

PusheR3

control Reason with Ableton Push



Getting Started Guide

version 1.0.5

Table of Contents

Welcome to PusheR!	4
1. Installation	5
Step 1: creating the virtual midi ports	5
Step 2: Installing the Remote files	8
Step 3: Creating Control Surfaces in Reason	11
2. Prepare for Use	14
Launching the PusheR app	14
Initializing Push and the control surfaces	16
A note on controlling devices	18
Quitting PusheR	18
3. Functional Description	19
A. Overview	19
B. Track Mode (Encoder Group)	20
C. Device Mode (Encoder Group)	22
D. Mix Modes (Encoder Group)	24
E. Master Mode (Encoder Group)	28

F. Note Modes (Pads Matrix)	30
Kong submode	31
Redrum submode	32
Dr.OctoRex Submode	34
Generic Device Submode	35
G. Session Mode (Matrix)	36
H. Scale & TouchStrip settings	37
I. Transport controls	39
L. Key-commands	40
M. Note Repeat and Accent	43
N. AfterTouch, Sustain Pedal, Expression	44
O. The Jog Wheel and Screen Mirroring	45
4. Settings	49
Appendix A - Buttons Function	50
Appendix B - Permissions on Mac	52
Appendix C - Key Commands version	54

Welcome to PusheR!

First off, congratulations on becoming a PusheR user. We hope that you will have great fun in controlling Reason from the Push hardware!

Before you continue on reading this guide, here are some basic facts which will help you to better get familiarized with PusheR:

- The PusheR app handles all the communication between the hardware and Reason. It needs to be running in the background at all times when you want to use PusheR
- PusheR utilizes Push's User ports for communicating with the hardware.
- The display will present information based on the selected mode. There are modes for track control, device control, and mixer control. These are accessed by using the "Encoder Modes" button selectors.
- If you are using Windows, you will need to install a virtual MIDI driver to create MIDI ports which both Reason and the PusheR app can use. We recommend the free LoopMIDI software which you can download from <http://www.tobias-erichsen.de/software/loopmidi.html>
- PusheR works with Reason in standalone mode only! Unfortunately the Reason Rack plugin does not support the Remote protocol so it won't work with the PusheR app.

If you have any comments, suggestions or other feedback, drop us an email at "retouchcontrol@gmail.com". We would love to hear from you.

All the best with your music making,
RetouchControl

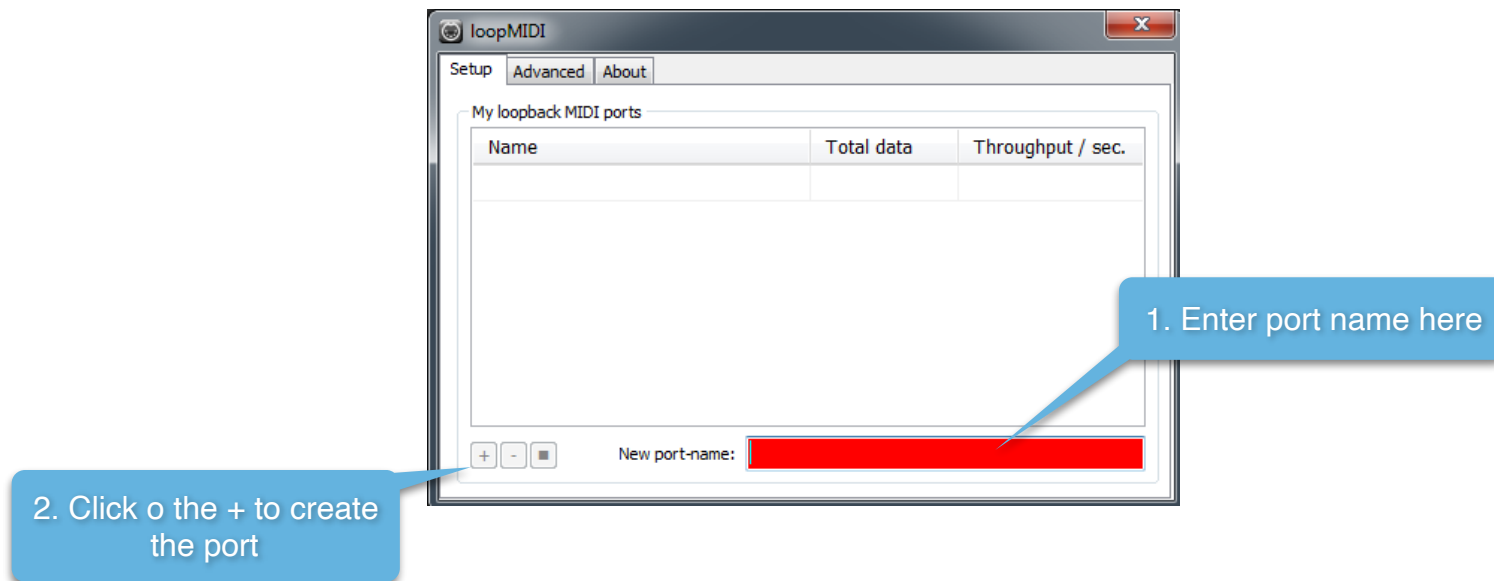
1. Installation

Step 1: creating the virtual midi ports

Windows:

Windows users will have to install a third party software to create Virtual MIDI Ports. We recommend using LoopMIDI (<http://www.tobias-erichsen.de/software/loopmidi.html>). For video instructions, please refer to this video [HERE](#).

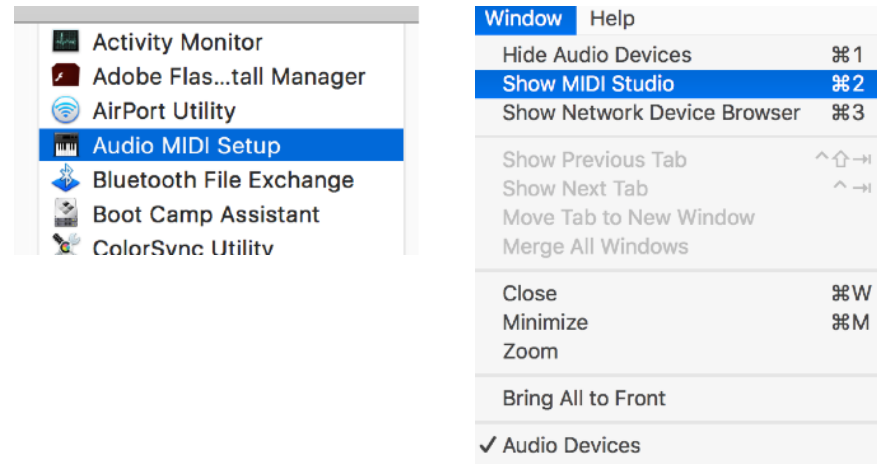
1. Go to the LoopMIDI website, download and install it.
2. Launch the LoopMIDI application. Follow the example below to create the MIDI ports
3. Create 2 MIDI ports: "Pusher3_IN", and "Pusher3_OUT"



Mac:

Mac users can use the native IAC bus to create the necessary ports. Please follow these steps. For video instructions, please refer to this video [HERE](#).

Step 1: On your Mac, go to the Applications folders, then open the “Utilities” folder and launch the “Audio MIDI Setup” application. Then from the Window menu, choose “Show MIDI Studio”

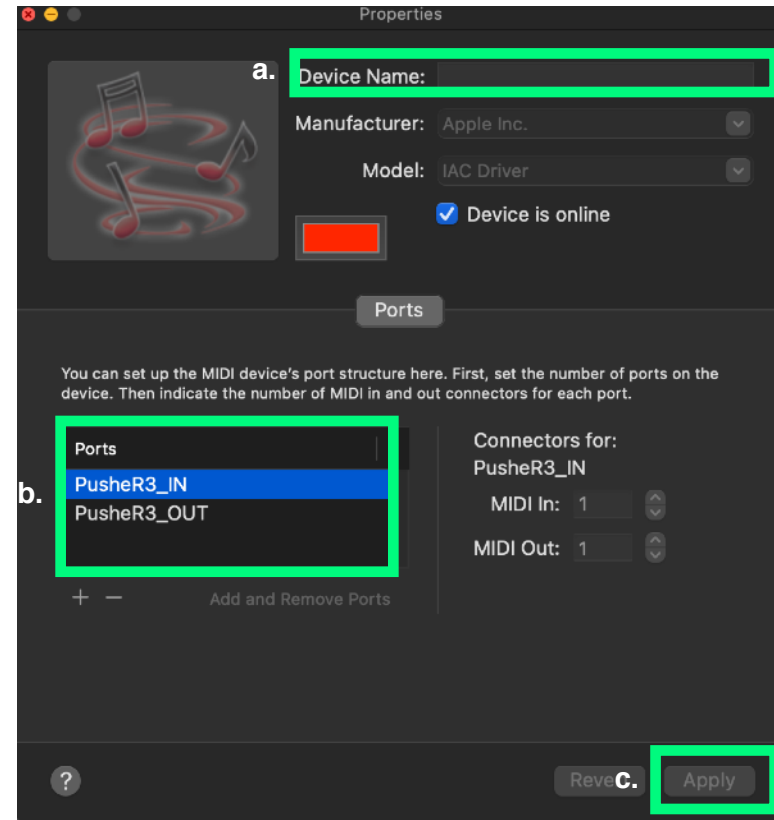


Step 2: Double click on the IAC icon to open the set up screen.



Step 3:

- a. keep the device name empty
- b. click on the + sign to create 2 ports and give them the following names "**PusheR3_IN**", "**PusheR2_OUT**"
- c. click on "Apply"



Step 2: Installing the Remote files

Navigate to the "Remote" folder contained in the "Pusher" download. Double click on the installer files for your operating system. The installer will create "Pusher3" folders and copy the Remote files to the following directories on your HD:

macOS:

Macintosh HD/Library/Application Support/Propellerhead Software/Remote/Codecs/Lua Codecs

Macintosh HD/Library/Application Support/Propellerhead Software/Remote/Maps

Attention Mac Users! if you have Reason 11 or later and you did not update from a previous version of Reason but installed from scratch, then the remote files are not installed in "Application Support" but are contained inside the application bundle. Right click on the Reason application icon and choose "Show Package Contents", there you'll find these folders:

Contents/Resources/Remote/DefaultCodecs/Lua Codecs

Contents/Resources/Remote/DefaultMaps

Windows* (choose to "create directory" when the installer prompts you):

C:/ProgramData/Propellerhead Software/Remote/Codecs/Lua Codecs

C:/ProgramData/Propellerhead Software/Remote/Maps

* please note, ProgramData is hidden by default on Windows. You need to enable "Show Hidden Files" in the Windows Files Explorer in order to access it.

Name
Install_Remote_OSX.command
> Lua Codecs
> Maps

Installer script on Mac

Name	Date modified	Type
Lua Codecs	12/14/2023 2:05 AM	File folder
Maps	12/14/2023 2:05 AM	File folder
Install_Remote_Windows	12/13/2023 11:25 PM	Windows Batch File

Installer script on Windows

Please note, the installer might be blocked from copying the remote files by the permissions settings of the file system on your computer. In that case, you can always copy and paste the folders manually. This is pretty easy to do. Follow these steps:

- 1) Go to the download, open Remote Files, then "Lua Codecs", copy the entire PusheR3 folder and paste at this location
OSX: Macintosh HD/Library/Application Support/Propellerhead Software/Remote/Codecs/Lua Codecs
Windows: C:/ProgramData/Propellerhead Software/Remote/Codecs/Lua Codecs
- 2) Then go back to the download, open Remote Files, then "Maps", copy the entire PusheR3 folder and paste at this location
OSX: Macintosh HD/Library/Application Support/Propellerhead Software/Remote/Maps
Windows: C:/ProgramData/Propellerhead Software/Remote/Maps

3) Restart Reason

Attention Mac Users! if you have Reason 11 or later and you did not update from a previous version of Reason but installed from scratch, then the remote files are not installed in "Application Support" but are contained inside the application bundle. Right click on the Reason application icon and choose "Show Package Contents", there you'll find these folders:

Contents/Resources/Remote/DefaultCodecs/Lua Codecs
Contents/Resources/Remote/DefaultMaps

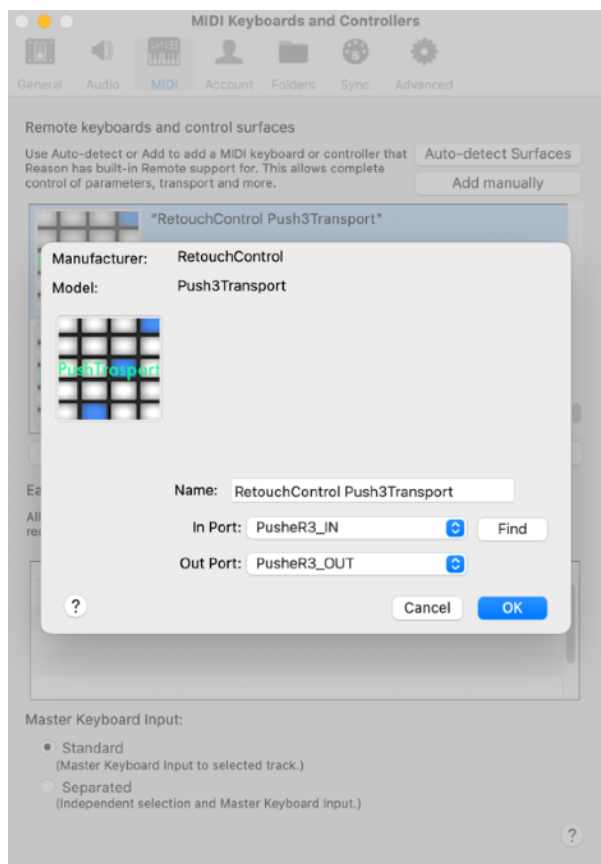
Step 3: Creating Control Surfaces in Reason

Launch Reason then go to "Preferences" and select "Control Surfaces". Click on "Add" and in the window that pops up, select "RetouchControl" from the Manufacturer's drop down menu. The available control surfaces from the Model menu are "Push3Transport", "Push3Devices" and "Push3Mixer". Add "Push3Transport" first and set the IN and OUT ports as shown in the table below and make it the master keyboard.

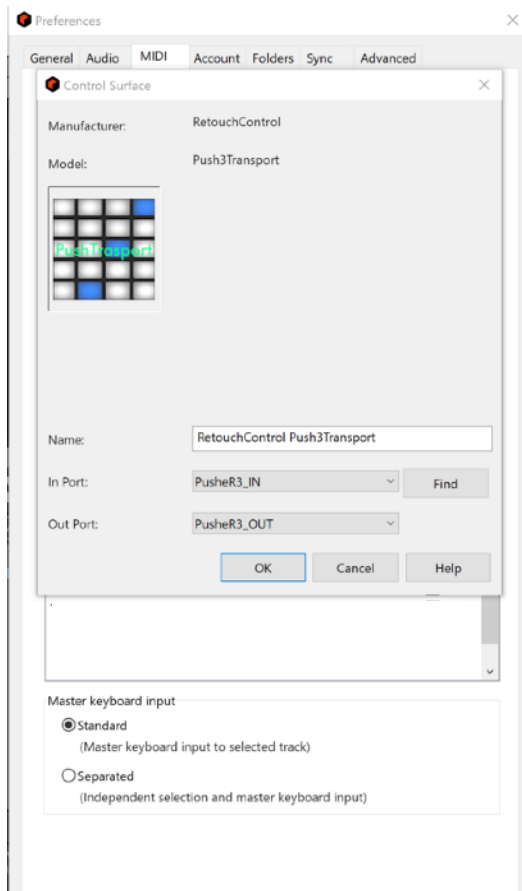
	IN port	OUT port
Mac	PusheR3_IN	PusheR3_OUT
Windows with LoopMIDI	PusheR3_IN	PusheR3_OUT

Reason MIDI Ports configuration

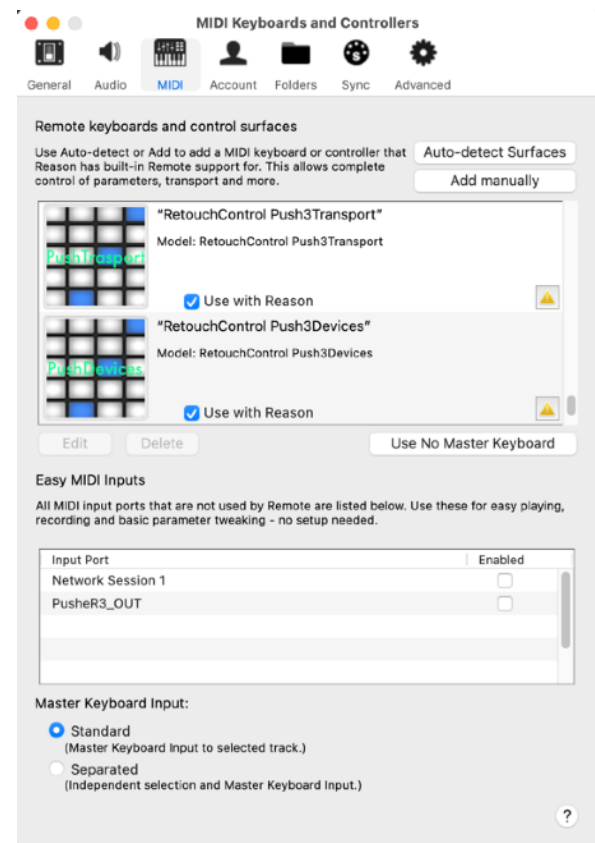
Once you have added "Push3Transport" to your list of control surfaces, please proceed with adding the remaining two and set the IN and OUT ports as above. Please note, Reason will issue a warning in the form of a yellow triangle when you do this. Simply ignore it as it won't affect anything. This is Reason telling you that more than one control surface are using the same MIDI ports.



**MIDI ports settings
on Mac**



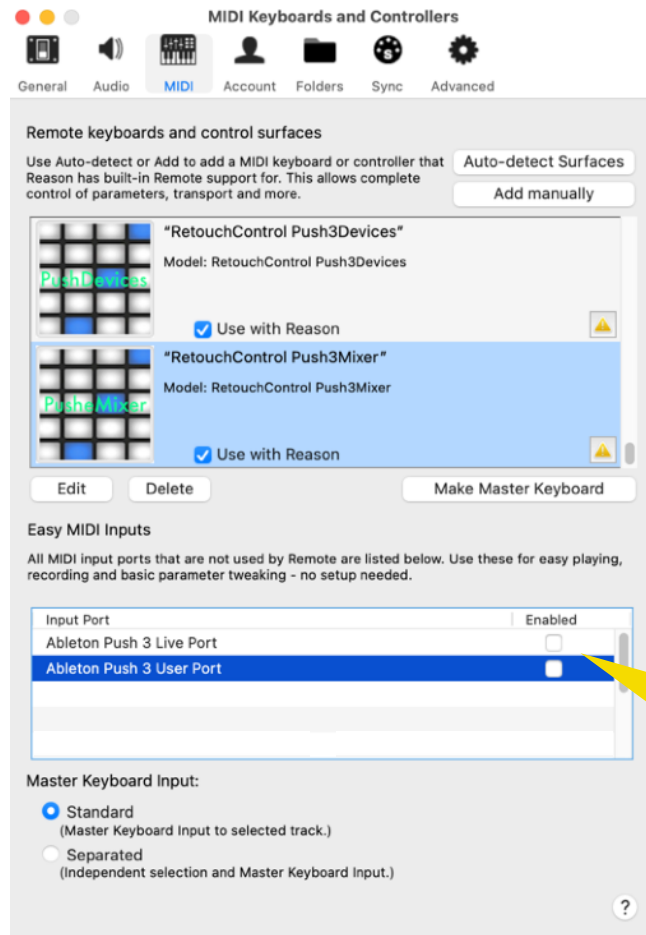
**MIDI ports settings
on Win**



**Reason's warning when adding
all 3 control surfaces**

Attention! please disable all Push and PusheR ports in the Easy MIDI Input field under Control Surfaces in order to avoid getting unwanted note triggers when pressing pads and touching the encoders.

Make sure to disable any of the Push ports in the Easy MIDI Input field in Reason's MIDI preference. If those ports are active, then you'll have double triggers and unwanted notes!



Uncheck the Ableton Push ports to avoid double note triggers

2. Prepare for Use

After you have created and configured the “Pusher” control surfaces in Reason, you are ready to start using Push to control Reason. Please make sure that Ableton Live is not running, only one application at the time can be controlled from Push. When you are done using Push with Pusher, power cycle the unit and then you can turn it back on to control Live.

Launching the Pusher app

The first thing to do to start using Pusher is to launch the app! But before you do so, make sure you have Push connected to your computer and turned on so that its MIDI ports are available.

Then navigate to the “App” folder in the download. Select the folder for your operating system and open it.

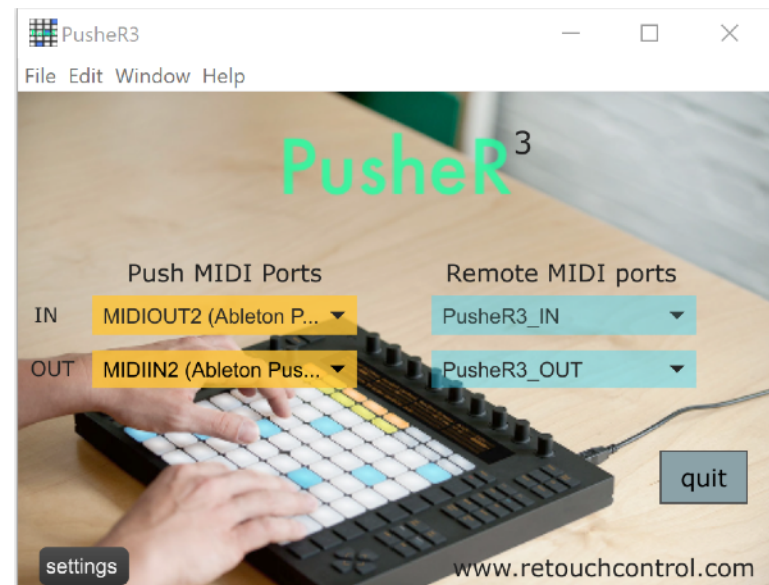
After launching the application, it should look like the images below.

MAC USERS: double click on the file called “Pusher3”. You might want to drag this file on the dock for faster launching in the future.

WINDOWS USERS: double click on the file named “Pusher3.exe”. You might want to drag and pin the Pusher icon to the taskbar.



PusheR app on Mac



PusheR app on Win

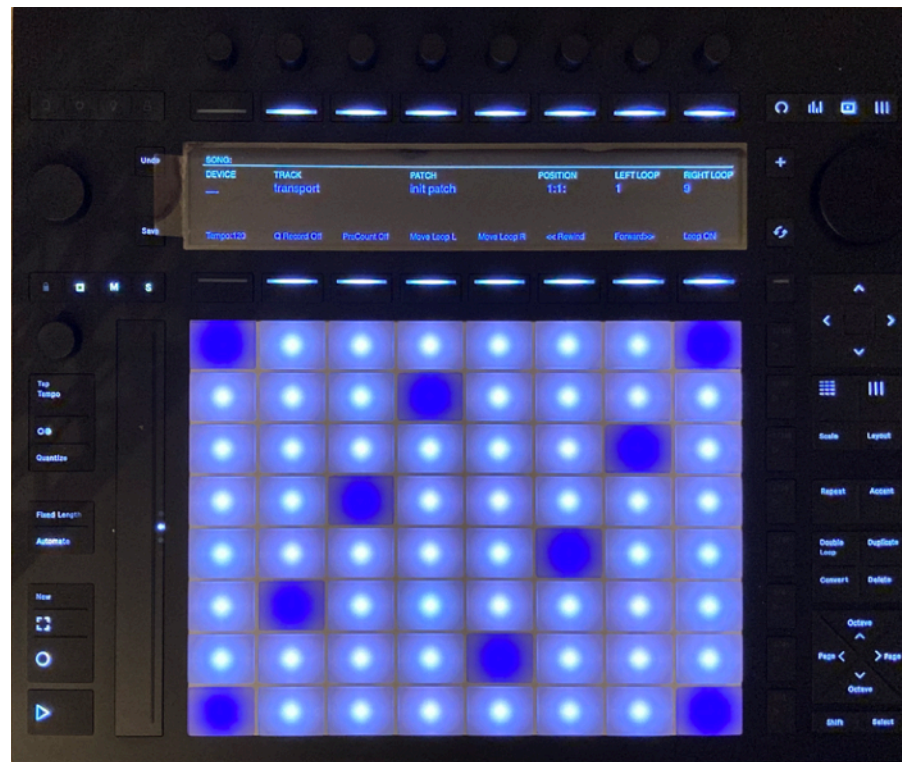
Please make sure that the app has the same ports settings as the ones shown above (the Windows pic shows the ports with LoopMIDI). In general, the PusheR app will set its ports according to the instructions included in a file called "Settings.json". You can find this file in the "Support" folder of the PusheR application folder. If you are on Mac, you can access this folder by right clicking on the PusheR app icon and then clicking on "Show Package Contents".

Initializing Push and the control surfaces

After you have successfully launched the “Pusher” app, your Push device will initialize to “User” Mode.

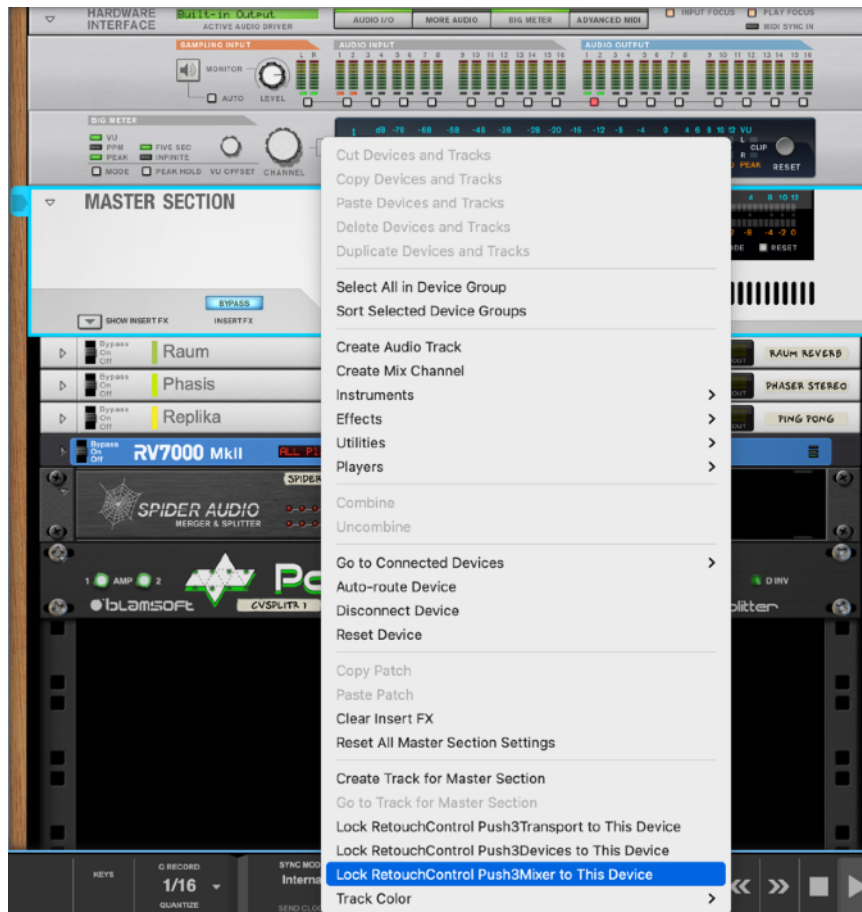
At this point, you can select one of the “Mode” buttons to activate the display. To learn more about the “Mode” buttons, please go to the next chapter.

To activate “Mix” mode, make sure to lock the “Push3Mixer” to the Master Section. This is shown on the next page.



Push after launching the Pusher app

Right click on the master section and from the context menu, choose “Lock RetouchControl PushMixer to This Device”. You can do this in the Rack or in the Mixer view, as shown below. If you save this setting in your template song, the locking will be remembered every time you create a new song.



Method 1: locking “Push2Mixer” to the master section in the rack



Method 2: locking “Push2Mixer” to the master section in the Mixer

A note on controlling devices

For more details on “Device Mode”, please go to the next chapter. In general, aside from the big mixer, you will be able to control any supported device, whether a native instrument, effect, Rack Extension or VST, by creating a sequencer track for it and giving it master keyboard focus, or by selecting it in the rack and making sure the device has “remote” focus, has shown below for Malstrom.



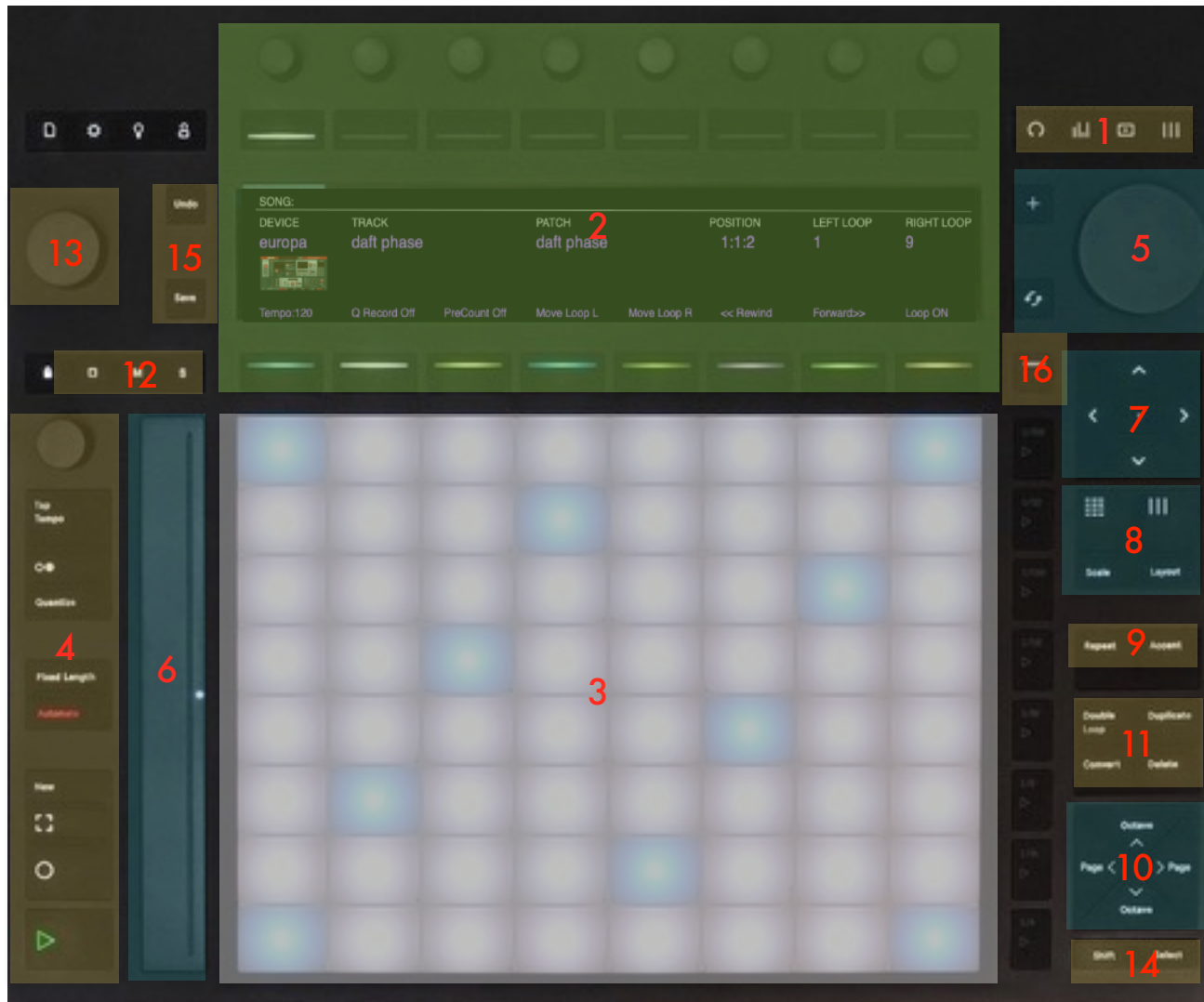
There might be times when you are playing an instrument, let's say Malstrom, and you would like to tweak the parameters of an attached effect device. Now, if you give keyboard focus to the effect device, you won't be able to play Subtractor, and if you give master keyboard focus to Subtractor, you won't be able to tweak the effect's parameters. There is a solution to this conundrum and it consists in selecting the effect device in the rack and giving it remote focus (blue highlight) while master keyboard focus in the sequencer remains on the instrument.

Quitting PusheR

In order to quit the application, use the “Quit” button on the application's main screen. This offers several advantages compared to quitting from the “File/Exit” menu or by clicking on the red cross of the application window. For one, it completely closes the app on your computer. Furthermore, it returns the Push hardware to a clean state before exiting. If you quit the application by any other means, the Push hardware will remain in the same state as right before you quit.

3. Functional Description

A. Overview



- 1 Control Mode select buttons
- 2 Encoder Group: function depends on Mode selected
- 3 Pads Matrix
- 4 Transport Controls
- 5 Add devices and patch navigation
- 6 Assignable touch strip
- 7 Cursor (up/down, left/right)
- 8 Note & Session mode, Scale and Layout selection
- 9 Repeat and Accent buttons
- 10 Octave up/down and Control pages navigation
- 11 Key-commands buttons
- 12 Mute and Solo buttons
- 13 Master/Device volume knob
- 14 Shift & Select buttons
- 15 Undo & Save buttons
- 16 Enable desktop mirroring

B. Track Mode (Encoder Group)

By pressing the “**Clip**” button, you access Track Mode. The top row of the display shows the name of current song. Below that, the type of device, the selected track and patch name on the left while the playhead position in bars:beats:16th, the Left and Right Loop locators position in bars on the right. The bottom line shows the song tempo in BPMs, Quantization and PreCount on and off, move the loop braces left or right, rewind and forward, and finally Loop on/off. The Encoder Group controls will function as described below.



1 **Clip** button: engages “Track” mode. If “Switch Views” is enabled in the Settings, it switches the Reason view to the Sequencer. Otherwise, press “Shift” and then “Clip” to switch view.

2 Changes the track selection

2(b) Change the track selection. Keep these buttons pressed to scroll thru the tracks

- 3** Changes the patch for the selected device
- 3(b)** Change the patch selection. Keep these buttons pressed to scroll thru the patches
- 4** Changes the playhead position in bars. If "SHIFT" is pressed, changes the playhead position in 16th steps.
- 5** Changes the Left Loop locator position in bars
- 6** Changes the Right Loop locator position in bars
- 7** (a) Sets the loop to the selected clip(s) and starts playing (b) Moves the playhead to the Left Loop Locator position (c) Moves the playhead to the Right Loop Locator position
- 8** (a) Turns quantization on/off (b) Turns PreCount on/off
- 9** (a) Moves the loop brace to the left by an entire loop length (b) Moves the loop brace to the right by an entire loop length
- 11** Turns the Loop On/Off

C. Device Mode (Encoder Group)

By pressing the **Device** button, you access Device Mode. The top row will show the selected device, track and patch names. The next two rows of the display will show the control names and values for the selected bank. The fourth row will show the name of the available banks of controls. The currently selected bank is highlighted. Each device can have up to 24 banks. You navigate between banks of 8 by pressing the **Next Page/Previous Page** buttons. The Encoder Group controls will function as described below.



- 1 Device** button: engages "Device" mode. If "Switch Views" is enabled in the Settings, it switches the Reason view to the Rack. Otherwise, press "Shift" and then the "Device" button to switch view to the Rack.
- 2** Each of the encoders changes the value of the device parameter shown below it. Press "Shift" while turning the encoders for finer adjustments.

3

Changes the master volume of the selected instrument at the device level (not the Mixer level!)

4

Each of the buttons selects the bank of controls shown above it

5

Each of the buttons changes the value of the same device parameter controlled by the encoder above it. They are useful when the device parameter is of type "button" like an on/off switch. If they are used for a parameter of "continuous" type, they will toggle it between its lowest and maximum values

6

Navigate between 3 banks of 8 control banks each, for a total of 24 banks. Simpler devices will only have a few banks of controls, while more complex devices like Thor or Kong will have all banks filled

D. Mix Modes (Encoder Group)

By pressing the **Mix** button, you access Mix Mode with its 4 submodes for Volume, Pan, Width and Channel Strip. These submodes are accessed by pressing the first 4 top left buttons.

D.1 Volume Submode:



1 **Mix** button: engages "Mix" mode. If "Switch Views" is enabled in the Settings, it switches the Reason view to the Mixer. Otherwise press "Shift" and then the "Mix" button to switch view to the Mixer.

2 Selects the "Volume" submode

3 Changes the Master Volume

4 Change the volume for the respective channel. Press "Shift" while rotating the encoders for finer adjustments

5 Each button mutes or solos the corresponding channel depending on whether "mute" or "solo" mode is enabled

6 The mute button engages "mute" mode, while the solo button engages "solo" mode. The two modes are exclusive. If "Shift" is pressed, the mute and solo buttons act as "clear all mutes" and "clear all solos" buttons respectively.

7 Change control by 8 channels at a time. If "Shift" is pressed, then they change control by 1 channel at a time.

D.2 Pan and Width Submodes:

By pressing the **button over "Pan"**, you access Pan Mode. The controls are the same as in "Volume" mode with the exception that now the encoders control the Mixer channels pans and not volumes. Pressing the **button over "Width"** changes the encoders to control channel widths.



D.3 Channel Strip Submode:

By pressing the **button over “Chan Strip”**, you access Chan Strip submode. In this submode, you will be able to control the entire channel strip for the selected Mixer channel. You select which channel is currently displayed by using the **Next Page/Prev Page** buttons (6). The top row of the display will show the name of the currently selected channel in **green**. The next two rows will show the names and values of the selected bank of controls. The last row will show the name of 8 available control banks. The Encoder Group controls will function as described below.



1 Engages Chan Strip mode

2 Each of the encoders changes the value of the device parameter shown below it

- 3 Changes the volume for the selected channel
- 4 Each of the buttons selects the bank of controls shown above it
- 5 If the "Inserts" bank is selected, (a) Goes to the previous insert fx patch, (b) Goes to the next insert fx patch, (c) Activates bypass for the insert fx
- 6 Change the currently selected channel. Each button press corresponds to moving the selection by one channel at a time. If "SHIFT" is pressed, the selection will move by 8 channels at a time.
- 7 **Mute** mutes the currently selected channel. **Solo** will solo it.

E. Master Mode (Encoder Group)

By pressing the **Master** button, you access Master Mode. In this mode, you will be able to control the mixer's Master Section, including the Bus Compression, Insert, Send and Return FXs. The controls are similar to the **Chan Strip** mode with the exception that Encoder 9 now controls the Master Volume. The **Next Page/Prev Page** buttons and the **Mute/Solo** buttons are not used in this mode.



1 Engages Master mode

2 Each of the encoders changes the value of the device parameter shown below it. Press "Shift" while rotating the encoders for finer adjustments



Changes the Master Volume



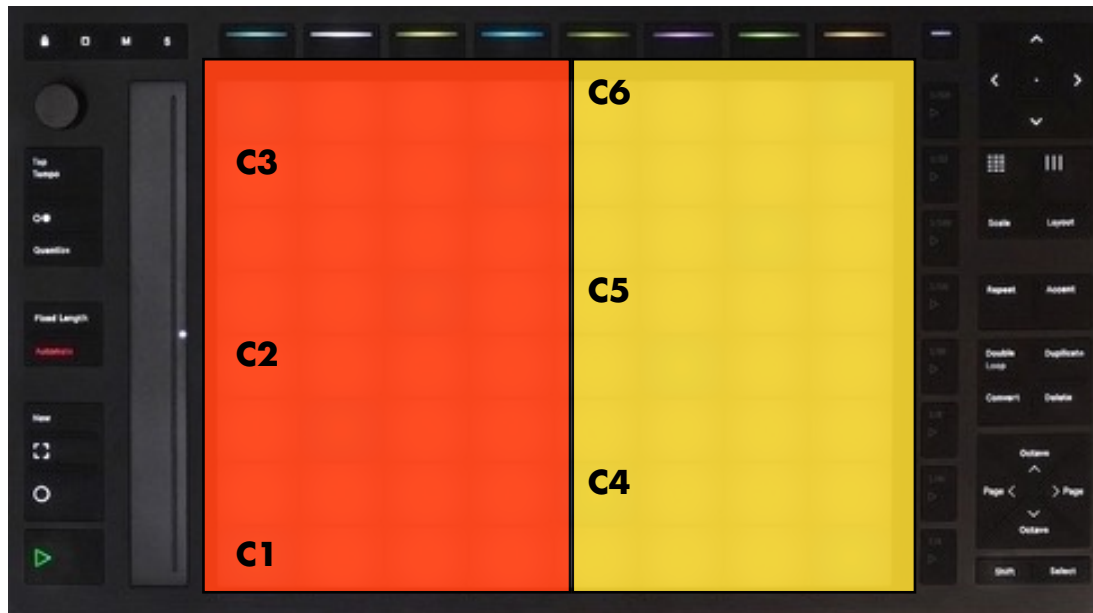
Each of the buttons selects the bank of controls shown above it

F. Note Modes (Pads Matrix)

The Matrix of pads on Push has two main modes: **Note** mode and **Session** mode. By pressing the **Note** button, you will access Note mode. Additionally, Note mode has 4 submodes which depend on the type of device selected. The 4 submodes are:

1. Kong submode
2. Redrum submode
3. Dr.OctoRex submode
4. Any other device
5. 64 Drum mode

The type of submode is selected automatically as you change the track selection. The 4th mode defaults to an isomorphic keyboard (see below for more info). However, by pressing "Select + Note" you can access 64 drum mode.



Press Select + Note for 64 drum mode

Kong submode

-
- The screenshot shows the Ableton Live software interface. The main window displays a 32-step MIDI piano roll. The piano roll is divided into three regions: a purple region labeled '1' (steps 1-8), an orange region labeled '2' (steps 9-16), and a purple region labeled '3' (steps 17-24). The piano roll is set to 4/4 time, and the tempo is 120 BPM. The interface includes a transport bar at the top, a mixer on the right, and a master track at the bottom.

Redrum submodule

1

Play the 10 drums in Redrum. They will light up in response to notes being played in the sequencer. If the **Mute** button is engaged, they will mute a pad if pressed. Similarly if the **Solo** button is engaged, the pads act like solo switches. If the **Select** button is pressed, hitting a pad will select its drum for editing. Also, it will select it for 16 velocity levels (see below)

2

Play the selected drum at 16 velocity levels. The pad at the lower left plays the softest velocity while the one at the top right plays the hardest velocity

3

Switch patterns 1 to 8 on the step sequencer starting with pattern 1 on the top left

4

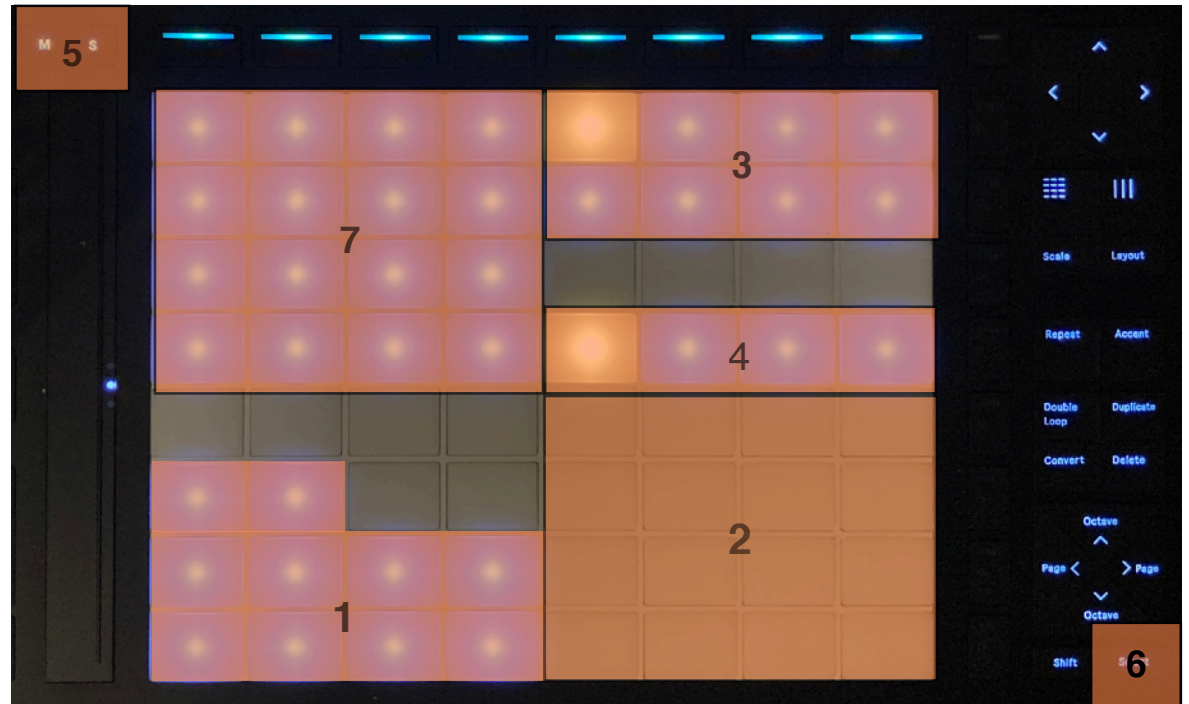
Switch patterns banks A thru D on the step sequencer starting with bank A on the left

5

If **Mute** is engaged, pressing a pad in (1) will mute it. If **Solo** is engaged, pressing a pad in (1) will solo it.

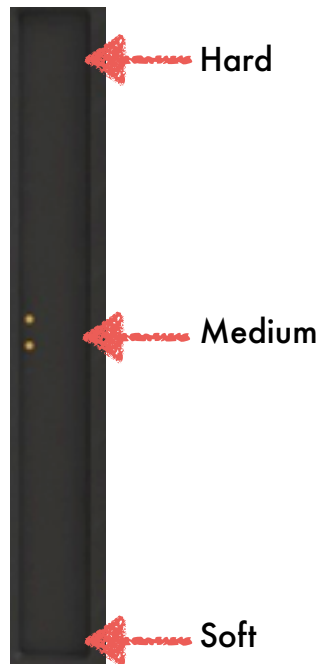
6

If **Select** is pressed, pressing a pad in (1) will select its drum for step sequencing (7) and it will assign the pad for 16 velocity levels (2)

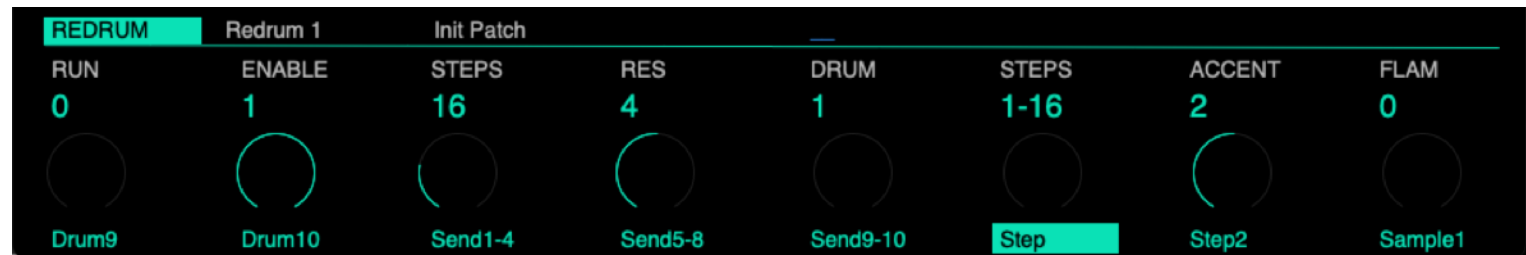


7

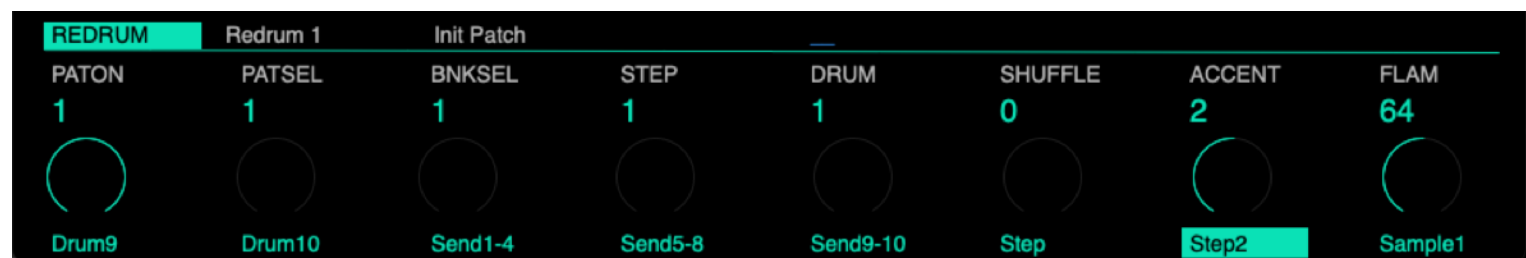
Step Sequencer quadrant: this is activated when the bank of controls is set to "Step" or "Step 2". If the sequencer is enabled, you will see a running light advancing from the lower left to the top right of the quadrant. You can edit 16 steps at a time for the selected drum (see 6 for how to select a drum). Which steps you are editing depends on where the "Edit Steps" control is set. You can edit steps 1-16, 17-32, 33-48 and 49-64. When entering a step, you can either choose to enter a "Hard", "Medium" or "Soft" accent. You can use the "Accent" knob to select the type of accent and then enter the step. A more intuitive way to accomplish the same thing is by using the touch strip on Push. If you keep your finger at the top of the strip, the step you enter will be "Hard". If you keep it at the bottom, it will be "Soft". If the strip is in the middle position, the accent will be "Medium".



accents using
the
touch strip



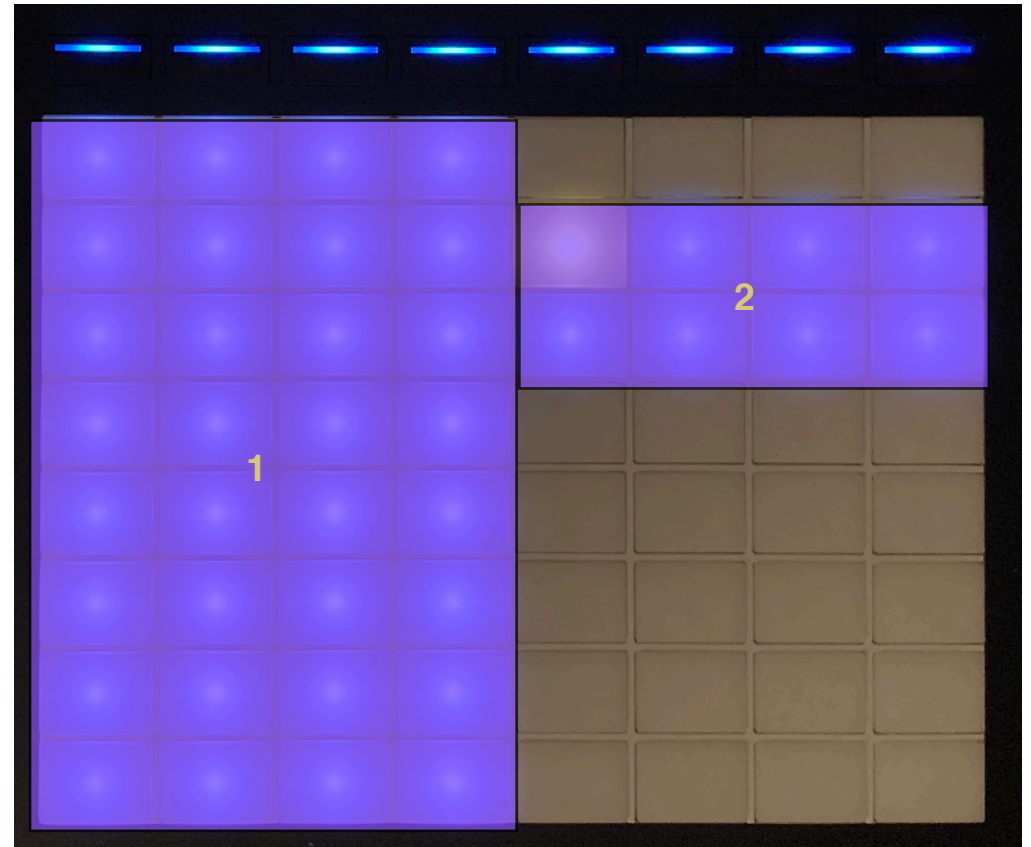
controls with "Step" as the active bank



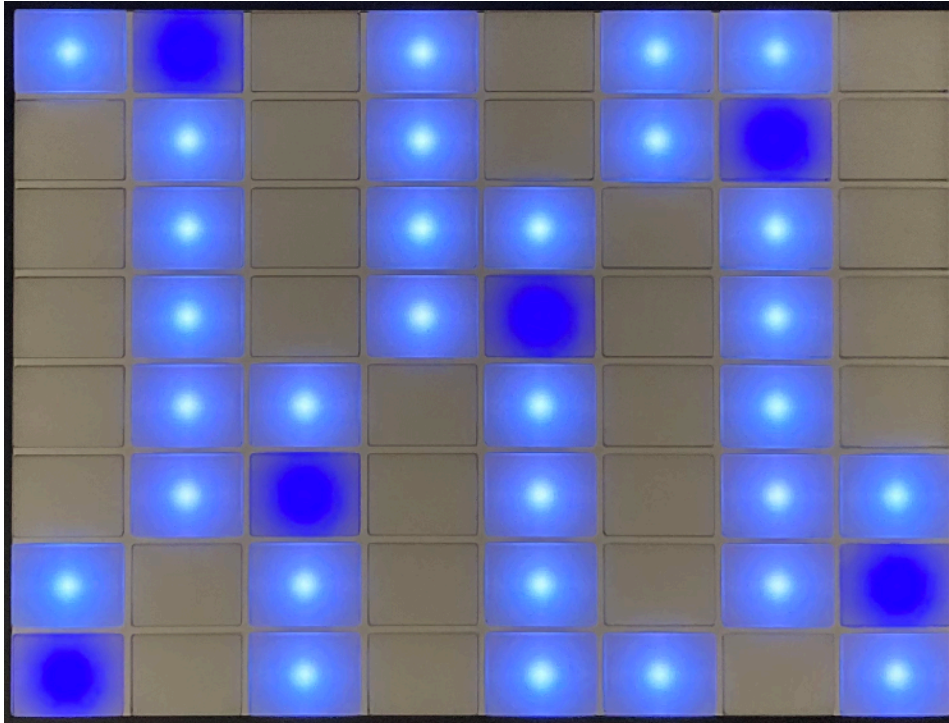
controls with "Step2" as the active bank

Dr.OctoRex Submode

- 1** Play the first 32 slices in the selected loop
- 2** Trigger the loop for the respective slot. The first pad from the top left corresponds to slot1 in Dr.OctoRex and so on. The loop will trigger based on the "TrigNext" setting
- 3** With the "Loop" bank selected, it selects which loop is being played in (1)
- 4** With the "Loop" bank selected, it selects the quantization level for triggering the next loop

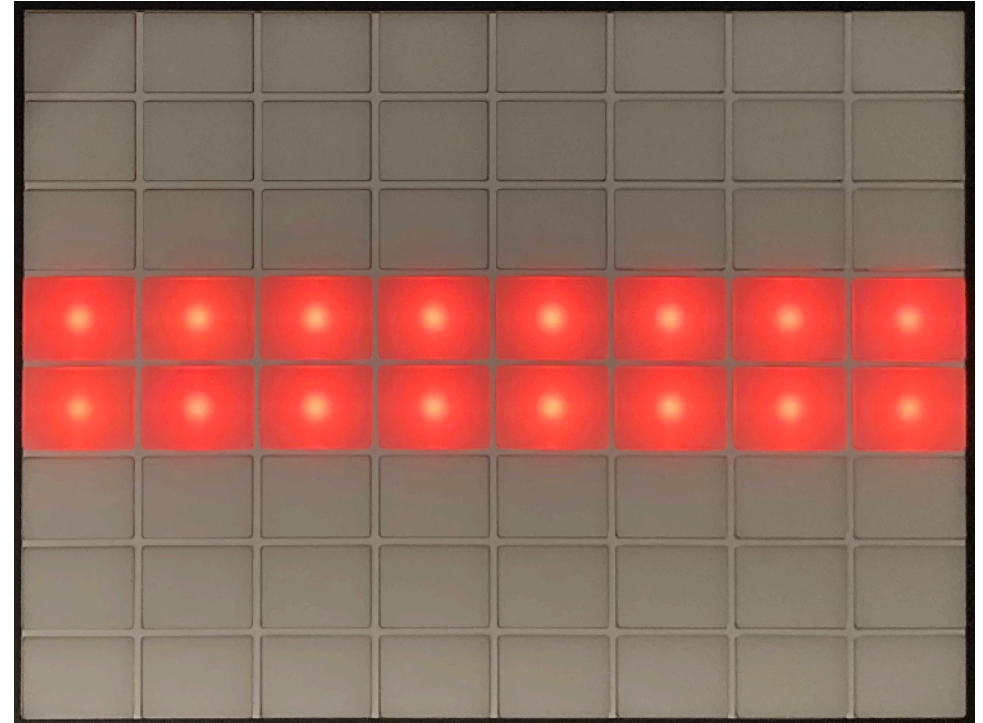


Generic Device Submode



1

Playing mode for synths, samplers, etc. The isomorphic layout can be changed by pressing the **Scale** button

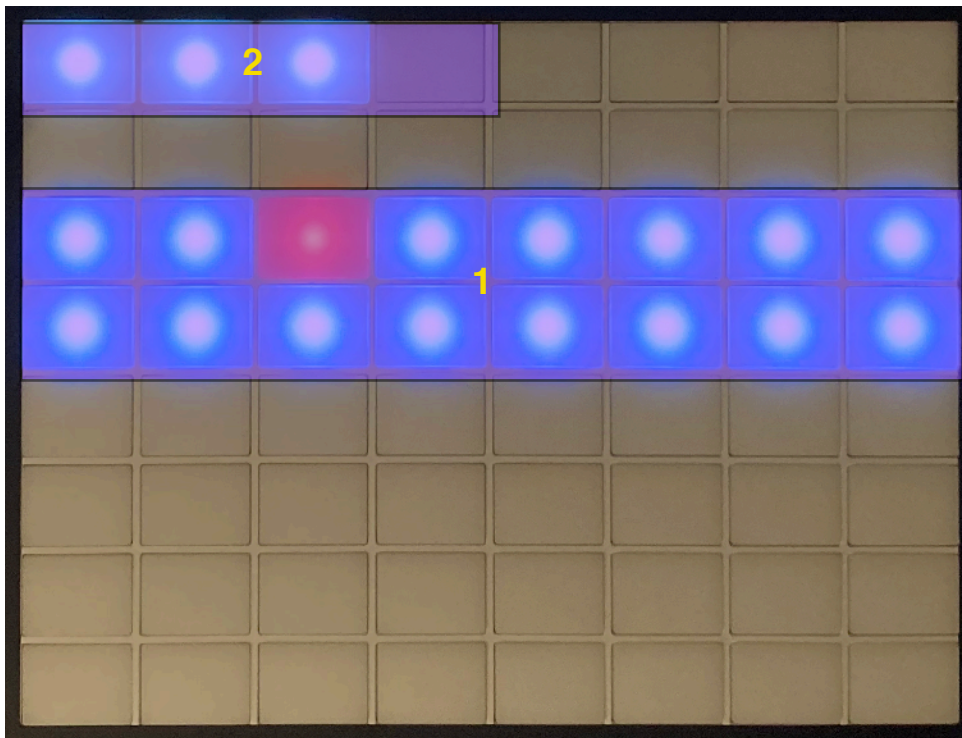




2

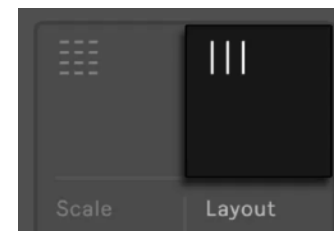
secondary Note mode accessed by pressing the "SHIFT" + **Note** buttons. It can be used to control the gates of the step sequencer in Thor and other devices, or access additional control banks in the *ppp* sampler (depends on the Remote mapping)

G. Session Mode (Matrix)

By pressing the **Session** button, you will access Session mode. This mode allows you to “navigate” your song by jumping from one song section to another. The middle two rows of pads represent 16 distinct “sections”, with the pad at the top left representing the first section in the song and the bottom right pad representing the last available section. The length of each section is equal to the length of the loop brace. *Please note, the loop brace has to be at least 2 bars long.* By pressing one of the 16 pads, you will force the playhead and the loop brace to move to the corresponding position in the song. The move is quantized to the bar and the current beat position is visually indicated by the top row of pads which illuminate after each beat. Please be aware that this mode works best with Reason in standalone mode.



-  Select the section of the song to jump to. The order is from the top pad on the left to the bottom pad on the right
-  Visual feedback showing the current playing beat



H. Scale & TouchStrip settings

By pressing the **Scale** button, you will access the Scale page where you can adjust the properties of the matrix note layout. Here you can set the type of scale and the key. Also, you will be able to choose between the “InKey” and the “Chromatic” modes. These modes are similar to the ones found when using Push with Ableton Live.



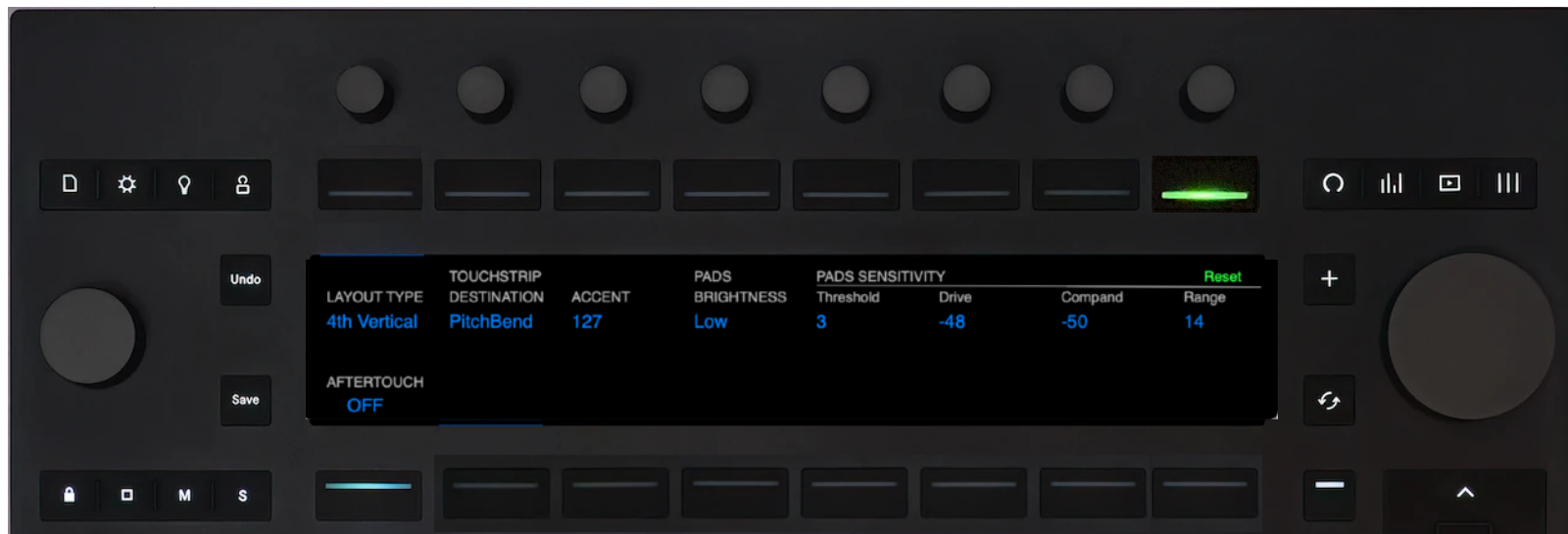
Scale Page

By pressing the "Layout" button, you will access additional settings. In particular, you can change the way the layout is built (4th's up, 4th's to the right, 3rd's up, 3rd's to the right) and you can also change to which parameter the TouchStrip is assigned. By default, the TouchStrip is assigned to "PitchBend" which means it will return to the middle position when the finger is lifted. But you can change it to "Linear" mode and assign it to other parameters like ModWheel, Expression or one of the 8 Encoders. For example, if you assign the TouchStrip to Encoder 1, then it will control whichever parameter is currently assigned to Encoder 1.

Quick Tip: to change the TouchStrip from PitchBend to ModWheel without accessing this page, press "Shift" and then press the TouchStrip (press it at the bottom so it starts at 0). Press "Shift" and press the TouchStrip again to return to PitchBend.

On this screen you will be able to change the **Accent** velocity by turning encoder 3. Additionally, the pads brightness for the isomorphic layout can be changed by turning encoder 4. Please note, the default brightness can be changed in the Settings Menu.

Furthermore, you can adjust the pads sensitivity and turn Aftertouch On or Off.



Press the Layout button to access additional controls

I. Transport controls

The controls on the left side of the Push are dedicated to transport functions. See below for more details.



1

Tempo: use this encoder to set the song tempo in BPMs. The tempo is incremented/decremented in 1BPM per turn

2

Tap Tempo: tap this button to tap in the tempo. If the display is in track mode, you will be able to see the tempo from the controller

3

Metronome: turns on/off the Metronome

4

Quantize: turns on the "Quantize during Recording" in Reason. If "SHIFT" is pressed, it will work as the quantize keycommand in the Sequencer so it can be used to quantize selected notes

5

Fixed Length: turn the Loop On/Off

6

Automate: turns On/Off automation recording for the selected track

7

New: creates a new **Alt** lane

8

Capture: creates a new **Dub** lane

9

Record: enables/disables recording. If "Shift" is pressed, it turns On/Off the "Pre Count In".

10

Play: this enables the Play button in Reason. If the song is playing, it works as a Stop button. If "SHIFT" is pressed and the transport is stopped, it will move the playhead to the start of the song

L. Key-commands

In addition to Remote controls, PusheR includes many key-commands. For these to work, the Reason window has to be on the foreground (i.e. clicked on). There is a dedicated page of key-commands which is accessed by pressing the "Convert" button. See below for more details.



Add: opens/closes a new display view with several key-commands.



Instrument: opens the instruments browser. You can navigate through the device list with the cursor **^** and **v** buttons. Pressing the **>** cursor button can be used to open folders.

Effect: opens the FX browser. You can navigate through the FX list with the cursor **^** and **v** buttons

Mix Chan: creates a new mixer channel

Audio Track: creates a new audio track

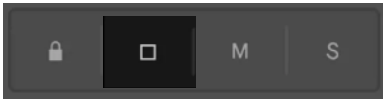
Import Audio: opens the browser to navigate the files system

New Bus: creates a new mixer channel output bus

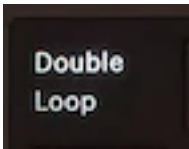
Browser: opens/closes the browser.



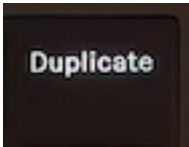
Cursor: functions as the Up/Down and Left/Right arrow keys on the computer keyboard. Use these buttons to navigate the instrument and patch browser, or to select clips or notes in the sequencer. Keeping the buttons pressed will trigger them at a steady rate. If "SHIFT" is pressed, the Up/Down buttons change the patch for the currently selected device, and the Left/Right buttons navigate through the tracks in the sequencer. If you press the center button, it executes the "Enter" key-command. You can use it to add instruments or fx's when selected in the browser.



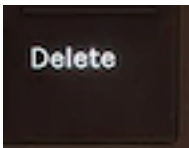
Stop: functions as a "Cancel" button. Use this when you want to close the browser without making a selection.



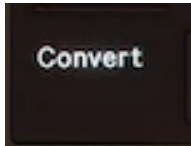
Double Loop: executes the "Z" key-command to zoom into the currently selected clip(s)



Duplicate: executes the "Ctrl/Cmd + D" key-command to duplicate the selection



Delete: this works as a Delete button. Use it with care!



Convert: opens the key commands page. Access additional key-commands by pressing the **Next** Page button



First key-commands screen



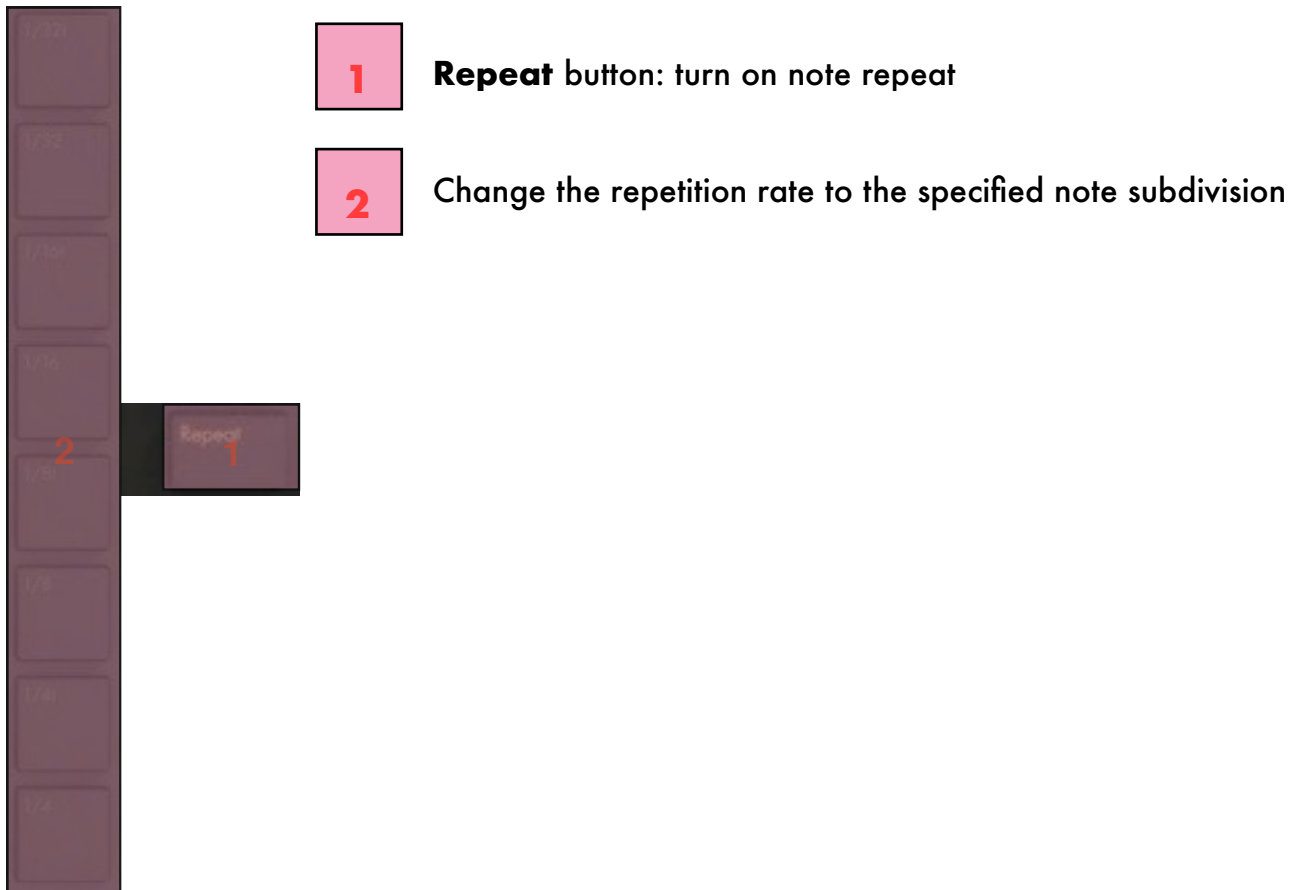
Second key-commands screen

Pusher - Getting Started Guide

M. Note Repeat and Accent

The note repeat in PusheR functions just like the one in Live. You engage the **Repeat** button and then select the desired repetition rate. You can use the note repeat in all the matrix submodes, i.e. Kong, Redrum, Dr.Octorex, etc.

When you press on a pad with **Repeat** on, the velocity of the repeats will vary depending on how soft or hard you press. This acts polyphonically for the Kong, Redrum and Dr.Octorex submodes, that is, if you press on more than one pad at a time, each will send its aftertouch independently of the others. The repeat rates are automatically tempo-synced to the song tempo in Reason.





By pressing the **Accent** button, the pads velocity will be fixed to a defined level. By default, this is set to full velocity (127). However, you can change this to any value you like. In order to do so, press the **Layout button**. Adjust the current accent velocity by turning encoder 7.

N. AfterTouch, Sustain Pedal, Expression

The type of aftertouch transmitted by the pads depends on the layout mode. For Kong, Redrum and Dr.Octorex, the pads will transmit poly pressure, i.e. each pad transmits its own aftertouch value. This makes it possible to record dynamic takes for each pad separately when the note repeat is engaged. For synths, samplers and other devices, the pads will transmit channel pressure, i.e. the aftertouch for the last note played. You can turn off After Touch in the Layout settings.

If you have a sustain pedal, you should plug it into the first slot in the back of the Push hardware. Similarly, if you have an expression pedal, this should be plugged into the second slot in the back of the Push hardware.

O. The Jog Wheel and Screen Mirroring

The Jog Wheel has two primary functions. The first is to browse patches for the selected device or FX. The second is to move the portion of the screen captures when mirroring the computer screen on the Push display.

Please note! Browsing patches takes precedence over moving the screen capture. So if desktop mirroring is enabled and the "Browse" button is engaged, the jog wheel will change the patches and not move the screen capture!

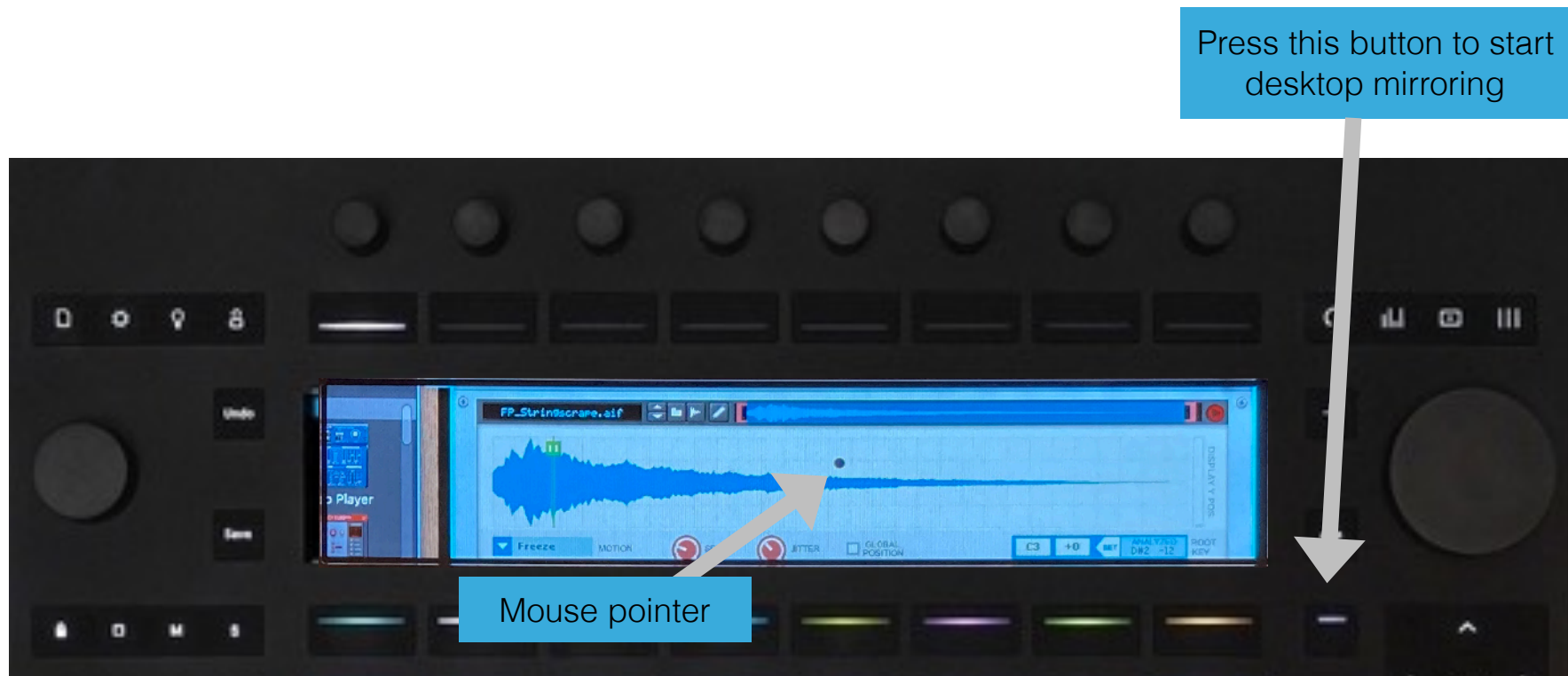
To change patches for the selected Instrument or FX, press the "Browse" button and turn the Jog Wheel left or right.

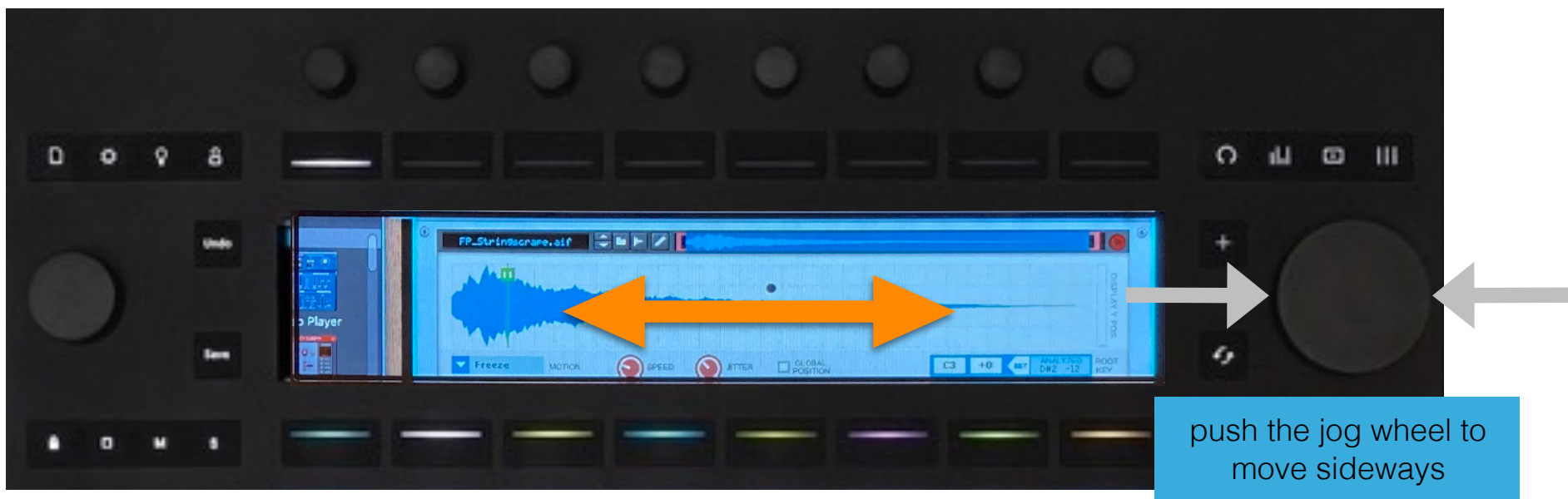


It is possible to display sections of the computer screen directly on the Push. More precisely, the Push can show a subsection of the computer screen of dimensions of 960 x 160. To move around the full computer screen, you can use the jog wheel. Furthermore, it's possible to superimpose the desktop and the PusheR view on top of each other and you can adjust the amount of transparency.

All these functions are explained in the pictograms below. Please note, as you move the section of the computer screen which is captured, the mouse pointer moves as well, and it is shown as a round dot.

IMPORTANT: if you are on Mac, the first time you enable desktop mirroring, the OS is going to issue a warning asking you to give permission to the PusheR application to capture the screen. See the Appendix for instructions on how to grant the app permission to capture the computer screen.



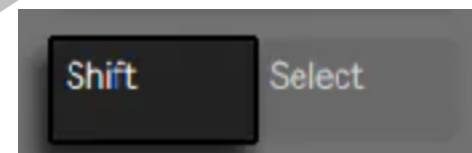




push down the jog wheel
to move sideways



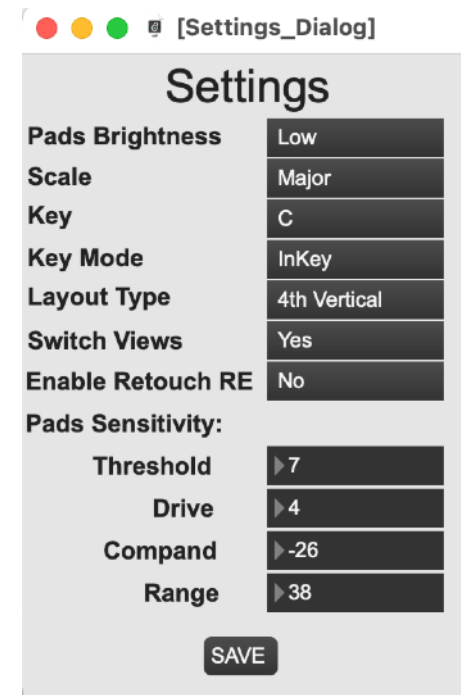
press Shift and rotate the
jog wheel to adjust the
transparency



4. Settings

The PusheR app contains a “Settings” window which can be used to set up user’s preferences. Press on the “settings” grey button on the lower left corner of the PusheR app to open the window. From here, you will be able to change various configurations on start-up, like the pads brightness, the scale and key for the isomorphic keyboard, etc.

Once you have made your selections, press “Save” and the next time the app launches it will start using your preferences.



Settings window

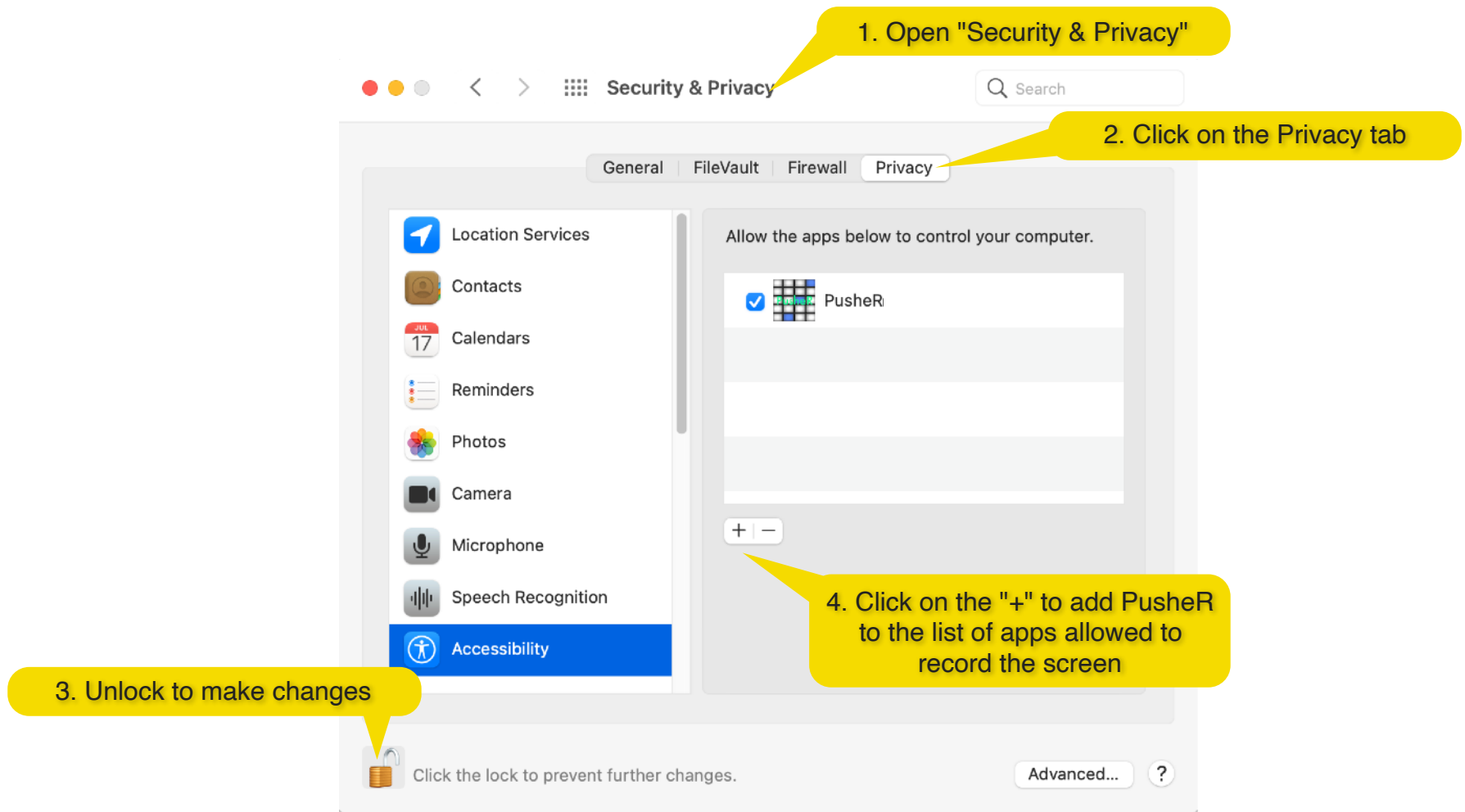
Appendix A - Buttons Function



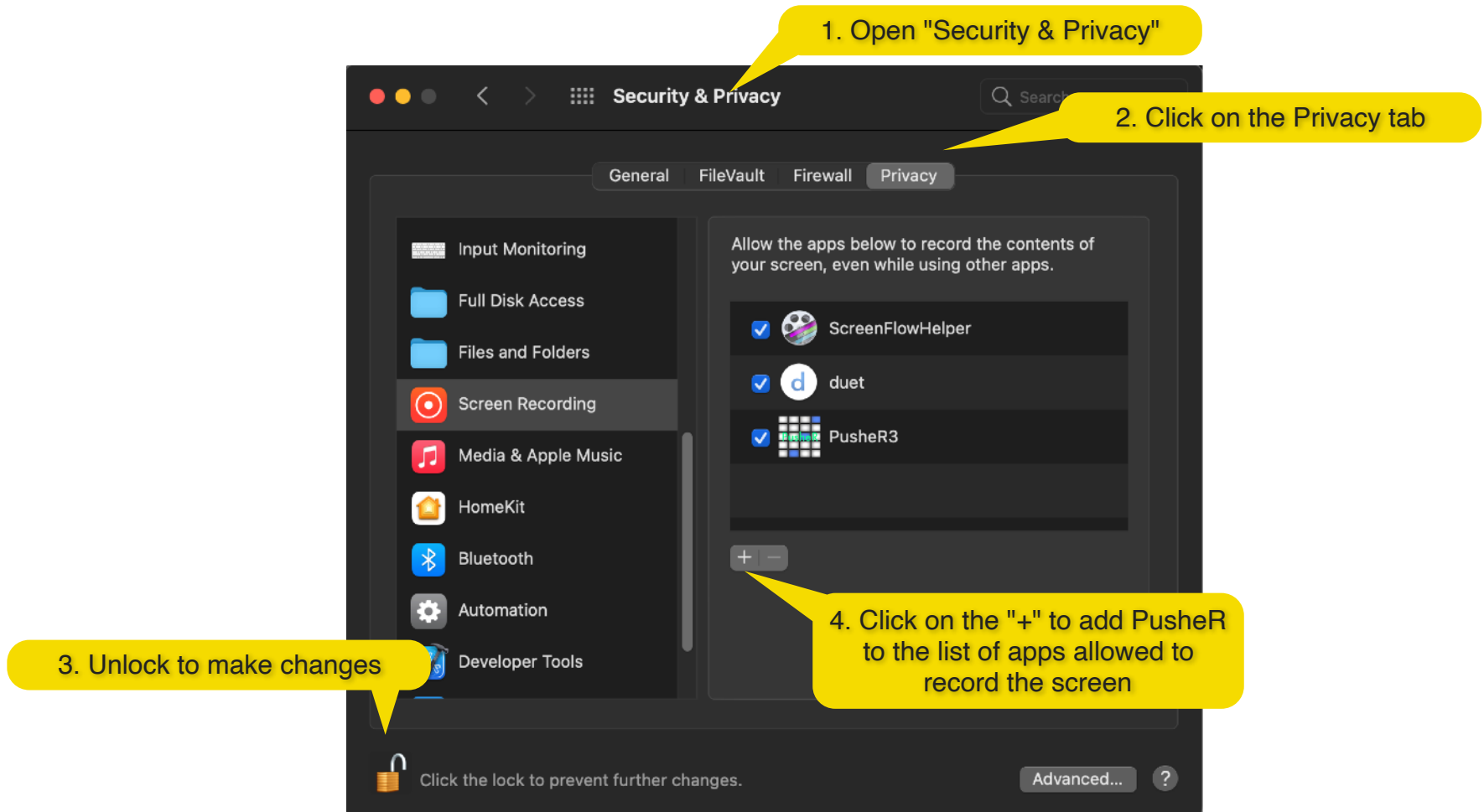


Appendix B - Permissions on Mac

On Mac, users need to give the PusheR app permission to issue key commands and to capture the screen for desktop mirroring. This is done by opening "System Preferences", and then "Security & Privacy".



Grant permission for the key commands

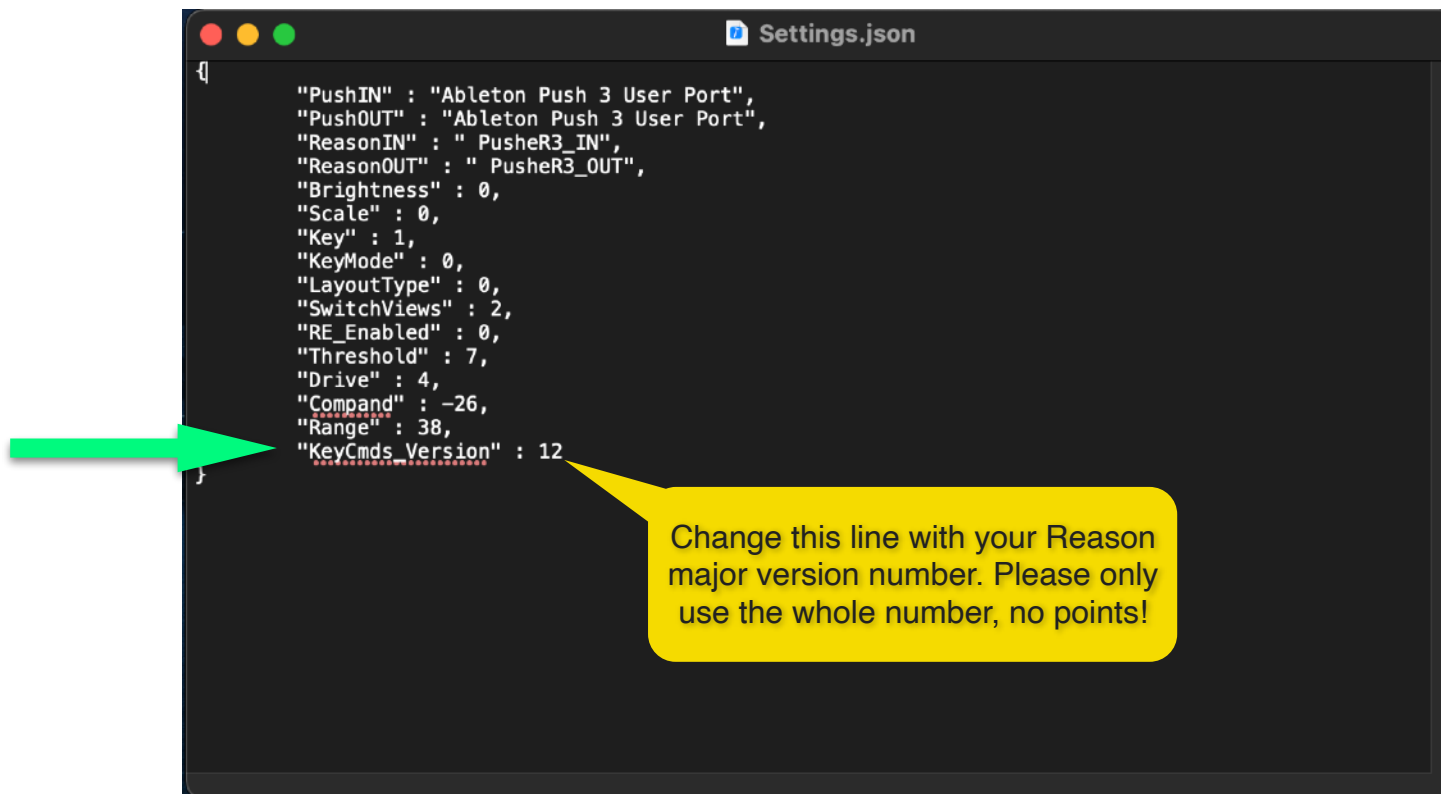


Grant permission to capture the screen for desktop mirroring

Appendix C - Key Commands version

If you are using a version newer than Reason 12, then you need to modify the app settings in order to have compatible key commands. Specifically, you need to modify the "Settings.json" file which can be opened inside any text editor, for example TextEdit on Mac, or NotePad on Windows. The example below shows which line to modify. If you have Reason 13.0.1, just use the major version number, that is 13, and do not include the point version number.

Please make sure NOT to change the file extension and keep it as "json" when saving the file.



You can find the Settings.json file inside the support files for the PusheR application:

- on Mac, choose the PusheR3 app, then right click on the application icon and choose "Show Package Contents". Then open the "Contents" folder and then open "Resources"
- on Windows, open the PusheR3 folder, then "resources" and then "support"