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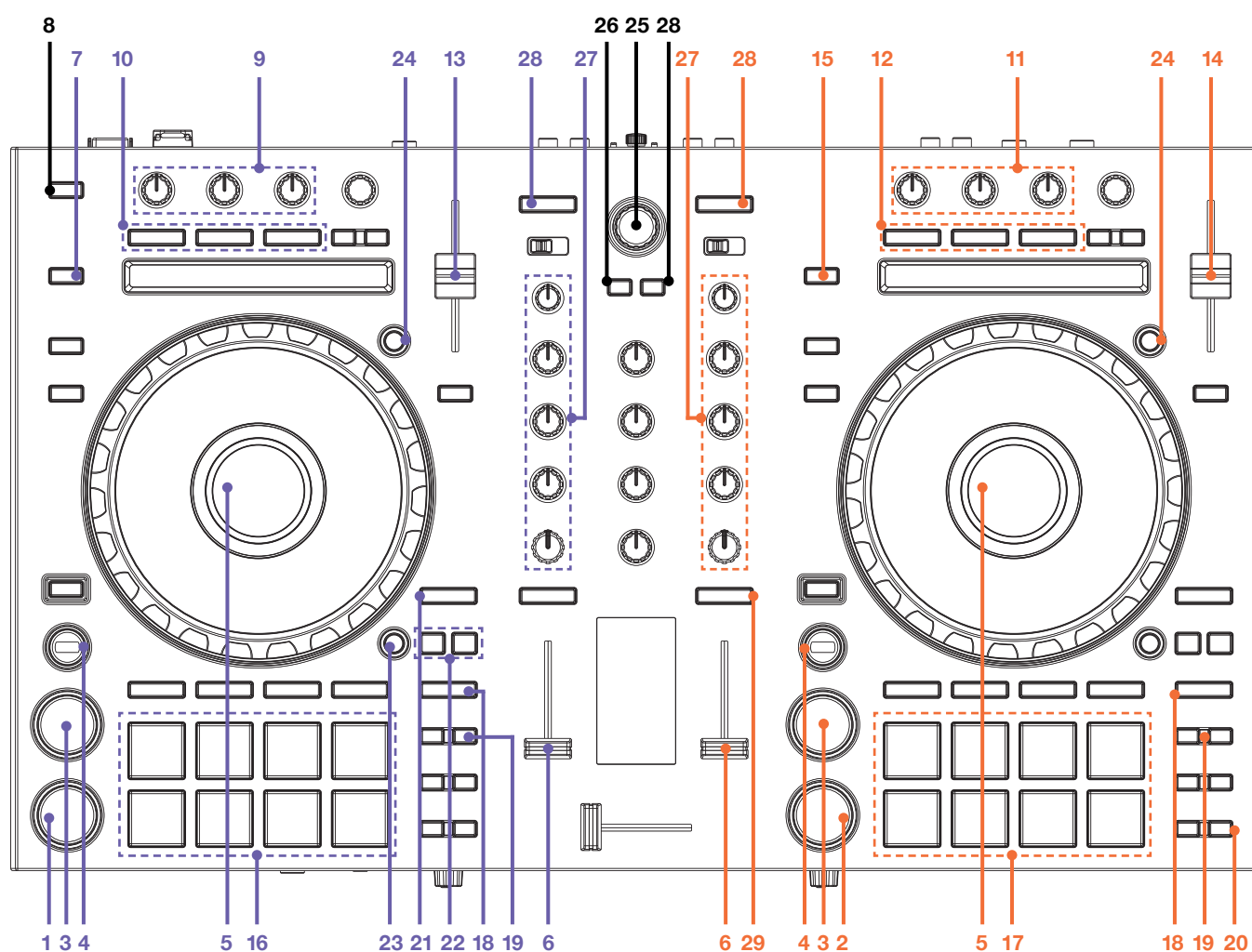# Hardware Guide
- Controllers

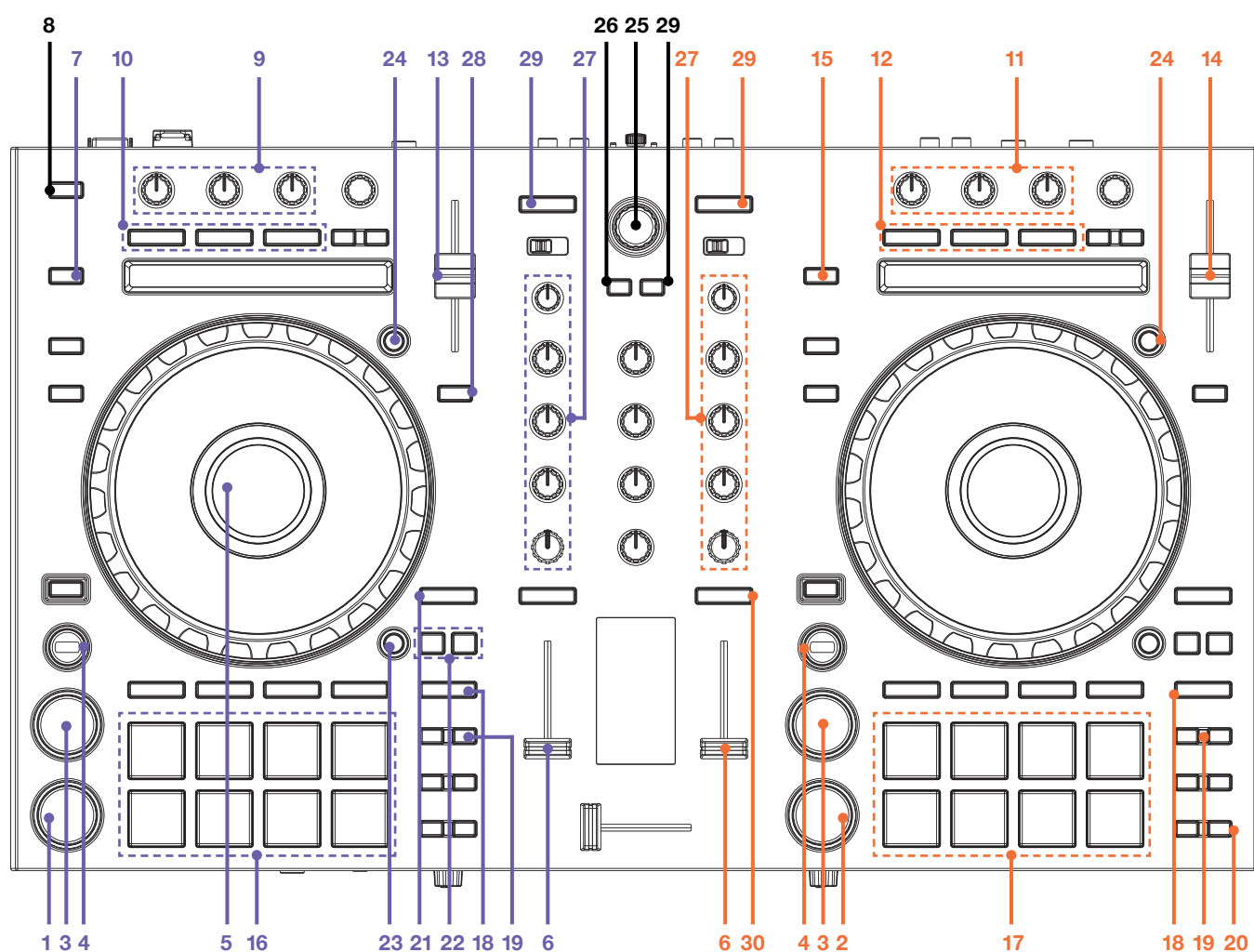# Serato Studio Drum deck mapping

#	Control	Drum Deck Primary function	Drum Deck Shift function
1	(left) Play Button	-	-
2	(right) Play button	Play currently active Scene from Scene player	-
3	(left)/(right) Cue	Scene record arm	Toggle between Overdub on / off
4	(left)/(right) Sync	Toggle quantize	Toggle quantize
5	(left)/(right) Platter / Jogwheel	-	-
6	Channel fader	(left fader) Adjust selected deck pad volume, (right fader) Adjust deck volume	(left fader) / (right fader) Toggle Scene play and record for fader volume automation for currently selected pad
7	(left) Censor	Toggle reverse for selected deck pad	-
8	Panel	Show/Hide FX panel	-
9	(left) FX1/2/3 knob	Adjust amount of FX applied per selected deck pad	Scroll FX effect per slot

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Serato Studio Drum deck mapping

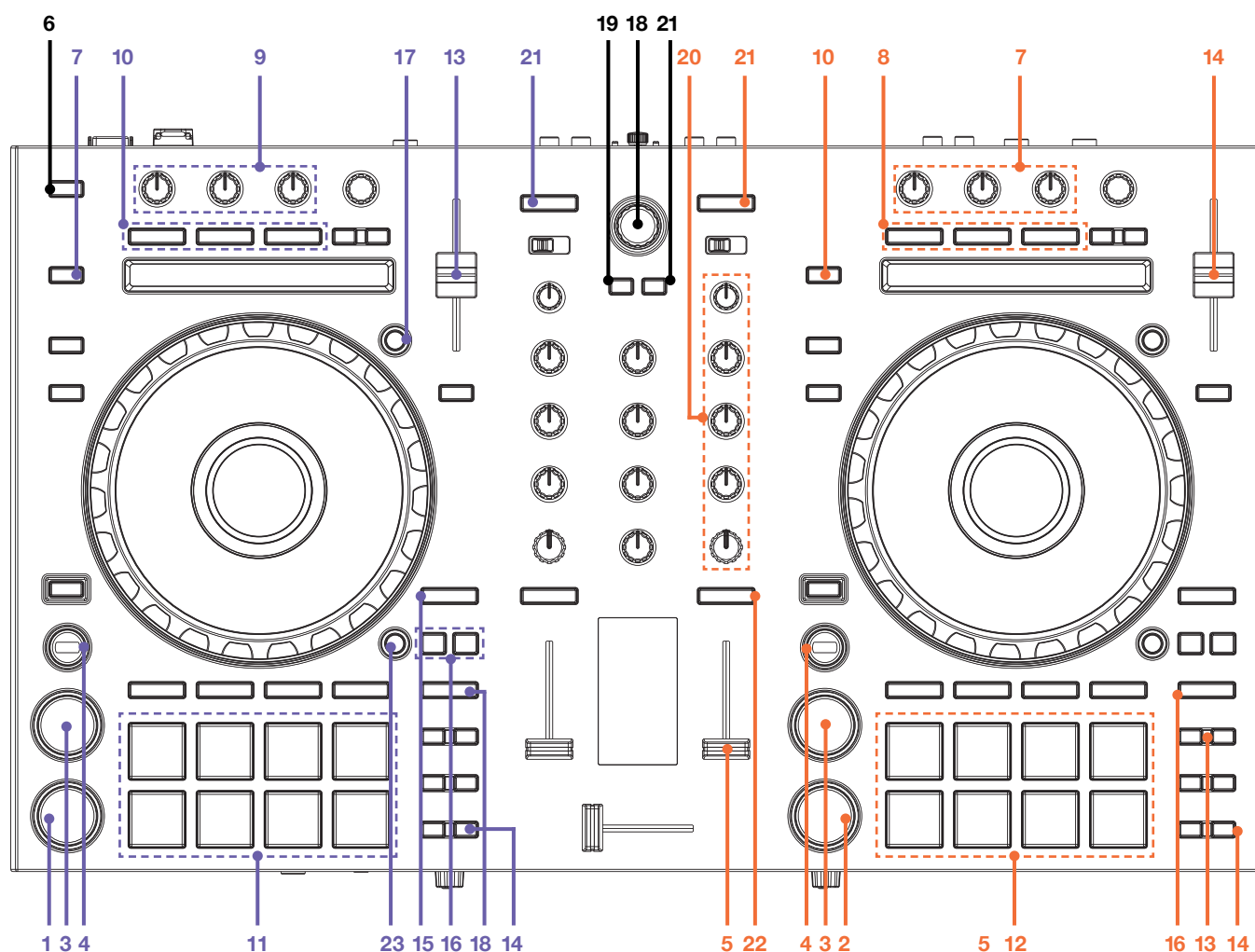| #	Control	Drum Deck Primary function	Drum Deck Shift function
10	(left) FX1/2/3 on	Turn FX unit on (per selected Deck pad)	Select next FX effect per slot
11	(right) FX1/2/3 knob	Adjustment of FX applied for selected deck	Scroll FX effect per slot
12	(right) FX1/2/3 on	Turn FX unit on (per selected Deck)	Select next FX effect per slot
13	(left) Tempo slider	Adjust deck pad bpm	Ignore tempo adjustment
14	(right) Tempo slider	Adjust project bpm	Ignore tempo adjustment
15	(right) Censor	Undo last action	Redo last action
16	(left) Performance Pads	Trigger deck pads 1-8	Delete Cue from deck pad
17	(right) Performance Pads	Trigger Scene or Add new Scene to slot if slot is empty	Delete existing Scene from slot
18	Autoloop	(left) Cycle drum patterns from currently selected genre for 'Make Beats' feature (right) Clear drum pattern	-
19	Beats 1/2x | Beats 2x	(left) Cycle 'Make Beats' genre options back | Cycle 'Make Beats' genre options forward (right) Decrease scene length | Increase scene length	(right) Expand / Collapse deck in Scene player
20	(right) Parameter left / right	Cycle through decks from Scene player	Cycle through Scene banks
21	(left) Key Sync	Toggle drum deck key sync with project key	-
22	(left) Key Shift	Adjust currently selected deck key (semi-tones = +/- 24 cents = +/- 50)	-
23	(left) Reset	Reset currently selected deck pad to it's original key	-
24	Slip	(right) Toggle metronome on/off	(left) Toggle Mono/Poly mode for selected deck pad
25	Library scroll knob	Turn to scroll through Deck types / Crates / Sounds & Files, press to cycle through panes	-
26	Back	Cycle in reverse through Deck Type / Crate / Sound & File panes	-
27	EQ / Filter	(left channel) adjust selected deck pad volume, low/mid/high frequency & filter (right channel) adjust deck volume, low/mid/high frequency & filter	-
28	Load Prepare | (left) Load | (right) Load	Load selected file to currently selected deck pad | Load selected file to currently selected deck pad | Load currently selected file to new Sample deck	-
29	(right) Channel Cue	Mute selected deck	Solo selected deck

Serato Studio Sample deck mapping

#	Control	Sample Deck Primary function	Sample Deck Shift function
1	(left) Play Button	Play / Pause currently loaded sample from deck	-
2	(right) Play button	Play currently active Scene from Scene player	-
3	(left)/(right) Cue	Scene record arm	Toggle between record and overdub record
4	(left)/(right) Sync	Toggle quantize	Toggle quantize
5	(left)/(right) Platter / Jogwheel	Scrub playhead for currently selected deck pad	Scrub playhead for currently selected deck pad
6	Channel fader	(left fader) Adjust selected deck pad volume, (right fader) Adjust deck volume	(left fader) / (right fader) Toggle Scene play and record for fader volume automation for currently selected pad
7	(left) Censor	Toggle reverse for selected deck pad	-
8	Panel	Show/Hide FX panel	Show/Hide FX panel
9	(left) FX1/2/3 knob	Adjust amount of FX applied per selected deck pad	Scroll FX effect per slot

Serato Studio Sample deck mapping

#	Control	Sample Deck Primary function	Sample Deck Shift function
10	(left) FX1/2/3 on	Turn FX unit on (per selected Deck pad)	Select next FX effect per slot
11	(right) FX1/2/3 knob	Adjustment of FX applied for selected deck	Scroll FX effect per slot
12	(right) FX1/2/3 on	Turn FX unit on (per selected Deck)	Select next FX effect per slot
13	(left) Tempo slider	Adjust sample deck bpm	Ignore tempo adjustment
14	(right) Tempo slider	Adjust project bpm	Ignore tempo adjustment
15	(right) Censor	Undo last action	Redo last action
16	(left) Performance Pads	Trigger / select deck pads 1-8	Delete Cue from deck pad
17	(right) Performance Pads	Trigger Scene or Add new Scene to slot if slot is empty	Delete existing Scene from slot
18	Autoloop	(left) Trigger Autoset to load Cue on deck pads	-
19	Beats 1/2x | Beats 2x	(left) Cycle 'Make Beats' genre options back | Cycle 'Make Beats' genre options forward (right) Decrease scene length | Increase scene length	-
20	(right) Parameter left / right	Cycle through decks from Scene player	Cycle through Scene banks
21	(left) Key Sync	Toggle sample deck key sync with project key	-
22	(left) Key Shift	Adjust currently selected deck key (semi-tones = +/- 24 cents = +/- 50)	-
23	(left) Reset	Reset currently sample deck to original key	-
24	Slip	(left) Toggle sample deck playback mode (hold / trigger) (right) Toggle metronome on/off	(left) Toggle sample deck between Mono/Poly mode
25	Library scroll knob	Turn to scroll through Deck types / Crates / Sounds & Files, press to cycle through panes	-
26	Back	Cycle in reverse through Deck Type / Crate / Sound & File panes	-
27	EQ / Filter	(left channel) adjust selected deck pad volume, low/mid/high frequency & filter (right channel) adjust deck volume, low/mid/high frequency & filter	-
28	Tempo Range	(left) Double BPM value for sample deck	(left) Halve BPM value for sample deck
29	Load Prepare | (left) Load | (right) Load	Load selected file to currently selected sample deck or re-trigger Autoset if already loaded | (left) Load selected file to currently selected sample deck or re-trigger Autoset if already loaded | (right) Load currently selected file to new Sample deck	-
30	(right) Channel Cue	Mute selected deck	Solo selected deck

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Serato Studio Instrument/Plugin deck mapping

#	Control	Instrument Deck Primary function	Instrument Deck Shift function
1	(left) Play Button	-	-
2	(right) Play button	Play currently active Scene from Scene player	-
3	(left)/(right) Cue	Scene record arm	Toggle between record and overdub record
4	(left)/(right) Sync	Toggle quantize	Toggle quantize
5	(right fader) Channel fader	Adjust deck volume	Toggle Scene play and record for fader volume automation for instrument deck
6	Panel	Show/Hide FX panel	-
7	(right) FX1/2/3 knob	Adjustment of FX applied for selected deck	Scroll FX effect per slot
8	(right) FX1/2/3 on	Turn FX unit on (per selected Deck)	Select next FX effect per slot
9	(right) Tempo slider	Adjust project bpm	Ignore tempo adjustment

Serato Studio Instrument/Plugin deck mapping

#	Control	Instrument Deck Primary function	Instrument Deck Shift function
10	(right) Censor	Undo last action	Redo last action
11	(left) Performance Pads	Trigger instrument deck note	-
12	(right) Performance Pads	Trigger Scene pad or Add new Scene to pad if pad slot is empty	Delete existing Scene from pad
13	(right) Beats 1/2x | Beats 2x	Halve scene length | Double scene length	Expand / Collapse deck in Scene player
14	Parameter left / right	(left) Move down and up octaves in instrument piano roll (right) Cycle through decks from Scene player	(right) Cycle through Scene pad banks
15	(left) Key Sync	Toggle 'Play in Key' feature for selected instrument deck	-
16	(left) Key Shift	Adjust currently selected deck key (if semi-tones are selected = +/- 24 if cents are selected = +/- 50)	-
17	Slip	-	(left) Toggle Mono/Poly mode
18	Library scroll knob	Turn to scroll through Deck types / Crates / Sounds & Files, press to cycle through panes	-
19	Back	Cycle in reverse through Deck Types / Crates / Sounds & Files	-
20	EQ / Filter	(right channel) adjust selected instrument deck volume, low/mid/high frequency & filter	-
21	Load Prepare | (left) Load | (right) Load	Load selected file or deck to currently selected deck | Load selected file or deck to currently selected deck | Load currently selected file to new deck	-
22	(right) Channel Cue	Mute selected deck	Solo selected deck

NOTE: Not all controls will apply to all hardware, and not all hardware contains all of the aforementioned controls. In addition, some controls may not be listed, or may function differently than described above.

If your compatible Serato Studio hardware has dual USB ports, ensure your USB input selector has the corresponding USB input selected for each channel, that your computer is connected to.

Some hardware may allow for audio from Serato Studio to be output via the Master output and/or Headphone output of the hardware. In either case you may control audio output volume on the hardware itself, via it's respective Master level or Headphone level controls.

You can change Serato Studio audio output via SETUP --> AUDIO --> AUDIO OUTPUT.