Logic Standard Nucleus² Profile
Setup and Quick Start Guide

Introduction
The first part of this tutorial details how to setup Logic with your SSL Nucleus². The second part details the commands assigned to the profile.

This tutorial assumes you have already installed all the necessary Nucleus² related software on your computer and that there is both a working network and USB connection from your DAW computer to the Nucleus. If you have yet to configure this part of your system, please refer to the Nucleus² Owner’s Manual before continuing.

Go to the SSL website > Nucleus² Product page > Downloads to make sure your software is all up-to-date.
ipMIDI Setup

Apple Mac OSX
1) Close all applications using MIDI
2) Open AudioMidi Setup (Applications > Utilities > Audio MIDI Setup)
3) Open the MIDI Window (Audio MIDI Setup > Window > Show MIDI Studio)
4) Double click the ipMIDI icon
5) Set number of ports to 6 and ensure that 'Loopback' is not ticked and then press 'Apply'

OR

Microsoft Windows OS
This setup information covers Windows 7, 8, and 10
1) Launch the ipMIDI Monitor application
2) Ensure Ports 1 to 6 are not muted
3) Un-tick ‘Loop Back’
4) Set ‘Ports after Reboot’ to 6 and ensure that ‘Loopback’ is not ticked and then press ‘OK’

Note: If you are opening up Ports for the first time, after Rebooting your computer, these will be ‘muted’. Be sure to open ipMIDI back up and untick the muted Ports
Setting up Logic

Control surfaces are setup in the “Logic Pro X” > “Control Surfaces” > “Setup” (or “Preferences” > “Control Surface Setup” if using Logic 9 or below) menu. In this example we will setup Logic for operation on DAW layer 1 of Nucleus².

1) Choose ‘New’ and then ‘Install…’
2) Choose Nucleus (left) and then ‘Add’
3) Set both ‘Output Port’ and ‘Input Port’ to ‘Port 1’
4) Again, choose ‘New’ and ‘Install…’
5) Choose Nucleus (right) and then ‘Add’
6) Set both the ‘Output Port’ and ‘Input Port’ to ‘Port 2’

Nucleus² Setup
Go to the Nucleus² Remote application and ensure the selected profile for DAW 1 is ‘Logic Standard’. 
Above you can see the assignments for Nucleus² Default key set. You are in Default Key Set when the User 1 or User 2 keys are not selected.

<table>
<thead>
<tr>
<th>Button</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTR</td>
<td>V-pots control Virtual Instruments</td>
</tr>
<tr>
<td>PLUGIN</td>
<td>V-pots control Plug-Ins</td>
</tr>
<tr>
<td>EQ</td>
<td>Opens standard Logic EQ strip on selected channel (has push and hold function)</td>
</tr>
<tr>
<td>PANSUR</td>
<td>V-pots control pan parameters (has push and hold function)</td>
</tr>
<tr>
<td>SEND</td>
<td>V-pots control send parameters (has push and hold function)</td>
</tr>
<tr>
<td>TRACK</td>
<td>Globally changes V-Pots through various ‘Track’ options (has push and hold function)</td>
</tr>
<tr>
<td>KeybID</td>
<td>Sets Keyboard ID on setup</td>
</tr>
</tbody>
</table>

**Tip:** The Logic Manual section on Mackie Controllers (MCU) contains a lot of useful information that will help you get the most from using Nucleus² with Logic.
The image above show the assignments for User 1.

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixer</td>
<td>Opens/Closes the Mixer</td>
</tr>
<tr>
<td>AView</td>
<td>Shows/Hides automation lane data</td>
</tr>
<tr>
<td>TkZoom</td>
<td>Zooms track</td>
</tr>
<tr>
<td>Func</td>
<td>Accesses the Func Submenu</td>
</tr>
<tr>
<td>Marker</td>
<td>Creates/Deletes Markers (push and hold function)</td>
</tr>
<tr>
<td>Nudge</td>
<td>Nudges selected region</td>
</tr>
<tr>
<td>SMPTE</td>
<td>Changes nudge value between SMPTE or Bar/Beats</td>
</tr>
<tr>
<td>Delete</td>
<td>Deletes Selected Region</td>
</tr>
<tr>
<td>NM/VAL</td>
<td>Switches V-Pot display between labels/values</td>
</tr>
<tr>
<td>Track</td>
<td>Globally changes V-Pots through various ‘Track’ options (has push and hold function)</td>
</tr>
<tr>
<td>PanSur</td>
<td>V-Pots control pan parameters (has push and hold function)</td>
</tr>
<tr>
<td>Send</td>
<td>V-Pots control send parameters (has push and hold function)</td>
</tr>
<tr>
<td>EQ</td>
<td>Opens standard Logic EQ strip on selected channel (has push and hold function)</td>
</tr>
<tr>
<td>Plugin</td>
<td>V-Pots control Plug-ins</td>
</tr>
<tr>
<td>Instr</td>
<td>V-Pots control Virtual Instruments</td>
</tr>
<tr>
<td>Click</td>
<td>Turns the metronome on/off</td>
</tr>
</tbody>
</table>
The image above show the assignments for Func Submenu.

<table>
<thead>
<tr>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>F1</td>
<td>Opens Screenset 1</td>
</tr>
<tr>
<td>F2</td>
<td>Opens Screenset 2</td>
</tr>
<tr>
<td>F3</td>
<td>Opens Screenset 3</td>
</tr>
<tr>
<td>F4</td>
<td>Opens Screenset 4</td>
</tr>
<tr>
<td>F5</td>
<td>Opens Screenset 5</td>
</tr>
<tr>
<td>F6</td>
<td>Opens Screenset 6</td>
</tr>
<tr>
<td>F7</td>
<td>Opens Screenset 7</td>
</tr>
<tr>
<td>F8</td>
<td>Opens Screenset 8</td>
</tr>
</tbody>
</table>
The image above shows the assignments for User 2.

<table>
<thead>
<tr>
<th>Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snip</td>
<td>Cuts section between locators (Arrange Page)</td>
</tr>
<tr>
<td>Silent</td>
<td>Inserts silence between locators (Arrange Page)</td>
</tr>
<tr>
<td>Splice</td>
<td>Inserts snipped section at playhead (Arrange Page)</td>
</tr>
<tr>
<td>Repeat</td>
<td>Repeats section between locators (Arrange Page)</td>
</tr>
<tr>
<td>Split</td>
<td>Splits regions/events by playhead position (Arrange Page)</td>
</tr>
<tr>
<td>Loop Region</td>
<td>Turns loop on/off for selected region (Arrange Page)</td>
</tr>
<tr>
<td>Mute</td>
<td>Mute selected region (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Delete</td>
<td>Deletes selected region (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Select</td>
<td>Select tool (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Pencil</td>
<td>Pencil tool (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Eraser</td>
<td>Eraser tool (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>TxtFng</td>
<td>Text/Finger tool (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Scisor</td>
<td>Scissors tool (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>Glue</td>
<td>Glue tool</td>
</tr>
<tr>
<td>ASelct</td>
<td>Automation Select (Arrange + MIDI Page)</td>
</tr>
<tr>
<td>ACurve</td>
<td>Automation Curve (Arrange + MIDI Page)</td>
</tr>
</tbody>
</table>
The image above show the assignments for the Transport/Utility section of Nucleus².

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PlayFS</td>
<td>Play command is assigned to footswitch port</td>
</tr>
<tr>
<td>RecFS</td>
<td>Record command is assigned to footswitch port</td>
</tr>
<tr>
<td>Shift</td>
<td>Keyboard Shift (follow key state)</td>
</tr>
<tr>
<td>Ctrl</td>
<td>Keyboard Ctrl key (follow key state)</td>
</tr>
<tr>
<td>Cmnd</td>
<td>Keyboard Cmnd key (follow key state)</td>
</tr>
<tr>
<td>Alt</td>
<td>Keyboard Alt Key (follow key state)</td>
</tr>
<tr>
<td>Scrub</td>
<td>Puts jogwheel into scrub mode</td>
</tr>
<tr>
<td>Enter</td>
<td>Keyboard Enter Key (follow key state)</td>
</tr>
<tr>
<td>Cancel</td>
<td>Cancel</td>
</tr>
<tr>
<td>Save</td>
<td>Saves Project</td>
</tr>
<tr>
<td>Undo</td>
<td>Undo</td>
</tr>
<tr>
<td>EQ</td>
<td>Opens standard Logic EQ strip on selected channel (has push and hold function)</td>
</tr>
<tr>
<td>PrevMk</td>
<td>Locates to previous marker</td>
</tr>
<tr>
<td>NextMk</td>
<td>Locates to next marker</td>
</tr>
<tr>
<td>Cycle</td>
<td>Turns cycle on/off</td>
</tr>
</tbody>
</table>
List of MCU Functions

The Logic profile contains a mixture of MCU commands and USB Keyboard shortcuts. To help you see how we have renamed the commands, see the table below.

BLACK TEXT = MCU Command  
RED TEXT = USB Keyboard shortcut

<table>
<thead>
<tr>
<th>DAW CMD/ KEYBOARD SHORTCUT</th>
<th>SOFTKEY LABEL (RE-NAMED)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instr</td>
<td>Instr</td>
</tr>
<tr>
<td>Plugin</td>
<td>Plugin</td>
</tr>
<tr>
<td>EQ</td>
<td>EQ</td>
</tr>
<tr>
<td>PanSur</td>
<td>PanSur</td>
</tr>
<tr>
<td>Track</td>
<td>Track</td>
</tr>
<tr>
<td>KeybID</td>
<td>KeybID</td>
</tr>
<tr>
<td>x</td>
<td>Mixer</td>
</tr>
<tr>
<td>a</td>
<td>AView</td>
</tr>
<tr>
<td>z</td>
<td>TkZoom</td>
</tr>
<tr>
<td>Menu</td>
<td>Func</td>
</tr>
<tr>
<td>Marker</td>
<td>Marker</td>
</tr>
<tr>
<td>Nudge</td>
<td>Nudge</td>
</tr>
<tr>
<td>SMPTE/Beats</td>
<td>SMPTE</td>
</tr>
<tr>
<td>Backspace</td>
<td>Delete</td>
</tr>
<tr>
<td>Name/Value</td>
<td>NM/VAL</td>
</tr>
<tr>
<td>Track</td>
<td>Track</td>
</tr>
<tr>
<td>PanSur</td>
<td>PanSur</td>
</tr>
<tr>
<td>Send</td>
<td>Send</td>
</tr>
<tr>
<td>EQ</td>
<td>EQ</td>
</tr>
<tr>
<td>Plugin</td>
<td>Plugin</td>
</tr>
<tr>
<td>Instr</td>
<td>Instr</td>
</tr>
<tr>
<td>Click</td>
<td>Click</td>
</tr>
<tr>
<td>Ctrl Cmnd X</td>
<td>Snip</td>
</tr>
<tr>
<td>Ctrl Cmnd Z</td>
<td>Silenc</td>
</tr>
<tr>
<td>Ctrl Cmnd Y</td>
<td>Splice</td>
</tr>
<tr>
<td>Ctrl Cmnd R</td>
<td>Repeat</td>
</tr>
<tr>
<td>/</td>
<td>Split</td>
</tr>
<tr>
<td>Key</td>
<td>Function</td>
</tr>
<tr>
<td>-----------</td>
<td>------------------------</td>
</tr>
<tr>
<td>L</td>
<td>Loop</td>
</tr>
<tr>
<td>M</td>
<td>Mute</td>
</tr>
<tr>
<td>Backspace</td>
<td>Delete</td>
</tr>
<tr>
<td>Esc&gt;1</td>
<td>Select</td>
</tr>
<tr>
<td>Esc&gt;2</td>
<td>Pencil</td>
</tr>
<tr>
<td>Esc&gt;3</td>
<td>Eraser</td>
</tr>
<tr>
<td>Esc&gt;4</td>
<td>TxtFng</td>
</tr>
<tr>
<td>Esc&gt;5</td>
<td>Scisor</td>
</tr>
<tr>
<td>Esc&gt;6</td>
<td>Glue</td>
</tr>
<tr>
<td>Esc&gt;Q</td>
<td>ASelct</td>
</tr>
<tr>
<td>Esc&gt;W</td>
<td>ACurve</td>
</tr>
<tr>
<td>F1</td>
<td>F1</td>
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<td>F2</td>
<td>F2</td>
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<td>F3</td>
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<td>F7</td>
<td>F7</td>
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<tr>
<td>F8</td>
<td>F8</td>
</tr>
<tr>
<td></td>
<td>Play Foot Switch</td>
</tr>
<tr>
<td></td>
<td>Record Foot Switch</td>
</tr>
<tr>
<td>Shift</td>
<td>Shift</td>
</tr>
<tr>
<td>Cmd</td>
<td>Cmd</td>
</tr>
<tr>
<td>Ctrl</td>
<td>Ctrl</td>
</tr>
<tr>
<td>Alt</td>
<td>Alt</td>
</tr>
<tr>
<td>Ctrl .</td>
<td>NextMk</td>
</tr>
<tr>
<td>Ctrl ,</td>
<td>PrevMk</td>
</tr>
<tr>
<td>Cycle</td>
<td>Cycle</td>
</tr>
<tr>
<td>Stop</td>
<td>Stop</td>
</tr>
<tr>
<td>Play</td>
<td>Play</td>
</tr>
<tr>
<td>Record</td>
<td>Record</td>
</tr>
<tr>
<td>Enter</td>
<td>Enter</td>
</tr>
<tr>
<td>Cancel</td>
<td>Cancel</td>
</tr>
<tr>
<td>Save</td>
<td>Save</td>
</tr>
<tr>
<td>Undo</td>
<td>Undo</td>
</tr>
<tr>
<td>Scrub</td>
<td>Scrub</td>
</tr>
</tbody>
</table>