



Using Panorama with PreSonus Studio One 4 (or higher)

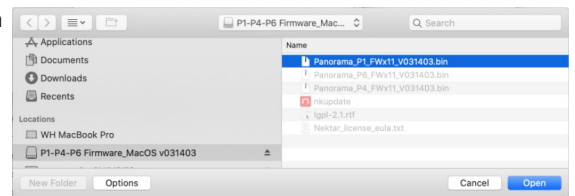
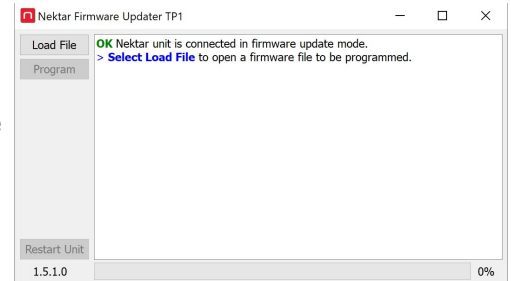
Applicable to
Panorama P1, P4 & P6

Studio One Integration Setup and Configuration

The Panorama Studio One 4 Integration is compatible with Studio One 4 or higher and does not work with any lower versions.

Panorama P-series Firmware Update

1. Connect Panorama P-series to your computer via USB.
2. With Panorama P-series switched off, press and hold [Toggle/View]+[Mixer] while switching the unit on (P1 needs to be plugged in while holding the buttons). The display will be white when the unit is in firmware update mode.
3. Locate the dmg file named "Firmware P1-P4-P6 MacOS 10_11 or higher" in the downloaded package this guide came with, and double-click to open.
4. Launch the nkupdate application. Once launched, it should look like the top image.
If the "Load File" button is grayed out, close nkupdate and launch it again.
5. Follow the nkupdate on-screen instructions to load and update Panorama P-series firmware. The firmware location can be selected after clicking the [Load File] button.
6. On the left side of the file browser window, select Location 'P1-P4-P6 Firmware_MacOS'. Next select the file for your device, and click 'Open'.
7. Click [Program] and finally close the nkupdate app when complete.
8. **IMPORTANT:** Reset Panorama to it's default settings (note this will erase any internal preset or map settings *) by switching the unit off and press [patch-]+[Patch+] while powering on again. Keep holding the buttons until you see the fader display.
On P1, press the [Cycle]+[Record] buttons and then press the [Patch-] + [Patch+] buttons within the 2 seconds countdown.



* **Reset Panorama to default settings:** If you want to keep your user memory banks; please do a [backup](#), and restore after resetting.

Studio One Integration Installation

Here are the steps you need to go through to get Studio One up and running with your Panorama:

1. First make sure Studio One 4 is installed on your computer
2. Locate the Panorama_PreSonus_Support Installer in the zip file you downloaded with this guide. Run it and follow the onscreen instructions until complete
3. With installation complete, make sure your Panorama is connected to your computer.
4. Launch Studio One. Panorama should automatically be detected by Studio One.

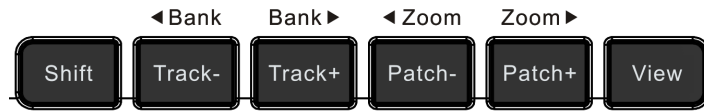
That's it! Panorama and Studio One 4 are now connected.

Important note for existing users: If your Panorama was set up as a generic MIDI controller for Studio One as described on [this page](#), make sure the 'Nektar Technology' folder is removed from your system.

Navigation & Transport

The following pages focus on how Studio One and Panorama P1, P4 & P6 work together. If you have been using Studio One for a while, you may not need any additional information but it's always a good idea to revisit Studio One's extensive documentation to remind yourself, how Studio One's functions work.

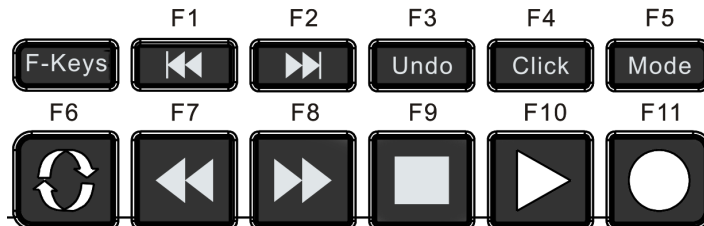
Navigation



The six navigation buttons allow you to navigate important parts of Studio One at any time. Here is what they do:

- Track - / +:** In Mixer mode press [Track-] to go to the previous channel and [Track+] to go to the next channel. This is the same as using the left/right arrow keys on your computer keyboard.
- In Instrument mode press [Track-] to go to the previous track and [Track+] to go to the next track in the arranger. This is the same as using the up/down arrow keys on your computer keyboard. The track buttons in Instrument mode step through every track in your song, regardless of whether the track has an associated mixer channel or not.
- Patch - / +:** Changes the patch of the instrument device assigned to the current sequencer track
- View:** Open/close instrument and plugin windows.
- Bank < >:** Shifts the current selection of eight mixer channels in Mixer mode so the fader group assignments are changed from channels 1-8 to channels 9-16, for example. Hold [Shift] and press one of the [Track -/+] buttons to view an adjacent bank of channels.
- Zoom < >:** Controls the horizontal zoom in Studio One when the sequencer window is in view. Hold [Shift] and press one of the [Patch - / +] buttons to zoom in and out on the sequencer window.

Transport Buttons

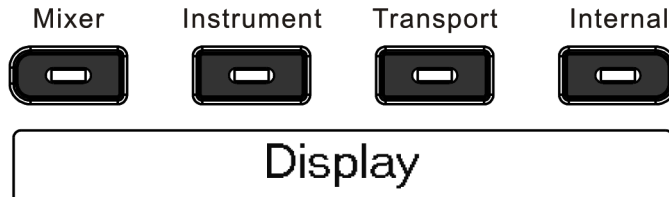


The transport buttons allows you to activate or deactivate important transport functions as listed in the table below. As with the navigation buttons, these are available in any mode, at any time.

Key Combination	Description
[F-Keys]	Press and hold this button to use the transport buttons as F-keys.
[Left Arrow]	Goto loop start
[Right Arrow]	Goto loop end
[Shift]+ [Left Arrow] / [Right Arrow]	Moves the loop back or forward respectively
[Undo]	Undo in Studio One
[Shift]+[Undo]	Redo in Studio One
[Click]	Switch the metronome/click on or off
[Shift]+[Click]	Toggle Count-in on or off.
[Mode]	Toggle overdub/replace
[Loop]	Switch the loop between the Left and Right locators on/off
[Rewind]	Activate Rewind. Hold for continuous rewind and release to stop
[Forward]	Activate Forward. Hold for continuous forward and release to stop
[Shift]+[Rewind / [Forward]	Sets the loop left and right points respectively to the current SSP position
[Stop]	Stop playback. Press again to goto last play point. Press again to goto start
[Play]	Activate play
[Record]	Activate record. Press again to deactivate record but continue play
[Shift]+[Record]	Toggle autoPunch on-off

The Four Mode Buttons

Each of the Mode navigation buttons will configure Panorama to control different aspects of Studio One. It's like having four control surfaces in one:



- Mixer:** Assigns all controls to the Studio One mixer
- Instrument :** Assigns controls to Studio One native or plugin instruments.
- Transport :** Controls functions in the Studio One transport including current song position, loops and markers.
- Internal:** Uses Panorama's internal MIDI controller functions so you can jump out of our dedicated Studio One protocol and use Panorama as a traditional MIDI controller

Wherever you are in Panorama's menu structure, pressing one of the Mode buttons will jump to that mode. The last menu you accessed in each mode is remembered, so pressing the Mode button once, from any other mode, will take you back to the remembered menu; pressing it twice will take you to that mode's home page.

What the Display Tells You

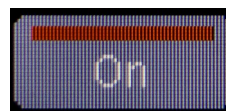
The display Info-Bar is the top Red/Gray/Red area and provides the following status information for each of the three Studio One mode home pages:

Channel Name	Mixer Channel No	Instrument Name
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Display Buttons

The five display buttons are used to navigate menus or activate functions. On most pages there will be labels above one or more of these buttons in the display.

If a button is used to control a parameter you will see a line above that's either white or red to indicate the current status of the button. The image on the right shows you an example where a parameters status is "On".



Buttons with no indicator line above, are used for navigation which means assignments will change when they are pressed. A selected navigation button is red.

To exit any page, press a Mode button and navigate to whatever page you would like to edit next.

Studio One Mixer Control

To control the Studio One's mixer, press the [Mixer] button (default). The button's LED is illuminated while the mode is selected and the Studio One mixer is controlled. Press [Mixer] at any time to go back to the Mixer home page.

In the Panorama display, channel names for the current bank of 8 channels are listed and the currently selected track is reversed.

Open/Close the Studio One Mixer Window

Press [Mixer] to open/close the Studio One mixer window. Panorama continues to control the mixer parameters even when the mixer in Studio One is not in view.

8 Channel Mixing with Volume, Pan, Sends 1-8

With mixer mode active, moving faders 1-8 will control the first 8 mixer channels in the Studio One mixer. For each of the 8 channels, the track name is listed in the display and volume changes are displayed as you move a fader.

- Fader 9 controls Main volume
- The row of 8 encoders above the faders control pan for each of the corresponding channels.
- Press [Toggle/View] to change assignments for the 8 encoder row, from Pan to Send 1. Press again to assign to Send 2 etc. Press and hold [Toggle/View] then move the [Data Encoder] to scroll through the options.

Mute & Solo

Fader buttons 1-8 control are by default assigned to select channels/tracks within the current bank.

Pressing the [Toggle/Mute] button below fader 9, toggles through the below assignments. Press and hold [Toggle/Mute] then move the [Data Encoder] to scroll through the options.

- Select (Default)
- Mute
- Solo
- Record Arm

Bank Over (1-8), (9-16) etc.

If a song contains more than 8 mixer channels you can bank over so the faders 1-8 control the next group of 8 channels.

To do this, press [Shift]+[Bank>] (the button also labeled Track-). The faders, encoders and fader buttons are now assigned to control channels 9-16. Push the same key combination again to control 17-24 etc.

To go back you press [Shift]+[<Bank].

Zoom

Press [Shift]+[Zoom>] (the button also labeled Patch+) to horizontally zoom in on Studio One's arrangement page, edit page and other pages that can be zoomed. Press [Shift]+[<Zoom] to horizontally zoom back out.

Channel Sends

Pressing the display button labeled [Sends] assigns the 2x4 encoders to control up to 8 active sends for the currently selected channel. The send destination label is displayed for each active encoder. If there are no sends to control, you'll need to set them up first in Studio One.

Press [Mixer], [Inserts] or [Macro] to exit.

Inserts

Press [Inserts] to control Studio One's insert plugins. First Panorama displays a list of plugins inserted on the currently selected track. Use the [Prev] / [Next] display buttons to step through the options and press [Open] to control a plugin. Most of Studio One's own plugins are already mapped but mapping can be customized or created from scratch for 3rd party plugins. Here's how:

- Press or move the controls on Panorama that you want to assign a parameter to
- Move the parameter in the plugin GUI using the mouse.
- Right-click using the mouse and select 'Assign' from the popup menu.

The display now updates and show the assigned parameter. Any of the 2x4 encoders as well as the first 4 display buttons can be mapped to control plugin parameters

Press [Mixer] to exit.

Hint: Press and hold [Prev] or [Next] buttons while moving the [Data encoder] to scroll through the insert slots for quicker selection.

Macro

The display button labelled [Macro] assigns the 8 encoders to control Studio One's Channel Macro's 1-8 for the currently selected channel.

If parameters are already assigned to a macro, the name will be displayed for each encoder. If parameters are not assigned or you'd like to create your own mapping do the following:

- Hold [Shift] while moving or pressing a control, then click on or move the parameter it should control.
- Release [Shift].

The assigned parameter is now displayed in the Panorama T4/T6 display and ready for control. Keep going until you have assigned the parameters you need. Panorama can control the macro's of whichever plugin is in focus, including instruments.

Press [Mixer], [Sends] or [Inserts] to exit.

Write

The 5th display button is labeled [Write] and activates the Studio One write automation mode for the selected channel/track. [Write] toggles Studio One automation mode between "Latch" and "Read". Hold [Shift] and press [Write] to set automation OFF. With "Latch" active, controller movements are recorded during playback.

Soft Take-Over

As you control different parts of Studio One with the same fader controls, you would normally experience parameter jumping. This is what happens when a fader's physical position, is not the same as the position of the parameter you are controlling. To avoid parameter jumping your Panorama is equipped with Soft Take-Over. Therefore, if a control is not in sync with a parameter, moving the control will not cause a change, until it's position matches the value of the parameter.

Click -> Control Parameter

The Data Encoder can control and automate Studio One parameters in the window currently in focus. The selected parameter is seen in the top left display above the Arranger. Clicking the downward arrow ("recent parameters") presents two options:

- Recently Touched - Clicking a parameter in the mix console or floating window selects it for automation
- Mouse Over - Hovering over a parameter in the mix console or floating window selects it for automation. (Studio One plugins only).

To control the selected parameter using [Data Encoder]:

1. Click with the mouse on a parameter in Studio One.
2. Move [Data Encoder] and you should now be controlling the selected parameter.
3. Repeat steps 2 and 3 to control any other parameter in the current window.
4. [Data Encoder] remains active until you deselect the button again.

Motorized Fader (applicable to P4/P6 only)

If your Panorama is equipped with a Motorized fader, you may already have noticed that the fader follows the currently selected track. When you make track changes, the fader will jump to the volume position of the track in Studio One and you can simply change it at any time by just moving the fader. Try setting the volume of a few tracks to different settings and notice how the fader will jump to the right position every time you select a new track.

You also have Mute and Solo buttons with LED indicators that show if they are active for the current track. Try pressing the mute button for a track and notice now that when you change track, not only does the motorized fader update but also the status of the mute (and solo) button.

Pressing the [Fader] button switches control to the currently selected parameter in Studio One. Click on a parameter and control it using the fader. Great for automation updates.

Press the [Fader] again to switch it back to current channel volume control.

Open the Instrument Window

Select a track hosting an instrument and press the [Instrument] button to open the instrument editor with the selected track's instrument in focus (you can only control a plugin if its window is in focus).

Pressing the [View] button closes the instrument editor and all floating windows. Press again to reopen.

Press [Shift]+[View] to close/open only the instrument window.

Note: Make sure the active control surface is selected in the top right corner of the instrument window's header bar. It's yellow, when in focus (clicking on the label "Panorama" allows you to activate/toggle focus).

Controlling Studio One's Included Instruments

In Instrument mode, Panorama automatically map parameters for the Studio One instrument associated with the track you are currently on. There are no parameters to control if no instrument is present.

Start by inserting a plugin on a track in Studio One such as Mojito. Your Panorama maps the instruments parameters and assignments are visible in the display.

- Parameter assignments for the 8 encoders are displayed in the main part of the display. Moving a control will update the top of the display.
- The faders are typically assigned to control envelopes. Press [Toggle/View] to view their assignments and press one more time to view the encoder assignments again.

Learn Plugin Parameters to Panorama Controls

Mapping can be created for any VST/VST3/AU or Studio One plugin, using Studio One's parameter learn feature.

- In Studio One, make sure the instrument window is open and the correct instrument tab is selected.
- Make sure Panorama is the selected control surface (it should be by default). Press [Instrument] on .
- Move one of the rotary controls on Panorama .
- In Studio One, move the parameter of the instrument you want mapped to the control you moved.
- On Panorama , press the display button [LEARN].
- The parameter is now assigned to Panorama 's control and the display updated accordingly.

Repeat the steps above until you are done. Mapped parameters are automatically recalled every time a mapped plugin is in focus. Insert plugins can also be mapped and controlled when they are in focus, using the same method.

Note: Move an assigned control on Panorama and press [LEARN] to clear it. You can now make a new assignment or press [Learn] again to recall the cleared parameter.

Quick-learn

Once you get the hang of how parameter learn works with Studio one, the quick-learn features makes parameter assignments even easier.

- Hold [Shift] while moving or pressing a control, then click on or move the parameter it should control.
- Release [Shift]

Changing Patches

You can use the [Patch-] and [Patch+] buttons to select previous or next patch in Studio One's browser. Try it with Studio One's native instruments.

Instrument Mode with Studio One 5 Perform Mode

Instrument mode is able to control the current Performance arrangement when Studio One's Perform mode is active. You can assign any of the controls to performance parameters. See the Studio One 5 documentation for details. Fader 9 is not assigned in Perform Mode.

Nektarine Setup, Control & Navigation

Nektarine is a Nektar plugin that allows extensive control of VST, VST3 and AU instrument plugins. It also features a browser so you can find sounds from your Panorama P1/P4/P6 without using the mouse. It works great alongside the Nektar DAW Integration for Studio One but can also be used in any other VST/AU host which means you get the same control and browsing experience of your instrument plugins.

Getting Up and Running

1. If you haven't downloaded and installed Nektarine already, start by logging in to www.nektartech.com and download it from the 'My Account' tab.
2. Once installed, make sure to rescan plugins in Studio One's Preferences menu so Nektarine is seen. In Windows the install path is: C:\Program Files\Steinberg\VSTPlugins.
3. Create an instrument track in Studio One and select Nektarine as the hosted plugin.
4. Open Nektarine and learn more about how to set it up, from the [link](#) in the Nektarine 'Help' tab.

You'll need to at least complete plugin scanning in the Settings page.

First Steps with Studio One and Nektarine

You Panorama P1/P4/P6 seamlessly detects when it should control Studio One and when it should control Nektarine. As a user, you can't really tell the difference for the most part and that's how we like it.

- Assuming you have created an instrument track hosting Nektarine, make sure to load a plugin in Nektarine, following the steps on the help page.
- Next create an instrument track hosting one of Studio One's own instruments.
- Use the Track +/- buttons to navigate between them with [Instrument] mode active. Panorama P1/P4/P6 should correctly switch between the control of the two plugins. This may seem obvious, but most similar systems don't do that.

Control & Page Navigation

The first control page selected when [Instrument] is first pressed, is the Home page. You can get back to it any time by pressing [Instrument]. The home page contains assignments for the most commonly used parameters.

- The faders are for the most part assigned to control envelopes. Press the 9th fader button to toggle the encoder/faders display view.
- If the LED buttons are illuminated, it means that a control page can be selected when the button is pressed. As the buttons are pressed the display updates to show page names and assignments.
- You can also navigate all pages by pressing the [Menu/Setup] button. Move the [Data] encoder to scroll through the list of pages that appeared on the display, and press the display button labeled [Enter] to select.
- If you navigate to another mode, such as [Mixer], when you press [Instrument] again, the last selected control page is displayed. Press [Instrument] again to select the Home page.
- In many cases subpages are used to provide more pages within a section. A synth's oscillator may have more parameters than 8 in which case 2 subpages would be used. A single display button can then be set up to toggle between them or dedicated display buttons can be assigned to select each of the two pages. Read more on the [Nektarine Help page](#) about page mapping and navigation.

Parameter Learn

An easy way to quickly change Nektarine control assignments, is to use it's 'Learn' function. At a minimum you may for example want to customize the Home page for a plugin so the parameters you need are always right there. Or you may want to assign LED buttons to select a control page.

- Activate Nektarine "Learn' by pressing [Shift]+[Menu (display button 5)] at the same time on Panorama. In the right display label, 'Learn' should now flash to show it's active.
- In Nektarine, make sure the hosted instrument plugin GUI is visible and move the parameter you'd like to control.
- Move the control you want the parameter assigned to on Panorama P1/P4/P6. That's it, the assignment is complete.

Keep repeating steps 2 and 3 to assign parameters to more controls and change pages as needed.

Press the [Setup/Menu] button while 'Learn' is active to expose more options:

- | | |
|----------------------------|--|
| Clear One: | Select and press the display button labelled [Enter]. Then move the control you want to clear an assignment for. |
| Clear All: | Select and press the display button labelled [Enter] to clear all assignments in the current page. |
| Direct Page Access: | Select and press the display button labelled [Enter]. Then press the LED button that should be assigned to select the currently selected control page. |
| Save: | Save the map file with all your changes. You can also save from Nektarine's Edit page. |

Saved user map files can be found in Documents\Nektar\Nektarine\Mapping Files\Instruments. Deleting a user map file will restore the default factory mapping.

Transport Mode

Transport mode helps you to navigate and build up your song composition from Panorama. As explained earlier, the transport buttons are available in any mode but the dedicated Transport Mode provides access to extra tools that will make capturing ideas, beat creation and overdubbing easier.

Transport Home Page

Press the [Transport] button to enter Transport mode. Transport mode provides the visual feedback you need to know where you are in your project. Below the info-bar the large font readout shows the current SPP location which updates as you play the project.

The top 4 encoders are assigned to control the following:

- Tempo
- Song Position Pointer
- Move Loop
- Scroll through Markers

Here is what the display buttons do:

- **Tempo:** Tap the button to set the tempo
- **Mark In:** Sets a Marker at the current SPP position
- **Mark Del:** Deletes a marker at current SPP position
- **Write:** Activate automation write

Mixer Control

The 9 faders, 8 encoders above and 8 buttons below control Studio One's mixer parameters Volume, Pan and Select so you have mix control while navigating your song.