

Logic Pro X



**Using Panorama T4/T6 with
Apple Logic**

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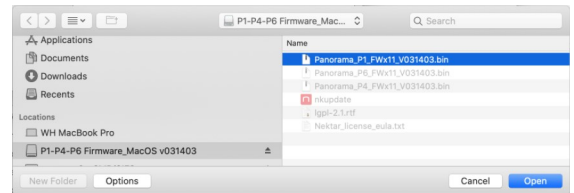
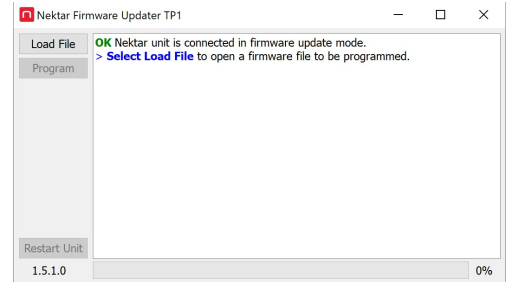
Logic Integration Setup and Configuration

The Panorama T4/T6 Logic Integration has been verified with Logic 8, 9 and X. The following instructions assumes you have one of these programs installed running OS X 10.7 or higher.

Here are the steps you need to go through to get Logic up and running with your Panorama T4/T6:

Panorama T4/T6 Firmware Update

1. Connect Panorama T4/T6 to your computer via USB.
2. With Panorama T4/T6 switched off, press and hold [fader button 9]+[Shift] while switching the unit on. The two buttons are next to each other and the display will be white when the unit is on.
3. Locate the dmg file named "T4-T6_Firmware" 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 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 T4/T6's 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 'T4-T6_Firmware'. Next select the file for your device, and click 'Open'.
7. Click [Program] and finally close the nkupdate app when complete.
8. Once the update process is complete, switch Panorama T4/T6 off and on again.



Nektar Logic Integration Setup

1. Make sure Logic is already installed on your computer. If not, please install Logic first and open Logic at least once, before running the installer for Nektar DAW integration software.
2. Locate the Panorama_T4_T6_Apple_support installer included with this package and run it.
3. Make sure your Panorama T4/T6 is plugged in to your computer and switched on.
4. Launch Logic
5. Create a new Project
6. Create an Audio or Instrument track
7. In Logic the Control Surface Setup window will appear to indicate that Logic has detected a new control surface. You can close this window
8. Download and install the Nektarine plugin from the 'My Account' tab on our website, if you'd like to use Nektarine alongside the Nektar Logic integration.

That's it, setup is now complete.

Troubleshooting

If you are having trouble getting Logic and Panorama T4/T6 working correctly after following the steps above, try the troubleshooting steps on this page: <https://nektartech.com/logic-setup-and-troubleshooting-impact/>

The pages is written for our Impact products but the steps equally applies to Panorama T4/T6.

Logic and Panorama T4/T6 Working Together

The following pages focus on how Apple's Logic and Panorama T4/T6 work together. If you have been using Logic for a while, you may not need any additional information but it's always a good idea to revisit Apple's extensive documentation to remind yourself about how Logic's functions work.

Track Changes

To navigate Logic's tracks from Panorama T4/T6, press [Track-] to go to the previous track and [Track+] to go to the next track. This is the same as using the arrow up/down keys on your computer keyboard.

Transport

The transport buttons give access to activate or deactivate the following transport functions: Cycle (loop), Rewind (in 1 bar decrements), Forward (in 1 bar increments), Stop, Play, Record.



In addition the buttons double up with functionality that's accessed by holding down the [Shift] button. The chart below tells you what each button and button combination does and how they behave.

Key Combination	Description
[Cycle]	Switch the loop/cycle between the Left and Right locators on/off
[Rewind]	Rewinds in steps of 1 bar. Press and hold for fast rewind
[Forward]	Forward in steps of 1 bar. Press and hold for fast forward
[Stop]	Stop playback
[Play]	Activate play
[Record]	Activate record
[Shift]+[Cycle]	Goto Left locator
[Shift]+[Rewind]	Set Left locator to the current song position
[Shift]+[Forward]	Set Right locator to the current song position
[Shift]+[Stop]	Undo last changes
[Shift]+[Play]	Switch the Click/metronome on/off
[Shift]+[Record] (Mode)	Toggle Automation modes Latch and Read

Logic Mixer Control

To control the Logic's mixer, press the [Mixer] button (default). The button's LED is illuminated while the mode is selected and the Logic mixer is controlled.

In the T4 display, track names for the current bank of 8 tracks are listed and the currently selected track is reversed.

Open/Close the Logic Mixer Window

If the Logic mixer is not in view when you press [Mixer]*, the action will bring it in to view. Press the [Mixer] button again to close the mixer window. While Mixer mode is selected, your T4/T6 continues to control the Logic mixer, even if the mixer window is closed.

* In some cases you may have to press [Mixer] twice to open or close the window.

Channel Volume & Pan

With mixer mode active, moving faders 1-8 will control the first 8 mixer channels in the Logic 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 the channel corresponding to the currently selected track so as you change tracks, you can quickly change volume while you are working.
- The 8 encoders control pan for each of the corresponding channels. Press the display button labeled [Pan] to view current status for each of the 8 channels. Press the [Mixer] button to go back to the track listing.

Channel Sends & Smart Controls

Pressing the display button labeled [Sends] assigns the encoders 1-8 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 Logic.

The display button labeled [Smart] assigns the 8 encoders to Logic X smart controls (not available in Logic 9).

Smart Controls map parameters you are most likely to need and Panorama T4/T6 display the assigned parameters for each of the 8 encoders. You can also create your own Smart Controls mapping. Read the Logic documentation for more information about this.

Press the [Smart] display button to open/close the Smart Controls Inspector in Logic and press [Mixer] to display the track list view on Panorama T4/T6.

Assuming you are for example on a Retro Synth track, pressing [Smart] will bring up the Smart Controls Inspector showing the below parameter



Panorama T4/T6 assigns up to 8 parameters so that the first 4 are controlled by the 4 top row encoders, the next 4 are controlled by the bottom row encoders. In the above example, the Retro Synth instrument presents 8 smart controls, all fully controllable for Panorama T4/T6.

Assignments will change dynamically as you change track, remove or add plug-ins.

Write

The 4th display button is labeled [Write] and activates the Logic latch automation mode.

Mute & Solo

Fader buttons 1-8 control mute for each of the tracks the faders are assigned to control. If a track is muted, the corresponding LED is illuminated. Press the button to un-mute.

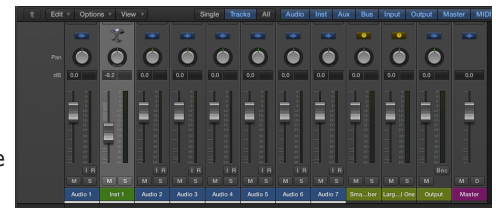
To solo tracks, press and hold fader button 9 while pressing fader buttons 1-8. LED buttons are illuminated when a track is soloed, while fader button 9 is held. Assuming at least one track is soloed, LED buttons will blink when fader button 9 is released. This indicates which tracks are now muted as a result of the solo action.

Deactivate solo by pressing the corresponding LED button while holding fader button 9.

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

If your 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].



The image of the mixer (right) shows the 8 channels currently controlled by Panorama T4/T6 underlined below the track name.

Zoom

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

Master Volume

You can control the Master Volume fader of the Logic mixer by pressing [Fader button 9] and then move fader 9 while the button is pressed. Upon release of the button, fader 9 will revert to control the current channel volume.

Logic Mixer Pickup Mode

To avoid parameter jumping when navigating different banks of 8 channels within the mixer, each setting is remembered and the parameter will only move when the control position match the parameter. For example, you may be setting you levels for channels 1-8 and are now using the bank over feature to control channels 9-16. This will mean your faders and encoders physical position will change. When you navigate back to channels 1-8, those settings are retained and parameters will only update when you move a fader or pot to and past the retained value.

You can switch Pickup Mode on or off in Logic/Control Surfaces/Preferences.

Create an Instrument Track

To control an instrument you must first create an instrument track. You can do that from Panorama T4/T6 by pressing [Shift] + [Instrument].

Open/close the Instrument Window

When you are on an instrument track, press the [Instrument] button on Panorama T4/T6 to select instrument mode. The LED will illuminate and encoder, fader and LED button controls are assigned to control instrument parameters.

This will also open the instrument GUI in Logic if it's not already open. You can close the GUI again by pressing [View].

If you press [Instrument] while on any other type of track, an effect plug-in may open but you will not be able to control it from Panorama T4/T6.

Controlling Instruments

In Instrument mode, Panorama T4/T6 will automatically map parameters for the Logic instrument associated with the track you are currently on. If you have selected an audio track, there are no parameters to control.

Try selecting one of Logic's included instruments such as Retro Synth and insert it on a track. Your Panorama T4/T6 now control Retro Synth's parameter and assignments are visible in the display.

- At the very top of the display any current controller activity is displayed.
- Immediately below you'll find the current track name to the left and track type or instrument to the right.
- Parameter assignments for the 8 encoders are displayed in the main part of the display.
- The two display buttons labelled [Default] and [User] switch assignments for the encoders
- The faders are typically assigned to control envelopes. Press fader button 9 to view their assignments and press one more time to view the encoder assignments again. There is only one page for the faders.

The [User] page is intended for customization but you can in reality customize any of the assignments, using Logic's Learn function.

Parameter Learn

Logic has a good Learn function and here is how it works.

- With [Instrument] mode selected on Panorama T4/T6, click on the parameter in the plug-in you want to control.
- On your Mac computer, press [Command] + [L]. This brings up the Logic "Controller Assignments" window. It's easiest to understand if you click the "Easy" tab.
- Move a Panorama T4/T6 control.
- Press [Command] + [L] or close the Logic "Controller Assignments" window.
- Press the [Instrument] button on Panorama T4/T6 to update the display to show the correct assignment.

Changing Patches

The 3rd and 4th display buttons are assigned to change patches. This works best with Logic's own instruments which are set up for this operation. Make sure the instrument GUI window is open and change instrument patch by pressing [Patch>] to go to the next patch or [<Patch] to go to the previous patch.

Markers & Arp On/Off

Press the [Setup/Menu] button to activate alternate Logic functions. The display buttons now show new labels and the buttons are assigned to the functions below. It's a good idea to show the marker list to follow what's going on. To do that, in Logic go to Navigate and select 'Open Marker List'.

Press the [Setup/Menu] button again to go back the previous display button assignments.

Select Markers Using the Pads

Press the display button labeled 'Marker' to assign the pads to select markers. The pad corresponding to the last selected pad is illuminated orange.

If you leave the [Marker] button when pressing the [Setup/Menu] button again, the pads will still be assigned to select markers.

Create a Marker

To create a marker, press the second display button labeled 'New'. With Play active, trying creating a few at different points in the current song by pressing the [New] button. A new pad should be illuminated every time.

Delete a Marker

If you want to remove a marker, first select it by pressing the corresponding pad. Then press the display button labelled [Del].

Activate the Arpeggiator

The last display button labelled 'Arp' is assigned to switch the Arpeggiator on and off.

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 T4/T6 without using the mouse. It works great alongside the MCU DAW control and can be used in many VST/AU hosts which means you get the same control and browsing experience of your instrument plugins regardless of which DAW you use.

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 Nektarine is scanned by Logic.
3. Create a software instrument track in Logic 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 tab.

First Steps with Panorama T4/T6 & Nektarine

When Nektarine is running, you'll be able to control plugins using the [Instrument] and [Multi] buttons. With Logic's mixer still controllable via the [Mixer] button, there is a lot of control at your fingertips. For a smooth experience, here are the main points to be aware of:

- Launch the Nektarine Stand-alone application or create an instrument track hosting Nektarine in your DAW. Panorama can immediately control any instrument plugin you load in Nektarine.
- A total of 16 instrument plugins, 4 insert effect plugins per Instrument plus another 4 send effects can be loaded in each instance of Nektarine.
- You can toggle multiple instances of Nektarine (i.e. if you have many tracks running Nektarine) by pressing [Shift]+[Instrument]
- If you want to control the Nektarine instance hosted on the track you are currently on, press [Shift] and hold while playing a note on the keyboard. Note that this does not work if your project/song is playing so make sure stop playback first.
- You can also activate any instance in the Nektarine GUI by clicking on the colored (usually yellow) instance indicator in the top right corner of Nektarine.

Control & Page Navigation

The control page displayed when [Instrument] is first pressed, is the Instrument 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 [E1/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.

1. Activate Nektarine "Learn" by pressing [Shift]+[Setup/Menu] at the same time. In the right display label, 'Learn' should now flash to show it's active.
2. In Nektarine, make sure the hosted instrument plugin GUI is visible and move the parameter you'd like to control.
3. Move the control you want the parameter assigned to on Panorama T4/T6. 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.

Browse

The Nektarine browser can be operated from Panorama T4/T6 enabling the selection and loading of patches without using the mouse. As long as Nektarine has scanned and found plugins on your system, at least one patch for each plugin will be available in the browser. You can save or import more patches to expand your library of sounds accessible from T4/T6.

Here is how you access the browser from Panorama T4/T6:

1. Select an instance of Nektarine for control.
2. On Panorama T4/T6, press the [Browse] button. The display now updates to show a list of patches (see image to the right).
3. Move [E1/Data] to scroll through the list. The select indicator on the left of the display will move through the list.
4. Press the display button labelled [Load] to load the selected patch. The Loaded patch appears with a dark background.



Three display buttons allow access to:

- [Patch]:** Patch browsing. This is the default selection and described above.
- [Multi]:** MultiPatch browsing. A MultiPatch contains all settings including all plugins and Nektarine parameters. You'll be able to load MultiPatches directly from Panorama T4/T6 using the method described above, once you have created and saved them in [Nektarine](#).
- [Tags]:** Select up to 7 Tags from Panorama T4/T6 to narrow your select options. See next page for details.

To exit browse, press the [Browse] button again or press one of the mode buttons.

Browser Tags

As the library of patches expands in the Nektarine browser it quickly becomes essential to be able to narrow the options. Tags can be selected in Nektarine's GUI but also from Panorama T4/T6.

1. Press the display button labelled [Tags] to view the tags page on Panorama T4/T6. The display now shows a page with active tags, if any are selected.
2. E1 is by default assigned to select 'Plugin'. Rotate E1 to select a plugin. To confirm the selection, press the display button labelled [Select].
3. Tags can be set by using the 8 encoders. Press and hold the display button labelled [Type] and move an encoder (E2 for example).
4. Select 'Category' and release the button.
5. Move the same encoder again. This time it will scroll through available Categories.
6. With a 'Category' displayed, press the display button labelled [Select].
7. Press the [Patch] button to go back to the patch list. It has now updated to only show patches for the plugin and category you selected in the tags page.

You can select up to 7 tags directly from Panorama T4/T6 using encoders 1-7. The 8th encoder is permanently assigned to Group Tags which is like a preset of tags that you can create for instant access. Read more about Tags and Group Tags on the [Nektarine Help page](#).

To exit, press [Browse].

Multi-Mode

Nektarine can host up to 16 plugins for layering and mixing of sounds. The first plugin you load in an instance of Nektarine is inserted in slot 1. More slots can be created from Panorama T4/T6 and the browser can be used to find different sounds for each slot.

1. Press the [Multi] button. You may have to press it twice before it's active. The display now shows a list of slots with either a plugin or patch name for each plugin loaded.
2. Press the display button labelled [Add Slot]. This creates a new slot. You can create up to 16 layered slots and set Key and Velocity range for each slot. Keyboard Zones are described in the Nektarine guide [here](#).
3. Press the [Browse] button and select a patch as described in the Browse section. Press [Browse], [Multi] or [Instrument] again to exit.



You can add up to 16 slots by repeating the above steps. While [Multi] is active, the controls are assigned to dedicated Multi-mode operations.

- Faders 1-8 control volume for each of the 8 slots.
- Encoders 1-8 control pan for each of the 8 slots.
- Fader button 9 toggles the operation options for the LED buttons: Solo/Mute/Select.
- Display button 4 [FX1-4] allows selection and control of effects plugins. See next section for details.
- Press [Instrument] to control the parameters of the currently selected slot

Removing slots can be done in the Nektarine GUI. Read more about Nektarine's Plugin View on the [Nektarine Help page](#).

FXs Control

Effect plugins can be loaded directly from Panorama T4/T6 by selecting any of the 4 insert slot that the current instrument routes to or any of the 4 global send effects.

Effect plugins are controlled via Multi-mode which enables you to switch between control of an instrument plugin and an effect plug by alternately pressing [Instrument] and [Multi].

1. Press [Multi] followed by [FX 1-4 (Display button 4)] to select.
2. [Insert] is selected by default. If you prefer to select/control a send effect, press [Sends]
3. Move [E1/Data] to scroll through the effect slots. Three slots are visible so press [Setup/Menu] to toggle between inserts 1-3 and 2-4.
4. Press [Select] to select the insert slot. If a plugin is already inserted, it's now mapped for control by the 8 encoders. Control mapping works the same way as it does for instrument plugins which means you can customize mapping using the same tools.
5. If an effect plugin is not inserted, the insert slot is now selected. Press [Browse] and load a plugin as described in the Browse section.
6. When a plugin has been loaded, press [Browse] or [Multi] to control it.
7. To insert an effect in another slot, press [Multi] to exit the control page and repeat steps 3-6.

