



# **nativeKONTROL PXT-Live Plus User Manual**

## **Version 1.0.6**

### **1 CHANGES IN THIS VERSION**

### **2 GENERAL OVERVIEW**

### **3 SETUP**

- 3.1 Live Settings
- 3.2 UserPlusPreferences

### **4 GLOBAL CONTROLS**

- 4.1 Touch Strip

### **5 PLUS MATRIX MODES**

- 5.1 Functionality Common to Plus Matrix Modes
- 5.2 Drum Mode
- 5.3 Capture Mode
- 5.4 Chord Mode
- 5.5 STC Mode
- 5.6 User Mode
- 5.7 Meters Mode

### **6 ACCESSORY MODE MODIFICATION**

### **7 ENCODER MODES**

- 7.1 MIDI Mode (Volume and Pan & Send Buttons)

### **8 TROUBLESHOOTING**

- 8.1 General Troubleshooting
- 8.2 Windows Troubleshooting
- 8.3 OS X Troubleshooting

### **9 SUPPORT**

# 1 CHANGES IN THIS VERSION

- Updated for Live 9.5 compatibility.
- Added Live 9.5.1-compatible installers.
- Other minor fixes/improvements.

**NOTES:** If you've modified your [UserPlusPreferences.txt](#), [UserModeMap.py](#), [UserMidiModeMap.py](#) and/or [ChordTypes.py](#) files and don't want to lose your changes, back up the file(s) **BEFORE** installing the new version of PXT-Live Plus.

*In the case of your UserPlusPreferences.txt file, after installing, copy the text you don't want to lose from the UserPlusPreferences.txt file you backed up into the allotted space in the new UserPlusPreferences.txt file that the installer will install.*

*In the case of your UserModeMap.py, UserMidiModeMap.py and/or ChordTypes.py file(s), after installing, just replace the UserModeMap.py, UserMidiModeMap.py and/or ChordTypes.py file(s) that the installer will install with the UserModeMap.py, UserMidiModeMap.py and/or ChordTypes.py file(s) you backed up.*

## 2 GENERAL OVERVIEW

PXT-Live Plus is an extended version of PXT-Live that utilizes a MIDI Remote Script as well as an MT Player preset, which covers bases that a MIDI Remote Script alone would not allow. As with PXT-Live, PXT-Live Plus does not affect the functionality of Push's Live (default) Mode and it also maintains all of the functionality of PXT-Live.

Note that the functionality of PXT-Live is covered in the documentation provided with PXT-Live. All of the information in this documentation applies when using PXT-Live Plus **except** for the Live Settings listed for PXT-Live. When using PXT-Live Plus, you should use the Live Settings described below.

In addition to this manual, a control reference (*PXT-Live Plus Control Reference.pdf*) and Live Lesson are also provided. After installing PXT-Live Plus, you can access the Live Lesson by using the following steps:

1. Show Help View by selecting *Help View* from Live's Help menu.
2. Click the home button (rightmost button at the top of Help View) to return to the front page of Help View.
3. Scroll down to the bottom of Help View and click the *Show all built-in lessons* link to show the Table of Contents.
4. Scroll down to the bottom of the Table of Contents where you'll find the PXT-Live Plus Lesson section.

## 3 SETUP

The initial installation and setup for PXT-Live Plus is covered in the provided *PXT-Live Plus Install Info* documents. Please refer to these documents for information on initial installation and setup. This section covers the settings you will need to make in Live in order to use PXT-Live Plus and also provides information on optional settings. Please **take your time** when completing these steps. If you should run into trouble when performing any of these steps, please refer to the [Troubleshooting](#) section.

**NOTE:** In order to use PXT-Live Plus, you need to have MT Player running and the PXT-Live Plus preset selected.

### 3.1 Live Settings

The following settings will be found in Live's Preferences on the *MIDI/Sync* tab. All of the settings listed here are required for proper functionality of PXT-Live Plus.

1. Under **MIDI Ports**, turn off all of the Track/Sync/Remote switches related to *Ableton Push (Port 2)* or *Ableton Push (User Port)*. Also, turn off all of the Track/Sync/Remote switches related to MT Player ports.
2. Select *PXT\_Live\_Plus* as a **Control Surface**. *PXT\_Live* should **not** be selected as a Control Surface.
3. For the **Input** and **Output** of *PXT\_Live\_Plus*, select *From MT Player 1* and *To MT Player 1* respectively. On **Windows**, these ports may be listed with numbers preceding them such as 2-*From MT Player 1*.
4. Under **MIDI Ports**, turn on the Track switches for *PXT\_Live\_Plus Input* and *PXT\_Live\_Plus Output* and turn on the Sync switch for *PXT\_Live\_Plus Output*.



### 3.2 UserPlusPreferences

PXT-Live Plus includes a *UserPlusPreferences.txt* file that allows you to change some of its default behaviors and includes instructions on how to edit it. You can typically find this file in the following location:

On **Windows**:

- ProgramData\Ableton\Live 9\Resources\MIDI Remote Scripts\PXT\_Live\_Plus

On **OS X**, go to Applications, find *Ableton Live 9.app*, right-click and select Show Package Contents and then navigate to:

- Contents/App-Resources/MIDI Remote Scripts/PXT\_Live\_Plus

# 4 GLOBAL CONTROLS

The Global Controls accessible in PXT-Live Plus are identical to those in PXT-Live with the following exceptions.

## **4.1 Touch Strip**

By default, the **Touch Strip** will function exactly as it does PXT-Live. However, its function can also be changed by holding down the **Select** button and using the **Touch Strip**. The currently selected function will be shown in the **Display**. The available functions are:

**selectedParameter** – The default function of the **Touch Strip**, which works exactly as it does in PXT-Live.

**Crossfader** – Sets up the **Touch Strip** to control the Crossfader.

**Tempo Nudge** – Sets up the **Touch Strip** to nudge the Tempo up (if the upper half of the **Touch Strip** is touched) or down (if the lower half of the **Touch Strip** is touched).

**Pitch Bend** – Sets up the **Touch Strip** as a Pitch Bend strip.

**Mod wheel** – Sets up the **Touch Strip** as a Mod Wheel strip.

**Sprung mod wheel** – Sets up the **Touch Strip** to function as a spring-loaded Mod Wheel so that releasing the **Touch Strip** will reset the Mod Wheel value back to 0.

# 5 PLUS MATRIX MODES

PXT-Live Plus provides all of the Matrix Modes accessible in PXT-Live and provides an additional set of six Matrix Modes (referred to as the Plus Matrix Modes); **Drum, Capture, Chord, STC, User** and **Meters**. The Plus Matrix Modes can be accessed by holding down the **Session** button and the pressing the **Note** button. You can switch between the Plus Matrix Modes by holding down the **Select** button, selecting the desired Mode with the **Track Selection** buttons and releasing the **Select** button.

As with the Matrix Modes in PXT-Live, each Plus Matrix Mode dictates the functionality of the **Matrix, Track Selection, Track State, Resolution, Stop, Mute, Solo, Scales, Repeat, Accent, Octave Down/Up, Add Effect** and **Add Track** buttons. However, the Plus Matrix Modes do not use the **Add Effect** or **Add Track** buttons. These buttons will be dark when Plus Matrix Modes are selected. Each Plus Matrix Mode also utilizes the lower two lines of the **Display**. Also, as with PXT-Live, **Matrix Pads** set up for playing Notes will provide feedback (turn Green) on Notes coming through the selected MIDI Track **unless** the MIDI Track has a Drum Rack on it. Drum Mode is an exception to this rule however.

PXT-Live Plus also slightly modifies the functionality of PXT-Live's [Accessory Mode](#).

## 5.1 Functionality Common to Plus Matrix Modes

The Plus Matrix Modes share some of the same functionality. First of all, all of the Plus Matrix Modes (aside from [Meters](#)) operate on the selected Track and selected Clip. Also, in order to play instruments/record data into MIDI Clips via any of the Plus Matrix Modes, the Track(s) containing the instrument(s) should be armed, which can be accomplished via the **Track Arm** function covered below.

**Clip Play Toggle** – If the selected Clip is playing, triggered or recording, this will stop the Clip. If the **Shift** button is pressed, this will immediately stop the Clip (without quantization). If the Clip is not playing or is triggered to stop, this will launch the Clip. If the **Shift** button is pressed, this will immediately launch the Clip (without quantization) with legato.

**Repeat Velocity Toggle** – When on and **Repeat** is on, applying pressure to the Pads will control the velocity of repeated notes. When off, applying pressure to the Pads will have no effect on the velocity of repeated notes.

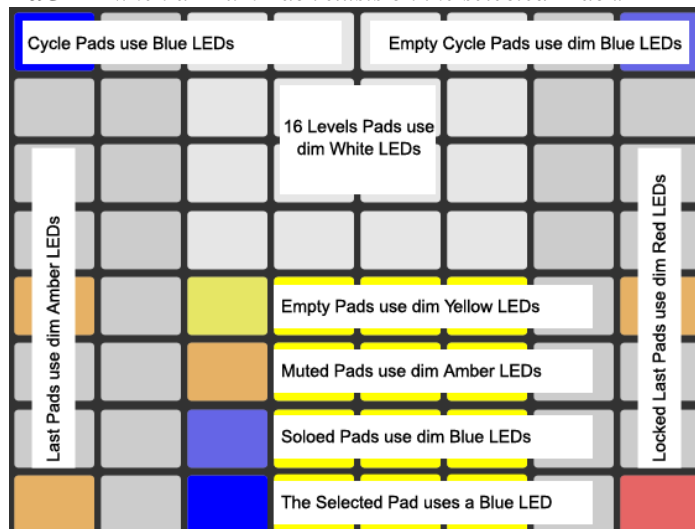
**Track Arm** – Toggles the Arm state of the selected Track. By default, this will obey your settings in Preferences for exclusive Arm. When the **Shift** button is held down, this will do the opposite of your Preference setting.

**Sustain** – When on, the last Note/Chord played from the Pads will sustain until a new Note/Chord is played or until Sustain is turned off. Sustain is incompatible with Note Repeat and so turning Sustain on will turn Note Repeat off and vice versa.

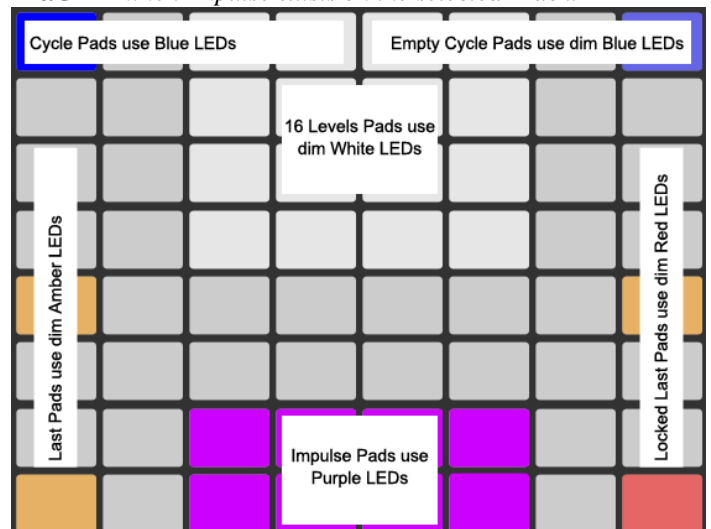
## 5.2 Drum Mode

Drum Mode provides a dedicated interface for working with Live's Drum Rack or Impulse device. This Mode does not use the **Scales** button. This button will be dark when this Mode is selected.

*Matrix when a Drum Rack exists on the selected Track.*



*Matrix when Impulse exists on the selected Track.*



**NOTE:** You can specify the LED colors to use in this Mode as well as associate LED colors with Drum Rack pads containing user-definable words in [UserPlusPreferences](#).

**Matrix** – The **Matrix** is split up into several sections that perform different tasks.

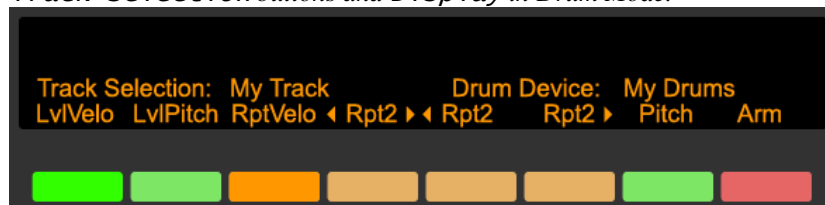
- By default, the **Drum Pads** (Pads in the lower half center) play either the visible pads in the Drum Rack or the pads in Impulse. Holding down the **Delete** button and pressing a Pad will delete the Notes associated with the Pad (if the Clip is not playing) or erase the portion of Notes that the playhead is currently passing over (if the Clip is playing). Holding down the **Quantize** button and pressing a Pad will quantize the Notes associated with the Pad. In the case of the Drum Rack, holding down the **Select** button and pressing a Pad will select the associated Drum Rack pad. The **Drum Pads** can also perform other functions depending on which other buttons are pressed.
- The **Last Pads** (Pads in the lower half corners) will play the pad that was triggered last. These can also be individually locked to the current pad by holding the **Shift** button and pressing one of the **Last Pads**. The Drum Rack and Impulse each have their own set of **Last Pads**.
- The **16 Level Pads** (Pads in the upper half center) will all play the pad that was triggered last. Each **16 Level Pad** will, by default, play the pad with a different velocity (the velocities ascend from bottom to top).
- The **Cycle Pads** (Pads in the upper corners of the upper half) can manually play back sequences of up to 8 notes each. Holding down the **Shift** button and pressing one of the **Cycle Pads** will enable recording for the **Cycle Pad** (the **Display** will indicate this). You can then use the **Drum Pads** to record a sequence. When you're done recording, press the **Cycle Pad** again to stop recording and start playing back. The Drum Rack and Impulse each have their own set of **Cycle Pads**.

**Track Selection** – The **Track Selection** buttons provide access to 8 options/functions. These options/functions are shown in the **Display**. *LvlVelo* toggles velocity on/off for the **16 Levels Pads**. *LvlPitch* (only accessible for Drum Racks) toggles Pitch Bend on/off for the **16 Levels Pads**. *RptVelo* performs the [Repeat Velocity Toggle](#) function. *Arm* performs the [Track Arm](#) function.

When **Repeat** is on, applying pressure to the **Drum Pads** can control a parameter within Drum Racks or Impulse (if the selected parameter is **not** assigned to a Macro). The parameter to control is selected via the 7<sup>th</sup> **Track Selection** button (shown as *Pitch* in the image below). The available parameters are *Pitch* (Transpose), *Freq* (Filter Frequency), *Res* (Filter Resonance), *Decay* (Amp Decay) and *Pan* (Panning).

<*Rpt2*> will cause pressure to control the entire range of the parameter. <*Rpt2*> will cause pressure to control the parameter with a range from its minimum value to its current value. *Rpt2*> will cause pressure to control the parameter with a range from its current value to its maximum value. When all 3 of these are turned off, the selected parameter will not be affected by pressure and it will be restored to its previous value. Also, turning **Repeat** off will restore the previous value of the parameter.

*Track Selection buttons and Display in Drum Mode.*



**Track State** – Displays a visual metronome.

**Resolution** – Selects the Note Repeat Rate when **Repeat** is on.

**Stop** – Performs the [Clip Play Toggle](#) function.

**Mute** – Only accessible to Drum Racks. When held down, the **Drum Pads** can be used for toggling the Mute state of Drum Rack pads. Holding down the **Shift** button and pressing **Mute** will unmute all Drum Rack pads.

**Solo** – Only accessible to Drum Racks. When held down, the **Drum Pads** can be used for toggling the Solo state of Drum Rack pads. Holding down the **Shift** button and pressing **Solo** will unsolo all Drum Rack pads.

**Repeat** – Toggle (if pressed quickly) or momentarily (if held down) activate Note Repeat.

**Accent** – Toggle (if pressed quickly) or momentarily (if held down) activate Full Velocity for the **Drum Pads**, **Last Pads** and **Cycle Pads**.

**Octave Down/Up** – Only accessible to Drum Racks. Scroll the Drum Rack’s selector down/up by 4 or by 1 if the **Shift** button is held down.

**select** – Holding down the **Delete** button and pressing the **Select** button will delete the Clip. Holding down the **Quantize** button and pressing the **Select** button will quantize the Clip.

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## 5.3 Capture Mode

Capture Mode allows you to capture unique Notes and Chords from Clips and play them directly from the **Matrix**. This is somewhat similar to PXT-Live’s Capture Mode but, again, allows for Chords to be captured/played in addition to individual Notes. This Mode does not use the **Mute**, **Solo** or **Scales** buttons. These buttons will be dark when this Mode is selected.



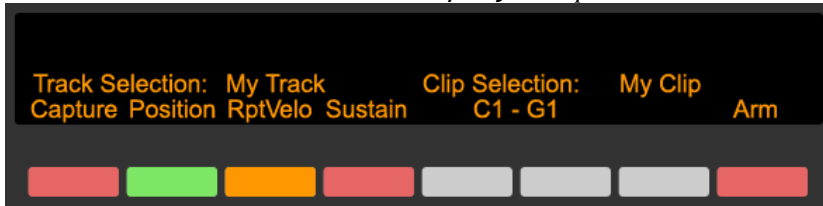
**Matrix** – The **Matrix** is split up into several sections that perform different tasks.

- The **Capture Pads** (lowest 3 rows of Pads) play the captured Notes and Chords. Each Pad can capture/play up to 6 Notes. Each Note assigned to a Pad is sent on a different MIDI channel; lowest/first Note sent on MIDI Channel 3 – highest/last Note sent on MIDI Channel 8. This allows you to use the **Capture Pads** to play individual instruments or multiple instruments (each routed from a different MIDI channel) simultaneously.
- The **Page Pads** (4<sup>th</sup> row of Pads) will only be accessible if more than 24 Notes/Chords have been captured. These will switch between Pages of captured Notes/Chords.
- The upper 2 rows of Pads are laid out as a one octave keyboard that will display the Note(s) played from the **Capture Pads**.

**Track Selection** – The **Track Selection** buttons provide access to five options/functions. These options/functions are shown in the **Display**. **Capture** will capture Notes/Chords from the Clip. **RptVelo** performs the **Repeat Velocity Toggle** function. **Sustain** performs the **Sustain** function. **Arm** performs the **Track Arm** function.

The 2<sup>nd</sup> **Track Selection** button (shown as *Position* in the image on the following page) selects the type of sorting that the Capture function will use. The available sorting types are *Position* (sort by the position of the Notes/Chords captured from the Clip), *Note* (sort by Pitch), *Length* (sort by number of Notes), *Note+Len* (sort by Pitch and number of Notes) and *+Dupes* (same as *Position*, but allows duplicate Notes/Chords to be captured).

### Track Selection buttons and Display in Capture Mode.



The lower right hand side of the Display shows the current Note range.

**Track State** – Displays a visual metronome.

**Resolution** – Selects the Note Repeat Rate when Repeat is on.

**Stop** – Performs the [Clip Play Toggle](#) function.

**Repeat** – Toggle (if pressed quickly) or momentarily (if held down) activate Note Repeat.

**Accent** – Toggle (if pressed quickly) or momentarily (if held down) activate Full Velocity for the Capture Pads.

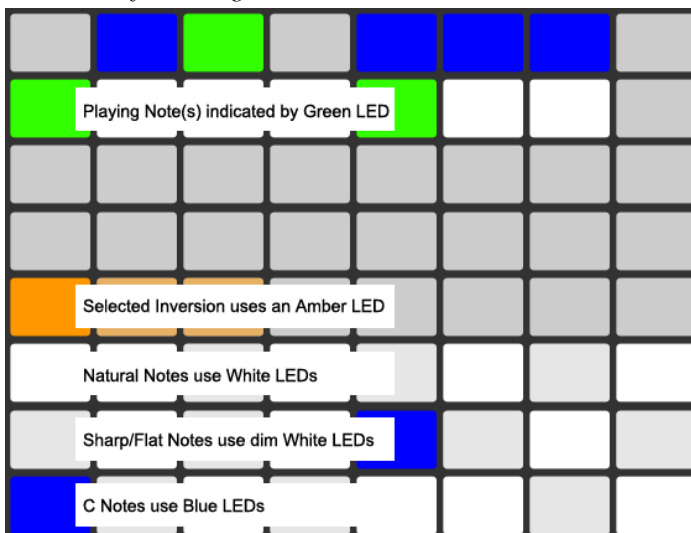
**Octave Down/Up** – Scrolls the captured Notes/Chords down/up by 1 Octave or 1 Semitone if the Shift button is held down.

**select** – Holding down the Delete button and pressing the Select button will delete the Clip. Holding down the Quantize button and pressing the Select button will quantize the Clip.

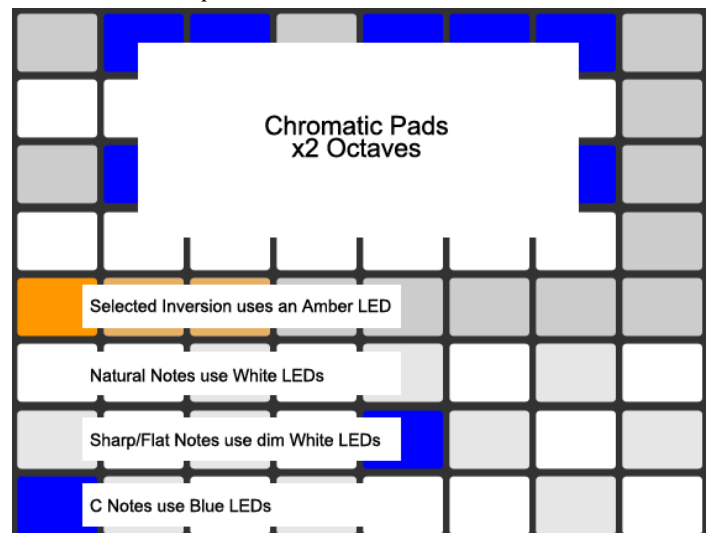
## 5.4 Chord Mode

Chord Mode allows you to easily play 16 different Chord Types (with support for all of their associated Inversions) from the Matrix. This Mode does not use the Mute or Solo buttons. These buttons will be dark when this Mode is selected.

*Matrix default assignments.*



*Matrix when Split Mode is on.*



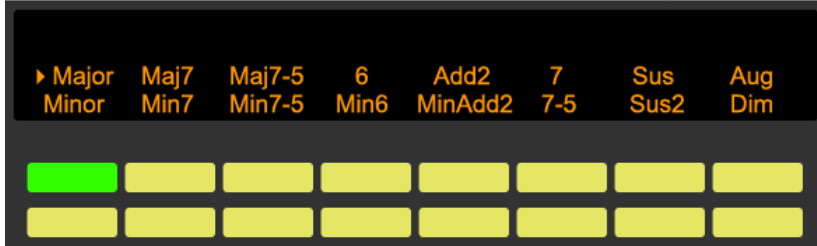
**Matrix** – The Matrix is split up into several sections that perform different tasks.

- The **Chord Pads** (lowest 3 rows of Pads) provide two Octaves of chromatic Pads that play Chords. Each Note in the Chord is sent on a different MIDI channel; lowest/first Note sent on MIDI Channel 3 – highest/last Note sent on MIDI Channel 8. This allows you to use the **Chord Pads** to play individual instruments or multiple instruments (each routed from a different MIDI channel) simultaneously.
- The **Inversion Pads** (5<sup>th</sup> row of Pads) allow you to switch between Chord Inversions.
- By default, the upper 2 rows of Pads are laid out as a one octave keyboard that displays the Notes played from the **Chord Pads**. When **Split Mode** is on, the upper 4 rows of Pads are laid out as a playable, two octave keyboard.



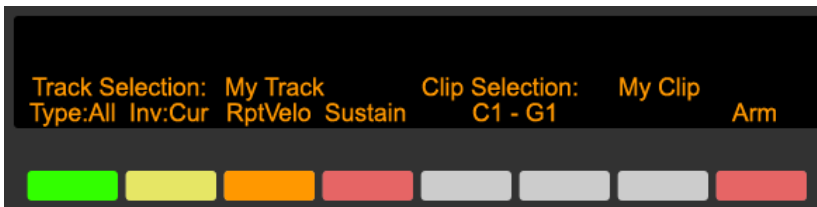
**Track Selection and Track State** – When the **Scales** button is not pressed, the **Track Selection** and **Track State** buttons select the Chord Type that the **Chord Pads** will play. The available Chord Types are shown in the **Display**.

*Track Selection and Track State buttons and Display in Chord Mode when the Scales button is not pressed.*



When the **Scales** button is pressed, the **Track State** buttons display a visual metronome. The **Track Selection** buttons provide access to five options/functions. These options/functions are shown in the **Display**. The 1<sup>st</sup> **Track Selection** button (shown as *Type:All* in the image below) will select whether the Chord Type buttons affect all **Chord Pads** or just the current **Chord Pad**. The 2<sup>nd</sup> **Track Selection** button (shown as *Inv:Cur* in the image below) will select whether the **Inversion Pads** affect all **Chord Pads** or just the current **Chord Pad**. *RptVelo* performs the **Repeat Velocity Toggle** function. *Sustain* performs the **Sustain** function (note that this function **only** affects the **Chord Pads**). *Arm* performs the **Track Arm** function.

*Track Selection buttons and Display in Chord Mode when the Scales button is pressed.*



The lower right hand side of the **Display** shows the current Note range.

**Resolution** – Selects the Note Repeat Rate when **Repeat** is on.

**Stop** – Performs the **Clip Play Toggle** function.

**Scales** – By default, modifies the functionality of the **Track Selection** and **Track State** buttons when pressed. When **Shift** is held down, toggles **Split Mode** on/off. When **Split Mode** is off, the upper 2 rows of **Pads** will display the Notes played from the **Chord Pads**. When **Split Mode** is on, the upper 4 rows of **Pads** function as a playable two octave keyboard.

**Repeat** – Toggle (if pressed quickly) or momentarily (if held down) activate Note Repeat.

**Accent** – Toggle (if pressed quickly) or momentarily (if held down) activate Full Velocity for the **Matrix**.

**Octave Down/Up** – By default, scrolls the **Chord Pads** down/up by 1 Octave. When **Shift** is held down and **Split Mode** is on, scrolls the upper **Pads** down/up by 1 Octave.

**select** – Holding down the **Delete** button and pressing the **Select** button will delete the **Clip**. Holding down the **Quantize** button and pressing the **Select** button will quantize the **Clip**.

**NOTE:** You can change the Chord Types that are accessible in this Mode in the file named *ChordTypes.py*, which can be edited with any text editing software. The file itself includes instructions on how to edit it. You can typically find this file in the following location:

On **Windows:**

- ProgramData\Ableton\Live 9\Resources\MIDI Remote Scripts\PXT\_Live\_Plus

On **OS X**, go to Applications, find *Ableton Live 9.app*, right-click and select Show Package Contents and then navigate to:

- Contents/App-Resources\MIDI Remote Scripts\PXT\_Live\_Plus

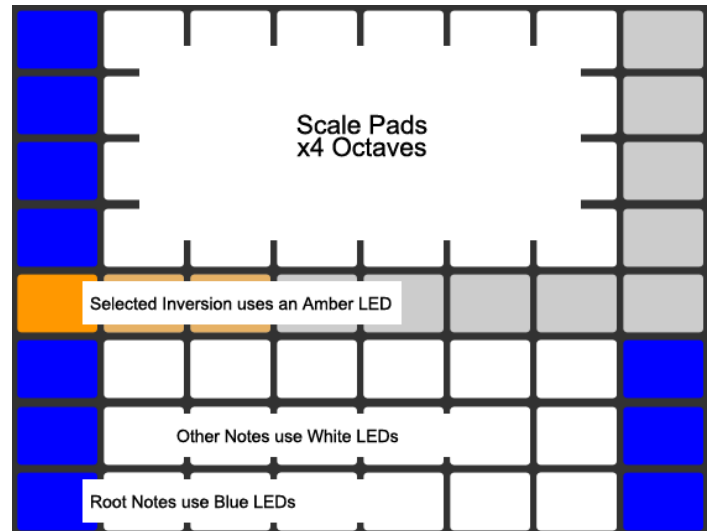
## 5.5 STC Mode

STC (or Scale Tone Chord) Mode allows you to easily play the 7 Chords (triads and/or 7<sup>th</sup>s with support for all of their associated Inversions) associated with Major and Minor Scales from the **Matrix**. This Mode does not use the **Mute** or **Solo** buttons. These buttons will be dark when this Mode is selected.

*Matrix default assignments.*



*Matrix when Split Mode is on.*



**Matrix** – The **Matrix** is split up into several sections that perform different tasks.

- The **STC Pads** (lowest 3 rows of Pads) provide three Octaves of Pads quantized to the selected Scale that play Chords. Each Note in the Chord is sent on a different MIDI channel; lowest/first Note sent on MIDI Channel 3 – highest/last Note sent on MIDI Channel 8. This allows you to use the **STC Pads** to play individual instruments or multiple instruments (each routed from a different MIDI channel) simultaneously.
- The **Inversion Pads** (5<sup>th</sup> row of Pads) allow you to switch between Chord Inversions.
- By default, the upper 2 rows of Pads are laid out as a one octave keyboard that displays the Notes played from the **STC Pads**. When **Split Mode** is on, the upper 4 rows of Pads will be assigned to play 4 octaves of the current Scale.

**Track selection and Track State** – When the **Scales** button is not pressed, most of the **Track selection** and **Track State** button select the Root Note of the Scale. The remaining four buttons provide access to four options/functions. These options/functions as well as the available Root Notes are shown in the **Display**.

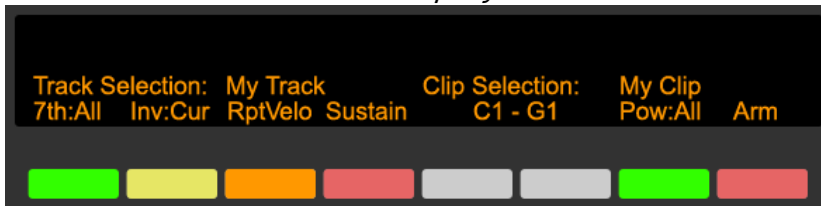
The 1<sup>st</sup> **Track selection** button (shown as *Major* in the image below) will select the Scale Type (either *Major* or *Minor*). *Arm* will perform the **Track Arm** function. The 1<sup>st</sup> **Track State** button (shown as *7th Off* in the image below) will select whether the **STC Pads** will play triads or 7<sup>th</sup>s. The 8<sup>th</sup> **Track State** button (shown as *Power Off* in the image below) will select whether a Power Chord will be added to the Chords the **STC Pads** play.

*Track selection and Track State buttons and Display in STC Mode when the Scales button is not pressed.*



When the **Scales** button is pressed, the **Track State** buttons display a visual metronome. The **Track Selection** buttons provide access to six options/functions. These options/functions are shown in the **Display**. The 1<sup>st</sup> **Track Selection** button (shown as *7th:All* in the image below) will select whether the 7<sup>th</sup> option affects all **STC Pads** or just the current **STC Pad**. The 2<sup>nd</sup> **Track Selection** button (shown as *Inv:Cur* in the image below) will select whether the **Inversion Pads** affect all **STC Pads** or just the current **STC Pad**. *RptVelo* performs the **Repeat Velocity Toggle** function. *Sustain* performs the **Sustain** function (note that this function **only** affects the **STC Pads**). The 7<sup>th</sup> **Track Selection** button (shown as *Pow:All* in the image below) selects whether the **Power** option will affect all **STC Pads** or just the current **STC Pad**. *Arm* performs the **Track Arm** function.

*Track Selection buttons and Display in STC Mode when the Scales button is pressed.*



The lower right hand side of the **Display** shows the current **Note range**.

**Resolution** – Selects the **Note Repeat Rate** when **Repeat** is on.

**Stop** – Performs the **Clip Play Toggle** function.

**scales** – By default, modifies the functionality of the **Track Selection** and **Track State** buttons when pressed. When **Shift** is held down, toggles **Split Mode** on/off. When **Split Mode** is off, the upper 2 rows of **Pads** will display the **Notes** played from the **STC Pads**. When **Split Mode** is on, the upper 4 rows of **Pads** will be assigned to play 4 octaves of the current **Scale**.

**Repeat** – Toggle (if pressed quickly) or momentarily (if held down) activate **Note Repeat**.

**Accent** – Toggle (if pressed quickly) or momentarily (if held down) activate **Full Velocity** for the **Matrix**.

**Octave Down/Up** – By default, scrolls the **STC Pads** down/up by 1 **Octave**. When **Shift** is held down and **Split Mode** is on, scrolls the upper **Pads** down/up by 1 **Octave**.

**select** – Holding down the **Delete** button and pressing the **Select** button will delete the **Clip**. Holding down the **Quantize** button and pressing the **Select** button will quantize the **Clip**.

## 5.6 User Mode

**User Mode** allows you to set up the **Matrix** to send out any **Notes** you choose on virtually any **MIDI channel** you choose and to use **LED colors** that you choose. You can specify the **Notes**, **MIDI channels** and **LED colors** that this **Mode** should use in the file named *UserModeMap.py*, which can be edited with any text editing software. The file itself includes instructions on how to edit it. You can typically find this file in the following location:

On **Windows**:

- ProgramData\Ableton\Live 9\Resources\MIDI Remote Scripts\PXT Live Plus

On **OS X**, go to **Applications**, find *Ableton Live 9.app*, right-click and select **Show Package Contents** and then navigate to:

- Contents/App-Resources\MIDI Remote Scripts\PXT Live Plus

This **Mode** does not use the **Mute**, **Solo**, **Scales** or **Octave Down/Up** buttons. These buttons will be dark when this **Mode** is selected.

**Matrix** – Send out the **Notes** specified in *UserModeMap.py*.

**Track selection** – The **Track Selection** buttons provide access to just one function as shown in the **Display**. *Arm* performs the **Track Arm** function.

**Track state** – Displays a visual metronome.

**Resolution** – Selects the Note Repeat Rate when **Repeat** is on.

**Stop** – Performs the [Clip Play Toggle](#) function.

**Repeat** – Toggle (if pressed quickly) or momentarily (if held down) activate Note Repeat.

**Accent** – Toggle (if pressed quickly) or momentarily (if held down) activate Full Velocity for the **Matrix**.

**select** – Holding down the **Delete** button and pressing the **Select** button will delete the Clip. Holding down the **Quantize** button and pressing the **Select** button will quantize the Clip.

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## 5.7 Meters Mode

Meters Mode sets up the **Matrix** and **Track State** buttons to function as Output Meters and Volume controls for the 8 Tracks that are currently outlined in Live as well as the Master Track. This Mode does not use the **Resolution**, **Stop**, **Scales**, **Repeat**, **Accent** or **Octave Down/Up** buttons. These buttons will be dark when this Mode is selected.

**Matrix** – By default, each column of Pads in the **Matrix** displays an Output Meter for the associated outlined Track. When the **Shift** button is held down, each column of Pads in the **Matrix** functions as a Volume control for the associated outlined Track.

**Track Selection** – Pressing a **Track Selection** button quickly will select the corresponding Track or toggle the Arm state of the Track if the Track is already selected. Holding down a **Track Selection** button will fold or unfold the corresponding Track (if it is a group Track). Holding down the **Shift** button and pressing a **Track Selection** button will select the corresponding Track as well as the Clip playing on the Track.

**Track State** – By default, displays an Output Meter for the Master Track. When the **Shift** button is held down, functions as a Volume control for the Master Track. The **Track State** buttons can also perform other functions depending on which other buttons are pressed.

**Mute** – Toggle (if pressed quickly) or momentarily (if held down) switch the **Track State** buttons to Mute Mode. In Mute Mode, pressing a **Track State** button quickly will toggle the Mute state of the corresponding Track. Holding down a **Track State** button will momentarily toggle the Mute state of the corresponding Track.

When the **Shift** button is held down, pressing the **Mute** button will toggle between dimming the Master Track (settings its volume to half of its current setting) and undimming the Master Track (restoring its volume back to its setting before dimming).

**Solo** – Toggle (if pressed quickly) or momentarily (if held down) switch the **Track State** buttons to Solo Mode. In Solo Mode, pressing a **Track State** button quickly will toggle the Solo state of the corresponding Track. Holding down a **Track State** button will momentarily toggle the Solo state of the corresponding Track. By default, Solo Mode will obey your settings in Preferences for exclusive Solo. Holding down the **Shift** button and pressing a **Track State** button will do the opposite of your Preference setting.

# 6 ACCESSORY MODE MODIFICATION

Accessory Mode in PXT-Live Plus functions exactly as it does in PXT-Live, but includes an additional set of functions.

When Accessory Mode is locked (via **User + Shift**) and the **Shift** button is held down, the **Track Selection** and **Track State** buttons can send keystrokes. The keystrokes to send can be assigned in your [UserPlusPreferences](#) file.

---

## 7 ENCODER MODES

PXT-Live Plus provides all of the Encoder Modes accessible in PXT-Live and provides an additional Encoder Mode; **MIDI**, which you can access by holding down the **Volume** button and pressing the **Pan & Send** button. As with the Encoder Modes in PXT-Live, this Mode dictates the functionality of the **Encoders** over the **Display** as well as the **In** and **Out** buttons and utilizes the upper two lines of the **Display**.

### 7.1 MIDI Mode (Volume and Pan & Send Buttons)

MIDI Mode sends out common MIDI Control Change messages (CCs) and Program Change messages, which most MIDI instruments respond to. By default, the **Encoders** offer coarse adjustment. Holding down the **Shift** button while using the **Encoders** will offer finer adjustment.

*Volume* (**Encoder 1**) sends out Volume (CC#7).

*Pan* (**Encoder 2**) sends out Pan (CC#10).

*Cutoff* (**Encoder 3**) sends out Filter Cutoff (CC#74).

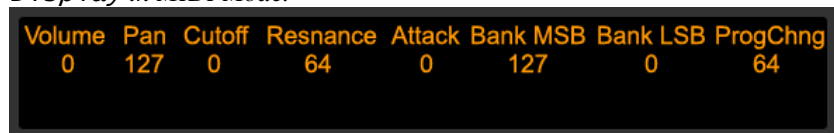
*Resnance* (**Encoder 4**) sends out Filter Resonance (CC#71).

*Attack* (**Encoder 5**) sends out Amp Envelope Attack (CC#73).

*Bank MSB/Bank LSB* (**Encoders 6 – 7**) send out Bank Select messages (CC#0 and CC#32). Turning either of these **Encoders** will send out both the MSB and LSB value and will also send out a Program Change message with a value of 0. This is done as most MIDI instruments require this sequence of messages in order to actually switch between banks.

*ProgChng* (**Encoder 8**) sends out Program Change messages.

*Display* in MIDI Mode.



Volume	Pan	Cutoff	Resnance	Attack	Bank MSB	Bank LSB	ProgChng
0	127	0	64	0	127	0	64

In **In** and **Out** buttons send out Program Change messages incrementally. When the **Shift** button is held down, **In** and **Out** will navigate between pages of **Encoder** assignments (if any exist). See the next section for information on this.

#### 7.1a Additional Pages

By default, the **Encoders** will strictly send the messages covered in the previous section. You can define additional pages of CC messages for the **Encoders** to send in the file named *UserMidiModeMap.py*, which can be edited with any text editing software. The file itself includes instructions on how to edit it. You can typically find this file in the following location:

On **Windows**:

- [ProgramData\Ableton\Live 9\Resources\MIDI Remote Scripts\PXT Live Plus](#)

On **OS X**, go to Applications, find *Ableton Live 9.app*, right-click and select Show Package Contents and then navigate to:

- [Contents/App-Resources\MIDI Remote Scripts\PXT Live Plus](#)

# 8 TROUBLESHOOTING

This section provides resolutions to common problems that you may run into when setting up or using PXT-Live Plus. If you do not find a resolution to your problem here, please contact [Support](#).

## 8.1 General Troubleshooting

I'm sure that my Live settings are correct, but PXT-Live Plus does not work.

First, please double-check your Live settings against [those provided](#). If you're sure that these are correct, then it's likely you've made some incorrect settings in MT Player. To resolve this, you can reset MT Player. Please note, however, that this will clear out any settings you've made in MT Player. To reset MT Player:

1. Close MT Player.
  2. Go to:
    - o My Documents\Bome's Midi Translator\Player (Windows)
    - o (your name)/Bome's Midi Translator/Player (OS X)
  3. Launch the app named *MT Control Panel* and click RESET.
  4. Relaunch MT Player.
  5. Upon relaunching MT Player, select the PXT-Live Plus Preset if it isn't already selected.
  6. You may be prompted to select MIDI ports to use. If so, you should select Push's User Ports at these prompts.
- 

In Chord and/or STC Mode, when Split Mode is on, the upper 2 rows of Pads sometimes do not display the Notes I played/recorded.

The upper 2 rows of Pads can only display feedback on the currently selected Track and only if the Track does **not** contain a Drum Rack. If you're using Chord and/or STC Mode to control instruments across multiple Tracks, you will only receive feedback on whichever Track is currently selected providing that it doesn't contain a Drum Rack.

---

## 8.2 Windows Troubleshooting

I've ran the provided Setup executable, but don't find PXT Live Plus listed under Control Surfaces.

If Live was running at the time you ran the Setup executable, you will need to restart Live. If this doesn't resolve the problem, then it's likely that you've installed Live in a protected location (such as Program Files). In this case, you will need to elevate the permissions on your Live installation directory so that you can write to it. Once this is done, re-run the Setup executable.

---

Upon launching MT Player I receive an error message regarding Push's User Ports.

Please close Live, MT Player and any other MIDI applications. Then re-launch MT Player.

---

Keystrokes are not being sent to Live correctly.

If you are running Live as an administrator, you will also need to run MT Player as an administrator.

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## 8.3 OS X Troubleshooting

I've ran the provided Setup package, but don't find PXT Live Plus listed under Control Surfaces.

If Live was running at the time you ran the Setup application, you will need to restart Live.

# 9 SUPPORT

**Email:**

[support@nativekontrol.com](mailto:support@nativekontrol.com)

**Forum:**

[Beatwise Network](#)

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