Logic Pro X

nektar | IMPACT

LX25+ | LX49+ | LX61+ | LX88+

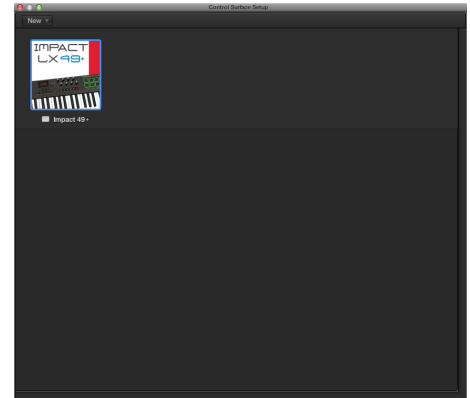**Using Impact LX+ with Apple Logic**

nektar

# Logic Integration Setup and Configuration

The Impact LX+ 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.

## Setup

Here are the steps you need to go through to get Logic up and running with your Impact LX+:

- 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.

- Locate the Impact_GX_LX+_Apple_support installer included with this package and run it.

- Plug in your Impact LX+ and make sure it's switched on (if you didn't do so already)

- Launch Logic

- Create a new Project

- Create an Audio or Instrument track

- In Logic the Control Surface Setup window will appear to indicate that Logic has detected a new control surface. You can close this window

- From the "Logic Pro" menu, select "Control Surfaces and then select "Rebuild Defaults" . If this menu is not available, please ignore.

That's it, setup is now complete.

## Troubleshooting

If you are having trouble getting Logic and Impact LX+ working correctly after following the steps above, try the trouble-shooting steps on this page: http://www.nektartech.com/s.nl/ctype.KB/it.I/id.8672/KB.533/.f?category=26

Only run the installer for the integration files once. Usually any problems arise from communication issues between LX+ and OSX. The online troubleshooting page typically resolves those issues.
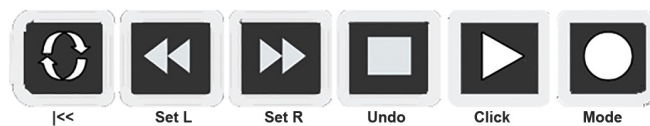
# Logic and Impact LX+ Working Together

The following pages focus on how Apple's Logic and Impact LX+ 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 Impact LX+, 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 to select the mixer preset. The button's LED is illuminated while the preset is selected and the Logic mixer is being controlled.

## 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 the Mixer preset is selected, your Impact LX49+ continues to control the Logic mixer, even if the mixer window is closed. You can also open a separate Logic mixer window by pressing [Shift]+[Mixer]. To close that window again, press [Mixer].

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

## Channel Volume & Pan

With the mixer preset active, moving faders 1-8 will control the first 8 mixer channels in the Logic mixer. The 8 pots control pan for each or the corresponding channels.

LX25+: On the Impact LX25+, the 8 pots control 8 mixer channels by default. You can switch them to control Pan by pressing and holding [Mixer] while moving the pots.

Fader 9 (on LX25+, the single fader) controls the channel corresponding to the currently selected track so as you change tracks, you can quickly change volume while you are working. If you have 15 tracks in your song and the currently selected track is 12,  that would result in faders 1-8 controlling mixer channel volume 9-16 and fader 9 controlling channel volume 12.

## Smart Controls

In Logic X, Apple introduced Smart Controls. Smart Controls map up to 12 parameters with the automatic mapping assigning the parameters you are most likely to need. You can also create your own Smart Controls mapping. Read the Logic documentation for more information about this.

Impact LX+ is already set up to take advantage of the Smart Controls from the Mixer preset. Using Smart Controls you can therefore control effect parameters and switch between controlling Smart Controls in Mixer mode and controlling Instrument parameters in Instrument mode.

## Open/Close the Smart Controls Inspector

Press the [Page] button to open the Smart Controls Inspector. To close the Smart Controls Inspector, press [Page] again.

## Controlling Smart Controls

When Smart Controls are active, the white User LED above the [Page] button is illuminated. The 8 pots are now assigned to control the first 8 Smart Controls. Press [Page] again to switch off the User LED and control Pan from the 8 pots.

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



Impact LX+ assigns up to 8 parameters so that the first 4 are controlled by the 4 top row pots, the next 4 are controlled by the bottom row pots. In the above example, the Retro Synth instrument presents 8 smart controls, all fully controllable for Impact LX+.

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

# Logic Mixer Control

## Mute & Solo

Fader buttons 1-8 control mute for each of the tracks the faders are assigned to control. If you prefer to solo tracks, you can press and hold fader button 9 while pressing fader buttons 1-8. The 8 buttons will now control solo for their corresponding tracks.

LX25+: On Impact LX25+, you can use the pads to control mute for tracks 1-8. Press and hold [Mixer] while hitting pads 1-8. This will toggle mute on or off  for the corresponding channels. Release the [Mixer] button and the pads revert to trigger MIDI notes. It is not possible to control the Solo function with LX25+.
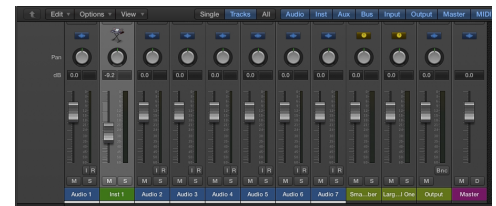
## Bank Over (1-8), (9-16) etc

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 second fader button). The faders, pots 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].

LX25+: On Impact LX25+  press and hold [Mixer] while pressing [Octave-] or [Octave+] to move the bank down or up.

The image of the mixer (right)  shows the 8 channels currently controlled by Impact LX+ underlined below the track name.



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

## 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.

LX25+: On Impact LX25+, press [Mixer] and move the [Fader] to control master 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 pots 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 Preferences/Control Surfaces.

# Logic Instrument Control

To control an instrument you must first create an instrument track. From Logic's Track menu, select "New Software Instrument Track" and select Retro Synth from the Logic instrument selector. Press [Inst] to select the instrument preset. The button's LED is illuminated and all controls are assigned to control instrument parameters.

## Open/close the Instrument Window

When you are on an instrument track, press [Inst.] to select instrument mode. This will also open the instrument GUI in Logic if it's not already open. You can close the GUI again by pressing [Inst.] again.

If you press [Inst.] while on any other type of track, an effect plug-in may open but you will not be able to control it from Impact LX+.

## Changing Patches

With the [Inst.] (Instrument) preset selected, you can step through instrument patches from Impact LX+ which makes it easy to change sounds while you play. 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.

## Controlling Instruments

With the [Inst] (Instrument) preset selected, Impact LX+ 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. Press the [Page] button so that the blue Default LED is illuminated. Your Impact LX+ now control Retro Synth's parameter corresponding to the blue screen printing. So for example the faders will control envelopes and pot 5 controls filter cut off.

Press the [Page] button to select the User page. This page is intended to be yours to customize. Use Logic's learn function as described in the following.

## Parameter Learn

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

- With the Instrument mode preset selected on Impact LX+, click on the parameter in the Logic 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 an Impact LX+ control.

- Close the Logic "Controller Assignments" window

You can in fact not only customize the User page but also the Default page using the Logic learn function. Don't hesitate to make assignement your own since they can easily be changed.

# Using the Pads to Trigger Markers

Using the pads, you can select and create up to 64 markers from the Impact LX+. Here is how:

## Assigning Pads to Select Markers

Pressing the [Scenes] button assigns the 8 pads to trigger markers. If no marker is selected all pad LED's are off.

To select a marker simply hit a pad.

By default the pads will select markers 1-8 and the pad corresponding to the selected pad is illuminated in yellow.

## Add a Marker from Impact LX+, in Logic

If you want to add a marker from the Impact LX+, press [Shift]+[Scenes]. The marker is added as the next available marker and can now be selected using the pads.

## Select Another Bank of 8 Markers

You can select up to 8 markers in a bank, corresponding to each of the 8 pads. You can also select up to 8 banks providing a total of 64 makers that can be selected from Impact LX+.

To select any of the 8 banks, press [Shift] and hit a pad corresponding to the bank you want.

# Using the Pads

Drum instruments can be played from the Impact LX+ keyboard or it's 8 pads.

Operating a drum instrument works the same way as any other instrument and using the Pad maps 1+2 you are able to play drum sounds straight away. However you may want to re-organize the sounds played by each pad for your playing style.

## "Learning" Drum Sounds to the Pads

It's easy to change a pad note assignment using the Pad Learn function. It works as follows:

1. Hold [Shift] press the function button labeled [<Patch] (Pad Learn). The display will now blink, showing P1 (pad 1) as the default selected pad.
2. Hit the pad you want to assign a new note value to. The display blinks and updates to show the number of the pad you selected.
3. Press the key on the keyboard that plays the sound you want to assign to the pad. You can keep playing notes on the keyboard until you have found the note you want.
4. When you are done, press [Pad Learn] to exit and start playing your pads with the new assignment.

You can keep repeating steps 2. and 3. until you have created a complete Pad Map. The settings are stored over power cycling so you will not lose them as you power down your system. However it's a good idea to save setups that you may want to have access to regularly in the future to one of the 4 pad map locations in Impact LX49+.  To learn how to do that, go to the "Setup  Menu" section in this manual.

## Controlling Ultrabeat, Drum Kit Designer and Other Drum Instruments

Impact LX+ Faders 1-8 controls gain/volume of the first 8 drum sounds on Drum Kit Designer by default.

When Ultrabeat is selected, all controls are mapped to the currently selected drum instrument

**DYSTRYBUCJA W POLSCE:**



## Audio Factory sp. z o.o.
audio software experts

telefon: +48 22 266 0258
e-mail: sprzedaz@audiofactory.pl

http://www.audiofactory.pl