



IMPACT LX MINI

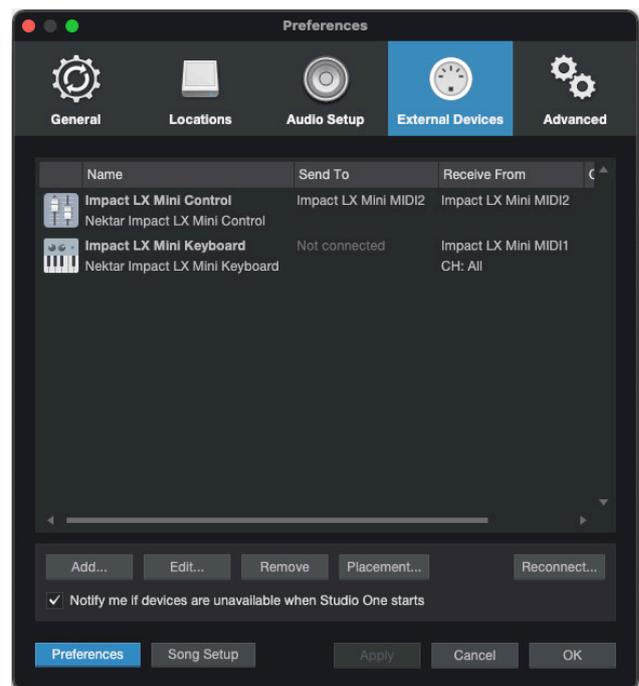
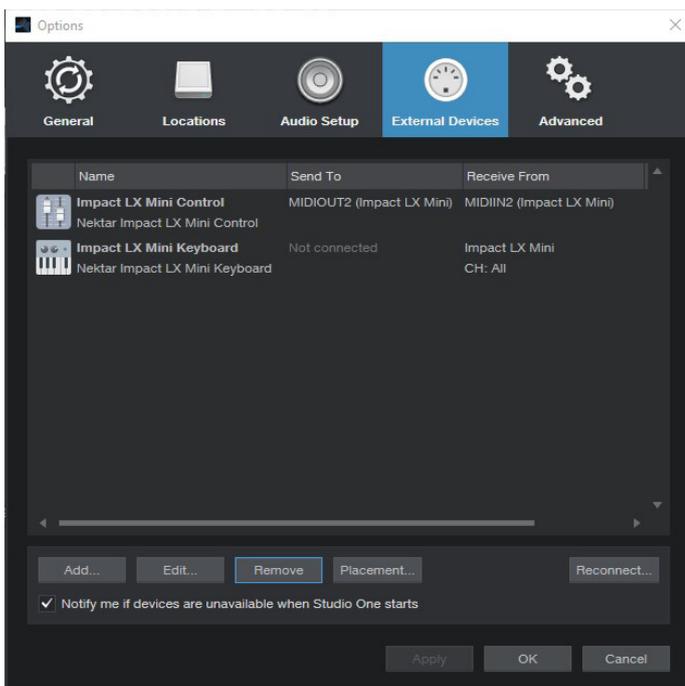
Installation & setup

The LX Mini Studio One Integration is compatible with the latest version of Studio One running on Windows 7 or higher / MacOS 10.7 or higher.

Installation

- If you haven't yet updated the firmware in your LX Mini, complete that step first. The firmware update is a separate download available from MY ACCOUNT on our website. With the firmware update complete, move on to the next steps.
- Locate the 'LX_Mini_Studio One_support' installer included with this package and run it.
- Plug-in your LX Mini and make sure it's switched on (if you didn't do so already)
- Launch Studio One and in the initial screen, click on "Configure External Devices".
- In the "Options" menu that appears, click on "External Devices"
- The window should now show 2 Impact LX Mini devices. Click ok and close the window.
- Create a new project or open an existing one.
- Press the play button on the Impact keyboard to confirm that LX Mini is communicating with Studio One.

That's it, setup is now complete and you can move on to the fun part, learning how it all works



Studio One and LX Mini working together

With the Studio One integration files installed and setup complete, LX Mini is ready to control Studio One's transport functions, track change, track/channel volume, open/close windows and of course instrument plugins. All of this works seamlessly alongside LX Mini's internal MIDI functions as detailed in the owner's manual. Start by checking that DAW integration is setup correctly and working, by pressing the play button on LX Mini to activate play in Studio One.

Transport Control

The transport buttons are set up to activate or deactivate the following transport functions: Click on/off, Rewind (in 1 bar decrements), Forward (in 1 bar increments), Loop, Stop, Play and Record.

Press the [Shift] button to illuminate. When the button is blue, the transport buttons switch to their secondary assignments as indicated by the blue screen printing above the buttons.

The white screen printing also indicate additional functionality which can be accessed by pressing the transport buttons while holding [Shift]. For example, [Shift]+[Click] will activate Undo in Studio One.

The chart below shows you what each button or button combination control.

BLUE LED BUTTON OFF		BLUE LED BUTTON ON		[SHIFT] FUNCTIONS	
BUTTON	PARAMETER	BUTTON	PARAMETER	BUTTON COMB.	PARAMETER
Click	Click on/off.	S1	Open/close Mixer.	Shift + Click	Undo
⏮	Rewind, 1 bar. Press to scroll.	S2	Open/close Instrument window.	Shift + ⏮	Goto start loop point
⏭	Forward, 1 bar. Press to scroll.	S3	Open/close browser.	Shift + ⏭	Goto end loop point
↺	Loop on/off.	◀ Track	Select previous track	Shift + ↺	Set start loop point
■	Stop.	Track ▶	Select next track	Shift + ■	Set end loop point
▶	Play. Press again to pause.	◀ Patch	Previous instrument patch*	Shift + ▶	Precount
●	Record	Patch ▶	Next instrument patch*	Shift + ●	Quantize mode (IQ)

* Patches=Studio One browser patch.

Open/close Studio One windows

Make sure [Shift] is illuminated blue. If it's not, press the button.

The 3 buttons with S1, S2 and S3 printed in blue above, now toggle Studio One windows mixer, instrument plugin and browser open/closed. [S2] is possibly the most important of the 3 because it enables opening instrument plugins following a track change or closing the current instrument window to view recording activity.

Track change

To navigate Studio One tracks from Impact LX Mini, make sure the [Shift] button is illuminated blue. Next press the button [◀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 control

Changing patches

You can step through instrument patches from LX Mini as long as they are available in Studio One's browser. Some plugins automatically make all their patches available to Studio One's browser but many don't. Try saving the patches (or presets) you like in Studio One's browser by clicking the + button. To following change instrument patch from LX Mini, press the [Patch>] button to go to the next patch or [<Patch] to go to the previous patch.

Undo

Press [Shift]+[Click/Undo] to undo the last action in Studio One.

Set and goto loop start/end

Adding a few button presses to your workflow can greatly help navigating a project without taking your hands of LX Mini. You can set loop points but assuming your song already has a loop point set, try the following.

- Press [Shift]+[Rwd/Goto L] to move the Studio One playback to Loop Start.
- Press [Shift]+[Fwd/Goto R] to move the Studio One playback to Loop End.

If loop is on in Studio One, press [Shift] to select the primary assignments and press [Loop] to switch off. Studio One will now play beyond the right locator.

- Press [Shift]+[Loop] to set Loop Start as Studio One is playing.
- Press [Shift]+[Loop] to set Loop End at the point where you want it.

Next activate [Loop] again and press [Shift]+[Rwd/Goto L]. Studio One now play the loop as set.

Quantize mode

The quantize mode in Studio One will quantize all incoming MIDI data at point of recording. Press [Shift]+[Record] to toggle IQ on/off.

Volume control, soft take-over and LED indicators

The large pot by default control the currently selected track's volume. Move the pot all the way up and down. The Studio One mixer's volume parameter associated with the currently selected track, is now controlled.

You may have experienced that volume was not controlled immediately as you moved the pot. This is caused by soft take-over which helps avoid parameter jumping when using any of LX Mini's 9 pots. For example, if the large pot is not in sync with the current channel volume, moving the pot will not cause a change until its position matches the value of the parameter.

In addition, the two LEDs below the pot indicate which direction the pot should be turned to change volume. If for example the right LED is red, move the pot to the right. Once the pot's position matches the current tracks volume setting, the two LEDs will both illuminate green and the parameter is controlled.

When you change track, the LEDs update to indicate the current status of the selected track.

The volume pot can also control multiple channels at the same time. Use the mouse to select the channels and move the volume pot. The channels retain their volume relationship but you can adjust all channels with one sweep.

Parameter control

Controlling master volume

You can also use the large pot to control the Studio One mixer's master volume. Press and hold the [Shift] button and move the pot.

Controlling instruments

When an instrument track is selected in Studio One, press [Instrument] to control the hosted Studio One plugin instrument. Impact LX Mini automatically map the hosted instrument plugin's parameters. **Note:** to control a plugin, its window must be open and in focus.

Press the [Page] button until the blue LED button labeled "Default" is illuminated. The LX Mini control mapping for a Studio One Instrument such as Presence now corresponds to the blue screen printing on your Impact LX Mini. The 8 pots are assigned to oscillator and filter parameters as indicated by the blue silk screen printing.

As you control parameters the two LED's below the large pot update to provide current soft take-over status. Check the section "Volume control soft take-over and LED indicators" on the previous page for a recap.

Press [Page] again so the LED labeled "User" is illuminated. The Nektar mapping for this page will typically augment the default mapping with oscillator 1 parameters mapped on the Default page and oscillator 2 parameters mapped for the same controls on the User page. The idea however is that you customize this page to your needs. In Studio One, you can customize both the Default and User pages with your own mapping. See 'Assigning plugin parameters' below for details.

When an Instrument track is selected, pressing [Instrument] or [S2] at any time will open and focus the Instrument Editor. Press [Shift]+[Instrument] or [S2] to close the window again.

Important: If control doesn't work as described, ensure the selected control surface in the top right corner of the Instrument editor is "Impact LX Mini Control" and highlighted yellow.

Controlling FX

The current track's FX inserts can be controlled in [Instrument] mode. Press [Shift]+[Page] to open and focus the Channel Editor for the selected track, which provides access to any insert FX. As with instruments, the selected FX can be controlled using the Instrument Default and User page. All Studio One FX devices are pre-mapped but as with instruments, mapping can be completely customized. See 'Assigning plugin parameters' on the next page, for details.

To navigate insert FXs, make sure [Shift] is off (controlling main transport functions). Then hold [Instrument] while pressing [Fwd] or [Rwd] to select next or previous insert FX on the selected track as seen at the top of the focused Channel Settings.

To return to Instrument control, press [Instrument] again. To regain control of the FX, use [Shift]+[Page] again.



Parameter control

Assigning plugin parameters

AU, VST and VST3 plugins as well as Studio One's own collection of instruments and FXs can be mapped or customized for control by LX Mini. 3rd party plugins are not mapped by default but it's worth the effort to map favorite plugins and the process is straight forward.

- Press and hold [Shift] on LX Mini.
- Move a control on LX Mini to select it.
- Move the parameters you want to control, on the plugin currently in focus.
- Release the [Shift] button.

Assign parameters are stored as part of Studio One's system files and recalled automatically.

Macro and global control

You can also map the User page to any parameter in Channel Settings. A particularly useful mapping is the eight macro controls, which can then be assigned to anything across the entire channel on a project by project basis. To view the macro controls, click on the 'ctrl' icon top left corner in the Channel Settings. Once you have mapped the macro controls or any other channel setting parameters, these settings will be applied across all tracks in all projects.

Note: The macros must be in view in Channel Settings to control them after making this assignment.

Finally, when "Impact LX Mini Control" is not in focus in either the Channel Settings or Instrument Editor, you can also choose to map the User page globally to literally ANY parameter in Studio One. Simply follow the steps outlined in the 'Assigning Plugin Parameters' section above and take advantage of the User page for generic control of your Studio One project.

Drum instruments can be played from LX Mini's keyboard or 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 many drum instruments straight away. However there is no exact standard for how drum sounds should be mapped so you may have instruments where the Impact LX Mini pads don't trigger the sounds you want.

Thankfully there is a learn function for that.

'Learning' a plugin instrument's drum sounds to the pads

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

- Press [Shift]+[Internal] to activate Setup mode. The Internal button's LED now blinks white.
- On the keyboard, press E1, labeled 'Pad Learn'.
- All pad LEDs are now off, except the currently select pad. Press any pad to select it.
- Press a key on the keyboard to learn its note to the selected pad. Use the octave buttons if necessary.
- Repeat steps 3 and 4 to select pads and assign notes.
- Press [Instrument], [Internal] or [Function] to exit when done.

The pad assignments are retained in memory until changed or a pad map is loaded. Make sure to store in one of the 4 pad maps if you want to be able to recall your assignments at any time.

Support

If you are not getting the results described, please check your installation one more time as well as the Nektar support tab on our website www.nektartech.com. You can also contact our support staff [here](#)