Cubase/Nuendo Standard Nucleus² Profile Setup and Quick Start Guide

Introduction

The first part of this tutorial details how to setup Cubase/Nuendo 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'
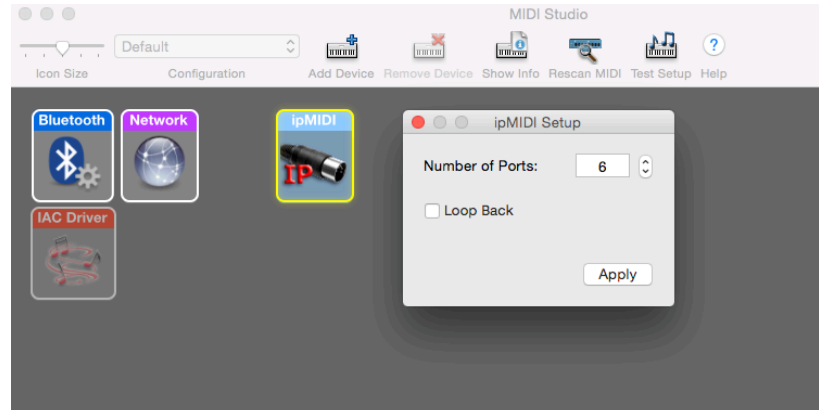
OR

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
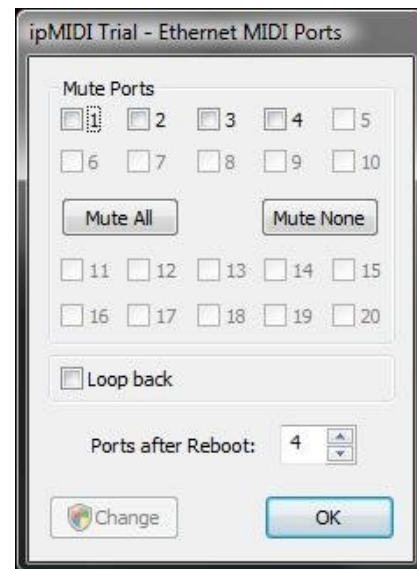
Setting up Cubase/Nuendo
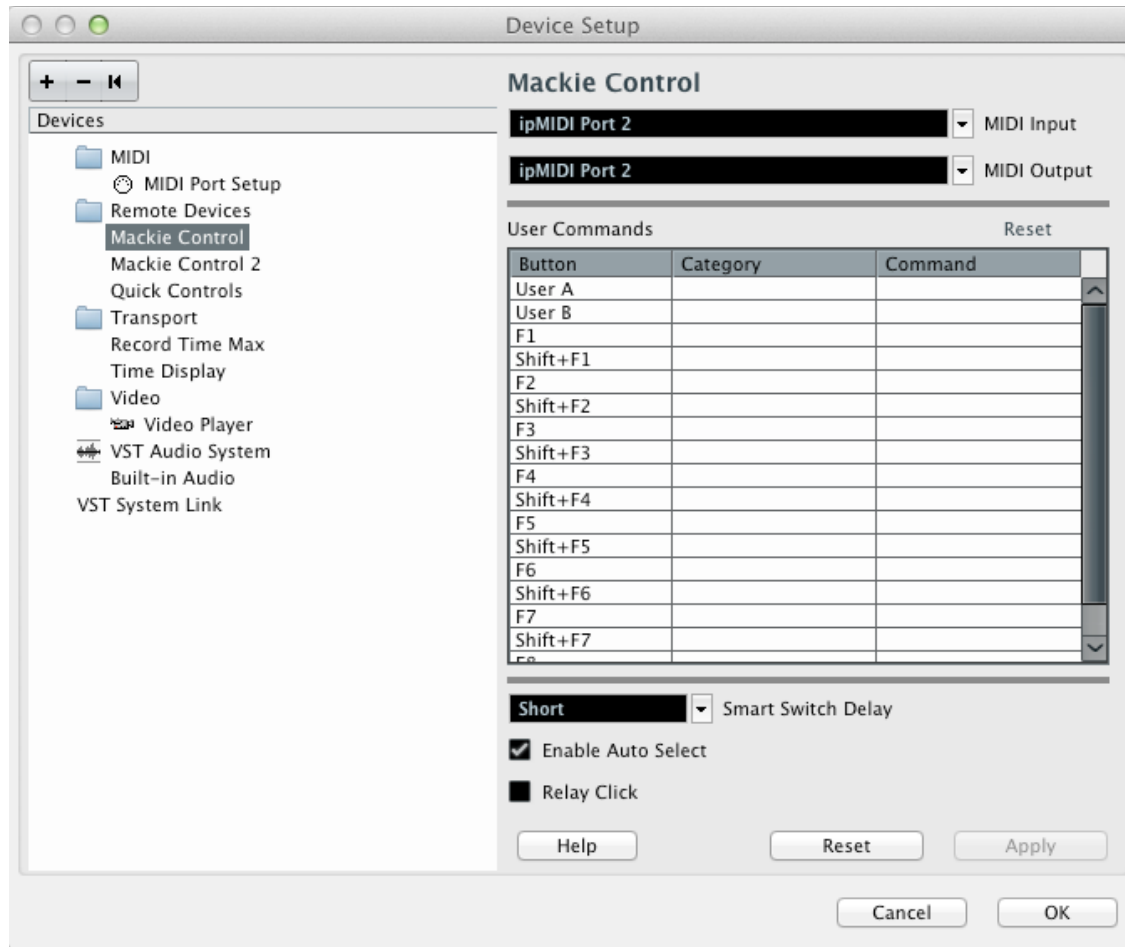
Device Setup

Control surfaces are setup in Cubase/Nuendo in the **Devices›Device Setup›Remote Devices** menu. In this example we will setup Cubase/Nuendo for operation on DAW layer 1 of Nucleus[2].

1) Click the '+' button to add a new device
2) Choose 'Mackie Control'
3) Set MIDI Input to ipMIDI Port 2 and then set MIDI Output to ipMIDI Port 2 also and click 'Apply'.
   (Note: Cubase/Nuendo requires you to setup Port 2 before Port 1 for correct operation)
4) **Again,** Click the '+' button to add a second Mackie Control
5) Set MIDI Input to ipMIDI Port 1 and then set MIDI Output to ipMIDI Port 1 also and click 'Apply'.
6) Press 'OK' to exit this window

Compatibility Mode

In Cubase 7.5, Steinberg altered certain Mackie Control functions (including Page Up and Page Down), so that they no longer operate as they did before 7.5.

Therefore, in order to make the profile work correctly, if you are running Cubase 7.5 or above please ensure you have setup the Mackie Control 2 in 'Compatibility' mode. This is set in the Devices menu>Mackie Control 2. A very small drop down box will appear. Change it from 'Cubase' to 'Compatibility'.
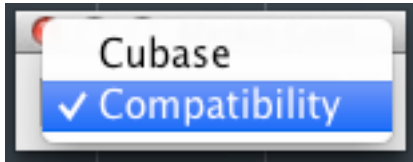
Key Commands

As the Cubase/Nuendo Standard profile contains a mixture of MCU commands and USB Keyboard shortcuts, it is important you set the 'Presets' option in the Key Commands setup to 'Default' so that this profile works correctly. This is set in the File menu > Key Commands…
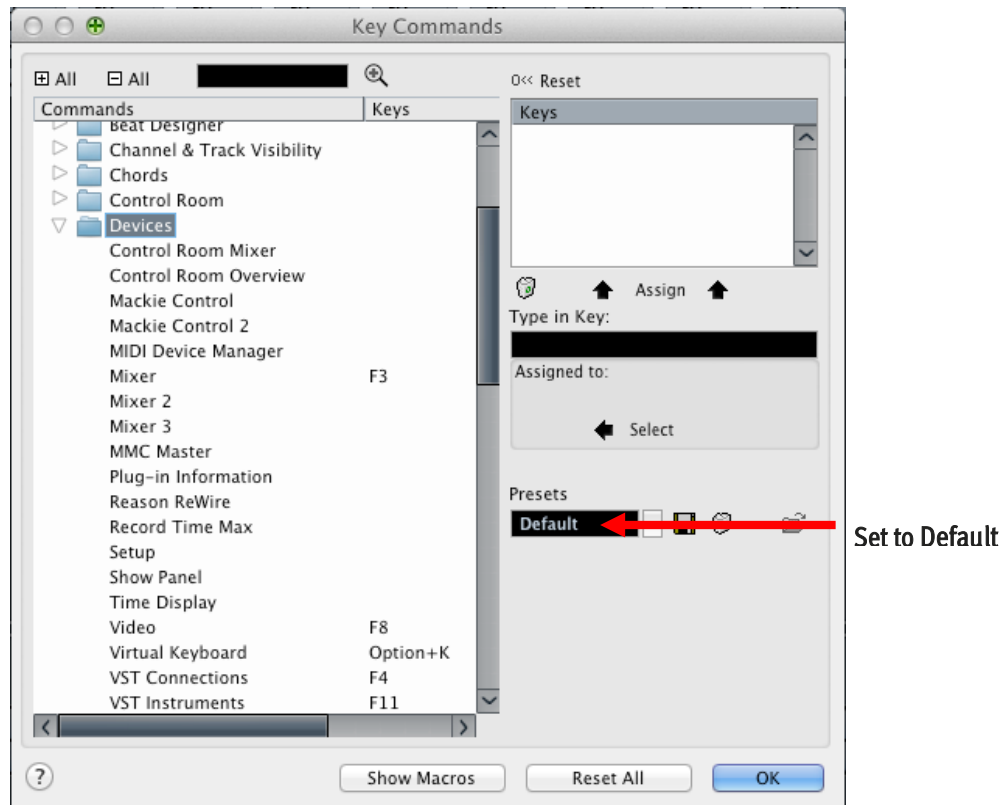
Nucleus² Setup

Go to the Nucleus² Remote application and ensure the selected profile for DAW 1 is 'Cubase/Nuendo Standard'.

Default
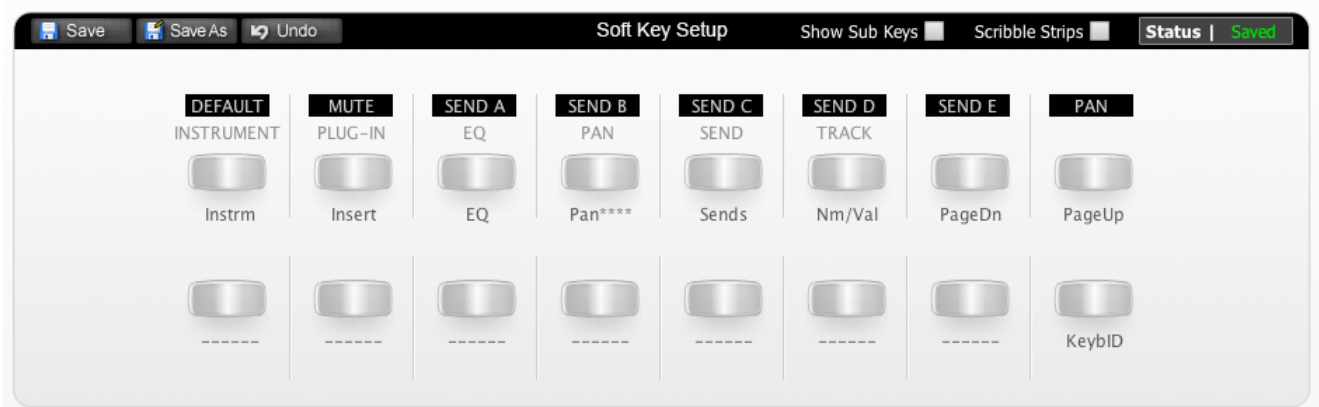
Above you can see the assignments for Nucleus²' Default key set. You are in the Default Key Set when the User 1 or User 2 buttons are not selected.

INSTRM	Opens VST Instruments in window
INSERT	V-Pots assign and control plugins on the selected track
EQ	V-Pots control the channel EQ
PAN****	Sets the V-Pots as Pan controls and shows the values
SENDS	V-Pots control Send levels
NM/VAL	Displays track values
PAGEDN	Pages backwards through the plugins or other functions with multiple parameters
PAGEUP	Pages forwards through plugins or other functions with multiple parameters
--------	*Unassigned*
-------	*Unassigned*
--------	*Unassigned*
--------	*Unassigned*
--------	*Unassigned*
--------	*Unassigned*
--------	*Unassigned*
KeybID	Sets Keyboard ID on installation

User 1

| Save | Save As | Undo | | Soft Key Setup | | Show Sub Keys ☐ | Scribble Strips ☐ | Status | Saved |

AUTO	EDIT	DEVICE	Pan****	Click	SolDef	Delete	Add
Trsp	Mixer	Edit	EQ	Insert	FXSend	PageDn	PageUp
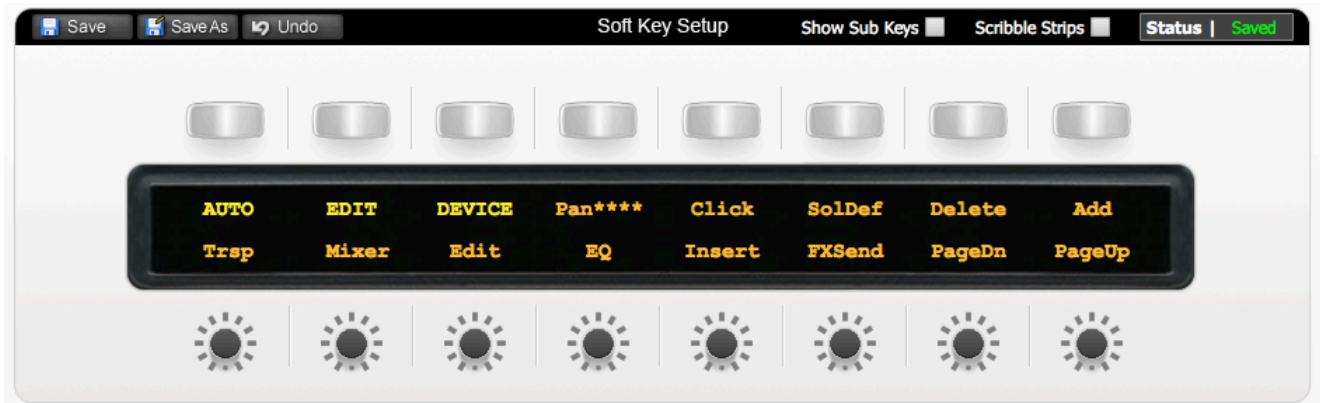
The image above shows the assignments for User 1.

AUTO	Opens the Automation Submenu
EDIT	Opens the Edit Submenu
DEVICE	Opens the Device Submenu
PAN****	Sets the V-Pots as Pan Controls and shows the values
CLICK	Toggles the metronome on/off
SOLDEF	Solo Defeat
DELETE	Deletes selected Regions/Notes/Automation Data
ADD	Adds Marker at cursor position
TRSP	Shows/hides transport panel
MIXER	Shows/hides the Mixer
EDIT	Opens channels view
EQ	V-Pots control the channel EQ
INSERT	V-Pots assign the control plugins on the selected track
FXSEND	V-Pots control Send levels
PAGEDN	Pages backwards through the plugins or other functions with multiple parameters
PAGEUP	Pages forwards through plugins or other functions with multiple parameters

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The AUTO Submenu

The image above shows the assignments for the Auto Submenu.

PANEL	Shows the Automation Panel
READ	Set selected track to Read mode
WRITE	Set selected track to Write mode
G-READ	Toggles automation Read status for all tracks
G-WRIT	Toggles automation Write status for all tracks
--------	*Unassigned*
--------	*Unassigned*
--------	*Unassigned*

The EDIT Submenu

The image above shows the assignments for the Edit Submenu.

COPY	Copy selected region/event/note
PASTE	Paste selected region/event/note
DUPL	Duplicate selected region/event/note
DELETE	Delete selected region/event/note
QUANT	Quantise selected region/event/note
CUT	Cut selected region/event/note
M2C	Set locators to selected region/event
X	Crossfade

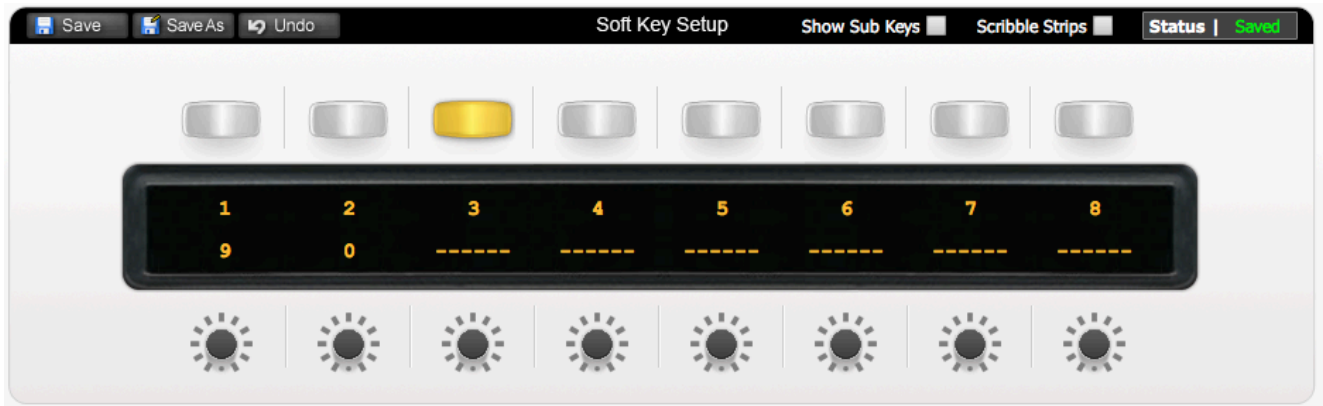# The Device Submenu

The image above shows the assignments for the device submenu.

VSTCON	Opens VST Connections window
INSTRM	Opens VST Instruments window
PERFOR	Opens VST Performance
TRSP	Opens Transport Window
V-KEY	Opens Virtual Keyboard
-----	*Unassigned*
-----	*Unassigned*
-----	*Unassigned*

User Layer 2

Save	Save As	Undo	Soft Key Setup	Show Sub Keys	Scribble Strips	Status	Saved

```
1     2     3     4     5     6     7     8
9     0   ------ ------ ------ ------ ------ ------
```
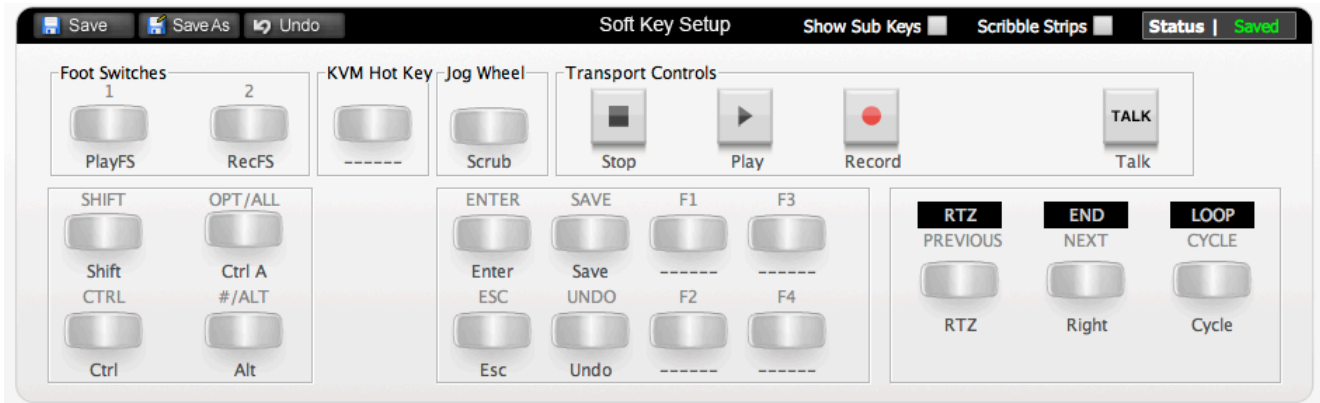
The image above shows the assignments for User 2. This key set provides access to the same numbers as on your numeric keypad.

1	Numeric Keypad 1
2	Numeric Keypad 2
3	Numeric Keypad 3
4	Numeric Keypad 4
5	Numeric Keypad 5
6	Numeric Keypad 6
7	Numeric Keypad 7
8	Numeric Keypad 8
9	Numeric Keypad 9
0	Numeric Keypad 0

Transport/ Utilities

The image above shows the assignments for Nucleus²' transport/utilities section.

SHIFT	Keyboard Shift (follow key state)
CTRL	Keyboard Ctrl (follow key state)
CTRL A	Keyboard Ctrl A
ALT	Keyboard Alt/Option (follow key state)
SCRUB	Puts jog wheel into Scrub mode
ESC	Keyboard Escape
ENTER	Keyboard Enter
SAVE	Saves session
UNDO	Undo
PLAYFS	Play command is assigned to footswitch jack
RECFS	Record command is assigned to footswitch jack
RTZ	Locate to Session Start
RIGHT	Locate to Session End
CYCLE	Engage/disengage loop function
Stop	STOP
Play	PLAY
Record	RECORD

List of MCU Functions

The Cubase/Nuendo 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

DAW CMD / SHORTCUT	SOFTKEY LABEL (RE-NAMED)
-	AUTO (Menu)
-	EDIT (Menu)
-	DEVICE (Menu)
Pan + Name/Value	Pan**
C	CLICK
Solo Defeat	SOLDEF
Backspace	DELETE
Add	ADD
F2	TRSP
Mixer	MIXER
Edit	E
EQ	EQ
Inserts	INSERT
FX Sends	FXSEND
Page Down	PAGEDN
Page Up	PAGEUP
F6	PANEL
Read	READ
Write	WRITE
Alt R	G-READ
Alt W	G-WRIT
Ctrl C	COPY
Ctrl V	PASTE
Ctrl D	DUPL
Backspace	DELETE
Q	QUANT
Alt X	CUT
P	M2C
X	X
F4	VSTCON
F11	INSTRM
F12	PERFOR
F2	TRSP
Alt K	V KEY
Numeric Keypad 1	1

Numeric Keypad 2	2
Numeric Keypad 3	3
Numeric Keypad 4	4
Numeric Keypad 5	5
Numeric Keypad 6	6
Numeric Keypad 7	7
Numeric Keypad 8	8
Numeric Keypad 9	9
Numeric Keypad 0	0
Shift (follow key state)	SHIFT
Ctrl (follow key state)	CTRL
Ctrl A	CTRL A
Alt (follow key state)	Alt
Esc	ESC
Enter	ENTER
Previous	PREV
Next	NEXT
,	RTZ
Right Arrow Key	RIGHT
Cycle	CYCLE
Nudge-	NUDGE-
Nudge+	NUDGE+
Sync	SYNC
Punch	PUNCH
Stop	STOP
Play	PLAY
Record	RECORD