



# nativeKONTROL PXT-Live Plus

## Control Reference

### Version 1.0.8

This document serves as a quick reference to the functions available in PXT-Live Plus. For more info on PXT-Live Plus, please refer to the provided manual (*PXT-Live Plus.pdf*), which is accessible via the “?” button on MT Player.

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# 1 GLOBAL CONTROLS

MODIFIER(S)	CONTROL	FUNCTION
-	Tap Tempo	Triggers Tap Tempo and also functions as a visual metronome.
-	Metronome	Toggles the Metronome.
-	Tempo Encoder	Adjusts Tempo in 1-BPM increments.
<i>Shift</i>	Tempo Encoder	Adjusts Tempo in 0.1-BPM increments.
-	Undo	Triggers Undo.
<i>Shift</i>	Undo	Triggers Redo.
-	Double	Doubles the contents of the selected MIDI Clip.
-	Quantize	When held down, Encoders 1 – 3 are used for adjusting Quantization settings.
-	Fixed Length	Toggles Fixed Length recording.
-	Automation	Toggles Automation.
<i>Shift</i>	Automation	Re-enables automation that has been overridden.
<i>Delete</i>	Automation	Clears recorded automation from the current Clip.
-	Duplicate	Duplicates the selected Clip.
<i>Shift</i>	Duplicate	Duplicates the selected Scene.
-	New	Selects the next available Clip Slot on the selected Track for recording.
<i>Shift</i>	New	Creates a new MIDI Clip in the selected Clip Slot.
<i>Session</i>	New	Creates a new Track that is armed and is routed from the currently selected Track.
-	Record	In Session View, triggers Fixed Length recording (if Fixed Length is on) or toggles Session Record/Overdub.  In Arrangement View, toggles Arrangement Overdub.
<i>Shift</i>	Record	Toggles Arrangement Record.
-	Play	Toggles playback.
<i>Shift</i>	Play	Reverts to Arrangement position 1.1.1.
-	Swing Encoder	Adjusts Global Quantization.
<i>Shift</i>	Swing Encoder	Adjusts Recording Quantization.
<i>Fixed Length</i>	Swing Encoder	Adjusts Recording Length.
-	Touch Strip	Performs the selected function.
<i>Shift</i>	Touch Strip	When <i>SelectedParameter</i> is selected, resets or toggles the value of the parameter being controlled.
<i>Delete</i>	Touch Strip	When <i>SelectedParameter</i> is selected, clears automation recorded for the parameter being controlled.

<i>Shift + Delete</i>	Touch Strip	When <i>SelectedParameter</i> is selected, locks to/unlocks from the current parameter.
<i>Select</i>	Touch Strip	Selects the function the Touch Strip should perform.
-	Master Encoder	Adjusts Master Track Volume.
<i>Shift</i>	Master Encoder	Adjusts Cue Volume.
-	Master	Toggles between selecting the Master Track and the last selected Track.
-	Volume	Selects Encoder <a href="#">Global Mode</a> .
<i>Shift</i>	Volume	Triggers Back to Arrangement.
-	Pan & Send	Selects Encoder <a href="#">Drum Rack Mode</a> .
<i>Volume</i>	Pan & Send	Selects Encoder <a href="#">MIDI Mode</a> .
-	Track	Selects Encoder <a href="#">Track Mode</a> .
-	Clip	Selects Encoder <a href="#">Clip Mode</a> .
-	Device	Selects Encoder <a href="#">Device Mode</a> .
-	Browse	Selects Encoder <a href="#">Learn Mode</a> .
<i>Device</i>	Browse	Selects Encoder <a href="#">Rename Mode</a> .
-	User	When pressed quickly, switches back to Push's default functionality. When held down, selects the Matrix <a href="#">Accessory Mode</a> .
-	Note	Selects Matrix <a href="#">Note Mode</a> . If Note Mode is selected and the <b>NOTE</b> button is pressed again, it will toggle the Arm state of the selected Track. The <b>NOTE</b> button will blink if the selected Track is armed.
<i>Shift</i>	Note	Toggles between showing and hiding Detail View.
<i>Session</i>	Note	Selects the <a href="#">Plus Matrix Modes</a> .
-	Session	Selects Matrix <a href="#">Clip Play Mode</a> .
<i>Shift</i>	Session	Toggles between Session and Arrangement Views.
-	Arrows	Up/Down navigate Scenes in Session View and Tracks in Arrangement View. Left/Right navigate Tracks in Session View and the insert marker in Arrangement View.
<i>Shift</i>	Arrows	Moves the grid selector in Live to select the Tracks and Scenes to control.
-	Footswitch 1	Launches the selected Scene.
-	Footswitch 2	Launches the selected Clip Slot.

## 2 STANDARD MATRIX MODES

### 2.1 Note Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Add Effect	Selects the Poly Sequence Sub-Mode.
<i>Add Track</i>	Add Effect	Selects the Mono Sequence Sub-Mode.
-	Add Track	Selects the Capture Sub-Mode.

#### 2.1a Poly Sequence Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix w/Repeat Off	Adds/removes Notes.
<i>Shift</i>	Matrix w/Repeat Off	First column plays/auditions Notes.
<i>Mute</i>	Matrix w/Repeat Off	Mutes Notes.
<i>Select</i>	Matrix w/Repeat Off	Selects Notes or ranges.
<i>Select + Shift</i>	Matrix w/Repeat Off	Selects Notes individually.
-	Matrix w/Repeat On	Upper half selects Edit Position. Lower half selects Loop Position.
<i>Shift</i>	Matrix w/Repeat On	Upper half selects Edit Position and Loop Position.
<i>Delete</i>	Matrix w/Repeat On	Upper half deletes all of the Notes in the associated Edit Position or Edit Position Range.
-	Track Selection w/Scales and Accent Off	<i>Loop</i> toggles the Clip's Loop on/off. <i>Shift + Loop</i> will reset the Clip's Loop. <i>Automat</i> toggles Per-Step Automation of parameters. <i>Lock</i> will lock to/unlock from the Clip.
-	Track Selection w/Scales On	< <i>Root</i> and <i>Root</i> > adjusts the Scale's Root Note. < <i>Scale</i> and <i>Scale</i> > adjusts the Scale Type. <i>Capture</i> captures Notes from the Clip and converts them into a Scale.
-	Track Selection w/Accent On	Selects Velocity to use when adding Notes.
-	Track State	Displays the Clip's playhead.
-	Resolution	Selects the Resolution to use for sequencing.
<i>Delete</i>	Resolution	Deletes Note Lanes.
<i>Quantize</i>	Resolution	Quantizes Notes Lanes.
<i>Mute</i>	Resolution	Mutes Note Lanes.
<i>Solo</i>	Resolution	Solos Note Lanes.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Mute	Unmutes all Note Lanes.
-	Octave Down/Up	Scrolls the Scale down or up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the Scale down or up by 1 Semitone.

<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

## 2.1b Mono Sequence Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix w/Repeat Off	Upper half adds/removes Notes. Lower half plays assigned Notes.
<i>Delete</i>	Matrix w/Repeat Off	Lower half deletes Note Lanes (if the Clip is not playing) or erases the portion of the Note Lane that the playhead is currently passing over (if the Clip is playing).
<i>Quantize</i>	Matrix w/Repeat Off	Lower half quantizes Note Lanes.
<i>Mute</i>	Matrix w/Repeat Off	Upper half mutes individual Notes. Lower half mutes Note Lanes.
<i>Solo</i>	Matrix w/Repeat Off	Lower half solos Note Lanes.
<i>Select</i>	Matrix w/Repeat Off	Upper half selects Notes or ranges. Lower half selects the Note Lane for the upper half to edit.
<i>Select + Shift</i>	Matrix w/Repeat Off	Upper half selects Notes individually.
-	Matrix w/Repeat On	Upper half selects Edit Position. Lower half selects Loop Position.
<i>Shift</i>	Matrix w/Repeat On	Upper half selects Edit Position and Loop Position.
<i>Delete</i>	Matrix w/Repeat On	Upper half deletes all of the Notes in the associated Edit Position or Edit Position Range.
-	Track Selection w/Scales and Accent Off	<i>Loop</i> toggles the Clip's Loop on/off. <i>Shift + Loop</i> will reset the Clip's Loop. <i>Automat</i> toggles Per-Step Automation of parameters. <i>Lock</i> will lock to/unlock from the Clip.
-	Track Selection w/Scales On	< <i>Root</i> and <i>Root</i> > adjusts the Scale's Root Note. < <i>Scale</i> and <i>Scale</i> > adjusts the Scale Type.
-	Track Selection w/Accent On	Selects Velocity to use when adding Notes and toggles Full Velocity for the lower half of the <b>Matrix</b> .
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Resolution to use for sequencing.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Mute	Unmutes all Note Lanes.
-	Octave Down/Up	Scrolls the Scale down or up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the Scale down or up by 1 Semitone.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

## 2.1c Capture Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	Plays assigned Notes.
<i>Delete</i>	Matrix	Deletes entire Note Lanes (if the Clip is not playing) or erases the portion of the Note Lane that the playhead is currently passing over (if the Clip is playing).
<i>Quantize</i>	Matrix	Quantizes entire Note Lanes.
<i>Mute</i>	Matrix	Mutes entire Note Lanes.
<i>Solo</i>	Matrix	Solos entire Note Lanes.
-	Track Selection	<i>Capture</i> will capture Notes from a Clip and assign them to the <b>Matrix</b> . <i>DrumRack</i> will assign the <b>Matrix</b> to Notes suitable for playing Drum Racks.
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when <b>Repeat</b> is on.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Mute	Unmutes all Note Lanes.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the <b>Matrix</b> .
-	Octave Down/Up	Scrolls the assigned Notes down or up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the assigned Notes down or up by 1 Semitone.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

## 2.2 Clip Play Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Add Effect	Selects the Poly Sub-Mode.
-	Add Track	Selects the Mono Sub-Mode.

### 2.2a Poly Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	By default, each column will be assigned to Clip Chopping. Press <b>Add Effect</b> to switch between Clip Chopping and Clip Loop Control.
<i>Shift</i>	Matrix	Launches Clips in Live outlined by the grid selector.
<i>Shift + Select</i>	Matrix	Selects Clips in Live outlined by the grid selector.
<i>Shift + Delete</i>	Matrix	Deletes Clips in Live outlined by the grid selector.
-	Track selection w/Select Off	Toggles the corresponding Clip's Loop on/off.
<i>Shift</i>	Track selection w/Select Off	Resets the corresponding Clip's Loop.
-	Track selection w/Select On	When pressed quickly, selects the corresponding Track or toggles the Arm state of the Track if the Track is selected. When held down, folds or unfolds the corresponding Track (if it is a group Track).
<i>Shift</i>	Track selection w/Select On	Selects the corresponding Track as well as the Clip playing on the Track.
<i>Delete</i>	Track Selection	Deletes the corresponding Clip
<i>Quantize</i>	Track Selection	Quantizes the corresponding Clip.
-	Track State w/Stop, Mute and Solo off	Displays a visual metronome.
-	Track State w/Stop On	Stops the corresponding Clip if it's playing or launches it otherwise.
<i>Shift</i>	Track State w/Stop On	Stops the corresponding Clip immediately if it's playing or launches it immediately with legato otherwise.
-	Track State w/Mute On	When pressed quickly, toggles the Mute state of the corresponding Track. When held down, momentarily toggles the Mute state of the corresponding Track.
-	Track State w/Solo On	When pressed quickly, toggles the Solo state of the corresponding Track. When held down, momentarily toggles the Solo state of the corresponding Track. This will obey your settings in Preferences for exclusive Solo.
<i>Shift</i>	Track State w/Solo On	Same as above, but will do the opposite of your settings in Preferences for exclusive Solo.
-	Resolution	Selects the Quantization to use for launching/re-launching Clips.

<i>Shift</i>	Resolution	Launches Scenes in Live outlined by the grid selector.
<i>Shift + Select</i>	Resolution	Selects Scenes in Live outlined by the grid selector.
<i>Shift + Delete</i>	Resolution	Deletes Scenes in Live outlined by the grid selector.
<i>Shift</i>	Stop	Stops all Clips.

## 2.2b Mono Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	By default, the upper half will be assigned to Clip Chopping while the lower half will be assigned to Clip Loop Control. The <b>Matrix</b> can also be assigned to Chromatic Clip Play, which allows you to play the Clip chromatically, via one of the <b>Track Selection</b> buttons.
<i>Select</i>	Matrix w/Chop/Loop Selected	Upper half selects Steps for automation.
<i>Select</i>	Matrix w/Chromatic selected	Sets the Clip's Transposition without launching it.
-	Track Selection	<i>Loop</i> toggles the Clip's Loop on/off. <i>Shift + Loop</i> will reset the Clip's Loop. <i>Automat</i> toggles Per-Step Automation of parameters. <i>Lock</i> will lock to/unlock from the Clip. <i>Chromatic</i> will assign the <b>Matrix</b> to Chromatic Clip Play. <i>Chop/Loop</i> will assign the <b>Matrix</b> back to its default functionality. <i>Legato</i> enables/disables Legato Clip launching.
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Quantization to use for launching/re-launching Clips.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
-	Mute	When pressed quickly, toggles the Mute state of the Track. When held down, momentarily toggles the Mute state of the Track.
-	Solo	When pressed quickly, toggles the Solo state of the Track. When held down, momentarily toggles the Solo state of the Track. This will obey your settings in Preferences for exclusive Solo.
<i>Shift</i>	Solo	Same as above, but will do the opposite of your settings in Preferences for exclusive Solo.
-	Select	When pressed quickly, selects the Track or toggles the Arm state of the Track if the Track is selected. When held down, folds or unfolds the Track (if it is a group Track).
<i>Shift</i>	Select	Selects the Track and the Clip playing on the Track.
<i>Delete</i>	select	Deletes the Clip.
<i>Quantize</i>	select	Quantizes the Clip.



## 2.3 Accessory Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	Launches Clips in Live outlined by the grid selector.
<i>Select</i>	Matrix	Selects Clips in Live outlined by the grid selector.
<i>Delete</i>	Matrix	Deletes Clips in Live outlined by the grid selector.
-	Track Selection	Triggers ClyphX Action Lists.
<i>Shift</i>	Track Selection	Sends keystrokes,
<i>Select</i>	Track Selection	Selects pages of colors to use for assigning colors to Clips.
-	Track State	Triggers ClyphX Action Lists.
<i>Shift</i>	Track State	Sends keystrokes.
<i>Select</i>	Track State	Assigns the associated color to the selected Clip.
-	Resolution	Launches Scenes in Live outlined by the grid selector.
<i>Select</i>	Resolution	Selects Scenes in Live outlined by the grid selector.
<i>Delete</i>	Resolution	Deletes Scenes in Live outlined by the grid selector.

## 3 PLUS MATRIX MODES

MODIFIER(S)	CONTROL	FUNCTION
-	Add Effect	-
-	Add Track	-
<i>select</i>	Track Selection	Selects the Plus Matrix Mode to use.

### 3.1 Drum Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Drum Pads	Play the visible pads in the Drum Rack or the pads in Impulse.
<i>select</i>	Drum Pads	<i>(Drum Racks only)</i> Selects the associated Drum Rack pad.
<i>Delete</i>	Drum Pads	Deletes the Notes associated with the Pad (if the Clip is not playing) or erases the portion of Notes that the playhead is currently passing over (if the Clip is playing).
<i>Quantize</i>	Drum Pads	Quantizes the Notes associated with the Pad.
<i>Mute</i>	Drum Pads	<i>(Drum Racks only)</i> Toggles the Mute state of the associated Drum Rack pad.
<i>Solo</i>	Drum Pads	<i>(Drum Racks only)</i> Toggles the Solo state of the associated Drum Rack pad.
-	Last Pads	Play the pad that was triggered last.
<i>Shift</i>	Last Pads	Locks a <b>Last Pad</b> to the current pad.
-	16 Levels Pads	Play the pad that was triggered last with ascending velocities.
-	Cycle Pads	Manually play back sequences of up to 8 notes.
<i>Shift</i>	Cycle Pads	Enables recording for a <b>Cycle Pad</b> .
-	Track Selection	<p><i>LvlVelo</i> toggles velocity on/off for the <b>16 Levels Pads</b>. <i>LvlPitch</i> <i>(Drum Racks only)</i> toggles Pitch Bend on/off for the <b>16 Levels Pads</b>. <i>RptVelo</i> toggles Note Repeat velocity control on/off.</p> <p>&lt;<i>Rpt2</i>&gt;, &lt;<i>Rpt2</i> and <i>Rpt2</i>&gt; cause Note Repeat Pad pressure to control the selected parameter with either the full range of the parameter, a range from the minimum value to the current value or a range from the current value to the maximum value respectively. The <b>7<sup>th</sup> Track Selection</b> button selects the parameter for Note Repeat pressure to control.</p> <p><i>Arm</i> toggles the Arm state of the Track.</p>
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when <b>Repeat</b> is on.

-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Mute	(Drum Racks only) Unmutes all Drum Rack pads.
<i>Shift</i>	Solo	(Drum Racks only) Unsolos all Drum Rack pads.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the Drum Pads, Last Pads and Cycle Pads.
-	Octave Down/Up	(Drum Racks only) Scrolls the Drum Rack's selector down/up by 4.
<i>Shift</i>	Octave Down/Up	(Drum Racks only) Scrolls the Drum Rack's selector down/up by 1.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

### 3.2 Capture Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Capture Pads	Play the Captured Notes and Chords.
-	Page Pads	Switch between Pages of captured Notes/Chords.
-	Upper Pads	Display the Note(s) played from the Capture Pads.
-	Track selection	<i>Capture</i> will capture Notes/Chords from the Clip. The 2 <sup>nd</sup> <b>Track Selection</b> button selects the type of sorting that the Capture function will use. <i>RptVelo</i> toggles Note Repeat velocity control on/off. <i>Sustain</i> toggles Sustain mode for the <b>Capture Pads</b> . <i>Arm</i> toggles the Arm state of the Track.
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when <b>Repeat</b> is on.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the <b>Capture Pads</b> .

-	Octave Down/Up	Scrolls the captured Notes/Chords down/up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the captured Notes/Chords down/up by 1 Semitone.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

### 3.3 Chord Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Chord Pads	Play Chords.
-	Inversion Pads	Switch between Chord Inversions.
-	Upper Pads	Display the Notes played from the Chord Pads when Split Mode is off. When Split Mode is on, these function as a playable two octave keyboard.
-	Track Selection	Select the Chord Type that the Chord Pads will play.
<i>Scales</i>	Track Selection	The 1 <sup>st</sup> Track Selection button selects whether the Chord Type buttons will affect all Chord Pads or just the current Chord Pad. The 2 <sup>nd</sup> Track Selection button selects whether the Inversion Pads will affect all Chord Pads or just the current Chord Pad.  <i>RptVelo</i> toggles Note Repeat velocity control on/off. <i>Sustain</i> toggles Sustain mode for the Chord Pads. <i>Arm</i> toggles the Arm state of the Track.
-	Track State	Select the Chord Type the Chord Pads will play.
<i>Scales</i>	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when Repeat is on.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Scales	Toggles Split Mode on/off.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the Matrix.
-	Octave Down/Up	Scrolls the Chord Pads down/up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the upper Pads down/up by 1 Octave when Split Mode is on.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

### 3.4 STC Mode

MODIFIER(S)	CONTROL	FUNCTION
-	STC Pads	Play Scale Tone Chords.
-	Inversion Pads	Switch between Chord Inversions.
-	Upper Pads	Display the Notes played from the <b>STC Pads</b> when Split Mode is off. When Split Mode is on, these will be assigned to play 4 octaves of the current Scale.
-	Track Selection	The 1 <sup>st</sup> <b>Track Selection</b> button selects the Scale Type. The 2 <sup>nd</sup> – 7 <sup>th</sup> <b>Track Selection</b> buttons select the Root Note of the Scale. <i>Arm</i> toggles the Arm state of the Track.
<i>Scales</i>	Track Selection	The 1 <sup>st</sup> <b>Track Selection</b> button selects whether the 7 <sup>th</sup> option will affect all <b>STC Pads</b> or just the current <b>STC Pad</b> . The 2 <sup>nd</sup> <b>Track Selection</b> button selects whether the <b>Inversion Pads</b> will affect all <b>STC Pads</b> or just the current <b>STC Pad</b> . The 7 <sup>th</sup> <b>Track Selection</b> button selects whether the Power option will affect all <b>STC Pads</b> or just the current <b>STC Pad</b> .  <i>RptVelo</i> toggles Note Repeat velocity control on/off. <i>Sustain</i> toggles Sustain mode for the <b>STC Pads</b> . <i>Arm</i> toggles the Arm state of the Track.
-	Track State	The 1 <sup>st</sup> <b>Track State</b> button selects whether the <b>STC Pads</b> will play triads or 7ths. The 2 <sup>nd</sup> – 7 <sup>th</sup> <b>Track State</b> buttons select the Root Note of the Scale. The 8 <sup>th</sup> <b>Track State</b> button selects whether a Power Chord will be added to the Chords.
<i>Scales</i>	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when <b>Repeat</b> is on.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
<i>Shift</i>	Scales	Toggles Split Mode on/off.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the <b>Matrix</b> .
-	Octave Down/Up	Scrolls the <b>STC Pads</b> down/up by 1 Octave.
<i>Shift</i>	Octave Down/Up	Scrolls the upper Pads down/up by 1 Octave when Split Mode is on.
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

### 3.5 User Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	Sends out the Notes specified in <i>UserModeMap.py</i> .
-	Track Selection	<i>Arm</i> toggles the Arm state of the Track.
-	Track State	Displays a visual metronome.
-	Resolution	Selects the Note Repeat Rate when <b>Repeat</b> is on.
-	Stop	Stops the Clip if it's playing or launches it otherwise.
<i>Shift</i>	Stop	Stops the Clip immediately if it's playing or launches it immediately with legato otherwise.
-	Repeat	Toggles Note Repeat.
-	Accent	Toggles Full Velocity for the <b>Matrix</b> .
<i>Delete</i>	Select	Deletes the Clip.
<i>Quantize</i>	Select	Quantizes the Clip.

### 3.6 Meters Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Matrix	Each columns of Pads in the <b>Matrix</b> displays an Output Meter for the associated outlined Track.
<i>Shift</i>	Matrix	Each columns of Pads in the <b>Matrix</b> functions as a Volume control for the associated outlined Track.
-	Track Selection	When pressed quickly, selects the corresponding Track or toggles the Arm state of the Track if the Track is selected. When held down, folds or unfolds the corresponding Track (if it is a group Track).
<i>Shift</i>	Track Selection	Selects the corresponding Track as well as the Clip playing on the Track.
-	Track State w/Mute and Solo Off	Displays an Output Meter for the Master Track.
<i>Shift</i>	Track State w/Mute and Solo Off	Functions as a Volume control for the Master Track.
-	Track State w/Mute On	When pressed quickly, toggles the Mute state of the corresponding Track. When held down, momentarily toggles the Mute state of the corresponding Track.
-	Track State w/Solo On	When pressed quickly, toggles the Solo state of the corresponding Track. When held down, momentarily toggles the Solo state of the corresponding Track. This will obey your settings in Preferences for exclusive Solo.
<i>Shift</i>	Track State w/Solo On	Same as above, but will do the opposite of your settings in Preferences for exclusive Solo.
<i>Shift</i>	Mute	Toggles between dimming and undimming the Master Track.

# 4 ENCODER MODES

## 4.1 Global Mode

MODIFIER(S)	CONTROL	FUNCTION
-	In	Toggles Punch In.
-	Out	Toggles Punch Out.

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Rewinds/fastforwards by 1 Bar.
<i>Shift</i>	Encoder 1	Rewinds/fastforwards by 1 Beat.
-	Encoder 2	Navigates between Arrangement Locators.
<i>Shift</i>	Encoder 2	Adds a Locator at the current position or deletes the Locator at the current position if one exists.
-	Encoder 3	Adjusts Arrangement Loop Start by 1 Bar.
<i>Shift</i>	Encoder 3	Adjusts Arrangement Loop Start by 1 Beat.
-	Encoder 4	Adjusts Arrangement Loop Length by 1 Bar.
<i>Shift</i>	Encoder 4	Adjusts Arrangement Loop Length by 1 Beat.
-	Encoder 5	Turns Arrangement Loop on/off.
-	Encoder 6	Zooms horizontally in Arrangement View or navigates Tracks in Session View.
-	Encoder 7	Zooms the selected Track vertically in Arrangement View or navigates Scenes in Session View.
<i>Shift</i>	Encoder 7	Zooms all Tracks vertically in Arrangement View.
-	Encoder 8	Adjusts Global Groove Amount.

## 4.2 Drum Rack Mode

MODIFIER(S)	CONTROL	FUNCTION
<i>Shift</i>	Pan & Send	Locks to/unlocks from the currently selected Track.
<i>Delete</i>	Pan & Send	Deletes the Drum Rack.
-	In	Toggles the selected Drum Rack Pad's Mute switch if pressed quickly or momentarily toggles the Mute switch if held down.
<i>Shift</i>	In	Unmutes all Drum Rack Pads.
-	Out	Toggles the selected Drum Rack Pad's Solo switch if pressed quickly or momentarily toggles the Solo switch if held down.
<i>Shift</i>	Out	Unsolos all Drum Rack Pads.

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Adjusts selected Drum Rack Pad Volume.
-	Encoder 2	Adjusts selected Drum Rack Pad Panning.
-	Encoders 3 - 7	Adjusts selected Drum Rack Sends A - E respectively.
<i>Shift</i>	Encoders 1 - 7	Resets the value of the parameter being controlled.
<i>Delete</i>	Encoders 1 - 7	Clears automation recorded for the parameter being controlled.
-	Encoder 8	Scrolls between Drum Rack Pads by 1.
<i>Shift</i>	Encoder 8	Scrolls between Drum Rack Pads by 16.



## 4.3 Track Mode

MODIFIER(S)	CONTROL	FUNCTION
<i>Shift</i>	Track	Locks to/unlocks from the currently selected Track.
<i>Delete</i>	Track	Deletes the Track.
-	In	Selects the Default Sub-Mode.
-	Out	Selects the I/O Sub-Mode.

### 4.3a Default Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Adjusts Track Volume.
-	Encoder 2	Adjusts Track Panning.
-	Encoders 3 – 7	Adjusts Track Sends A – E respectively.
<i>Shift</i>	Encoders 1 – 7	Resets the value of the parameter being controlled.
<i>Delete</i>	Encoders 1 – 7	Clears automation recorded for the parameter being controlled.
-	Encoder 8	-

### 4.3b I/O Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Adjusts Track Input Routing.
-	Encoder 2	Adjusts Track Input Sub-Routing.
-	Encoder 3	Adjusts Track Output Routing.
-	Encoder 4	Adjusts Track Output Sub-Routing.
-	Encoder 5	Adjusts Track Monitoring State.
-	Encoder 6	Adjusts Track Crossfade Assignment.
-	Encoders 7 – 8	-

## 4.4 Clip Mode

MODIFIER(S)	CONTROL	FUNCTION
<i>Shift</i>	Clip	Locks to/unlocks from the currently selected Clip.
<i>Delete</i>	Clip	Deletes the Clip.
-	In	Selects the Default Sub-Mode.
-	Out	Selects the Note Edit Sub-Mode.

### 4.4a Default Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Adjusts Clip Start Marker.
-	Encoder 2	Adjusts Clip End Marker.
-	Encoder 3	Adjusts Clip Loop Start.
-	Encoder 4	Adjusts Clip Loop End.
-	Encoder 5	Adjusts Clip Detune.
-	Encoder 6	Adjusts Clip Transpose.
-	Encoder 7	Adjusts Clip Gain.
-	Encoder 8	Selects Quantization to use when adjusting Start/End Markers and Loop Start/End.
<i>Shift</i>	Encoders 1 – 8	Offers coarser adjustment.

### 4.4b Note Edit Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Out	Toggles between Event and Range Edit Sub-Modes.
<i>Shift</i>	Out	Adds a new Note Event (in Event Edit) or selects all Note Events (in Range Edit).
<i>Delete</i>	Out	Deletes the selected Note Event(s).

### 4.4b1 Event Edit Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Selects the Note Event to edit.
-	Encoder 2	Adjusts Note Event Pitch.
-	Encoder 3	Adjusts Note Event Position.
-	Encoder 4	Adjusts Note Event Duration.
-	Encoder 5	Adjusts Note Event Velocity.
-	Encoder 6	Adjusts Note Event Mute State.
-	Encoder 7	Selects the way in which Note Events will be sorted.
-	Encoder 8	Selects Quantization to use when adjusting Position and Duration.
<i>Shift</i>	Encoders 1 – 8	Offers coarser adjustment.

#### 4.4b2 Range Edit Sub-Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Selects the starting Pitch.
-	Encoder 2	Selects the ending Pitch.
-	Encoder 3	Selects the starting Position.
-	Encoder 4	Selects the ending Position.
-	Encoder 5	-
-	Encoder 6	Selects the Note Event setting that Encoder 7 will adjust.
-	Encoder 7	Adjusts the selected Note Event setting.
-	Encoder 8	Selects Quantization to use when adjusting Position and Duration.
<i>shift</i>	Encoders 1 – 8	Offers coarser adjustment.

### 4.5 Device Mode

MODIFIER(S)	CONTROL	FUNCTION
-	Device	Turns the Device on/off.
<i>shift</i>	Device	Locks to/unlocks from the currently selected Device.
<i>delete</i>	Device	Deletes the Device.
-	In/Out	If the Device has more than 8 parameters, moves between banks of 8 parameters. If the Device is a rack with chains, moves between the Device's chains.
<i>shift</i>	In/Out	Navigates between Devices.

MODIFIER(S)	CONTROL	FUNCTION
-	Encoders 1 – 8	Adjusts Device parameter values.
<i>shift</i>	Encoders 1 – 8	Resets or toggles the value of the parameter being controlled.
<i>delete</i>	Encoders 1 – 8	Clears automation recorded for the parameter being controlled.

## 4.6 Learn Mode

MODIFIER(S)	CONTROL	FUNCTION
-	In	Selects Learn A. If already in Learn A, toggles learning for Learn A.
<i>Shift</i>	In	Locks to/unlocks from the currently selected Track.
<i>Delete</i>	In	Deletes the assignments of Learn A.
-	Out	Selects Learn B. If already in Learn B, toggles learning for Learn B.
<i>Shift</i>	Out	Locks to/unlocks from the currently selected Track.
<i>Delete</i>	Out	Deletes the assignments of Learn B.

MODIFIER(S)	CONTROL	FUNCTION
-	Encoders 1 – 8	Adjusts assigned parameter values.
<i>Shift</i>	Encoders 1 – 8	Resets or toggles the value of the parameter being controlled.
<i>Delete</i>	Encoders 1 – 8	Clears automation recorded for the parameter being controlled.

## 4.7 Rename Mode

MODIFIER(S)	CONTROL	FUNCTION
-	In	Backspaces.
<i>Delete</i>	In	Deletes entire name.
-	Out	Inserts character or suggestion.

MODIFIER(S)	CONTROL	FUNCTION
-	Encoders 1 – 2	Navigates between items to rename.
<i>Shift</i>	Encoders 1 – 2	Toggles between types of item to rename.
-	Encoders 3 – 4	Controls the Cursor position.
<i>Shift</i>	Encoders 3 – 4	Resets the Cursor position back to the beginning of the name.
-	Encoders 5 – 6	Navigates between suggestions.
<i>Shift</i>	Encoders 5 – 6	Toggles between the suggestion cases.
-	Encoders 7 – 8	Navigates between characters.
<i>Shift</i>	Encoders 7 – 8	Toggles between character types.

## 4.8 MIDI Mode

MODIFIER(S)	CONTROL	FUNCTION
-	In/Out	Send out Program Change messages incrementally.
<i>shift</i>	In/Out	Navigate between pages of Encoder assignments (if any exist).

MODIFIER(S)	CONTROL	FUNCTION
-	Encoder 1	Sends out Volume (CC#7).
-	Encoder 2	Sends out Pan (CC#10).
-	Encoder 3	Sends out Filter Cutoff (CC#74).
-	Encoder 4	Sends out Filter Resonance (CC#71).
-	Encoder 5	Sends out Amp Envelope Attack (CC#73).
-	Encoder 6	Sends out Bank Select MSB (CC#0).
-	Encoder 7	Sends out Bank Select LSB (CC#32).
-	Encoder 8	Sends out Program Change messages.
<i>shift</i>	Encoders 1 - 8	Offers coarser adjustment.