000 Hz. If **300/3K** is selected the **Low EQ Knob** will control frequencies below 300 Hz, the **Mid EQ Knob** will control frequencies between 300 and 3000 Hz, and the **High EQ Knob** will control frequencies above 3000 Hz.
  - o **Pan:** Use this setting to adjust the left-right balance of the deck's signal within the main mix.
  - o **DVS Input:** If you are connecting Seventy to an external device (such as a vinyl turntable) in order to control Serato DJ Pro with Serato DVS, you can use this setting to determine which of Seventy's inputs is recognized by Serato DJ Pro as the control source: **PH/CD** (the **Deck PH**/**CD In**) or **AUX** (the **Deck Aux In**).

- **Filter:**
  - o **Deck1** and **Deck2 Res:** Use this setting to increase or decrease the amount of resonance effect heard when the filter is used.
  - o **LPF Min:** The cutoff frequency for the LOW position of the filter knobs. At **FULL CUT**, the LOW position will silence the deck.
  - o **HPF Max:** The cutoff frequency for the HI position of the filter knobs. At **FULL CUT**, the HI position will silence the deck.

- **Pad:**
  - o **Sensitivity:** Adjusts how hard you need to strike the **Performance Pads** in order for them to perform their assigned functions. The lower the setting, the harder you have to strike the pad.
  - o **User Modes:** Turns **On** or **Off** the ability to access the two custom pad modes. See *Pad Modes > Custom Pad Sets* to learn more about the custom modes.
  - o **Daytime Mode:** Turning this setting **On** increases the brightness of the **Performance Pad** LEDs.

- **Headphone:**
  - o **Tone:** Adjusts the balance of low and high frequencies sent out the **Headphone Outputs**. Turn the **Parameter Knob** to the left for more low (**L**) frequencies or to the right for more high (**H**) frequencies.

- **Mic 1:**
  - o **Echo Fdbk:** Increases or decreases the amount of audible feedback effect when the Mic 1 Echo is activated.
  - o **Duck Thres:** This setting (**Low, Med, or High**) adjusts how much microphone input volume is required in order for the main mix volume to be decreased (or "ducked" under the mic audio). The higher the setting, the louder you have to speak in the microphone in order for the main mix to be ducked.
  - o **Duck Hold:** This setting determines how long the main mix volume will remain ducked after you stop using the microphone.
  - o **Clean Feed:** When this setting is **On**, Serato DJ Pro will not receive audio from the Seventy's **Mic 1 Input** while recording is in progress. This way, you can record your live DJ set and still use the microphone without it affecting the recorded mix.

- **Instant Dbls:** Select this option to determine the default mode for each deck's **Instant Doubles** button:
  - o **Normal:** In this mode, press the button to load the deck's track to the other deck.
  - o **Sync Mode:** In this mode, press the button to automatically sync the deck's tempo with the other deck. Hold **Shift↑** and press the button to deactivate sync.
  - o **Silent Cue:** In this mode, press the button to mute the deck. You can use this feature to silence a track before selecting a hot cue for playback with the **Performance Pads** (the deck will unmute as the cued audio begins playing). You can also unmute the deck by holding **Shift** and pressing the button (the track's playhead will be unaffected).
- o **Defaults:** Select this option to restore all of the settings in the **Settings** page to their factory default values.

Cut-In Adjust: Select this page to enter the Cut-In Adjust setup menu:
- **Deck 1** and **Deck 2:** Set these between **0** and **16** to determine the amount of dead space between the closed and open positions of the deck's fader. The higher the setting, the higher you have to push the **Channel Fader** in order for any audio to be heard.
- **XFader L** and **XFader R:** Set these between **0** and **16** to determine the amount of dead space between the **Crossfader's** closed and open positions. The higher the setting, the further you have to push the **Crossfader** toward the center position in order for any audio to be heard.

Flex FX: Select this page to view and edit the internal Flex FX settings:
- **Beats:** Select this option to determine the increments in which the Flex FX beat division parameter can be adjusted:
  - o In **Extended** Mode, you can set Flex FX to standard timings ranging from 1/32 to 32 beats as well as dotted and triplet variants of each of these timings.
  - o In **Simple** Mode, which is the factory default, you can set Flex FX beats only to standard timings (no triplet or dotted timings).
  - o In **No Dotted** Mode, the Flex FX beats include standard timings and triplets but no dotted timings.
  - o In **No Triplet** Mode, the Flex FX beats include standard and dotted timings but no triplets.
- **Echo, Reverb, Brake, Flanger, Phaser,** and **Delay:** Select one of these pages to edit a Flex effect's parameters. When you save a change to an effect parameter here, it will be made the default setting for whenever you select the effect. To learn more about Flex FX parameters, see the *Effects* section.
- **Defaults:** Select this option to restore all of the **Flex FX** settings to their factory default values.

Software FX: Select this page to adjust how Serato DJ Pro's software effects function with the Seventy:
- **Multi FX:** Setting this to **On** will enable you to use stacked software effects (as described in the *Effects* section).
- **Mix Flex FX:** Setting this to **On** will enable you to combine software effects with a Flex effect (as described in the *Effects* section).
- **USB Insert:** When set to **Auto,** any software effect will be muted as soon as you deselect it with the **FX button**, thus decreasing overall latency (which is beneficial for scratching). When set to **On**, deselected software effects may have an audible "tail" as they gradually decay (depending on the effect).

Version: Select this page to check which firmware version is currently installed on your Seventy.

Factory Reset: Select this to reset all of Seventy's settings to their factory default values.

Control Panel

The Rane Control Panel allows you to adjust settings on your Seventy mixer and save and load these settings to a file (**.r72**) on your computer. Using settings files lets you maintain several different control configurations to use in different situations.

To manage settings files, navigate to the **Settings** section of the Rane Control Panel, under the **General** tab.

- **Load:** Select this to locate and load a Seventy settings file (**.r72**) on your computer to the Control Panel.

- **Save:** Select this to save the mixer's settings to your computer as a Seventy settings file (**.r72**).
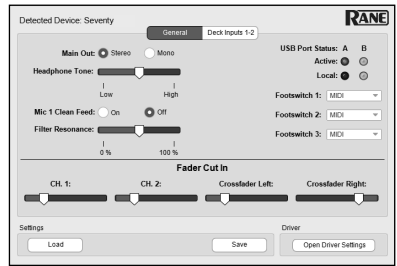
You can also use the Rane Control Panel to calibrate the faders on your Seventy:

1. Make sure your Seventy is powered on and connected to an available port on your computer using a USB cable.

2. Open the Rane Control Panel.

3. Go to **File** > **Fader Calibration**.

4. Follow the instructions on screen to select the desired fader and calibrate it. You will be prompted once the calibration is successful.