

# SSL UF1

## User Guide



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# Solid State Logic

O X F O R D • E N G L A N D

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PLEASE READ ALL INSTRUCTIONS, PAY SPECIAL HEED TO SAFETY WARNINGS.

E&OE

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Initial Release

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# Table of Contents

<b>Overview</b>	<b>5</b>
What is SSL UF1?	5
Features	5
Safety Notices	5
<b>Get-Started</b>	<b>6</b>
Unpacking	6
UF1 Physical Specification	6
Fitting The Stands (Optional)	7
Connecting Your UF1 Hardware	8
Downloading SSL 360° Software and the SSL Meter Plug-in	9
Installing SSL 360° Software	9
System Requirements	9
Registering Your UF1 - Redeeming and Authorising Your Meter Plug-in License	10
UF1 YouTube Tutorials	12
Keyboard Identify (Mac Only)	13
<b>UF1 Hardware Layout</b>	<b>14</b>
Front Panel	14
Connector Panel	17
<b>SSL 360° Software Overview</b>	<b>18</b>
Overview & Home Page	18
UF1 Page	22
Control Setup Page	20
Switching the control layer from UF1 (Layer Set Up)	21
<b>DAW Communication</b>	<b>25</b>
SSL V-MIDI Ports	25
DAW Protocols	25
<b>Pro Tools with UF1 - Tutorial</b>	<b>26</b>
SSL 360° Setup	26
Pro Tools Setup	26
Small LCD Layout	27
Large LCD Layout	28
Tutorial	29
<b>Logic with UF1 - Tutorial</b>	<b>42</b>
SSL 360° Setup	42
Logic Setup	42
Small LCD Layout	44
Large LCD Layout	45
Tutorial	46
<b>Cubase/Nuendo with UF1 - Tutorial</b>	<b>56</b>
SSL 360° Setup	56
Cubase Setup	56
Small LCD Layout	57
Large LCD Layout	58
Tutorial	59
<b>Ableton Live with UF1 - Tutorial</b>	<b>70</b>

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SSL 360° Setup	70
Live Setup	70
Small LCD Layout	71
Large LCD Layout	72
Tutorial	73
<b>Studio One with UF1 - Tutorial</b>	<b>81</b>
SSL 360° Setup	81
Studio One Setup	81
Small LCD Layout	82
Large LCD Layout	83
Tutorial	84
<b>LUNA with UF1 - Tutorial</b>	<b>96</b>
SSL 360° Setup	96
LUNA Setup	96
Small LCD Layout	97
Large LCD Layout	98
Tutorial	99
<b>Pyramix with UF1 - Tutorial</b>	<b>107</b>
SSL 360° Setup	107
Pyramix Setup	107
Small LCD Layout	108
Large LCD Layout	109
Tutorial	110
<b>UF1 &amp; 360°-Enabled Plug-ins</b>	<b>119</b>
SSL Meter	119
Channel Strip 2	119
4K B	119
<b>Plug-in Mixer Overview</b>	<b>120</b>
<b>Plug-in Mixer - Tutorial</b>	<b>121</b>
SSL 360° Setup	121
Plug-in Mixer Setup	121
Plug-in Mixer Transport Setup	122
Tutorial	122
Small LCD Layout	122
Large LCD Layout - Channel Strip Mode	126
SSL Chanel Strip Soft Key & V-Pot Assignments	127
Large LCD Layout - Meter Mode	128
Overview	128
Analogue	129
31- Band Real-Time Analyser (RTA)	130
<b>UF1 LCD Messages</b>	<b>131</b>
<b>SSL 360° Software Messages</b>	<b>134</b>
<b>SSL Support - FAQs, Ask a Question and Compatibility</b>	<b>135</b>
<b>Safety Notices</b>	<b>136</b>

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# Overview

## What is SSL UF1?

UF1 is an incredibly powerful one-fader control surface that goes above and beyond the competition. It boasts not one but two high quality displays, a 100 mm fully motorised 100 mm fader, premium soft-feel durable rubber keys and a weighted jog wheel, all encased in a durable metal chassis. UF1 gives you comprehensive command of your DAW (pans, sends, plug-in control and more) plus the ability to customise 46 soft keys specifically to your workflow. Furthermore, UF1 and SSL 360° integrates directly with the SSL Meter plug-in, viewable in all its glory on the impressive 4.3" IPS TFT LCD and controllable from the surface itself. UF1 can be used on its own or it can be partnered with the SSL UF8(s), to give you the ultimate SSL DAW controller system. UF1 is also the perfect expansion for the SSL UC1 plug-in controller, giving you direct access to 360°-enabled channel strip parameters on the Plug-in Mixer Layer.

## Features

- 100 mm high quality motorised fader.
- 2 x high quality LCD TFT displays, including a large 4.3" TFT LCD for effortless visual feedback of DAW track names, parameters, time display, the SSL Meter plug-in and 360°-enabled channel strips in the SSL Plug-in Mixer.
- Dedicated Transport controls and weighted jog/scrub wheel for total session control.
- Dedicated HUI and MCU DAW Profiles for: Pro Tools, Logic, Cubase, Studio One, Ableton Live, LUNA, Pyramix.
- UF1 can switch to control the MASTER fader in MCU protocol DAWs.
- Proprietary control of the SSL 360° Plug-in Mixer Layer: seamless integration with the SSL Meter plug-in (perpetual license included), with the metering plug-in visualised on the large 4.3" IPS display and hardware control from the UF1 surface.
- SSL Meter offers essential meter tools including Peak & RMS levels, K-System, stereo balance, phase correlation bar, Lissajous vector scope, 31-band RTA, VU and PPM metering.
- Extend the functionality of UC1: control 360°-enabled channel strips such as Channel Strip 2 and 4K B directly from the UF1 surface and view the EQ curve on the UF1 large display.
- Master mode for the Plug-in Mixer allows UF1 to control a different channel strip to the one that is selected on UC1.
- Fully-featured DAW Controller in a compact footprint. Control DAW Pans, Sends, Plug-ins and Virtual Instruments with ease.
- 46 customisable user keys ready to assign your favourite DAW commands or keyboard shortcuts.
- Secondary Transport row of keys can be customised to essential workflow shortcuts such as Loop on/off and click track on/off. Or press the Shift button for fast access to DAW automation modes.
- Fader Mode allows you to use the 4 V-Pots underneath the large screen to control 4 track volumes at the same time.
- A large multi-purpose notched encoder allows for single channel banking, mouse wheel emulation (Focus mode and control over computer system volume).
- Use UF1 on its own, or partner with UF8 and/or UC1 to enhance the functionality of both products.
- 2 x assignable foot-switch inputs.
- Up to 3 different DAWs can be connected simultaneously and switched between using the Layer keys.
- Powered by the SSL 360° Software application.

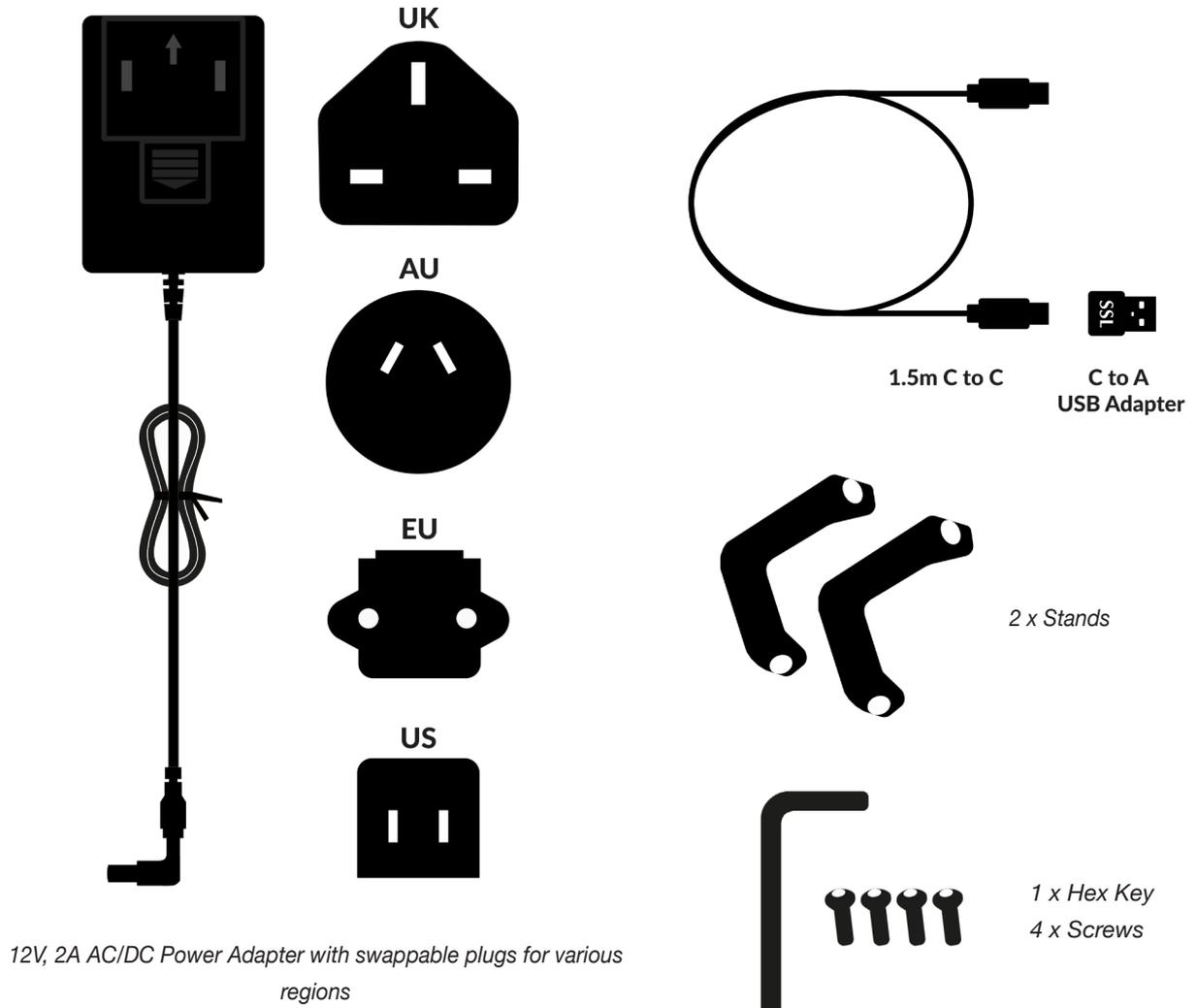
## Safety Notices

Please read the **Important Safety Notices** at the end of this User Guide before use.

# Get-Started

## Unpacking

The unit has been carefully packed and inside the box you will find the following items in addition to your UF1 control surface:



## UF1 Physical Specification

### Dimensions

Width 205 mm x Height 265.9 mm x Depth 62.5 mm

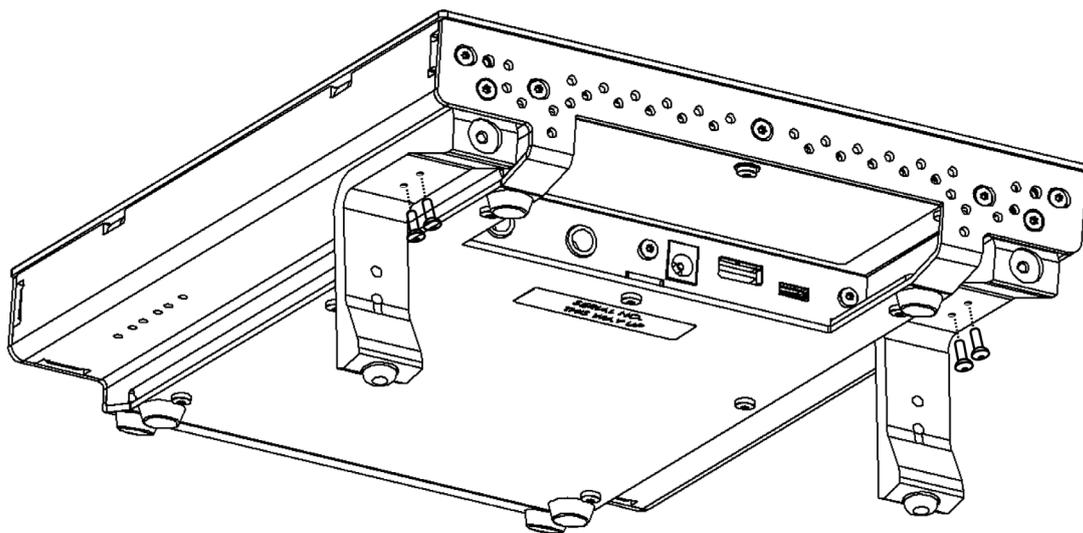
### Weight

Unboxed (unit only) - 1.8 kg

Boxed - 2.88 kg

## Fitting The Stands (Optional)

UF1 has been designed to be used with or without the included screw-in stands, depending on your preference. Attaching the included screw-in stands has the added benefit of angling the unit towards you. Three different fixing positions (the holes are arranged in pairs) allow you to choose an angle that is best for your setup. Use 2 screws per stand. **Please be careful not to over-tighten to avoid stripping the screw threads.** For those with a torque measuring device, tighten to 0.5 Nm.



## Additional Elevation Angles

If you need a steeper angle of elevation, you can rotate the stands and fix them to the chassis using the shorter side. This gives you three additional angle options to choose from.

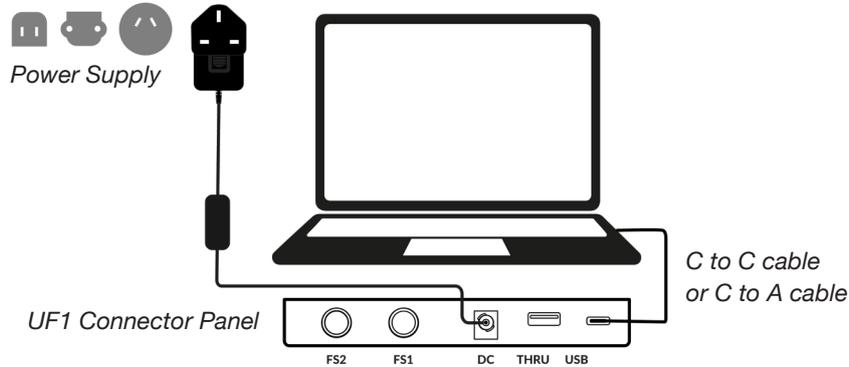
1. Unscrew the rubber feet and move to the other end

2. Rotate the stands so that the short side fixes to the chassis



## Connecting Your UF1 Hardware

1. Connect the included power supply to the **DC** socket on the connector panel.
2. Connect one of the included USB cables from your computer to the **USB** socket.

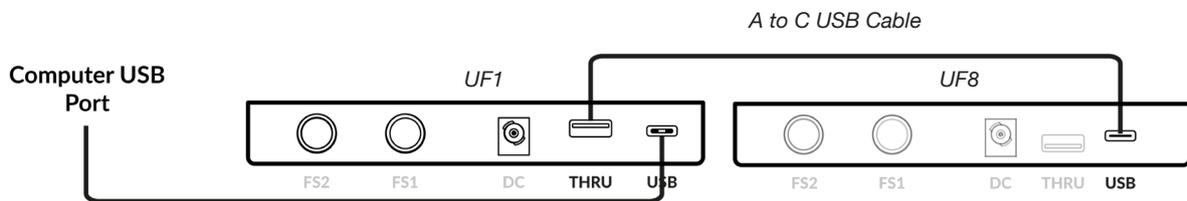


### USB Cables

Please use one of the provided USB cables ('C' to 'C' or 'C' to 'A' with the provided adapter) to connect UF1 to your computer. The type of USB port you have available on your computer will determine if the adapter is required for connecting the cable to your computer. Newer computers may have 'C' ports, whereas older computers may have 'A'. Please ensure that you are connecting to the port labelled **USB** on UF1 which is a 'C' type connection.

### Connecting the UF1 to UF8

If you are using a UF1 and a UF8, you can use the **THRU** port (USB 'A' type) to link the two devices - this means that only one USB port is required at your computer.



Theoretically, you can chain 4 x UF8, a UC1 and a UF1 together in the way described above. However, by doing so you may exceed the number of hub tiers permitted by your PC/Mac computer. As such, you may need to connect your UF1 unit directly to another USB port on your computer. The same applies regarding the use of USB hubs; the UF1 may need to be plugged directly into a different USB port on your computer.

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**Tip:** The **THRU** port can also be used to plug in USB dongles for DAW software or plug-in licenses.

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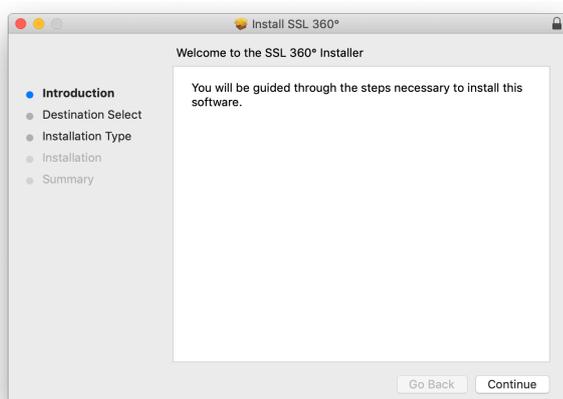
## Downloading SSL 360° Software and the SSL Meter Plug-in

UF1 requires the SSL 360° software to be installed on your computer in order to function. SSL 360° is the brains behind your UF1 control surface. Once you have connected your UF1 hardware to your computer as described on the previous page, please download SSL 360° from the SSL website.



1. Go to [solidstatelogic.com/support/downloads](http://www.solidstatelogic.com/support/downloads)
2. Select **UF1** from Products drop-down list.
3. Download the SSL 360° software for your Mac or Windows system.
4. Download the SSL 360° Meter Plug-in for your Mac or Windows system

## Installing SSL 360° Software



### Mac

1. Locate the downloaded SSL 360°.dmg on your computer.
2. Double-click to open the .dmg.
3. Double-click to run the SSL 360°.pkg.
4. Proceed with the installation, following the on-screen instructions.



### Windows

1. Locate the downloaded SSL 360°.exe on your computer.
2. Double-click to run the SSL 360°.exe.
3. Proceed with the installation, following the on-screen instructions.

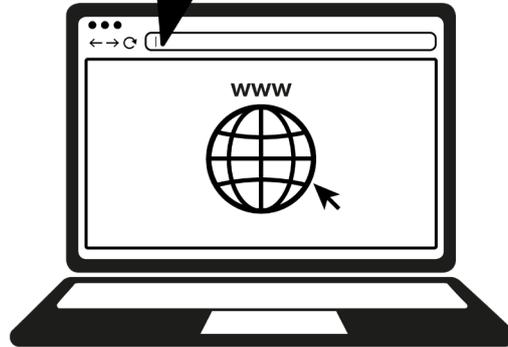
## System Requirements

Computer operating systems and hardware are constantly changing. Please search for '*UF1 Compatibility*' in our online FAQs to check if your system is currently supported.

## Registering Your UF1 - Redeeming and Authorising Your Meter Plug-in License

You'll need to register your UF1 hardware in the SSL user portal to claim your Meter plug-in license

<http://www.solidstatelogic.com/get-started>



To register your product, head to [www.solidstatelogic.com/get-started](http://www.solidstatelogic.com/get-started) and follow the on-screen instructions to create an account or log into your existing one.

### My Products

You may need to re-register old products. Find out more about the upgrade to new SSL Account portal [here](#).



Once logged into your account, click on **REGISTER PRODUCT** on the **Dashboard** page and on the following page choose **REGISTER HARDWARE PRODUCT**.

**Solid State Logic** Dashboard My Account Logout

### Product Registration

Register a new product

PRODUCT: SSL UF1

DATE OF PURCHASE: 2021-05-06

COUNTRY OF PURCHASE: Country

PRODUCT SERIAL NUMBER: |

SUBMIT DETAILS

**MODEL NO: 729XXXXX**  
**XX-000115-C1D45DCYQ3L4**  
**SERIAL NUMBER**

The serial number can be found on the base of the unit. It is not the number on the packaging box. For example, XX-000115-C1D45DCYQ3L4. The dashes will be added automatically by the form.

If you have issues registering, please try another browser first. If you have further issues, attach a photo of the serial number and contact Product Support with your browser and OS version.

Choose **SSL UF1** and complete the form.

You will need to input the serial number of your UF1. **This can be found on the label on the base of your UF1 unit** (it is not the number on the packaging box).



Once you have successfully registered your UF1, it will appear in your Dashboard. Click **Get Your Additional Software**.



**UF1 - SSL Meter**

Included with every UF1 is a license for SSL Meter.

Follow the steps below to redeem your license. Please note, the license is non-transferable.

SSL plug-ins are protected with iLok software licensing, you'll need to create an iLok account and download iLok license manager to authorise the license onto your computer or physical iLok dongle. Please do the following:

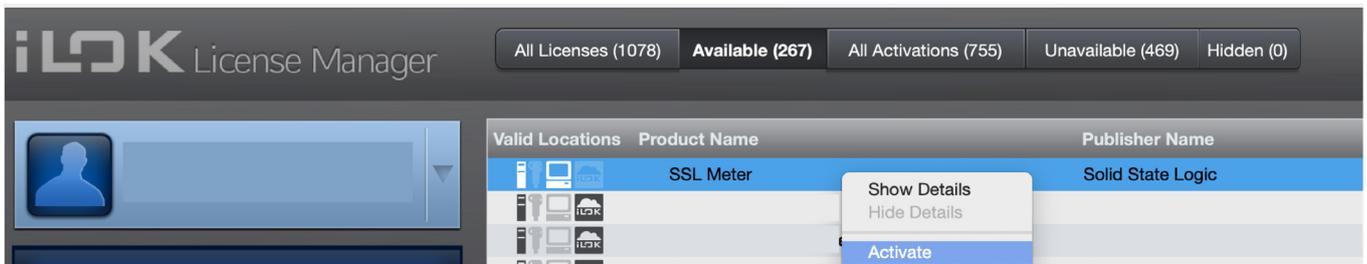
1. Create an [iLok account](#).
2. Download and install [iLok License Manager](#).
3. Enter your iLok User ID in the box opposite on this page and click 'Validate'. If successful click 'Deposit License'.
4. Open iLok License Manager and authorise your SSL Meter license onto your computer or physical iLok.
5. Download and install the SSL Meter plug-in installer from the [Downloads](#) page.

VALIDATE YOUR ILOK ACCOUNT

iLok User ID

VALIDATE

On this page, enter your iLok User ID into the box, wait for your iLok account to be validated and then click **DEPOSIT LICENSE**.



Finally, open iLok License Manager, locate the SSL Meter plug-in license and right-click **Activate** onto your computer or physical iLok.

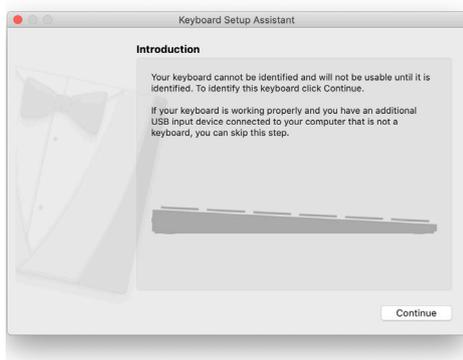
## UF1 YouTube Tutorials

The SSL YouTube channel hosts in-depth tutorials on how to setup and use UF1 with your DAW.



## Keyboard Identify (Mac Only)

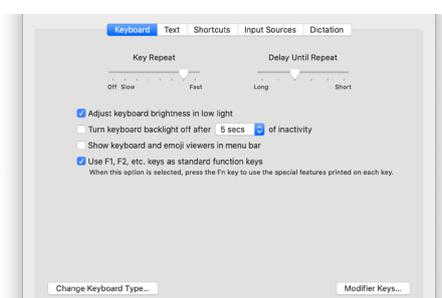
One of the special features of UF1 is its ability to trigger keyboard command sequences of your favourite DAW shortcuts. These are assigned using the SSL 360° software and this is covered later in this User Guide.



When you first plug in your UF1, Mac OS will present the above 'Keyboard Setup Assistant' window because Mac OS wants you to identify which region (Europe, America or Japan) this, as yet unidentified, keyboard is from. **If you connected your UF1 to your computer before installing SSL 360° software, you need to close this setup assistant because SSL 360° needs to be installed on your computer in order to continue through this setup process.** To make the Keyboard Setup Assistant appear again once SSL 360° is installed, do the following: Open up Mac's 'System Preferences' > Go to 'Keyboard' > Click 'Change Keyboard Type' (please note, your UF1 must be connected to your computer via a USB cable) and click 'Continue'.



**STEP 1:** Go to System Preferences and click 'Keyboard'.

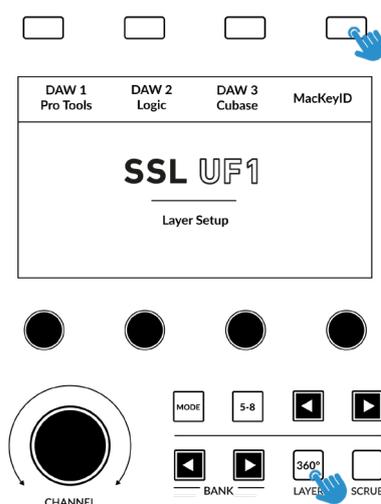


**STEP 2:** Click 'Change Keyboard Type'



**STEP 3:** Click 'Continue'.

- When presented with 'Identifying Your Keyboard' and you are being asked to 'Press the key immediately to the right of the Shift Key', at this point, press and hold the **360°** key on UF1 and press the **MacKeyID** button on the top-right soft key of UF1.
- This will move you through to the final step of the process, where you can choose the appropriate option (Europe, America or Japan) for your region and then click 'Done'.



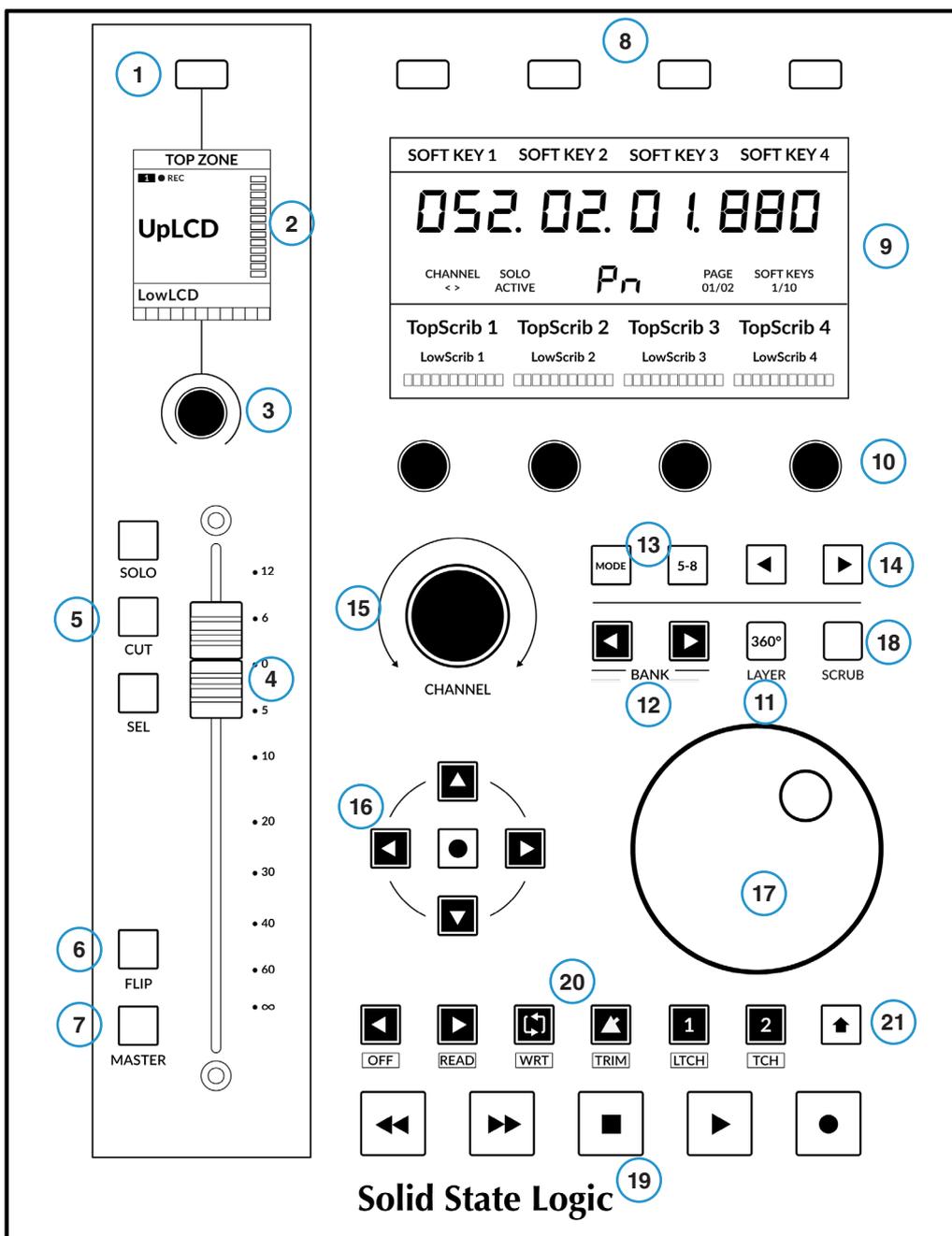
**STEP 5:** Select your region and click 'Done'.

**STEP 4:** When presented with the message 'Press the key immediately to the right of the Shift Key', press and hold the **360°** key on UF1 and then press **MacKeyID**.

# UF1 Hardware Layout

## Front Panel

This section will help familiarise yourself with the front panel controls of the UF1 surface. It is intended to be an overview, rather than a comprehensive explanation of each function or mode. For more detail on the integration of features with each DAW, please refer to the DAW Tutorials sections of this User Guide.



### 1 - **Small Screen Soft Key**

This allows control over certain V-Pot parameters. The behaviour of this key varies for each DAW. Please see the relevant DAW Tutorial section for more information.

### 2 - **Small Screen**

Colour LCD TFT provides visual feedback of track metering, track names, **V-POT** readouts, track record-arm states and more.

### 3 - **Small Screen V-Pot**

"V-Pot" is short for "virtual pot" and this is used to control various DAW parameters including Pan position, Send levels and Plug-in parameters. The small screen V-Pot controls the selected parameter of the currently selected channel shown on the fader.

### 4 - **100 mm Motorised Fader**

High quality motorised fader with touch sense.

### 5 - **SOLO, CUT, SEL**

The most common controls found in all DAWs.

### 6 - **FLIP Key**

**FLIP** is used to assign the current V-Pot parameter to the fader and can be used for tasks such as riding send levels.

### 7- **Master Key**

Changes the fader to control the DAW's master fader. Please note this varies per DAW and is not available in all DAWs. Please see the relevant DAW Tutorial section for more information.

### 8 - 4 x **Large Screen Soft Keys**

A line of 4 soft keys allow access to various V-Pot parameters or, up to 40 user-assignable keys (across 10 pages). The label for the function of each key is displayed in the top section of the large screen.

### 9 - **Large Screen**

A large colour LCD TFT provides visual feedback of the DAW's time display, track names, V-Pot parameter readouts and more. This is also where the SSL Meter plug-in is visualised.

### 10 - 4 x **Large Screen V-Pots**

"V-Pot" is short for "virtual pot" and these are used to control various DAW parameters including Pan position, Send levels and Plug-in parameters.

### 11 - **360°/Layer Key**

A short press opens/minimises the SSL 360° software on your computer screen. A long press will open the DAW layer selection indicated at the top of the large Screen and selectable via one of the 4 large screen soft keys.

### 12 - **BANK < > Keys**

These keys allow you to bank through the tracks in your DAW, bringing them onto your UF1 control surface.

### 13 - **MODE & 5-8 Keys**

The **MODE** key toggles between various control states dependant on your DAW, as well as providing direct access to the SSL Meter Plug-In control. The **5-8 key** expands the V-pot controls beyond the 1st 4 channels of the selection to the **5 to 8** Channels of the bank of 8.

#### 14 - < > Keys

These keys page through the 10 soft key pages.

#### 15 - Large Notched **CHANNEL** Encoder

The large encoder can function in several different modes:

- < > - The encoder will bank DAW tracks one at a time.
- **NUDGE** Mode (Pro Tools only) Allows you to use the encoder to move selected audio regions by the currently set Nudge value.
- **FOCUS** Mode - This mode turns the operation of the large encoder into a mouse wheel scroll emulation and is great for controlling plug-ins. Simply hover your computer mouse over the desired control and turn the encoder. The sensitivity of this mode will be determined by your computer's mouse scroll sensitivity settings
- **VOLUME** Mode - This mode allows the Channel Encoder to act as a volume control when the currently active audio interface allows control of system audio level.

#### 16 - **Cursor Keys** and **Mode** (Circle) Key

In standard operation, these keys perform various functions including DAW timeline zooming and important tasks such as selection of plug-in slots (Logic only). Refer to the DAW Tutorials section for more information on this.

#### 17 - **Jog Wheel**

Large Jog wheel to move through the DAW timeline.

#### 18 - **Scrub** key

Puts the Jog wheel into Scrub mode.

#### 19 - **Transport Keys**

Control the DAW's Rewind, Forward, Stop, Play, and Record command.

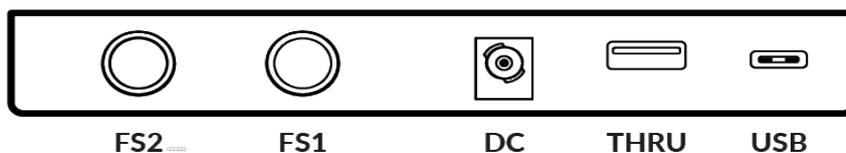
#### 20 - **Secondary Transport Keys**

These keys expand on the most common DAW transport controls and for most DWA profiles come preassigned to common functions such as, Loop on/off, Metronome on/off. These 6 keys are customisable via SSL 360°. Refer to the DAW Tutorials section for more information on this.

#### 21 - **SHIFT** Key

Engaging the **SHIFT** key re-purposes the secondary transport keys to access various DAW automation modes such as Off, Read, Write, Trim, Touch and Latch (DAW dependant). Use in conjunction with the **SEL key** to select a DAW track and then put it into the desired automation mode.

## Connector Panel



The recessed section hosts UF1's connectors.

### USB - 'C' Type Connector

Connect the included USB cable from your computer to the **USB** port on UF1. This handles all of the communication between your DAW and UF1, via the SSL 360° software application.

### THRU - 'A' Type Connector

The **THRU** connector is an in-built USB hub and it can be used to chain a UF1 and UF8/UC1 unit together, without needing to plug each unit into your computer individually. It can also be used to plug in USB dongles.

### DC Connector

Use the included AC/DC Power Supply to provide power for your UF1.

### FS1 & FS2 - 1/4" Jack Connectors

These allow for the connection of foot-switches, which can be used to trigger DAW commands or user-assigned keyboard shortcut sequences.

UF1 has been tested with popular foot-switches such as the BOSS FS-6 (other brands are available), whose foot-switch behaviour (or polarity as it is often referred to), is a 'normally closed' switch. In some cases, these foot-switches offer the ability to change the polarity.

Please use a foot-switch designed for '**normally closed**' operation and also, to ensure full compatibility use a **momentary** action foot-switch, or choose a foot-switch that can be set to momentary. This will ensure correct operation with assigned DAW commands.

# SSL 360° Software Overview

## Overview & Home Page

SSL 360° software is not only the 'brains' behind the UF1 control surface, it is also the command centre from which new versions of software and firmware can be downloaded for your 360° compatible device.

The **HOME** screen:



### 1 - Menu Toolbar

This toolbar allows you to navigate through the various pages of SSL 360°.

### 2 - **Update Software** Button

When software updates become available, the **Update Software** button (pictured above) will appear. Click this to download and update your software.

### 3 - Connected Units

This area shows any 360°-enabled devices (including UF1) connected to your computer, along with their respective serial numbers.

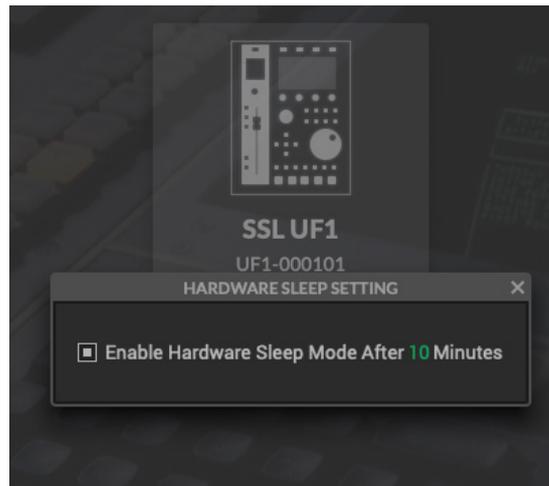
**Please allow 10-15 seconds for units to be discovered once they are plugged in.**

#### 4 - Firmware Updates

If a firmware update becomes available for your UF1, then an **Update Firmware** button will appear below each unit. Click on the button to start the firmware update process, being sure to not disconnect the power or USB cable(s) whilst it is in progress.

#### 5 - Sleep Settings

Clicking this will open a pop-up window that allows you to determine the length of time before your connected 360° control surfaces go into Sleep mode. Simply click your mouse in the green digit area and type a number between 1 and 99. To force a control surface out of sleep mode, press any button or move any control on the surface itself. You can untick the box to disable Sleep mode.



#### 6 - About

Clicking this will open a pop-up window detailing software licensing relating to SSL 360°.

#### 7 - SSL Socials

The bar at the bottom has quick links to the SSL website, Support section and SSL Socials.

#### 8 - Export Report

Should you encounter any issues with your UF1 or SSL 360° software, you may be asked by a support agent to use the **EXPORT REPORT** feature. This feature generates a text file containing the essential information about your computer system and UF1, alongside technical log files relating to SSL 360° activity, which may help to diagnose any issues. When you click **EXPORT REPORT**, you'll be asked to choose a destination on your computer to export the generated .zip file to, which you can then forward onto the support agent.

#### 9 - SSL 360° Software Version Number

This area displays the version number of SSL 360° that is running on your computer. Clicking on the version text will take you to the Release Notes information on the SSL website.

## Control Setup Page

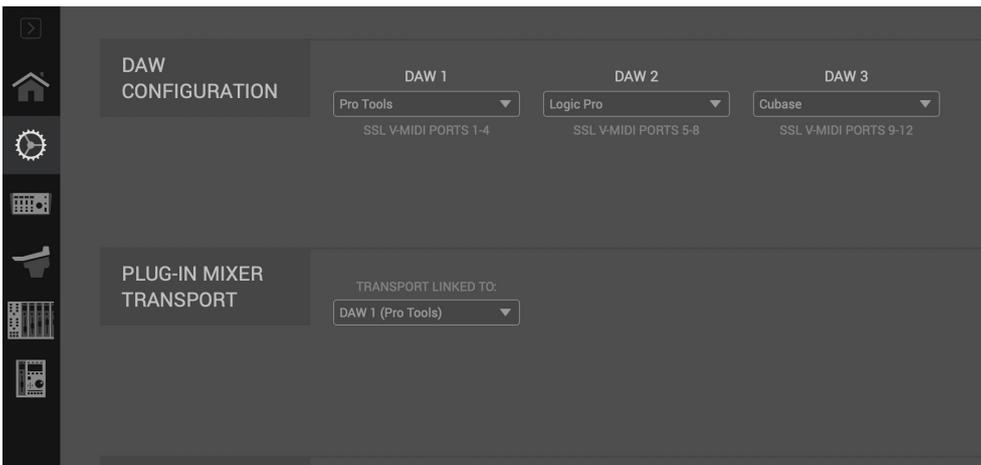
### DAW Configuration

The **CONTROL SETUP** page in SSL 360° allows you to nominate up to 3 different DAWs for use with UF1. In the **DAW CONFIGURATION** section, select up to 3 DAWs using the drop-down lists. In the example pictured below, **DAW 1** is set to Pro Tools, **DAW 2** is set to Logic Pro and **DAW 3** is set to Cubase. Once you have nominated the DAW(s) on this page, they will become available for you to assign to each UF1 Layer on the **UF1** Page (covered in more detail on the following pages).

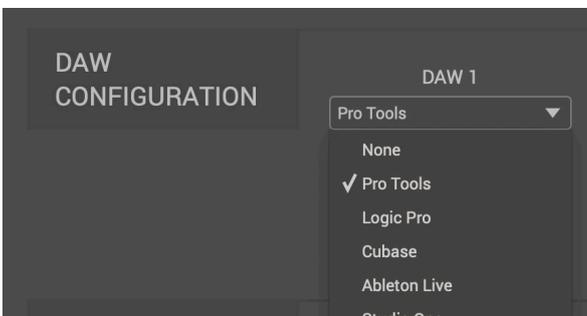
**DAW 1 (LAYER 1):** SSL V-MIDI Ports 1-4

**DAW 2 (LAYER 2):** SSL V-MIDI Ports 5-8

**DAW 3 (LAYER 3):** SSL V-MIDI Ports 9-12



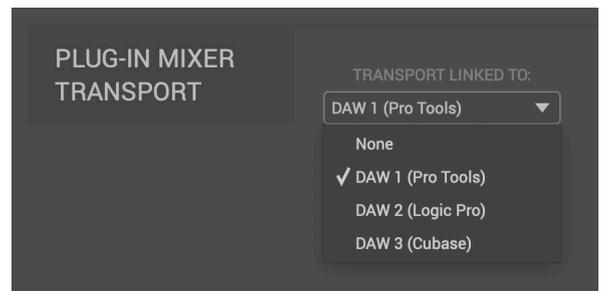
Select your DAW from the drop-down list, starting with DAW 1. If you only use 1 DAW then leave DAW 2 and DAW 3 set to 'None'.



DAW drop-down list

### Plug-in Mixer Transport

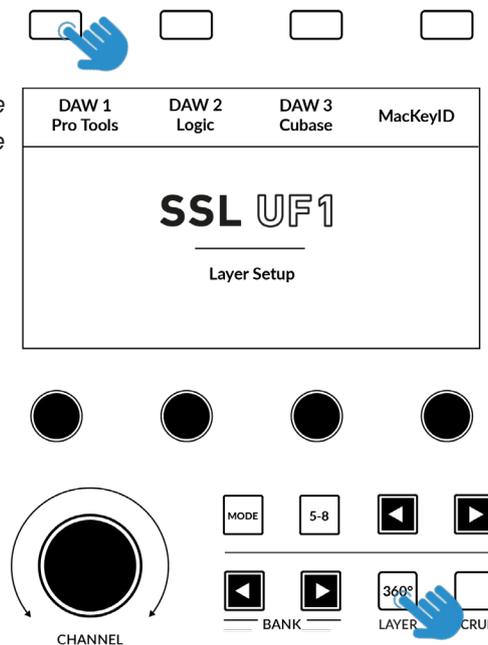
When a UF1 layer is set to control the SSL 360° **Plug-in Mixer**, the transport keys on the bottom of UF1 and the jog wheel will operate the DAW's Transport commands. The DAW that drives (the one that is linked to) these buttons on UF1 must be selected from the drop-down list here. You'll be able to choose from any of the 3 DAWs you have nominated in the **DAW CONFIGURATION** section.



## Switching the control layer from UF1 (Layer Set Up)

On UF1, you can switch between up to 3 different DAWs Layers that you have configured (or between DAWs and the SSL 360° Plug-in Mixer). To do this, hold down the **360°** Button. Whilst keeping it held, select the desired DAW (or Plug-in Mixer) using the soft keys at the top of the UF1.

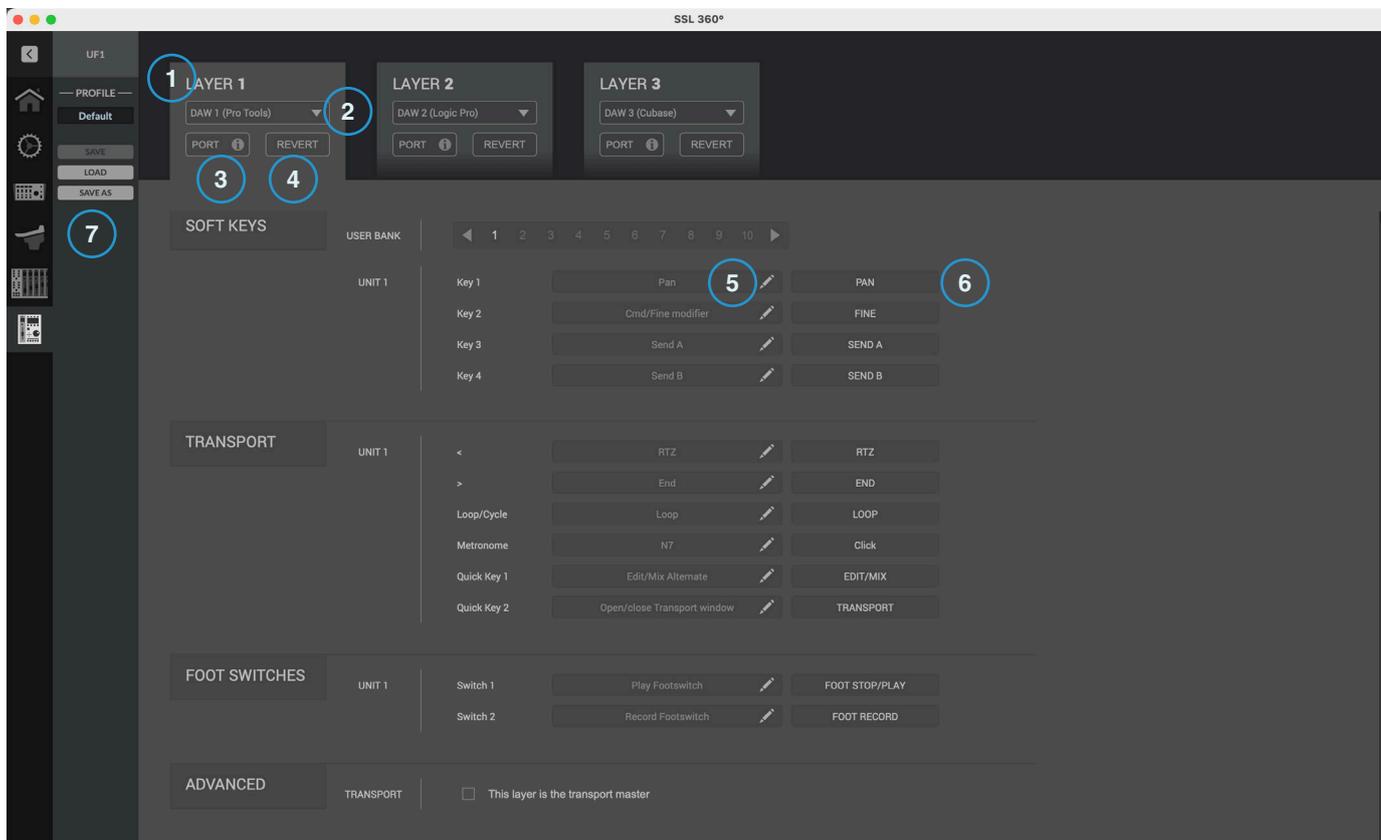
*STEP 2: Select the desired DAW layer via the associated Soft Key.*



*STEP 1: Enter UF1 Layer Mode by pressing & holding the 360° key.*

## UF1 Page

The UF1 page can be selected from the menu toolbar on the left-hand side and is where you configure UF1 to work with your DAW(s). It is also the place where you can customise any of the user-assignable keys. Customised DAW profiles can then be saved and loaded as .xml files should you need to work on another computer with SSL 360° installed.



### 1 - LAYER Tabs

UF1 can be configured for 3 different DAWs simultaneously, with each DAW occupying what is called a 'Layer'. If you only use one DAW, then it is likely you'll only need one layer. If using multiple DAWs (or a DAW and the SSL 360° Plug-in Mixer), simply click in the **LAYER 2** or **LAYER 3** tabs to configure as appropriate.

### 2 - DAW / Plug-in Mixer Profile Selection

Use the drop-down list to select your DAW for the chosen layer, or to set a layer to control the Plug-in Mixer. The DAW you can select is determined by the choice you made on the **CONTROL SETUP** page. See the previous page of this User Guide for more information.

### 3 - PORT INFO

Clicking on **PORT INFO** provides some basic instructions on how to configure your **SSL V-MIDI** ports correctly (useful as a reminder). If you are configuring UF1 for the first time, please refer to the more detailed explanations found at the start of each DAW Tutorial section as the **PORT INFO** does not cover every detail.

### 4- REVERT

Allows you to revert this Layer to the factory-shipped DAW profile.

### 5 - DAW Command/Keyboard Shortcut Assignments

Clicking on the pen symbol will allow you to change the assignment of any of the user-assignable keys. See the next page for more information.

## 6 - Short Label

Using your computer keyboard, you can type the label that you wish to appear on the UF1 LCD just below the User Key.

## 7 - Profile Name and **SAVE/LOAD/SAVE AS** Buttons

Allows you to save your customised DAW profiles as an .xml file to your computer or any connected hard-drives. The name of the currently active profile is shown above these buttons. If you have made any changes to the saved profile, then 'unsaved changes' will appear beneath the profile name

## Built-in Auto-Saving Feature

Changes you make to the software are automatically stored in the background, so you don't need to worry about remembering to save each time you change something in SSL 360° software.

## User-Assignable Keys

A number of keys on UF1 are user-assignable and can be changed from their factory shipped assignments. Each UF1 unit has the following user-assignable keys:

- 10 pages of 4 x Top-Row Soft Keys (40 keys total)
- 6 x Secondary Transport Keys
- 2 x Foot-switches

All of these keys can have either DAW commands or keyboard shortcut sequences assigned to them.

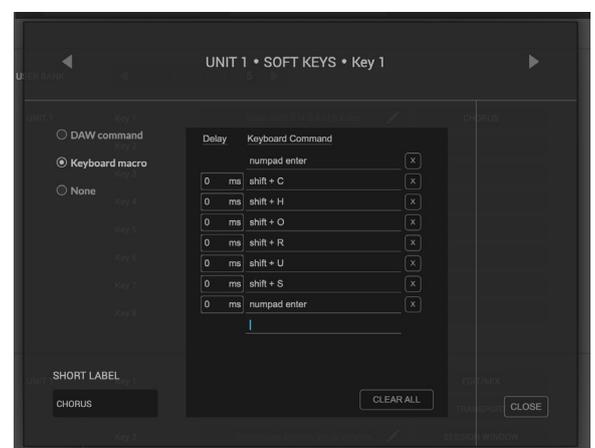
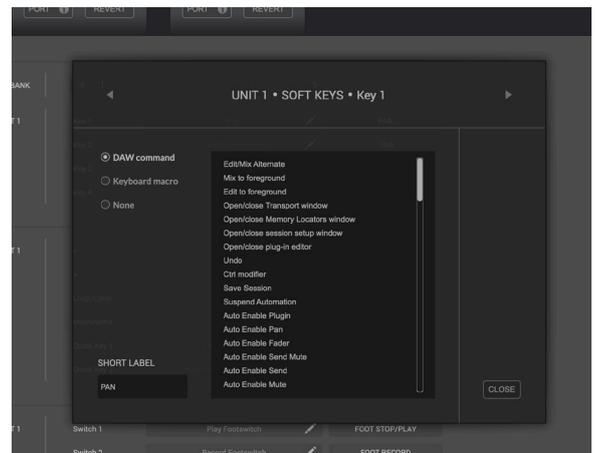
## Assigning DAW Commands

Clicking on the pen symbol for any user-assignable key will bring up a pop-up window, from which **DAW command** can be selected using the radio buttons on the left-hand side. To assign a different DAW command to the button in question, simply select one from the list of available HUI/MCU commands. The **SHORT LABEL** text field allows you to enter the label you want to appear on the LCD to accompany this command. The list of available commands depends on the selected DAW.

## Assigning Keyboard Shortcut Sequences

If you would like to assign a keyboard shortcut or shortcut sequence, select the **Keyboard macro** option. Once selected, simply click your mouse cursor into the area that says '**Type your commands here...**' and use your keyboard to enter the desired key press or sequence. When adding a sequence of multiple commands, you can enter a delay at the start of each line. This can be useful for certain DAW operations where DAW windows or menus are sometimes slow to open - it means you can add delays where necessary to ensure the sequence is properly executed (not executed too quickly).

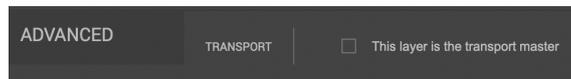
Should you make a mistake and need to start again, you can use the **CLEAR ALL** button. Alternatively, you can use the individual **X** buttons to delete particular lines. The **SHORT LABEL** text field allows you to enter the label you want to appear on the LCD to accompany this keyboard shortcut sequence.



## ADVANCED Setup Options

### Transport Master

If you are running multiple DAWs that are linked using MIDI timecode, then you can designate 1 of the 3 DAW profile layers to be transport master. This means that the transport keys will always trigger from the DAW assigned as Transport Master, even if your UF1 is controlling a different DAW Layer.



### ADVANCED Setup Options - HUI

The following tick-box options are presented for Pro Tools profile selections only:



**Always Fine Pan** - Enabling this option will automatically change the operation of the V-Pots to **FINE** mode when controlling pans. This will also cause the Pan position to be displayed on the LCD whilst being turned.

**Always Fine Sends** - Enabling this option will automatically change the operation of the V-Pots to **FINE** mode when controlling Sends. This will also cause the Send level to be displayed on the LCD whilst being turned.

**Show Auto State** - Enabling this option will display an indication of the Pro Tools automation state (READ/WRITE/TRIM) per channel, just above the DAW metering on the LCD at all times. If TRIM is engaged, the indication will flash between TRIM and READ or TRIM and WRITE.

---

*"I wish I was blank, I wish I was blank, I wish I could thank, I wish I was blank" - Blank, The Smashing Pumpkins.*

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# DAW Communication

## SSL V-MIDI Ports

UF1 communicates with your DAW using hi-speed USB MIDI communication via a specialised MIDI driver, installed as part of the SSL 360° software. The driver is presented on your computer system as 'virtual' midi ports called **SSL V-MIDI**.

The table below illustrates how the SSL 360° software maps the virtual midi ports to UF1.

DAW LAYER	UF1 Unit
1	SSL V-MIDI Port 1
2	SSL V-MIDI Port 5
3	SSL V-MIDI Port 9

Each DAW varies slightly in the way in which it requires MIDI controller(s) to be setup and these steps are covered in detail in each of the DAW Tutorials.

## DAW Protocols

**SSL V-MIDI** provides the means of communication between UF1 and the DAW but the protocol (or in other words 'language') that is being spoken depends on the DAW's preferred method of communication with external control surfaces. Furthermore, even DAWs that use the same protocol vary in their application of that protocol (you could draw an analogy to varying dialects found within different geographical regions of the same country). Each DAW Tutorial will aim to guide you through each DAW's implementation of the protocol that they have chosen to implement and how it applies to UF1.

## HUI

The HUI (Human User Interface) protocol is the way in which Pro Tools communicates with UF1. In certain areas, we have added SSL software 'magic' on top of the HUI implementation in order to provide an enhanced workflow for those using UF1 with Pro Tools.

## MCP/MCU

The MCP (Mackie Control Protocol), also commonly referred to as MCU, is the way in which many DAWs such as Logic, Cubase/ Nuendo, Live, Studio One, LUNA and Pyramix communicate with UF1. The implementation of MCU differs between DAWs and traditionally, if you had an MCU control surface and were not using Logic, you would have to place a special overlay onto the surface so that the buttons were labelled with the correct functions. With UF1 we have designed the surface in such a way to eliminate the need for any special overlays, in part by using the top-zone of the LCDs to provide labels for the functions hosted on the buttons that reside just above. The functions and labelling of the buttons dynamically change, as appropriate, depending on the currently loaded DAW profile.

## NATIVE INTEGRATION (SSL 360° Plug-in Mixer)

Control of the SSL 360° Plug-in Mixer is done natively via our own proprietary protocol and therefore uses neither HUI or MCU.

# Pro Tools with UF1 - Tutorial

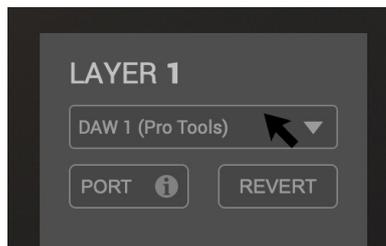
The following tutorial guides you through configuring and using the default Pro Tools profile on **LAYER 1** of UF1. If you wish to configure Pro Tools on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports.

## SSL 360° Setup

1. Open the SSL 360° application on your Mac or Windows computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Then, go to the **UF1** page and set **LAYER 1** to **Pro Tools** using the drop-down list. If Pro Tools is not available from the drop-down list it is because you have not configured it as DAW 1 on the [CONTROL SETUP](#) page - ensure you do this first.



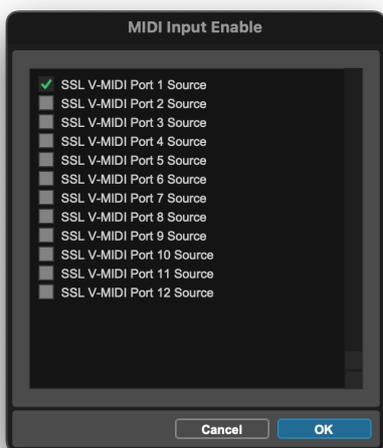
STEP 1 : Open SSL 360° application. Check your UF1 has been detected.



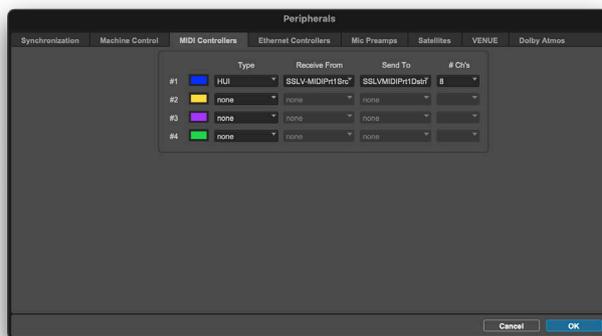
STEP 2 : Select the default Pro Tools DAW profile from the UF1 page.

## Pro Tools Setup

3. Open Pro Tools. Go to the **Setup** Menu > **MIDI** > **MIDI Input Devices...**. In this list, ensure that any **SSL V-MIDI** Ports you need are ticked. e.g. if configuring UF1 on Layer 1, tick **SSL V-MIDI Port 1 Source**.
4. Go to the **Setup** Menu > **Peripherals** > **MIDI Controllers** tab. Configure the UF1 unit as a **HUI** Type. Set **Receive From** as **SSL V-MIDI Port 1 Source** and then **Send To** as **SSL V-MIDI Port 1 Destination**.

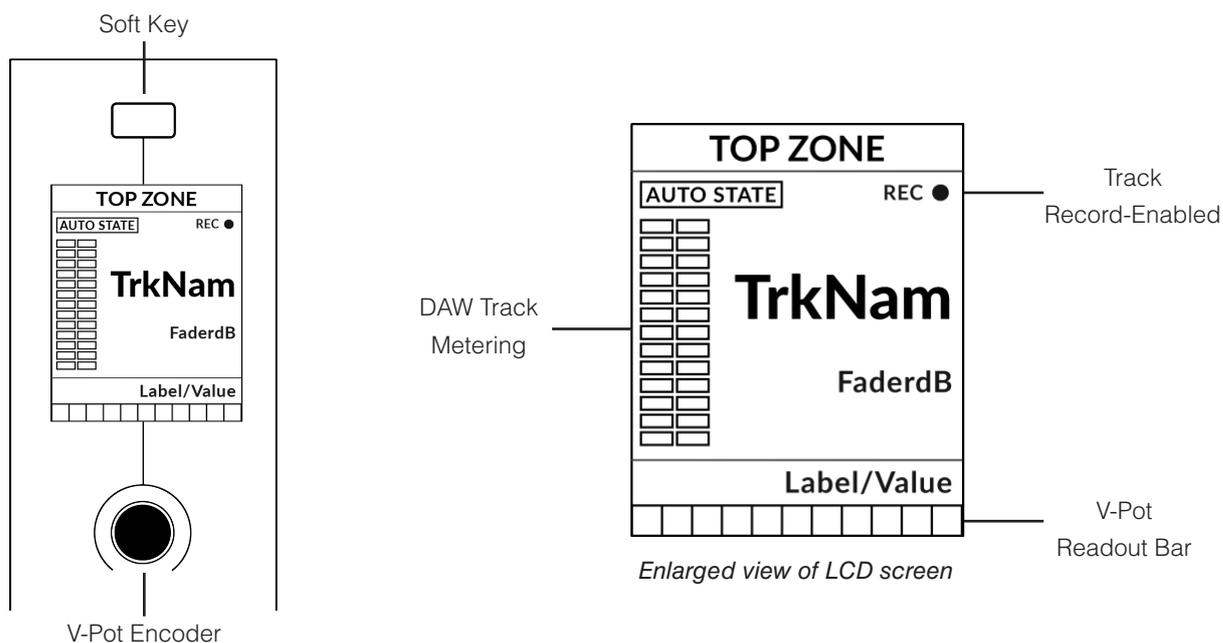


STEP 3 : Enable SSL V-MIDI Port(s) in Pro Tools.



STEP 5 : Configure the UF1 unit as a HUI type. Set Receive From as SSL V-MIDI Port 1 and Send To as SSL V-MIDI Port 1.

## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the soft key directly above.

**Auto State** - Shows the current automation state of the track (when **Show Auto** is enabled in SSL 360°).

**Track Record Enabled (REC)** - Indicates that the track has been record-enabled.

**TrkNam** - Displays the 4-character track name.

**FaderdB** - Provides a readout of the current fader position.

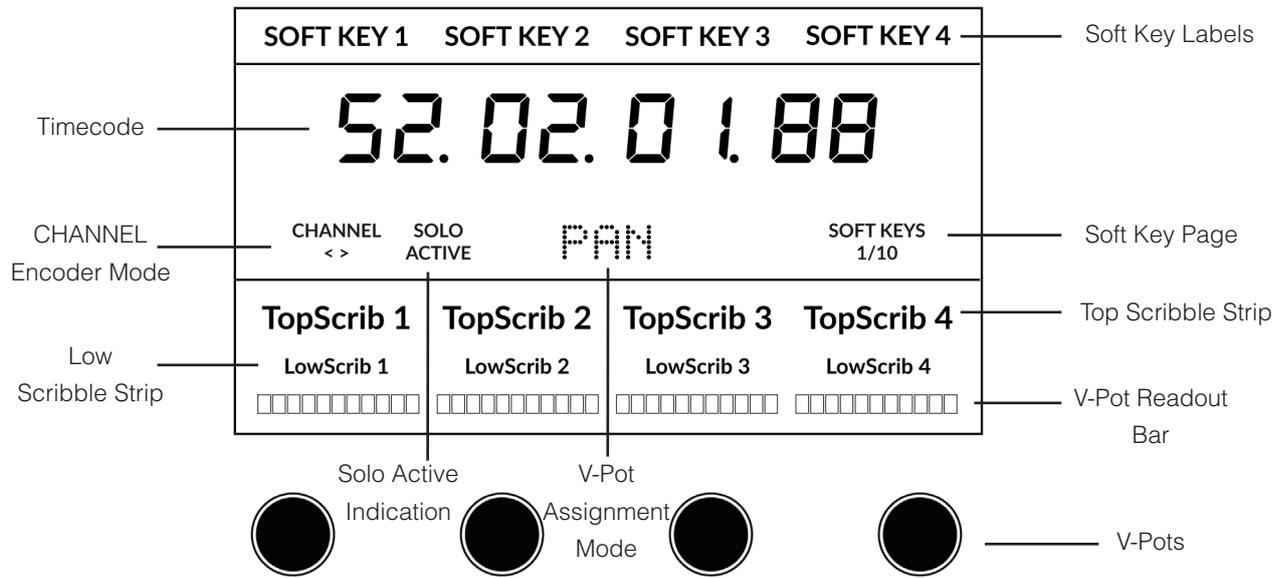
**Label/Value** - Displays a label or value readout for the parameter currently assigned to the V-Pot.

**DAW Track Metering** - 12-segment track metering + clip

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

*Track Metering Power Tip: The **F1** command, available in the DAW commands list SSL 360° will clear clips on the track metering. You can assign this command to any of the configurable soft keys on UF1. Alternatively, you'll find this command preassigned to the 2nd soft key in Soft Key Page 7.*

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats/Mins:Sec/Timecode/Feet+Frames/Samples.

**Channel Mode** - Indicates the current **CHANNEL** encoder Mode.

**Solo Active Indication** - Indicates if there are any active solo'd tracks.

**V-Pot Assignment Mode** - Displays the current V-Pot Assignment Mode. e.g. Pan, Send A, Send B etc.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the 4-character track name for tracks 1-4 or 5-8 of the current controller bank.

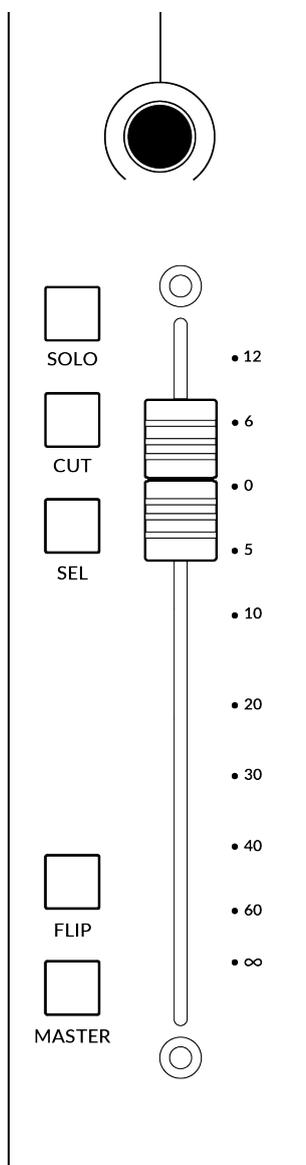
**Low Scribble** - Displays a label or value readout for the parameter currently assigned to the V-Pot.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Pro Tools.



### V-Pot

At the top of the strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active (Pan, Send etc). These modes are explained on the pages that follow.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Pro Tools tracks and is great for balancing mix levels and riding volume automation.

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Pro Tools track.

Double-pressing a **SEL** key will open up the Pro Tools re-name track window on your computer screen.

### Flip

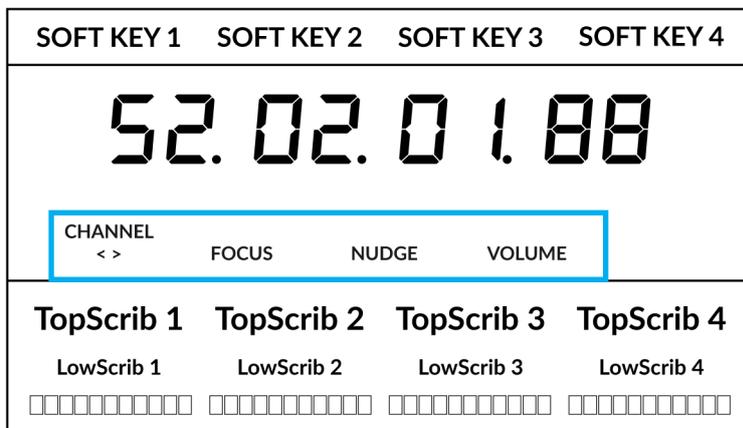
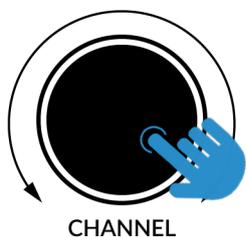
Sends can be flipped to the fader using the **FLIP** key. This is useful for riding Send levels or creating headphone mixes. In **FLIP** mode, the V-Pot will control the Pan of the currently selected Send.

### Master

Master is disabled in Pro Tools and has no function.

## Channel Encoder

Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.



< >

By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

### Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

### Nudge

Nudge mode will allow you to move the selected audio region(s) backwards and forwards by the Nudge value you have set within Pro Tools.

### Volume

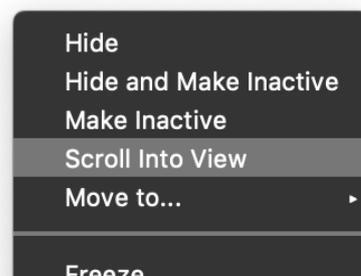
The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## Scroll Into View

The 'Scroll Into View' feature offered by Pro Tools is a handy way to select a track within Pro Tools and make UF1 follow the selection.

In Pro Tools, simply right-click with your mouse in the selected track area (white area) and choose 'Scroll Into View'.

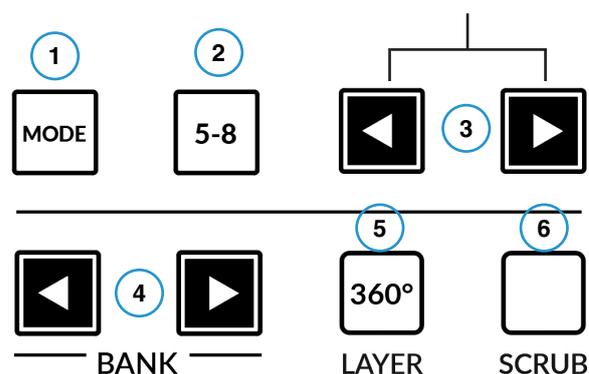
There is a super-handy keyboard shortcut for Scroll Into View, that is: **Shift+Ctrl+Mouse click** in the selected track area (white area) of the Pro Tools GUI.



## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



### General DAW (white)

The 4 x V-Pots beneath the large display control pans or sends across 4 tracks in the current controller bank.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Plug-in Control (cyan) - "PLUG"

The V-Pots and soft keys control Plug-in parameters of any plug-in. More detail on plug-in control is provided later in this Tutorial.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.

### 5-8 Key (Button 2)

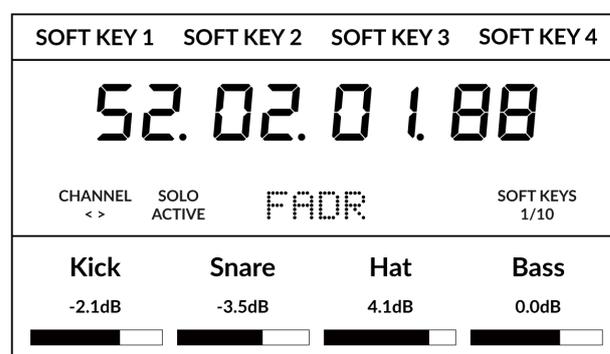
Assigns the V-Pots to control tracks 5-8 of the current controller bank.

### Soft Key Page Banks (3)

Allows you to move through various pages of parameters that are assigned to the soft keys. Also allows you to page through the pages of plug-in parameters in Plug-in Control mode.

### Bank Keys (Button 4)

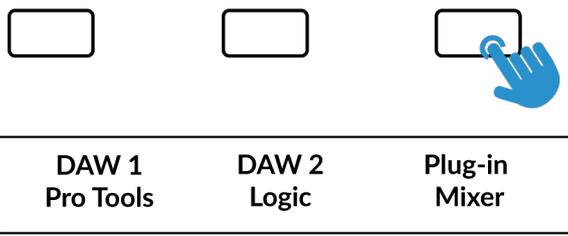
The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.



Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 360° / LAYER selection Key (Button 5)

A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.



*Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.*

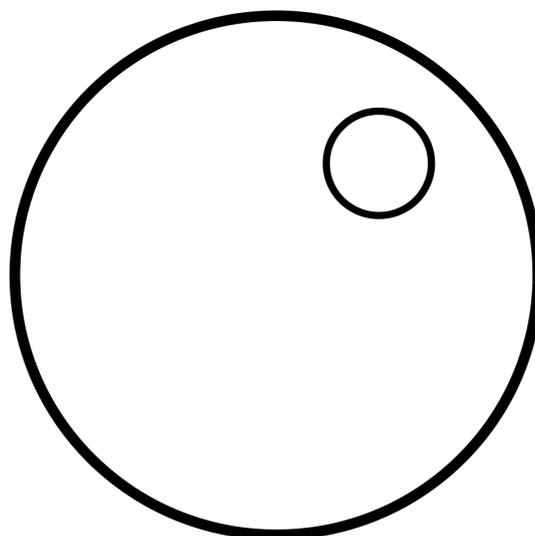
### SCRUB Key (Button 6)

The **SCRUB** key puts the jog wheel into scrub mode. Scrolling through the DAW timeline with the playhead playing back audio at the speed of the Jog Wheel rotation.

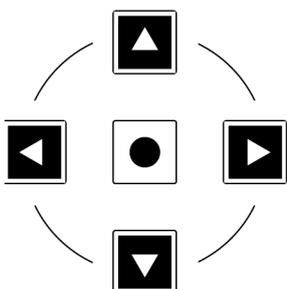
### Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.

It's also possible to move the Jog wheel into **SHUTTLE** mode, which is preassigned to Soft Key 3 in Soft Key Page Bank 10.



### Cursor Keys and Mode Key



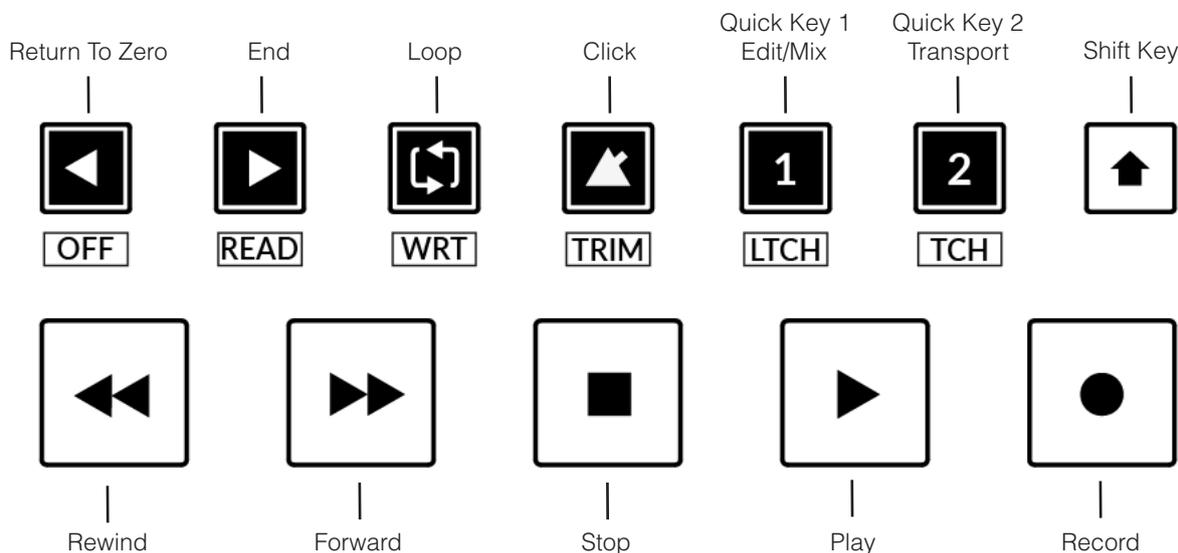
To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre.

When the Mode key is lit the cursor keys perform horizontal and vertical zooming.

Pressing the Mode key again, the left and right cursors move between audio clip edit points, or, tab between transients if Tab To Transient is active in Pro Tools. Up and down will move the edit cursor between tracks.

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind, Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Return to Zero, Go to End, Loop on/off, metronome/click on/off and two quick keys. In Pro Tools, Quick Key **1** is preset to switch between Mix & Edit windows and Quick Key **2** opens & closes the transport window.

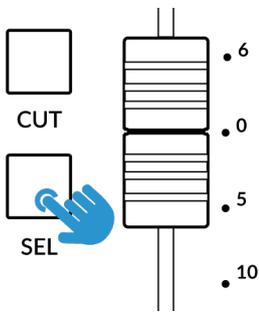
## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing the **SHIFT** button and provide access to the automation modes within Pro Tools.



## Automation

To select the automation mode for the DAW track shown on the UF1 fader, you will first need to press the **SEL** key. Next, engage the **SHIFT** key to change the secondary transport keys to be automation keys. Finally, press the secondary transport key that matches your desired automation mode.



*STEP 1: Use the SEL key to select the track.*



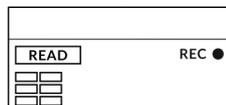
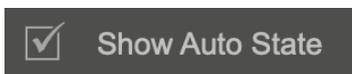
*STEP 2: Engage the SHIFT KEY to re-purpose the secondary transport keys to be automation keys.*



*STEP 3: press to select the automation mode you wish to set the track to.*

## Show Auto State

Within SSL 360°, on the UF1 page under **ADVANCED** there is the tick-box option for **Show Auto State**. Enabling this will provide a constant indication of the current automation state of each track in the top-left of the LCD - **READ**, **WRITE** or **TRIM**.



## V-Pot Assignments

When working in the **General DAW** and **DAW Faders** modes, the Soft Keys along the top of UF1 allow you to access various V-Pot assignment modes such as Pan and Sends.



### Pan

Set the V-Pots to control the **PAN** position of the channel. Clicking the V-Pot will return Pan to the centre position. For Stereo channels, the **PAN** position affects the Left channel but this can be changed to control the right channel being selected by pressing the **PAN** key again to control the right. The **PAN** soft key will flash to indicate it is operating on the right-hand side and the V-Pot Assignment text in the centre of the screen will show **PANR**. Simply press the **PAN** key again to return to controlling the left-hand side.

### Fine

Press and hold the **FINE** key whilst turning a V-Pot that is controlling Pans or Sends, to operate in a fine resolution. Whilst operating in fine mode, a numeric value readout is also shown on-screen.

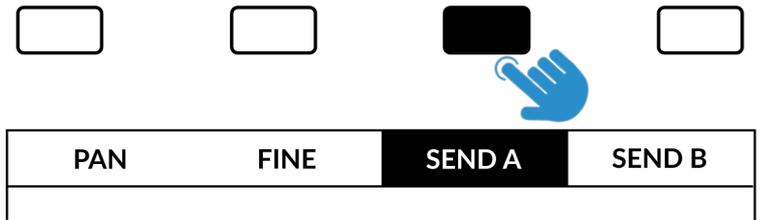
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*If you prefer the FINE behaviour and would like FINE mode to be engaged automatically every time you turn a V-Pot in Pan or Send modes, you can enable the 'Always Fine Pan' and/or 'Always Fine Sends' in SSL 360°, on the UF1 page under ADVANCED settings.*

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### Sends - Level

The soft keys labelled **SEND A-E** (found within Soft Key Pages 1 and 2) will allow you to control send levels A-E on the V-Pots. The V-Pot readout bar will display the Send position on the LCD. Pushing on the V-Pot will default a send to 0 dB (providing the **SEND DFLT** function is active). Sends F-J are unavailable to assign as they are not made available for control by Pro Tools. To assign Sends to the V-Pots, select the Send slot (A-E) you wish to control using the appropriate Soft Key. Pressing the Send Slot Soft Key again will toggle the Bus Assignment name to show on-screen briefly. If the channels in the current channel bank have any Sends assigned to that Send slot, the level will be shown on the V-Pot readout bar. If no send has been assigned to the channel, then the lower Scribble strip will remain blank. Don't forget you can press and hold the **FINE** key to get a finer resolution and numeric readout whilst adjusting send levels.



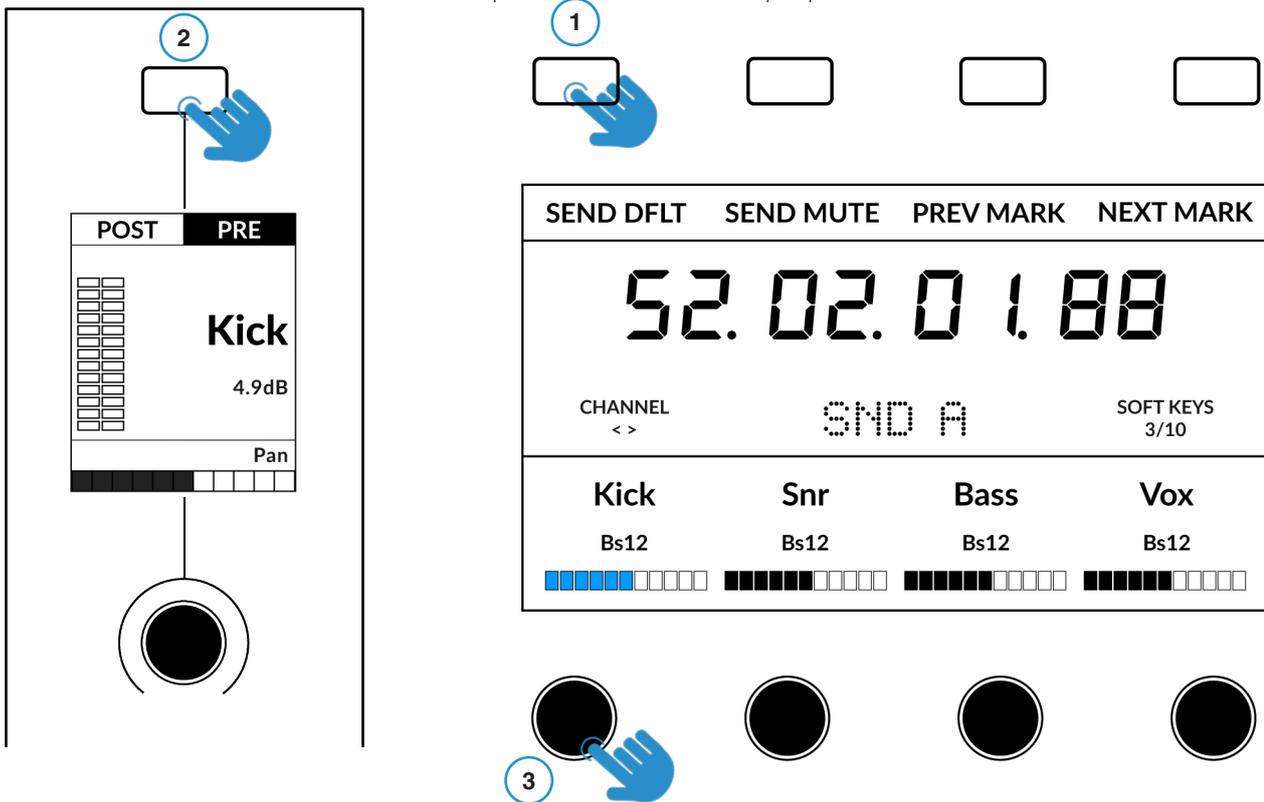
### Flip

Sends can be flipped to the faders using the **FLIP** key. This is useful for riding Send levels or creating headphone mixes using faders instead of V-Pots. In **FLIP** mode, the V-Pots control the Pan of the Send.



### Sends - Pre/Post

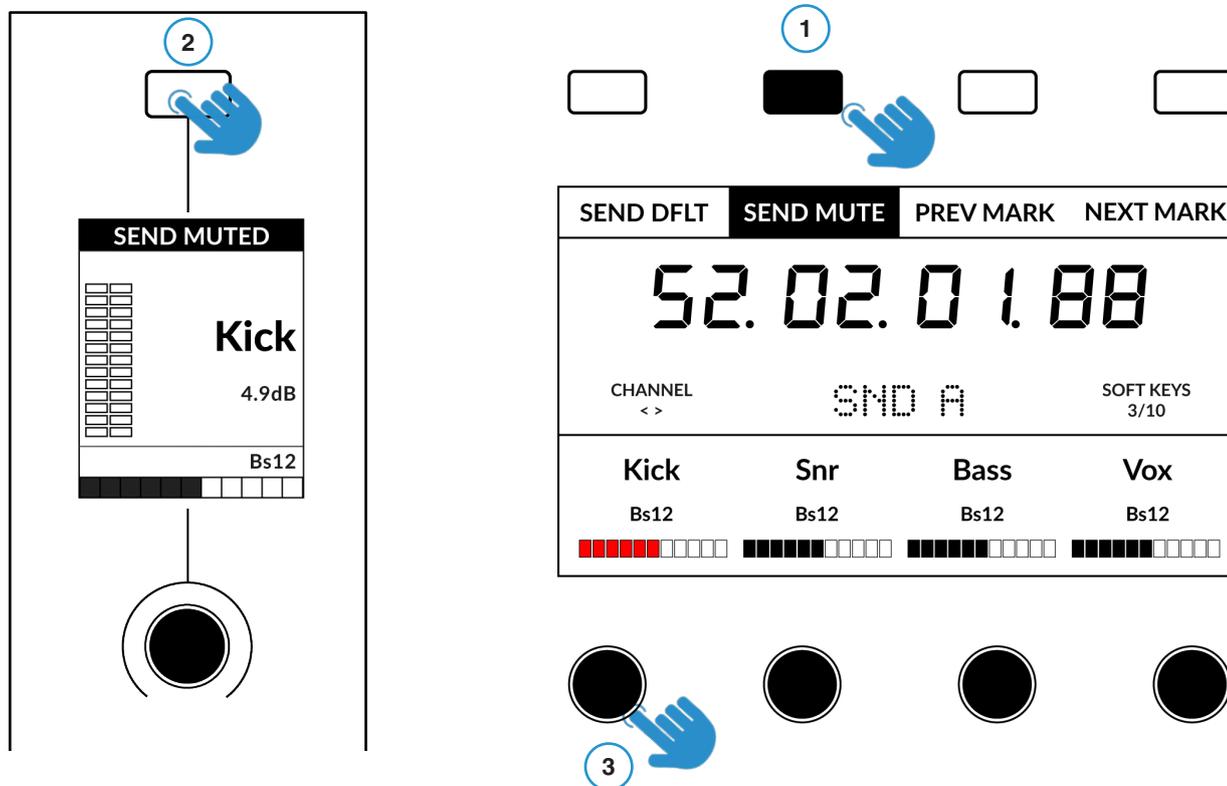
Disengaging the **SEND DFLT** key (Soft Key Page 3, 1st Key) will allow you to control send pre/post states. On the channel shown on the fader strip, you can use the soft key above the small display to do this. On the channels shown across the large display, the V-Pot push function will control pre/post states.



- 1 - Disengaging the **SEND DFLT** key allows send pre/post to be controlled.
- 2 - Small LCD Soft Key - press to toggle pre/post state for the channel on the fader strip.
- 3 - Large LCD V-Pots - push the V-Pots beneath the large screen to control pre/post states on these channels.

## Sends - Mute

Engaging the **MUTE** key (Soft Key Page 3, 2nd Key) will allow you to control send mutes. On the channel shown on the fader strip, you can use the soft key above the small display to do this. On the channels shown across the large display, the V-Pot push function will control send mutes.



- 1 - Engaging the **SEND MUTE** key allows send mutes to be controlled.
- 2 - Small LCD Soft Key - press to toggle send mute on/off for the channel on the fader strip.
- 3 - Large LCD V-Pots - push the V-Pots beneath the large screen to control send mutes on these channels.

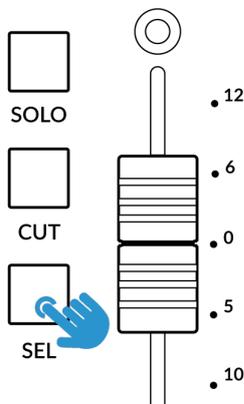
## Plug-in Mode

Plug-in Mode provides a smart way of controlling plug-in parameters for Inserts A-E of the selected track, whilst automatically opening the plug-in GUI at the same time. Please note that the plug-in must already be inserted in Pro Tools.

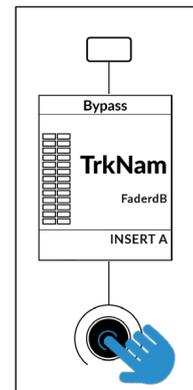
1. To enter Plug-in Mode, press **MODE** key and cycle until it lights cyan and **PLUG** is shown in the centre of the display. Alternatively, long press the **MODE** Button & select the **PLUGIN** option from the top-row of soft keys.
2. Use the **SEL** key on the fader channel to select the track.
3. Rotate the V-Pot underneath the small display to choose an insert slot (A-E) press the V-Pot to select. The available parameters are displayed on the large display and controllable from the 4 x V-Pots beneath it. Switch functions might also be available (plug-in dependent) across the 4 soft keys at the top.
4. Use the Page < > keys to navigate through the different pages of parameters the plug-in presents.



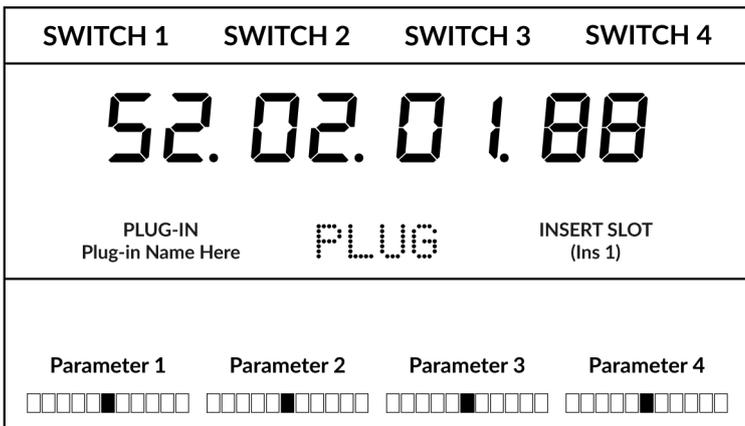
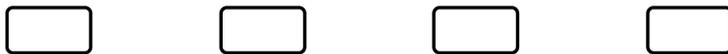
STEP 1: Enter Plug-in Mode by pressing the **PLUGIN** key - **MODE** button lights cyan.



STEP 2: Use a **SEL** key to select the track.



STEP 3: Select an insert slot using the V-Pot to scroll through the insert slots A-E and push to load.



STEP 4: Use the Page keys to move through the plug-in parameter pages.



---

### *Working in Plug-in Mode*

- The **F5** command, available in the DAW commands list (preassigned to the Soft Key Page 7, 2nd key) allows you to toggle the V-Pots between Fixed and Velocity-Sensitive modes, which apply to controlling plug-ins specifically. Some plug-ins respond better to Fixed Sensitivity and some are better with Velocity-Sensitive mode.
- In the Pro Tools session, you will see the currently selected insert slot on screen have a thin blue outline around it - please note when working in Plug-in Mode, you will not see the Pro Tools track selection itself change.
- The parameters of each plug-in will be laid out on V-Pots 1-4 and Soft Keys 1-4.
- Plug-In Bypass is available to toggle by selecting the Soft Key above the Small LCD screen on the Fader Channel. If you wish to use the COMPARE function, then press the **FLIP** key and the Soft Key will instead toggle this.
- Although you cannot select Insert Slots F-J directly from UF1 (Pro Tools does not make them available), once you have selected a track and opened a plug-in in Slots A-E, you can click with your mouse on-screen in Pro Tools on any Insert Slot in F-J and the UF1 surface will be able to control the parameters.
- When automating plug-in parameters in Plug-in Mode, any plug-in parameters in a write-ready automation state will show the current V-Pot bar segment flashing, before changing to become solid when writing automation.

---

### **Meter Plug-In Mode (yellow)**

Meter plug-in mode allows direct control of the SSL Meter plug-in via SSL 360° (not via HUI plug-in control). Because this mode is generic across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.

## Soft Key Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

### SOFT KEYS PAGE 1



PAN	FINE	SEND A	SEND B
-----	------	--------	--------

### SOFT KEYS PAGE 2



SEND C	SEND D	SEND E	FINE
--------	--------	--------	------

### SOFT KEYS PAGE 3



SEND DFLT	MUTE	PREV MARK	NEXT MARK
-----------	------	-----------	-----------

### SOFT KEYS PAGE 4



DEFAULT	Opt/All	QUICK PUNCH	SUS AUTO
---------	---------	-------------	----------

### SOFT KEYS PAGE 5



EDIT TOOL	EDIT MODE	EDIT/MIX	SESSION WIN
-----------	-----------	----------	-------------

### SOFT KEYS PAGE 6



AUD IN	AUD OUT	AUDITION	AUD PRE
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### SOFT KEYS PAGE 7



AUD POST	F1	F5	F8/ESC
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### SOFT KEYS PAGE 8



Ctrl	Opt/All	FINE	Shift/All
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### SOFT KEYS PAGE 9



SEPARATE	CUT	COPY	PASTE
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### SOFT KEYS PAGE 10



REC ARM	REC ARM ALL	SHUTTLE	Keystroke
---------	-------------	---------	-----------

## Assignable DAW Commands List - Pro Tools

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys.

Edit/Mix Alternate	Edit Cut
Mix to foreground	Edit Copy
Edit to foreground	Edit Paste
Open/close Transport window	Edit Delete
Open/close Memory Locators window	Status Auto
Open/close Session Setup window	Status Monitor
Open/close plug-in editor	Status Group
Undo	Group Suspend
Ctrl Modifier	Group Create
Save Session	Play Foot-switch
Suspend Automation	Record Foot-switch
Auto Enable Plug-in	Scrub
Auto Enable Pan	Shuttle
Auto Enable Fader	Default
Auto Enable Send Mute	Kpad Clr
Auto Enable Send	Kpad =
Auto Enable Mute	Kpad *
Option/Alt modifier	Kpad -
Cmd/Fine modifier	Kpad +
Shift/All modifier	Kpad .
Edit Tool	Kpad Enter
Edit Mode	Kpad 0
Fkey 1	Kpad 1
Fkey 5	Kpad 2
Fkey 8/Esc	Kpad 3
Audition	Kpad 4
Audition Pre	Kpad 5
Audition In	Kpad 6
Audition Out	Kpad 7
Audition Post	Kpad 8
RTZ	Kpad 9
End	Send A
Online	Send B
Loop	Send B
Quick Punch	Send C
Forward	Send D
Rewind	Send E
Stop	Pan
Play	Mute
Record	Red/Rdy
Next Marker	Rec/Rdy ALL
Previous Marker	Loop
Last Marker	Click
Reset Marker	UF1 Send Default
Edit Capture	
Edit Separate	

# Logic with UF1 - Tutorial

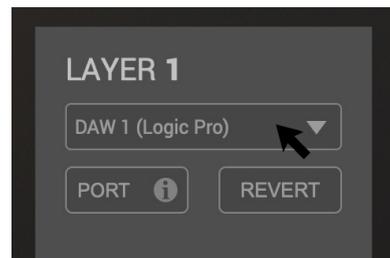
The following tutorial guides you through configuring and using the default Logic Pro profile on **LAYER 1** of UF1. If you wish to configure Logic on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports.

## SSL 360° Setup

1. Open the SSL 360° application on your Mac or Windows computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set **Layer 1** to **Logic** using the drop-down list. If Logic is not available from the drop-down list it is because you have not configured it as DAW 1 on the **CONTROL SETUP** page - ensure you do this first.



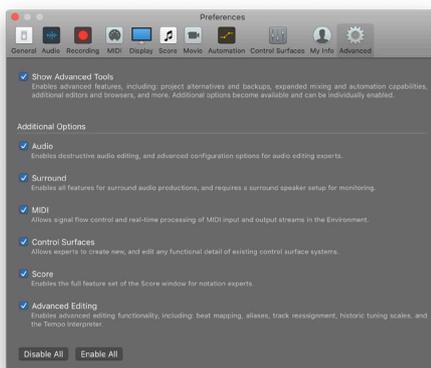
*STEP 1 : Open SSL 360° application.  
Check your UF1 has been detected*



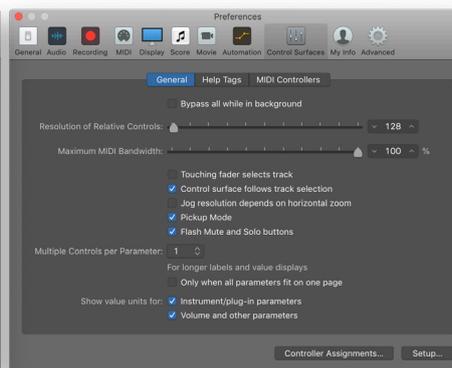
*STEP 2 : Select the default Logic Pro  
DAW profile from the UF1 page.*

## Logic Setup

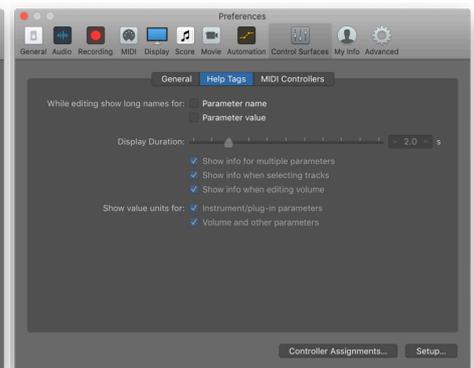
3. Open Logic. Go to **Control Surfaces > Preferences...** and then go to the **Advanced** tab. Make sure **Enable Complete Features** is ticked under **Additional Options**.
4. Within the same **Preferences** menu, go to the **Control Surfaces > General** tab and ensure that 'Multiple Controls Per Parameter' is set to '1' and 'Only when all parameters fit one page' is unticked. Also, increase 'Maximum MIDI Bandwidth' to 100%.
5. Go to the **Help Tags** tab and ensure that 'Parameter name' and 'Parameter value' are both unticked.



*STEP 3 : On the 'Advanced Tab', tick  
'Control Surfaces' in the 'Additional  
Options' section.*



*STEP 4 : On the 'Control Surfaces' >  
'General' tab ensure that 'Multiple Controls  
per Parameter' is set to '1' and 'Only when  
all parameters fit on one page' is unticked.  
Set 'Maximum MIDI Bandwidth' to 100%.*

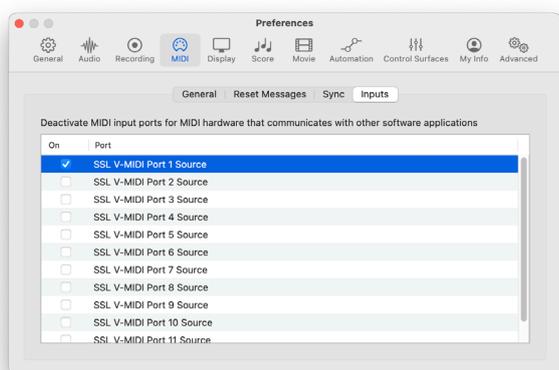


*STEP 5 : On the 'Control Surfaces' >  
Help Tags' tab, ensure that 'Parameter  
name' and 'Parameter value' are both  
unticked.*

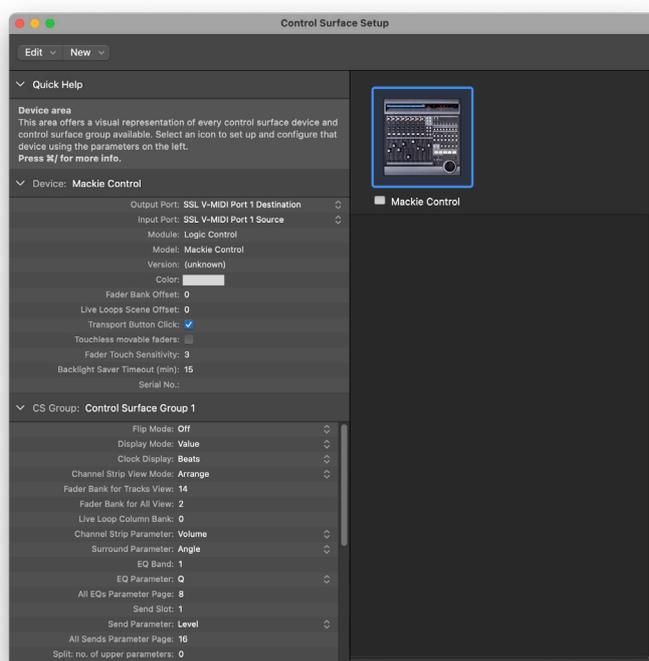
6. Go to **Preferences > MIDI** and select the **Inputs** tab. In this list, ensure that any **SSL V-MIDI** Ports you need are ticked. e.g. If you have UF1 working on layer 1, just tick **SSL V-MIDI Port 1 Source**.

*Versions of Logic preceding 10.5 may not have the 'Inputs' tab available. If so, you can skip this step, as all MIDI ports default to be turned on.*

7. Go to the **Control Surfaces > Setup**. Click **New > Install...** from the drop-down list in the top-left of the window. From the list, choose **Mackie Designs | Mackie Control | Logic Control** and click the **Add** button. Click on the image of the Mackie Control that has been added to the window and in the device setup options list on the left-hand side, configure the **Output Port** to **SSL V-MIDI Port 1 Destination** and set the **Input Port** to **SSL V-MIDI Port 1 Source**.



**STEP 6 :** Enable SSL V-MIDI Port(s) in Logic.  
If you're working with a version of Logic that precedes 10.5, then skip this step.

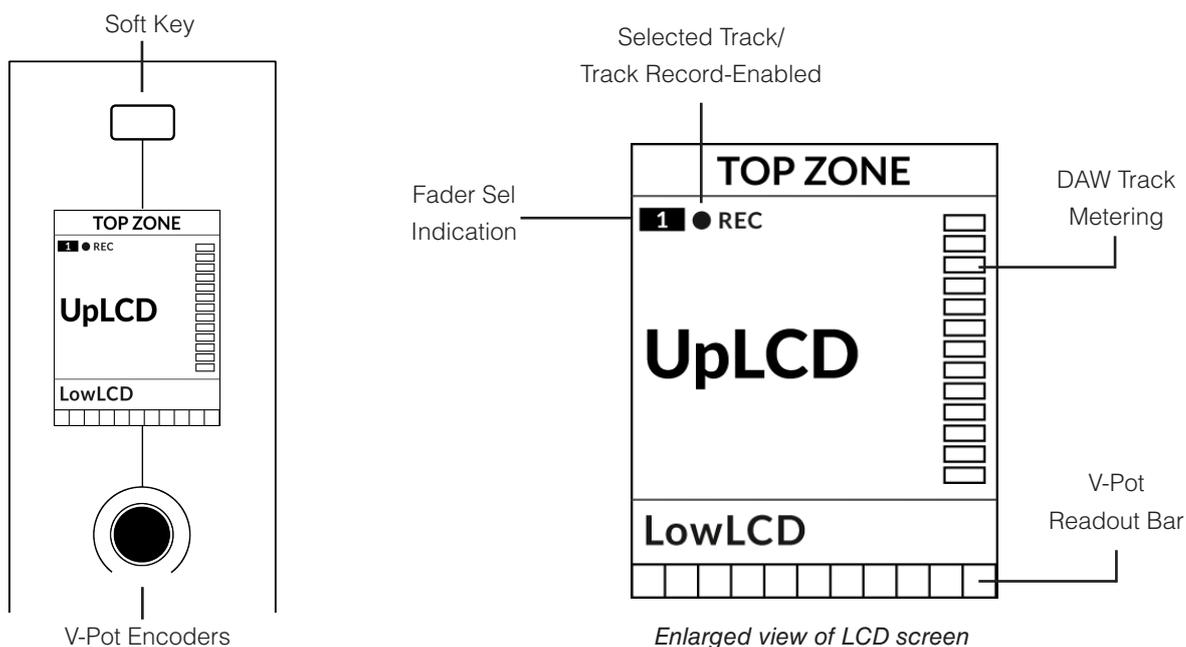


**STEP 7 :** Set up the UF1 as a Mackie Control Unit, then assign the relevant V-MIDI Port Destination & Source for the Input & Output device.

*If you do not see the device setup options list on the left-hand side, press 'i' on your computer keyboard to show it.*

*Ensure that 'Channel Strip View Mode' is set to 'Arrange' in the device setup options list, to ensure that UF1 follows the order of tracks in your Logic arrangement.*

## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the soft key directly above.

**Selected Track / Track Record-Enabled (REC)** - In Logic, the **REC** text follows the currently selected track. If the track is record-enabled, the **REC** text pulses.

**Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.

**UpLCD** - Displays the 6-character track name.

**LowLCD** - Displays a label or value readout for the parameter currently assigned to the V-Pot.

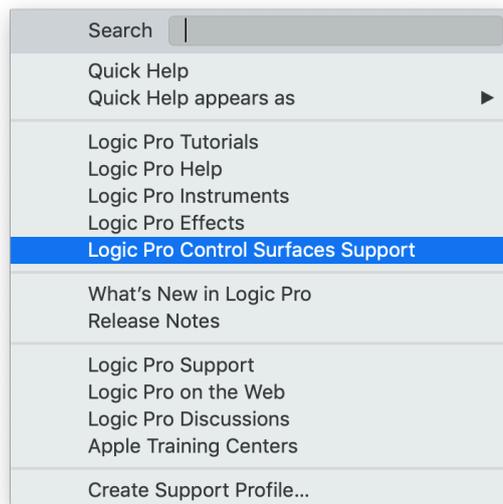
**DAW Track Metering** - 12-segment track metering + clip

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot (encoder) function.

### Before You Start...

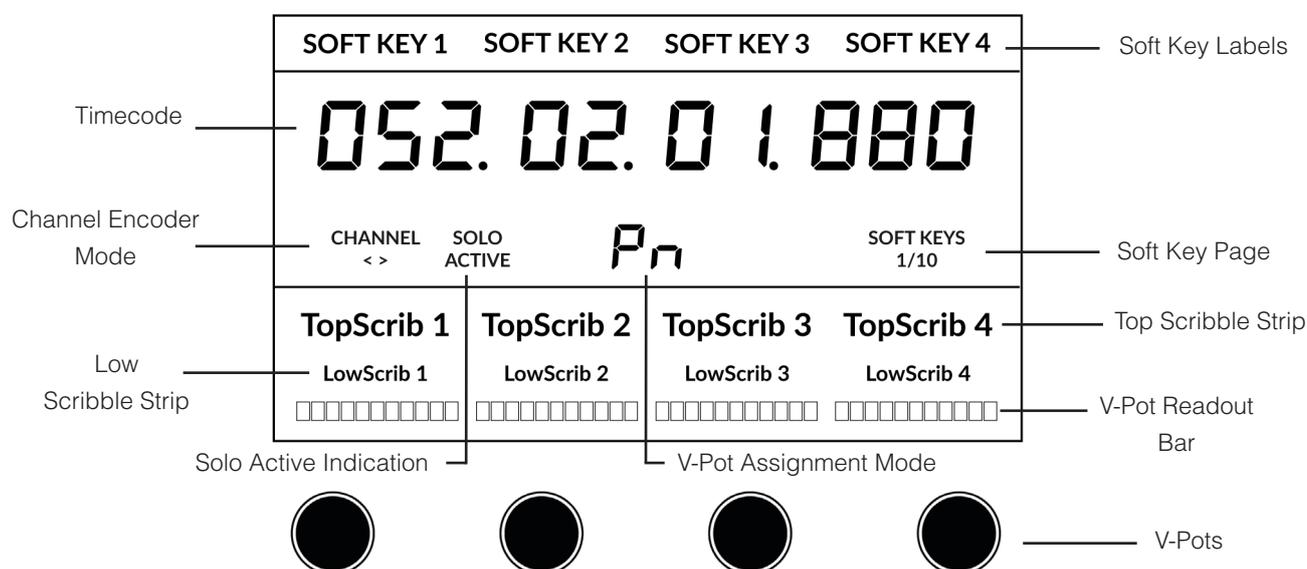
The information in this Logic Tutorial sets out the key features of using UF1 with Logic.

For complete, in-depth coverage of all the functions and features you can control in Logic using UF1, please refer to the Logic **Help Menu > Logic Pro Control Surface Support** document. Open the document and go to the **Mackie Control** section.



*The Mackie Control section of the Logic Pro Control Surfaces Support contains a full Mackie Control Protocol guide.*

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder Mode.

**Solo Active Indication** - Indicates if there are any active solo'd tracks..

**V-Pot Assignment Mode** - Displays the current V-Pot Assignment Mode.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the 6-character track name for tracks 1-4 or 5-8 of the current controller bank.

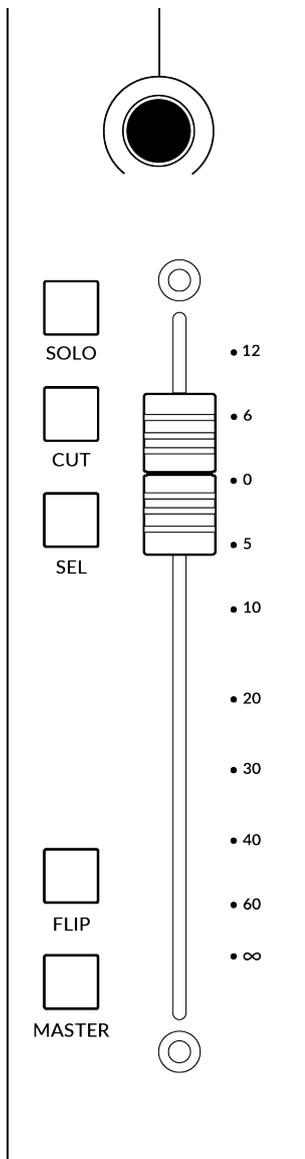
**Low Scribble** - Displays a label or value readout for the parameter currently assigned to the V-Pot.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Logic.



### V-Pot

At the top of the strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active but it is typically used for tasks such as controlling Pan position, Send levels, Plug-in parameters or scrolling through parameter options/lists.

The V-Pot has a push function, which is typically used for either defaulting the position of a parameter being controlled or confirming the selection of a parameter being chosen.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Logic tracks and is great for balancing mix levels and riding volume automation.

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Logic track.

#### *In Use:*

Expect the **CUT** key of UF1 to flash in response to other tracks being solo'd, if the Logic Control Surface preference 'Flash Mute and Solo Buttons' is ticked.

In Logic MCP (Mackie Control Protocol), only one track can be selected using the **SEL** key at a time.

### Flip

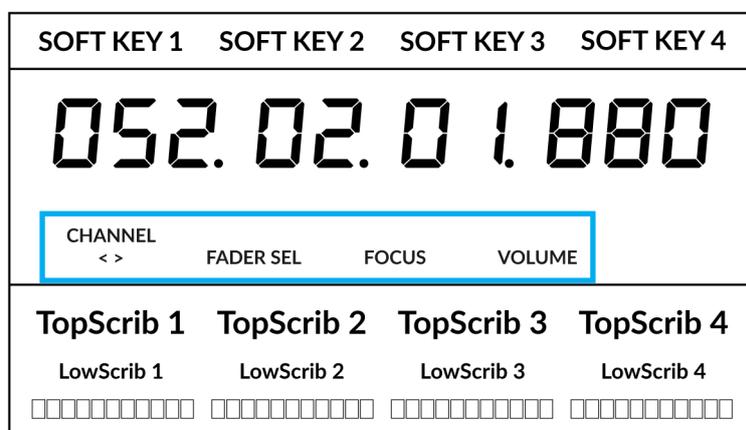
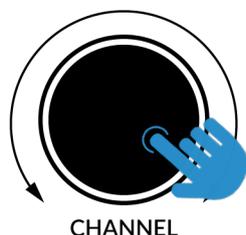
Pressing the **FLIP** key will engage or disengage one of Logic's three possible Flip modes - 'Flip', 'Swap' or 'Zero'. These are useful for various reasons, the most obvious 'Flip' feature allowing you to control V-Pot parameters such as Send levels or Plug-in parameters on the fader instead of the V-Pots. The Flip mode used is configured in the Mackie Control Surface Setup.

### Master

The Master Key enables the UF1 fader to control Logic's Master Fader,.

## Channel Encoder

Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.

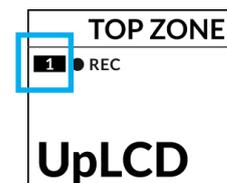


<>

By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

## Fader Sel

Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session.



## Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

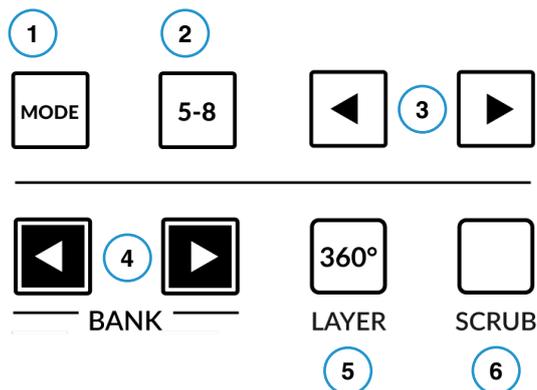
## Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



### General DAW (white)

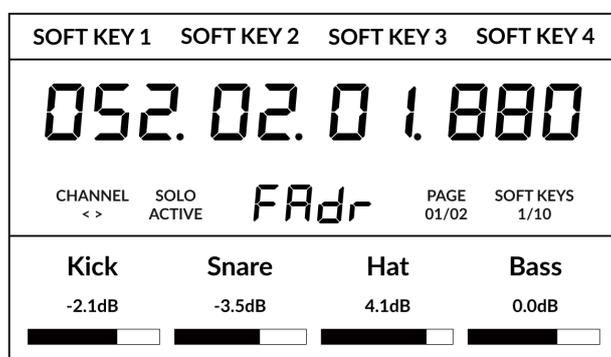
The 4 x V-Pots beneath the large display control various parameters such as pans, sends, plug-ins etc depending on the current V-Pot assignment mode.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.



Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 5-8 Key (Button 2)

Assigns the V-Pots to control tracks 5-8 of the current controller bank.

### Soft Key Page Banks (3)

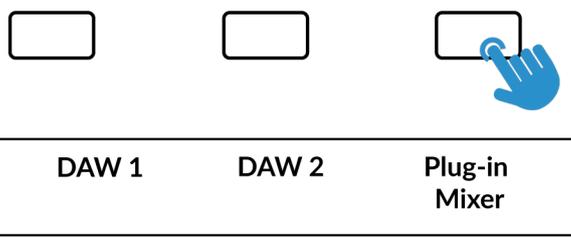
Allows you to move through various pages of parameters that are assigned to the soft keys.

### Bank Keys (Button 4)

The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.

### 360° / LAYER selection Key (Button 5)

A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.



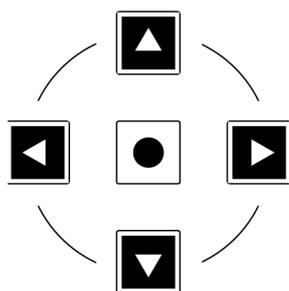
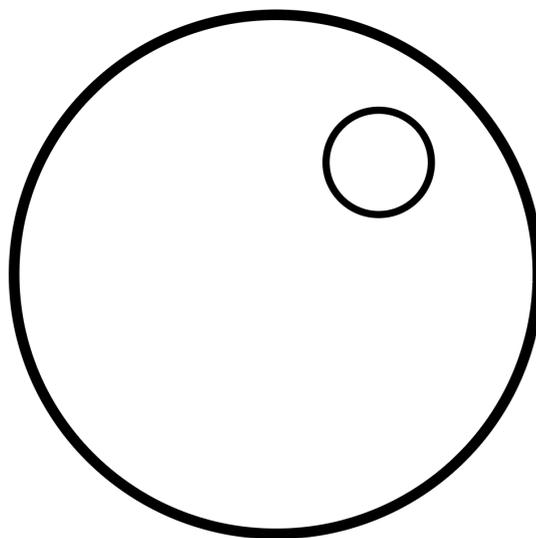
Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

## SCRUB Key (Button 6)

The **SCRUB** key puts the jog wheel into scrub mode. Scrolling through the DAW timeline with the playhead playing back audio at the speed of the Jog Wheel rotation.

## Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



## Cursor Keys and Mode Key

To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre.

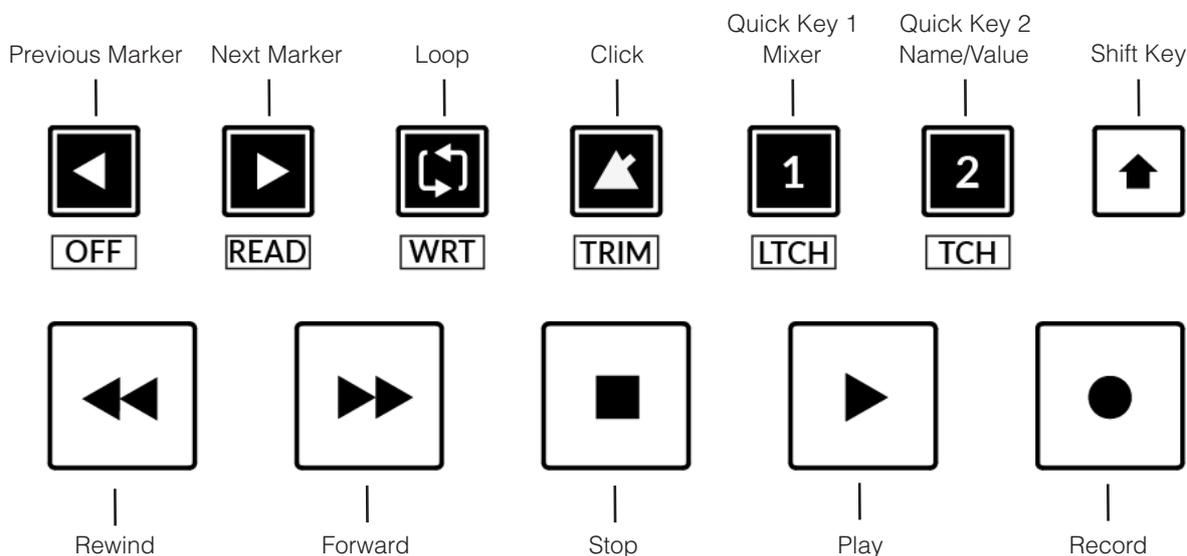
When the Mode key is lit the cursor keys perform horizontal and vertical zooming.

Pressing the Mode key again, the up and down and left and right cursor keys are used to navigate through parameter functions and pages in V-Pot assignment modes (Sends, Plug-ins etc).

The next page of this User Guide provides more information on using the cursor keys in conjunction with 'Channel View' and 'Mixer View' in Logic's Mackie Control implementation.

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Previous Marker, Next Marker, Loop on/off, metronome/click on/off and two quick keys. In Logic, Quick Key **1** is preset to toggle the mixer window and Quick Key **2** toggles the scribble strip information for the V-Pots between showing the name or the value of the parameters (NAME/VALUE MCU command).

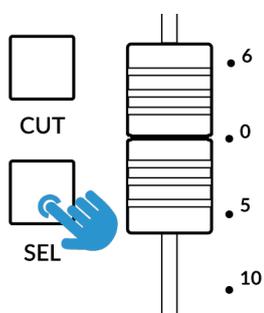
## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing the **SHIFT** button and provide access to the automation modes within Logic Pro.



## Automation

To select the automation mode for the DAW track shown on the UF1 fader, you will first need to press the **SEL** key. Next, engage the **SHIFT** key to change the secondary transport keys to be automation keys. Finally, press the secondary transport key that matches your desired automation mode.



STEP 1: Use the SEL key to select the track.



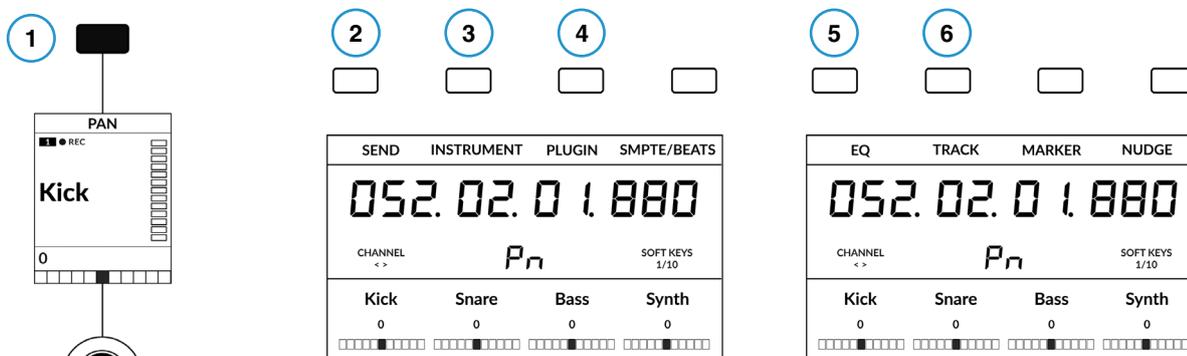
STEP 2: Engage the SHIFT KEY to re-purpose the secondary transport keys to be automation keys.



STEP 3: press to select the automation mode you wish to set the track to.

## V-Pot Assignment Modes

UF1 offers direct access to the six main Mackie Control V-Pot assignment modes. These V-Pot assignment modes are accessed via the keys labelled below: 1. **PAN**, 2. **SEND**, 3. **INSTRUMENT**, 4. **PLUGIN**, 5. **EQ** and 6. **TRACK**. To access the **Assignment Modes**, use the Page keys to move between the Soft Key pages. For an in-depth explanation of each V-Pot assignment mode, please refer to the Mackie Control section *Logic Pro Control Surface Support* document.



The Pan Key is located on the Soft Key above the Small LCD

Send, Instrument & Plug-In are available on Soft Key Bank 1

EQ & Track are available on Soft Key Bank 2.



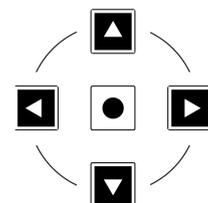
Use the < > Keys to move between soft key pages

## Channel View & Mixer View

Each V-Pot assignment mode can operate in two different ways - 'Channel View' or 'Mixer View'. Pressing the currently active V-Pot assignment key will toggle between the two view modes.

Let's take **SEND** mode as an example. The first time you press the **SEND** key, you will be put into 'Mixer View'. In this view, you can control one Send parameter (Destination/Level/Pan/Mute) for all tracks using the V-Pots. In 'Mixer View' the Left and Right cursor keys move between the next and previous parameter and the Up and Down cursor keys change the Send Slot selection e.g. Send 1, Send 2, Send 3 etc. Ensure the Zoom key is not active.

Pressing the **SEND** key again will toggle you into 'Channel View' which, by contrast, presents multiple Send parameters (Destination/Level/Pan/Mute) for the currently selected track across V-Pots. In 'Channel View', the Left and Right cursor keys will move between parameter pages and the Up and Down cursor keys will change the selected track (again, as long as the central Zoom key is not lit).



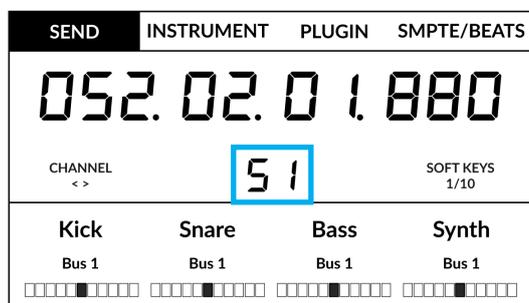
The cursor keys are integral to operating in Channel View and Mixer View.

## Pressing and holding a V-Pot Assignment Key

Many of the V-Pot assignment keys have a press and hold feature. For example, press and hold the **SEND** key to display a sub-menu of options on the LCDs. In this particular example, 'Level' is presented above V-Pot 2, so pushing V-Pot 2 (whilst keeping **SEND** held down), assigns the V-Pots to control Send levels. This offers an alternative method of achieving the same task as using the cursor keys in 'Mixer View'.

## Send / Plugin and Channel Key - How To Tell If You're In Channel View or Mixer View

The blue 2-digit text in the centre of the large display informs you of the **V-Pot Assignment Mode** and whether you are in 'Mixer View' or 'Channel View'. Pressing the soft key in question e.g. **SEND** will alternate you between each view.



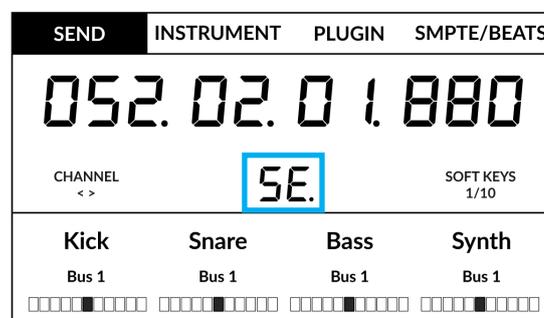
*Mixer View*

### Mixer View

In this Example **SEND** is in 'Mixer View', as indicated by 'S1'

### Channel View

In this Example **SEND** is in 'Channel View', as indicated by 'SE.'



*Channel View*

### The Importance of the 5-8 Key

Don't forget that the **5-8** key has an important role to play when working with the V-Pots.

In **Mixer** View, the first 4 channels of the controller bank are visible - e.g. sends across the first 4 tracks of the bank. Pressing the **5-8** key allows you to view and control sends on tracks 5-8 of the controller bank.

In **Channel** View, the **5-8** key will allow you access to the selected track's parameters (Destination, Level, Pan Position and Pan Mute) on the even numbered send slots e.g. Send 2, 4, 6, 8 etc. Use the **5-8** key in conjunction with the left and right cursor keys to access all available sends.

The **Name/Value** function (preassigned to Quick Key **2** key) is also useful to alternate the displays between showing the names or values of the send functions.

## Group, Marker and Nudge

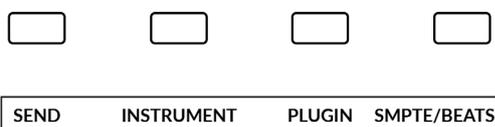
Soft Key banks 2 and 3 allow access to Mackie Control 'Marker' 'Nudge' and 'Group' functions.

*For a detailed breakdown of exactly how **GROUP**, **MARKER**, **NUDGE** or any of the other Mackie Control commands operate, please refer to the Mackie Control section of the **Logic Pro Control Surface Support** document.*

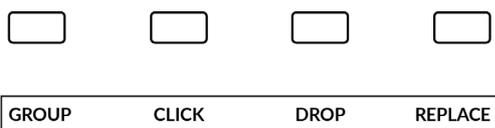
## User Bank Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

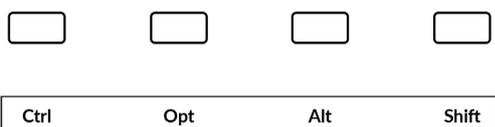
### Soft Keys Page 1



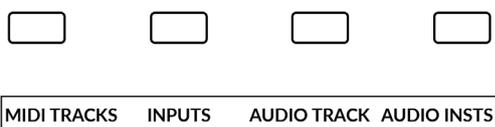
### Soft Keys Page 3



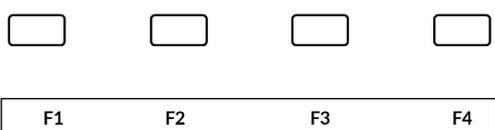
### Soft Keys Page 5



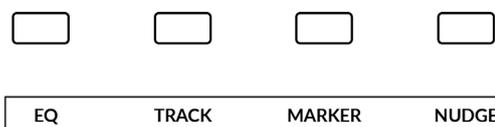
### Soft Keys Page 7



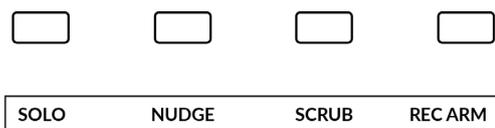
### Soft Keys Page 9



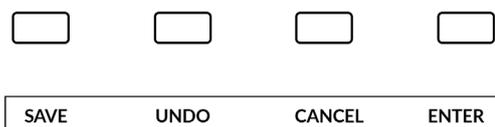
### Soft Keys Page 2



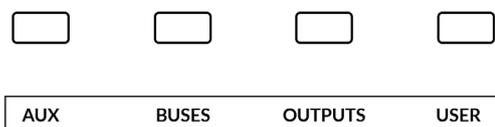
### Soft Keys Page 4



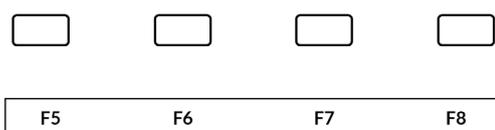
### Soft Keys Page 6



### Soft Keys Page 8



### Soft Keys Page 10



## Assignable DAW Commands List - Logic

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys.

Track	Solo
Pan/Surround	Forward
EQ	Rewind
Send	Stop
Plugin	Play
Instrument	Record
Flip	Scrub
Global	Play Foot-switch
Name/Value	Record Foot-switch
SMPTE/Beats	Rec/Rdy
F1	Previous Marker
F2	Next Marker
F3	
F4	
F5	
F6	
F7	
F8	
MIDI Tracks	
Inputs	
Audio Tracks	
Audio Instruments	
Aux	
Busses	
Outputs	
User	
Shift	
Option	
Control	
Alt	
Read	
Write	
Touch	
Latch	
Trim	
Save	
Undo	
Group	
Cancel	
Enter	
Marker	
Nudge	
Cycle	
Drop	
Replace	
Click	

# Cubase/Nuendo with UF1 - Tutorial

The following tutorial guides you through configuring and using the default Cubase profile on **LAYER 1** of UF1. If you wish to configure Cubase on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports.

## SSL 360° Setup

1. Open the SSL 360° application on your Mac or Windows computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Then, go to the **UF1** page and set **LAYER 1** to **Cubase** using the drop-down list. If Cubase is not available from the drop-down list it is because you have not configured it as DAW 1 on the **CONTROL SETUP** page - ensure you do this first.



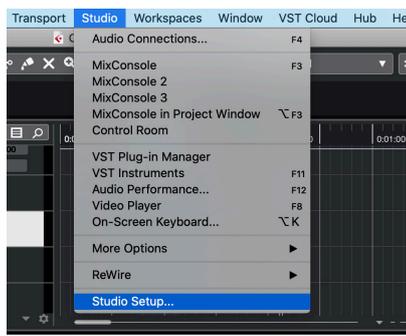
STEP 1 : Open SSL 360° application. Check your UF1 has been detected.



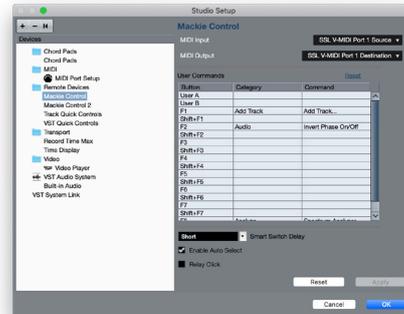
STEP 2 : Select the default Cubase DAW profile from the UF1 page.

## Cubase Setup

3. Open Cubase. Go to **Studio > Studio Setup...**
4. Click the **+** symbol in the top-left of the window and select **Mackie Control** from the drop-down list. Set the **MIDI Input** to **SSL V-MIDI Port 1 Source** and set **MIDI Output** to **SSL V-MIDI Port 1 Destination**. Click **Apply**.

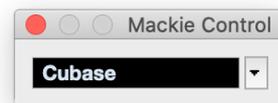


STEP 4 : Open the Studio > Studio Setup... menu in Cubase.

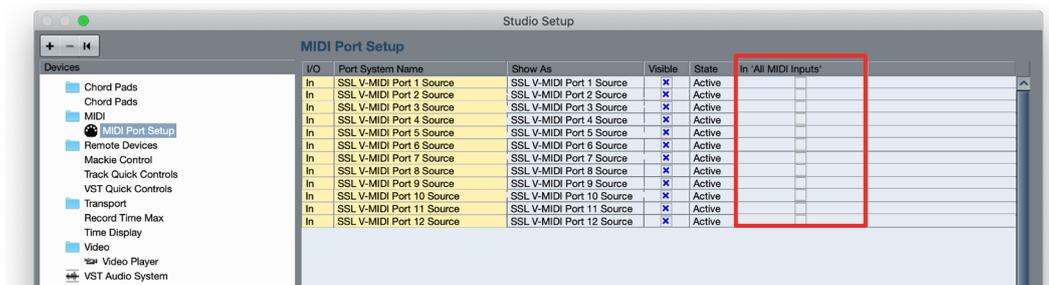


STEP 5 : Add a Mackie Control and configure MIDI Input and MIDI Output to SSL V-MIDI Port 1. Click Apply.

6. Next, go to **Studio > More Options** and click on **Mackie Control** and **Mackie Control 2**, ensuring both small pop-up windows that appear have **Cubase** selected, instead of **Compatibility**. This is important as UF1 has been designed to work with Steinberg's latest implementation of the Mackie Control Protocol and must be in **Cubase** mode to ensure all features work as expected.

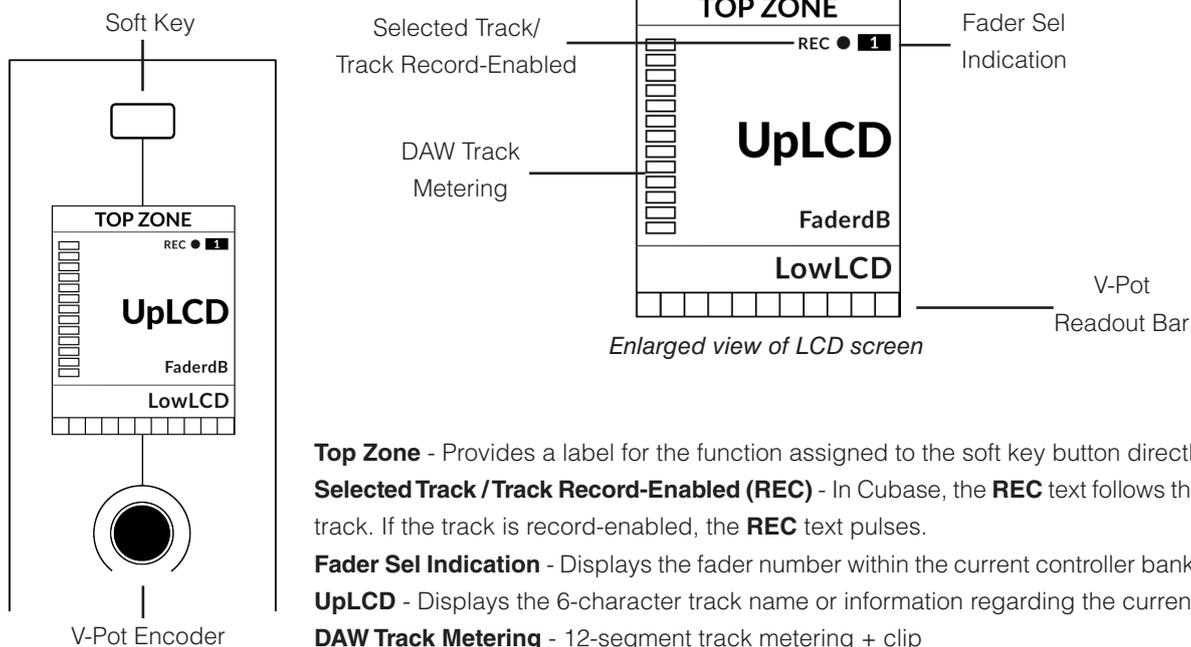


7. As a final step, go to **Studio Setup > MIDI Port Setup** and deactivate the **In 'ALL MIDI Inputs'** option for your **SSL V-MIDI Ports** and click **OK**. This will ensure that MIDI Instrument Tracks set to receive from **ALL MIDI Inputs** do not pickup MIDI data from UF1.



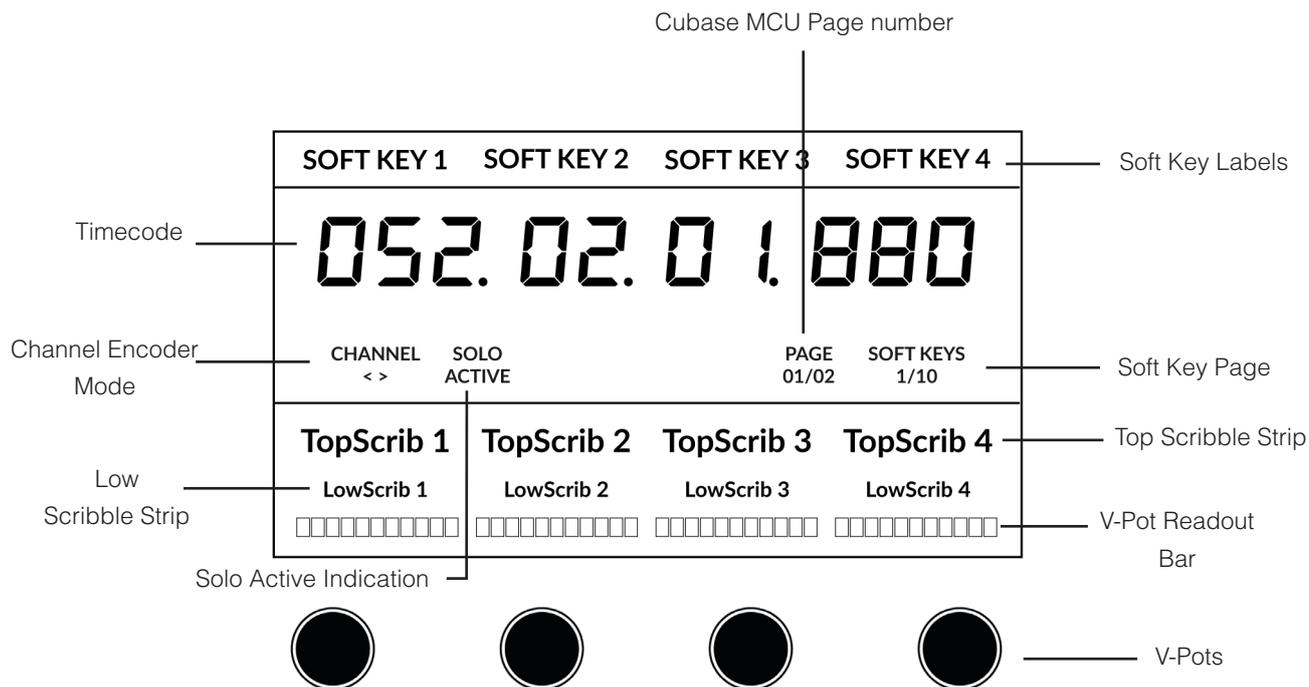
STEP 11 : Disable In 'ALL MIDI Inputs' for SSL V-MIDI Ports

### Small LCD Layout



- Top Zone** - Provides a label for the function assigned to the soft key button directly above.
- Selected Track /Track Record-Enabled (REC)** - In Cubase, the **REC** text follows the currently selected track. If the track is record-enabled, the **REC** text pulses.
- Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.
- UpLCD** - Displays the 6-character track name or information regarding the current V-Pot assignment.
- DAW Track Metering** - 12-segment track metering + clip
- FaderdB** - Provides a readout of the current fader position.
- LowLCD** - Displays name or value information for the V-Pots, depending on which mode or page is selected.
- V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot (encoder) function.

## Large LCD Layout



**Soft Key** - Provides a label for the function assigned to the soft key directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder mode.

**Solo Active Indication** - Indicates if there are any active solo'd tracks.

**Cubase MCU Page Number** - Cubase's page information for the current V-Pot Assignment mode.

**Soft Key Page** - Displays the current Soft Keys page number.

**UpLCD** - Displays the 6-character track name or information regarding the current V-Pot assignment.

**LowLCD** - Displays name or value information for the V-Pots, depending on which mode or page is selected.

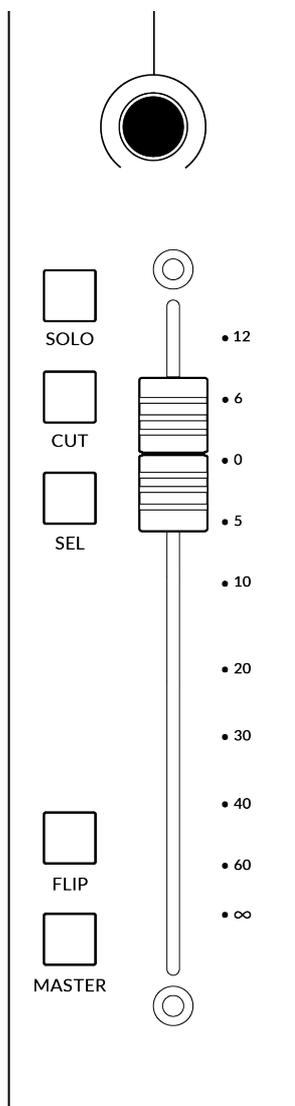
**DAW Track Metering** - 12-segment track metering + clip.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot (encoder) function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Cubase.



### Before You Start...

For complete, in-depth coverage of all the functions and features you can control in Cubase using UF1, please refer to the Mackie MCU Pro section of Steinberg's *Remote Control Devices* PDF document, available via the Cubase/Nuendo Help menu.

### V-Pot

At the top of each strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active (Pan, FX Send etc) but is typically used for tasks such as controlling pan position, send levels, plug-in parameters or scrolling through parameter options/lists.

The V-Pot has a push function, which by default operates the Track Monitor function when the V-Pot assignment mode is Pan.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Cubase tracks and is great for balancing mix levels and riding volume automation.

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Cubase track.

### Flip

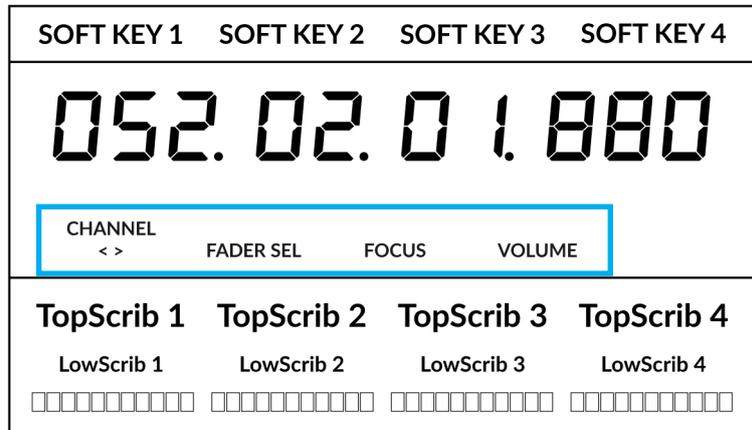
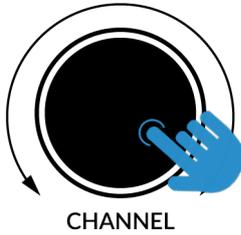
Pressing the **FLIP** key switches the functions of the V-Pots and faders. This is useful for various reasons, including tasks such as controlling Send levels or Plugin parameters on the fader instead of the V-Pots

### Master

The Master Key enables the UF1 fader to control Cubase's Master Fader,.

## Channel Encoder

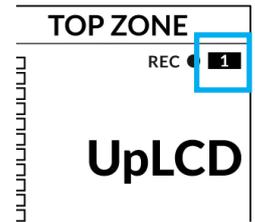
Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.



<>  
By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

### Fader Sel

Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session.



### Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

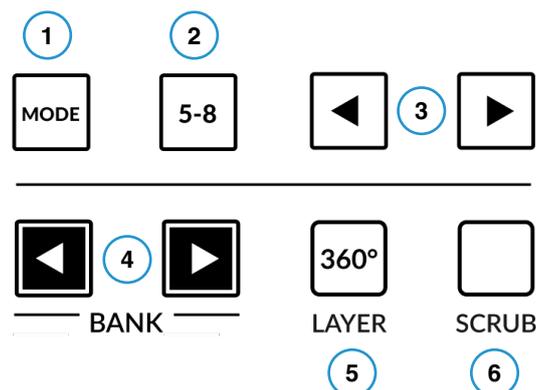
### Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



### General DAW (white)

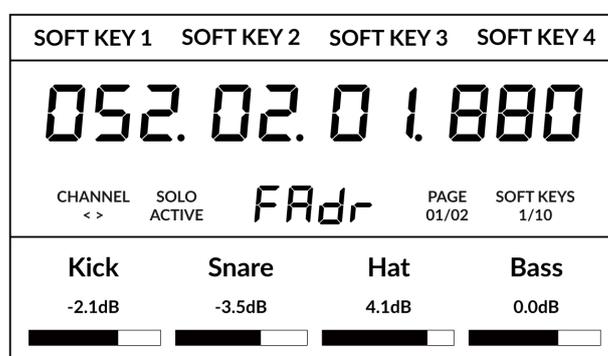
The 4 x V-Pots beneath the large display control various parameters such as pans, sends, plug-ins etc depending on the current V-Pot assignment mode.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.



Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 5-8 Key (Button 2)

Assigns the V-Pots to control tracks 5-8 of the current controller bank.

### Soft Key Page Banks (3)

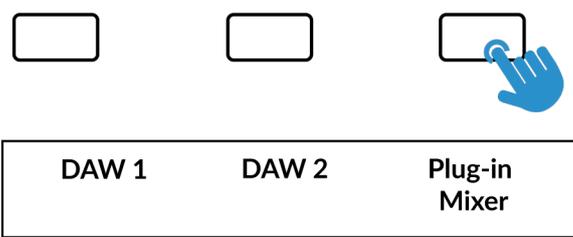
Allows you to move through various pages of parameters that are assigned to the soft keys.

### Bank Keys (Button 4)

The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.

### 360° / LAYER selection Key (Button 5)

A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.



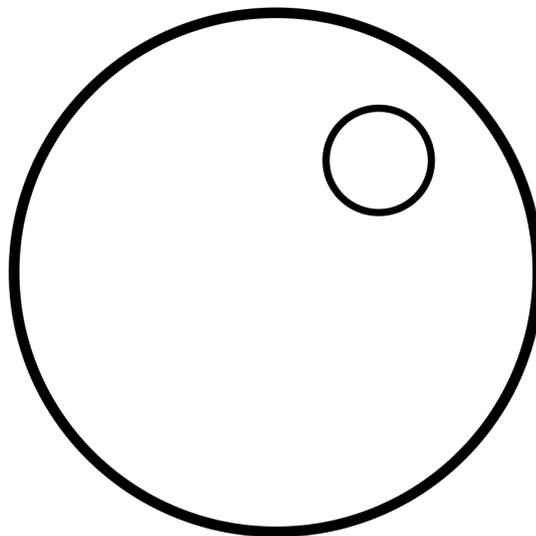
Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

### SCRUB Key (Button 6)

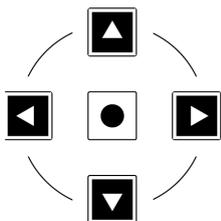
The **SCRUB** key puts the jog wheel into scrub mode. Scrolling through the DAW timeline with the playhead playing back audio at the speed of the Jog Wheel rotation.

### Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



### Cursor Keys and Mode Key



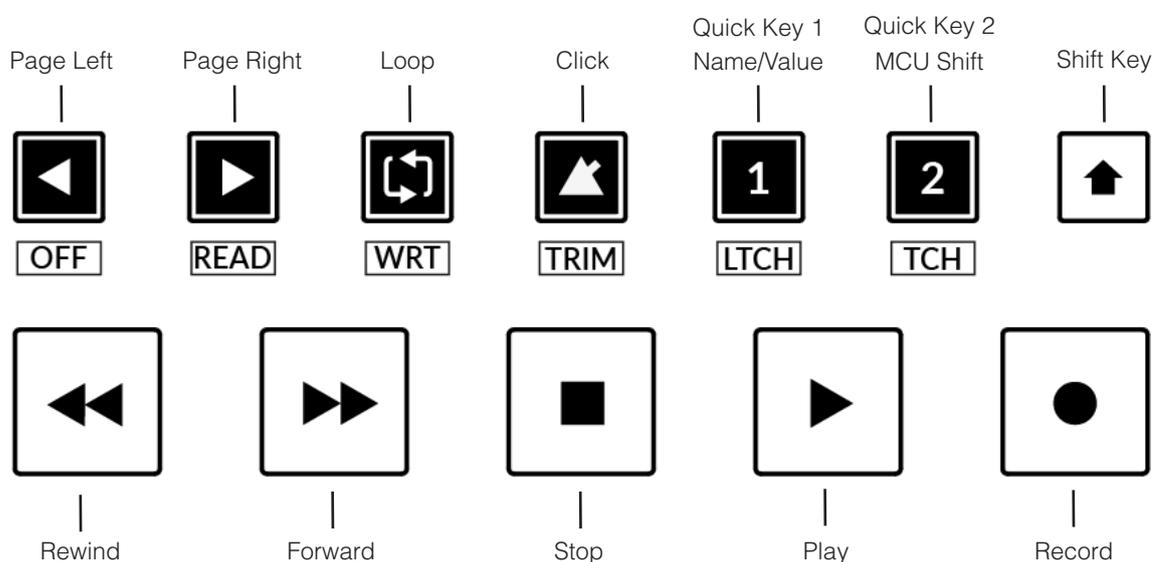
To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre.

When the Mode key is lit the cursor keys perform horizontal and vertical zooming.

Pressing the Mode key again, the up and down and left and right cursor keys are used to navigate through channels in the Edit Window, and the Left & Right keys moving to the start and end point of the currently selected track's current region.

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

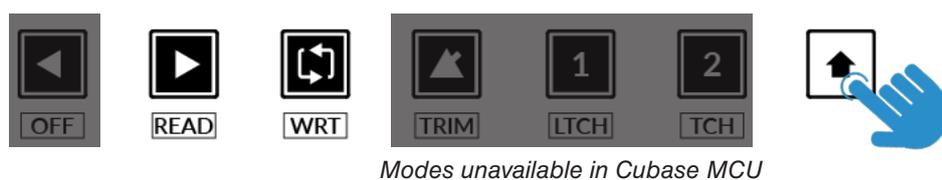
The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Page Left, Page Right, Loop on/off, metronome/click on/off and two quick keys. In Cubase, Quick Key **1** is preset to toggle the Name/Value command and Quick Key **2** is assigned to the MCU Shift function.

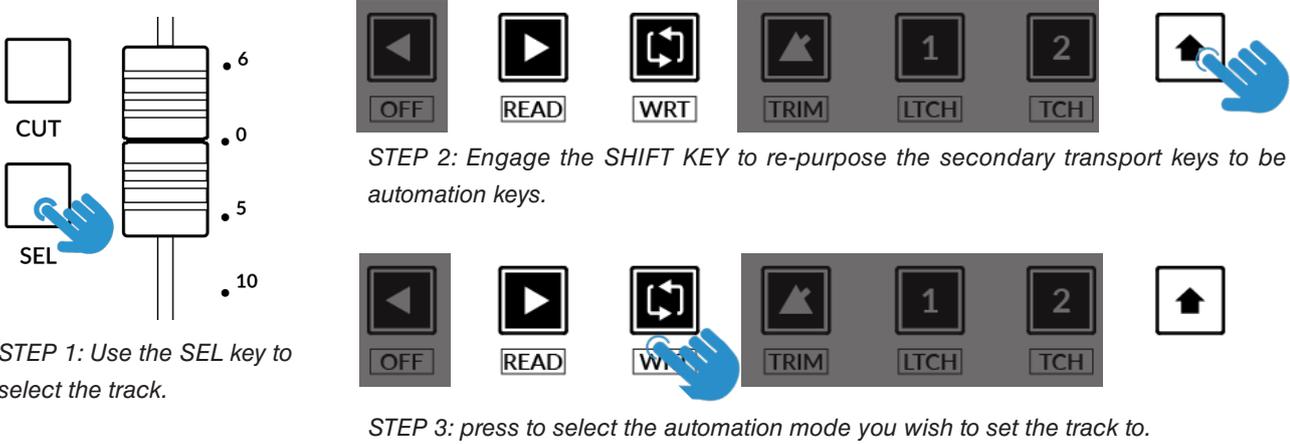
## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing **SHIFT** button and provide access to the automation modes within Cubase. Note that **READ** and **WRITE** are the only automation keys that apply to Cubase, so all other keys in this section are disabled.



## Automation

To select the automation mode for the DAW track shown on the UF1 fader, you will first need to press the **SEL** key. Next, engage the **SHIFT** key to change the secondary transport keys to be automation keys. Finally, press the secondary transport key that matches your desired automation mode.

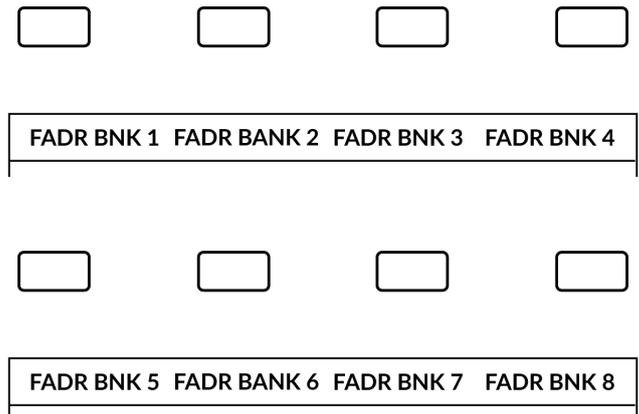


## Channel Visibility Presets

Fader Bank 1-8 commands are used to call up your Channel Visibility presets. These commands are preassigned to Soft Key Pages 9 and 10.

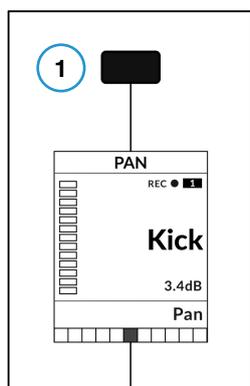
With the **MCU Shift** key held (preassigned to Quick Key 2) the Fader Bank keys apply specific channel types (Audio, Groups, FX Channels, MIDI etc) to the UF1 surface.

Please reference Cubase Remote Control Devices documentation for more information.

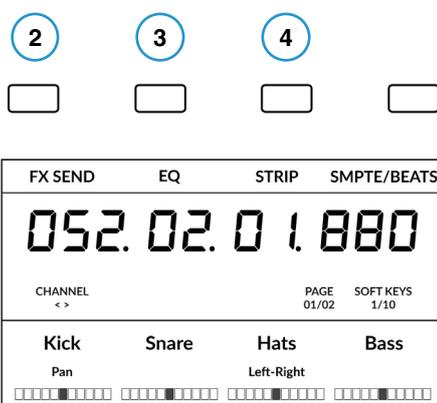


## V-Pot Assignment Modes

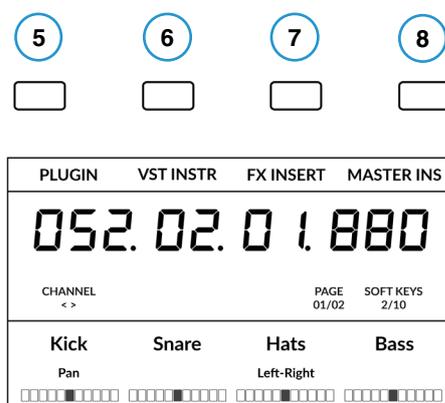
UF1 offers direct access to the main modes of Cubase's Mackie Control implementation. For an in-depth explanation of how to use each V-Pot assignment mode, please refer to the **Mackie MCU Pro** section of Steinberg's **Remote Control Devices** document.



The Pan Key is located on the Soft Key above the Small LCD Screen



Send, Instrument & Plug-In is available on Soft Key Page 1



EQ & Track are available on Soft Key Page 2.

## Nomenclature Table

The column 'Cubase/Nuendo MCU Function', contains the MCU function names as referred to in Steinberg's **Remote Control Devices** documentation. These names are taken from the Cubase/Nuendo overlays that are placed onto a Mackie Controller (replacing the default Logic labels). The Cubase MCU implementation has evolved over the years and as such, some of the labels don't quite match the functionality, so we have presented the most intuitive labels possible on UF1 to make operation easier. For example the 'FIRST' key on a Mackie Control with a Cubase overlay accesses controls for routing so we have labelled our key **ROUTING** instead.

Mode	Cubase/Nuendo MCU Function	UF1 Label
1	PAN	PAN
2	LAST	FX SEND
3	EQ	EQ
4	DYN/FX/AUX	STRIP
5	PLUGINS	PLUGIN
6	INSTRUMENT	VST INSTRUMENTS
7	SENDS	FX INSERT
8	MASTER	MASTER INSERT

## Page Keys

The **PAGE < >** keys allow you to move through the various parameter pages that are available within each V-Pot assignment mode (or 'Parameter Group' as Cubase refers to them). The current page selection is displayed on the UF1 large display.



## Name/Value

Strictly speaking, the **NAME/VALUE** (preassigned to Quick Key 1) function is not a V-Pot assignment mode by itself but it does have the useful function of displaying parameter values on the LCDs. Without engaging this, parameter values are only shown when a V-Pot is turned.

## Example - Controlling Sends

It is beyond the scope of this User Guide to cover all of the different V-Pot assignment modes within the Cubase MCU implementation, however an example of controlling Sends is presented below.

### Send Settings - Selected Channel

1. Select the track you wish to control by banking it onto the fader and pressing the SEL key

2. Select the V-Pot mode from one of the Soft Keys above the options in the Large LCD Screen.

Cubase MCU Page Number is shown here

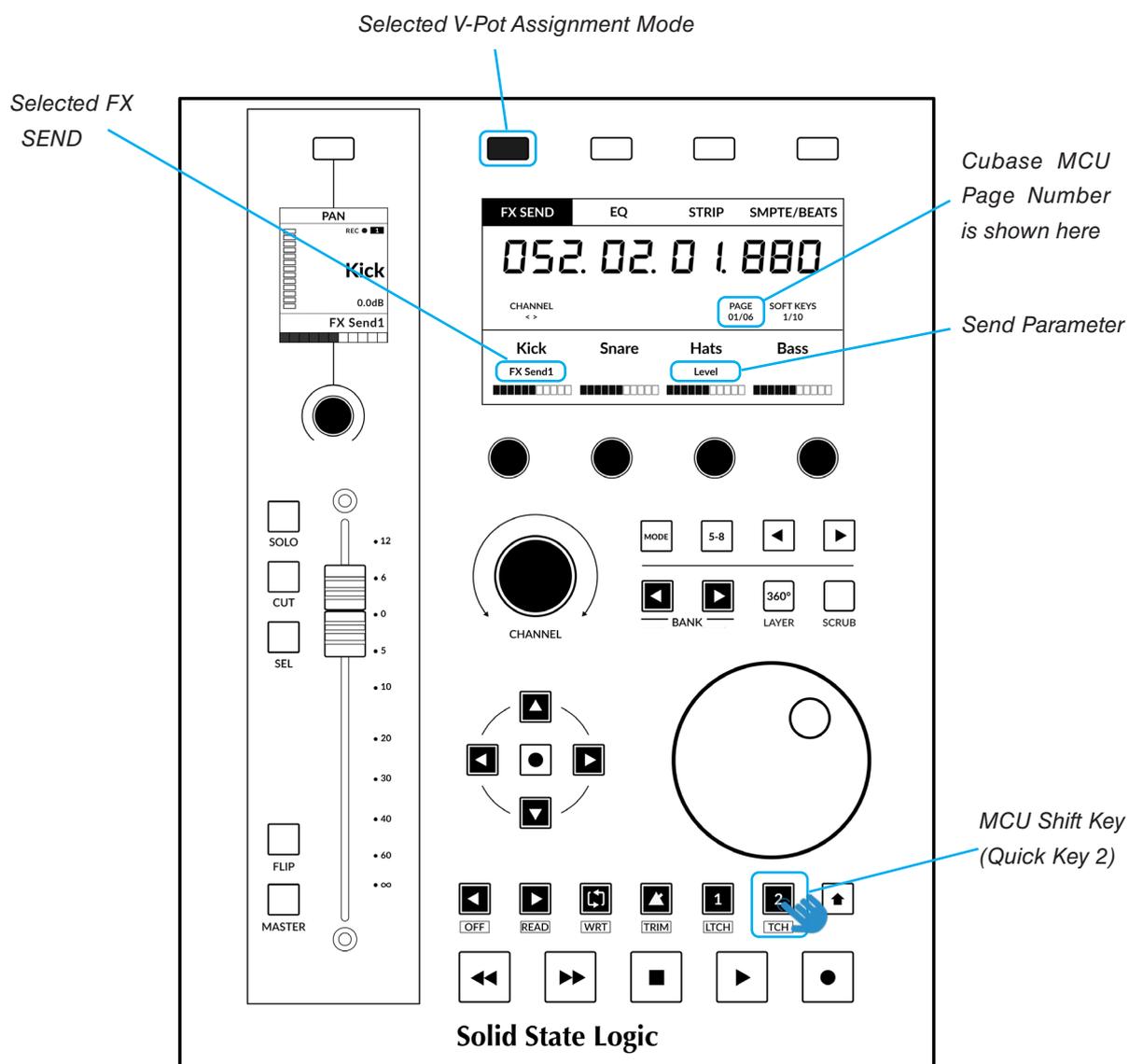
Selected Track name is shown here

3. Use the PAGE < > Keys to bank though pages of parameters available for the V-Pot Assignment mode.

- Select the channel you wish to control by pressing the **SEL** key on the track assigned to the UF1 fader..
- Press the **FX SEND** key. This mode allows you to control all the Send parameters for the currently selected track using the V-Pots - e.g. all the Send levels on the selected track.
- Use the **PAGE < >** keys to move between parameter pages.

## Send Settings - Global

Alternatively, Global mode provides you with access to the advanced send settings for the tracks currently on the UF1 surface. For example, you can control a send parameter (e.g. level), of FX Send 1 across multiple tracks at once using the V-Pots.



- This is an example of a V-Pot assignment mode that is accessed by pressing and holding the MCU Shift command (Quick Key 2).
- Press and hold the **MCU Shift (Quick Key 2)** key and then press the **FX SEND** key. This will select FX Send 1 but you can move through the rest of the FX Sends by continuing to keep **MCU Shift (Quick Key 2)** held and repeatedly pressing the **FX SEND** key
- Use the **PAGE <>** keys to move between parameter pages.

*Each V-Pot assignment mode may vary slightly in terms of how it operates so it's important to refer to the Mackie MCU Pro section of Steinberg's Remote Control Devices PDF for more information.*

## User Bank Pre-Assignments

User Banks 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°.

Select User Banks using the <> Keys and the current bank will be indicated by the **SOFT KEYS** 1/10 display in the Large Screen Display.

### Soft Key Page 1



FX SEND	EQ	STRIP	SMPTE/BEATS
---------	----	-------	-------------

### Soft Key Page 2



PLUGIN	VST INSTR	FX INSERT	MASTER INS
--------	-----------	-----------	------------

### Soft Key Page 3



ROUTING	LEFT	RIGHT	SOLO DEFEAT
---------	------	-------	-------------

### Soft Key Page 4



PREVIOUS	NEXT	ADD	PUNCH
----------	------	-----	-------

### Soft Key Page 5



PROJECT	MIXER	MOTORS	Shift
---------	-------	--------	-------

### Soft Key Page 6



REC ARM	REVERT	UNDO	REDO
---------	--------	------	------

### Soft Key Page 7



F1	F2	F3	F4
----	----	----	----

### Soft Key Page 8



F5	F6	F7	F8
----	----	----	----

### Soft Key Page 9



FADR BNK 1	FADR BNK 2	FADR BNK 3	FADR BNK 4
------------	------------	------------	------------

### Soft Key Page 10



FADR BNK 5	FADR BNK 6	FADR BNK 7	FADR BNK 8
------------	------------	------------	------------

## Function Select Keys 1-8 (F1 - F8)

In the **Studio Setup...** menu within Cubase, where the Mackie Control ports are configured during setup, you can program the **F1 - F8** keys found in Soft Key Pages 7 and 8 to any of the extensive list of Cubase commands made available in the **User Commands** table - choose a category and then a command from that category. Each **F** key can be shifted using the **MCU Shift** key, giving you a total of 16 user commands plus the optional 'User A' and 'User B' foot pedals.

## Assignable DAW Commands List - Cubase/Nuendo

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys. Labels in brackets are added to clarify what the function does.

First (Routing)	Add
Pan	Next
EQ	Forward
Last (FX Sends)	Rewind
Plugins (IFX Inserts)	Stop
Dyn/FX/Aux (Strip)	Play
Flip	Record
Edit (Window)	Scrub
Name/Value	User A
SMPTE/Beats	User B
F1	Rec/Rdy
F2	Channel < (Page Left)
F3	Channel > (Page Right)
F4	
F5	
F6	
F7	
F8	
Fader Bank 1	
Fader Bank 2	
Fader Bank 3	
Fader Bank 4	
Fader Bank 5	
Fader Bank 6	
Fader Bank 7	
Fader Bank 8	
Undo	
Redo	
Save	
Revert	
Read	
Write	
Project	
Mixer	
Sends (FX IFX 1st Insert)	
Instruments (VSTs)	
Master (Insert)	
Motors	
Solo Defeat	
Shift	
Left	
Right	
Cycle	
Punch	
Previous	

# Ableton Live with UF1 - Tutorial

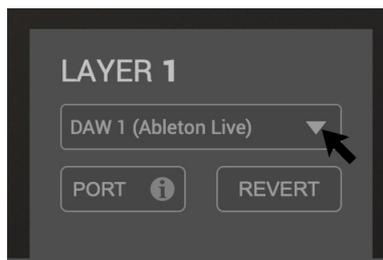
The following tutorial guides you through configuring and using the default Ableton Live profile on **LAYER 1** of UF1. If you wish to configure Live on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports..

## SSL 360° Setup

1. Open the SSL 360° application on your Mac or Windows computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set **Layer 1** to **Ableton Live** using the drop-down list. If Live is not available from the drop-down list it is because you have not configured it as DAW 1 on the **CONTROL SETUP** page - ensure you do this first.



STEP 1 : Open SSL 360° application. Check your UF1 has been detected



STEP 2 : Select the default Ableton Live DAW profile from the UF1 page.

## Live Setup

3. Open Live. Go to **Preferences > Link MIDI...**
4. From the **Control Surface** drop-down list select **MackieControl**. Set the **Input** to **SSL V-MIDI Port 1 Source** and set **Output** to **SSL V-MIDI Port 1 Destination**.

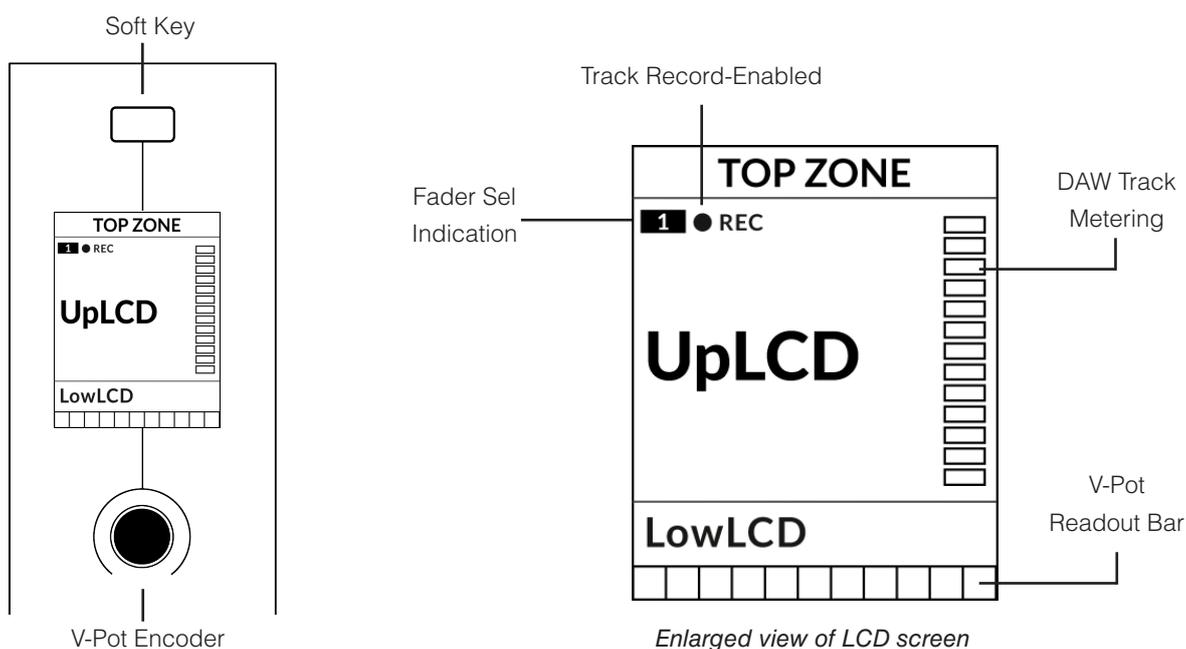


STEP 3 : Go the Preferences menu and click on the Link MIDI tab.



STEP 4 : Add a MackieControl and configure for SSL V-MIDI Port 1 on Input and Output

## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the Soft Key button directly above.

**Track Record-Enabled (REC)** - In Live, the **REC** text appears when a track is record-enabled.

**Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.

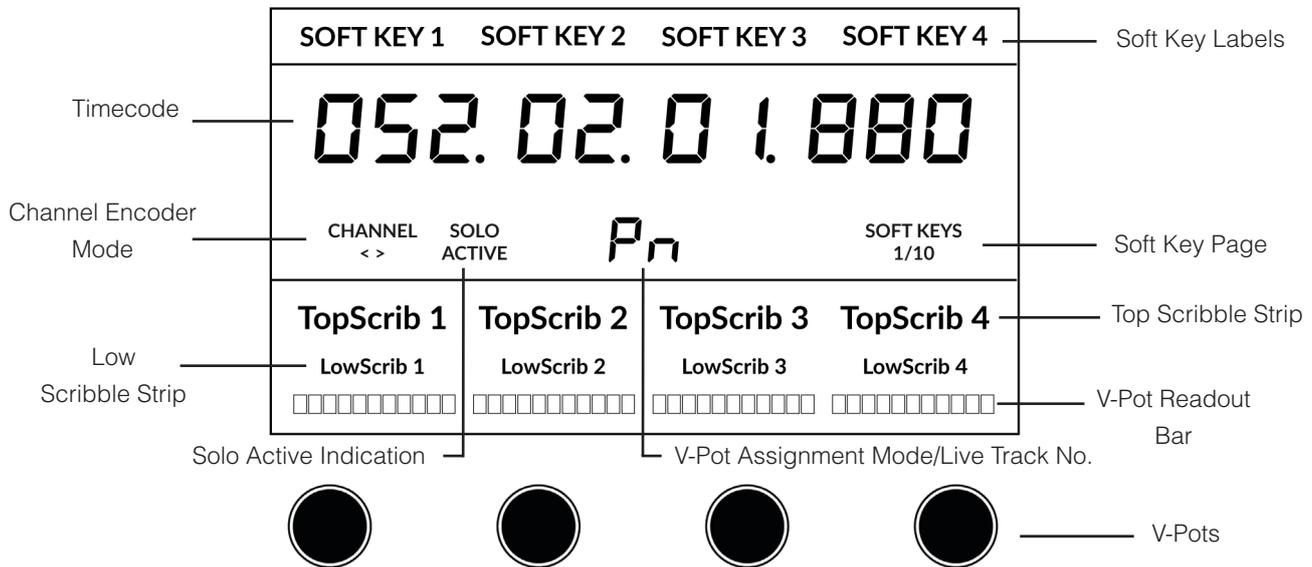
**UpLCD** - Normally displays the 6-character track name or parameter being controlled by the V-Pot, depending on the current mode.

**LowLCD** - Displays a label or value readout for the parameter currently assigned to the V-Pot, unless a fader is moved, in which case the fader dB value is shown.

**DAW Track Metering** - 12-segment track metering + clip

**V-Pot readout bar** - Displays the position of the currently assigned V-Pot (encoder) function.

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder mode.

**Solo Active Indication** - Indicates if there are any active solo'd tracks.

**V-Pot Assignment Mode/Live Track No.** - Displays the current V-Pot Assignment Mode or the Live track number.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the track name for tracks 1-4 or 5-8 of the current controller bank.

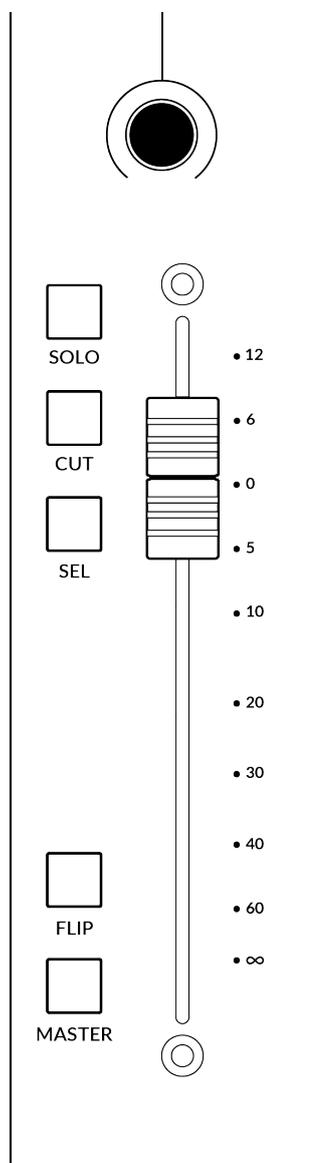
**Low Scribble** - Displays a label or value readout for the parameter currently assigned to the V-Pot, unless a fader is moved, in which case the fader dB value is shown.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Live.



### V-Pot

At the top of the strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active but it is typically used for tasks such as controlling Pan position, Send levels, Plug-in parameters or scrolling through parameter options/lists.

The V-Pot has a push function, which is typically used for defaulting the position of the parameter being controlled.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Live tracks and is great for balancing mix levels and riding volume automation.

---

*Touching a single fader will cause the LowLCD area to display a fader dB readout, instead of the V-Pot parameter readout.*

---

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Live track.

### Flip

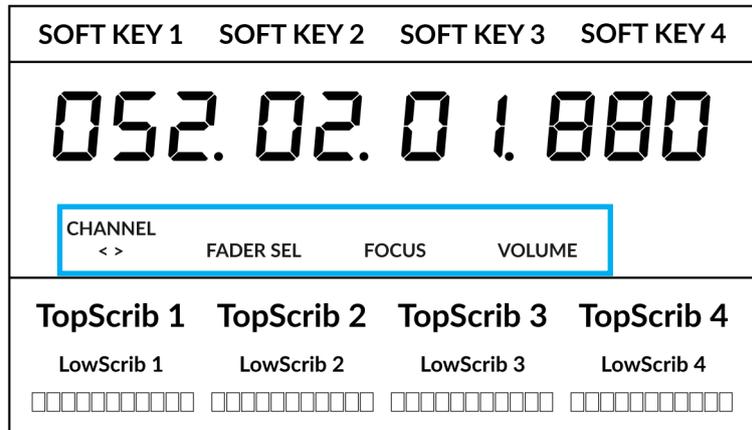
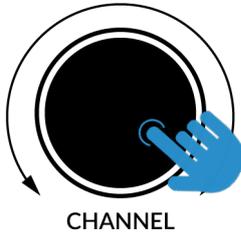
Pressing the **FLIP** key switches the functions of the V-Pots and faders. This is useful for various reasons, including tasks such as controlling Send levels on the fader instead of the V-Pots.

### Master

The Master Key enables the UF1 fader to control Live's Master Fader.

## Channel Encoder

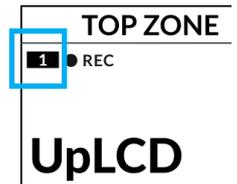
Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.



<>  
By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

## Fader Sel

Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session. It is also useful for accessing all your Return Tracks in live. Return Tracks are accessed by pressing the Returns Tracks command that is preassigned to Quick Key **2**.



## Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

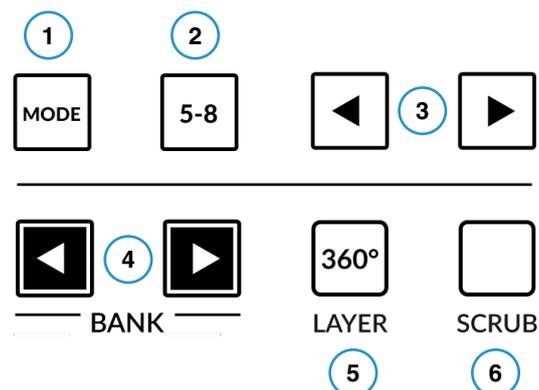
## Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



### General DAW (white)

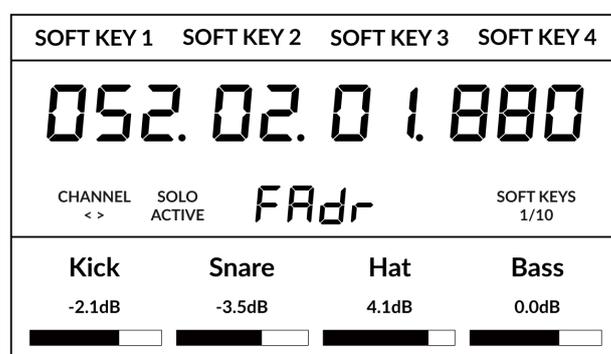
The 4 x V-Pots beneath the large display control various parameters such as pans, sends, plug-ins etc depending on the current V-Pot assignment mode.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.



Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 5-8 Key (Button 2)

Assigns the V-Pots to control tracks 5-8 of the current controller bank.

### Soft Key Page Banks (3)

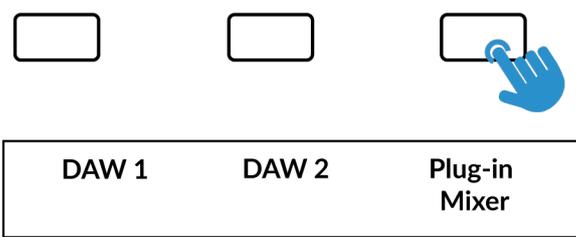
Allows you to move through various pages of parameters that are assigned to the soft keys.

### Bank Keys (Button 4)

The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.

### 360° / LAYER selection Key (Button 5)

A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.



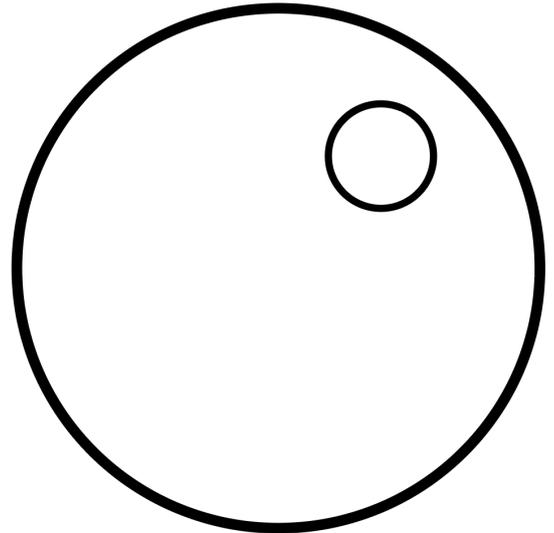
Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

### SCRUB Key (Button 6)

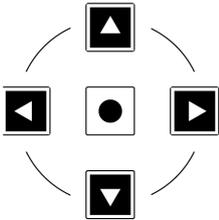
The **SCRUB** key has no function in Live and is therefore disabled.

### Jog Wheel (7)

The jog wheel is used to scroll through the session timeline when in Arrangement View. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement. In session view the jog wheel moves the highlighted scene



### Cursor Keys and Mode Key (Launching Clips and Zooming)



To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre. The function of these keys depends on the current view in Live.

#### Session View

When working in Session View, the cursor keys allow you to navigate up, down, left and right to highlight the clip you want to launch and the Mode key in the middle allows you to launch clips.

#### Arrangement View

When the Mode key is lit the left and right cursor keys perform horizontal zooming in/out and the up and down cursor keys increase/decrease the track height of the currently selected track. Pressing the Mode key again, the up and down cursor keys change the selected track and the left and right cursor keys move the cursor left/right.

### Launch Scenes

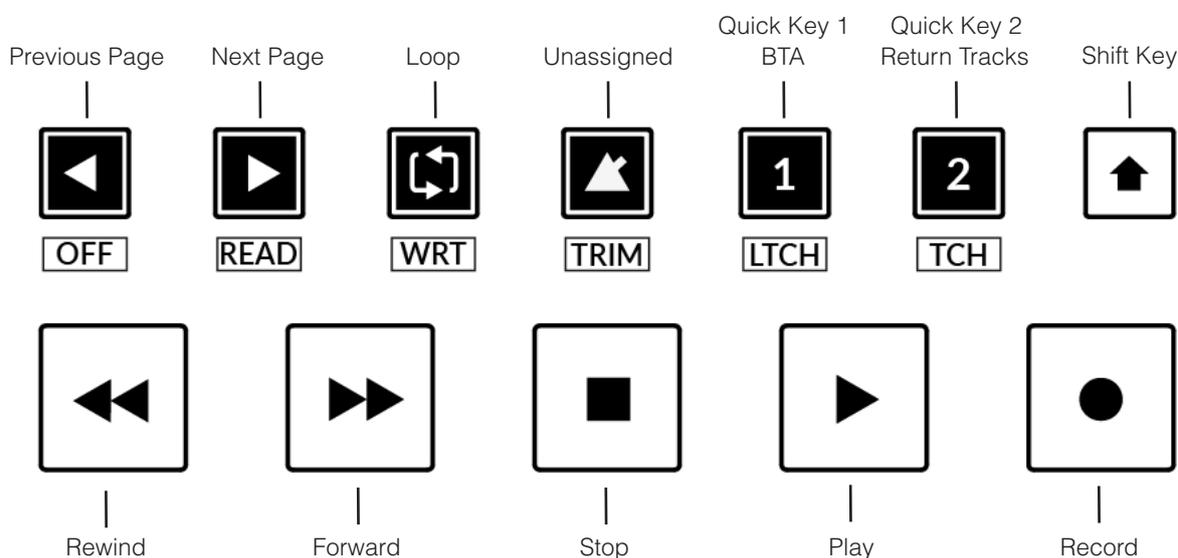
The Soft key labelled **LNCH SCENE** (Soft Key Page 1) is programmed to execute the Launch Scene function in Live. Simply use the cursor keys to navigate to the scene you want and press the **LNCH SCENE** key to launch the scene.



LNCH SCENE	SEND	DEVICE	SMPTE/BEATS
052.	02.	0	1.880
CHANNEL <>	Pn		SOFT KEYS 1/10
1-Kick c	2-Snr c	3-Hats c	4-Bass c
□□□□■□□□□□	□□□□■□□□□□	□□□□■□□□□□	□□□□■□□□□□

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which normally re-purposes the secondary transport keys with DAW automation modes but this does not apply for Live.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Previous Page (Previous Parameter Page when controlling Devices/Plug-ins), Next Page (Next Parameter Page when controlling Devices/Plug-ins), Loop on/off, an Unassigned key and two quick keys. In Live, Quick Key **1** is the Back To Arrangement key and Quick Key **2** switches UF1 to control Live's Return Tracks.

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*Why not use Live's shortcut key mapping tool to assign a keyboard command to Live's metronome and then map this keyboard shortcut to the unassigned metronome key on UF1.*

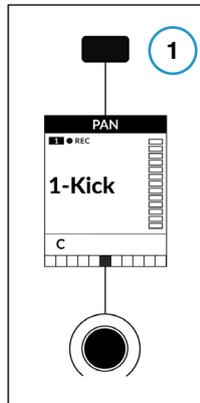
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## Shifted Functions of the Secondary Transport Keys - Automation Modes

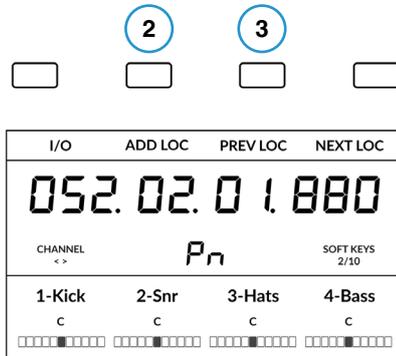
You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions normally relate to a DAW's automation modes but this is not applicable for Live.

## V-Pot Assignment Modes

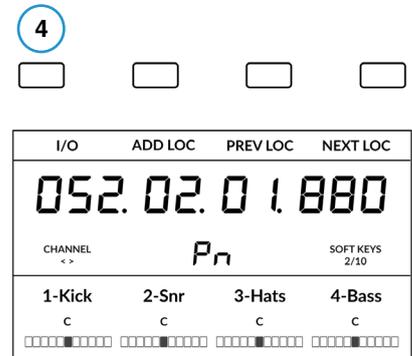
UF1 offers direct access to Live's main Mackie Control V-Pot assignment modes. These V-Pot assignment modes are accessed via the keys labelled below: 1. **PAN**, 2. **SEND**, 3. **DEVICE (PLUG-IN)**, 4. **I/O**.



The Pan Key is located on the Soft Key above the Small LCD



Send & Device (Plug-in) is available on Soft Key Page 1



I/O is available on Soft Key Page 2.

### 1 - PAN

Assigns the Pan controls to the V-Pots on UF1. Pushing a V-Pot will default it to the centre position.

### 2 - SEND

Assigns the Send controls for the currently selected track to the V-Pots on UF1. The 2 blue digits in the centre of the LCD inform you the number of the selected track. Pushing a V-Pot will default the Send to off. Use the **5-8** key to access sends E to H on the selected track.

### 3 - DEVICE (Plug-ins)

Live's own instruments and also third party audio plug-ins can be controlled directly from UF1. Once you have pressed the **DEVICE** key to enter this mode, do the following:

- Select the track on which you want to control the plug-in.
- The name(s) of the plug-ins will appear in the LowLCD section of UF1.
- Push the V-Pot of the plug-in you wish to control.
- The parameters of the plug-in will be assigned across the V-Pots. Use a combination of the **5-8** key and **PAGE LEFT** and **PAGE RIGHT** keys in the Secondary Transport section to access all the parameters the device has.
- Once you have finished, press the **DEVICE** key again to return to viewing the names of the plug-ins you have on the currently selected track.



OFF



READ

Use the 5-8 key, in combination with the PAGE LEFT and PAGE RIGHT keys to access all the parameters.

### 4 - I/O

Allows you to set the **I/O** settings for each track on the V-Pots. Pressing the **I/O** key repeatedly will cycle through the following options: Input Type, Input Source, Output Type and Output Destination.

## User Bank Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

### Soft Key Page 1



LNCH SCENE SEND DEVICE SMPTE/BEATS

### Soft Key Page 2



I/O ADD LOC PREV LOC NEXT LOC

### Soft Key Page 3



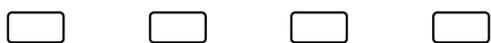
ARR/SS BROWSER DETAIL TRACK/CLIP

### Soft Key Page 4



PUNCH IN PUNCH OUT START END

### Soft Key Page 5



UNDO REDO FOLLOW DRAW

### Soft Key Page 6



METER RECARM

### Soft Key Page 7 (Unassigned)



### Soft Key Page 8 (Unassigned)



### Soft Key Page 9 (Unassigned)



### Soft Key Page 10 (Unassigned)



## Assignable DAW Commands List - Live

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys.

I/O  
Pan  
Page Left  
Send  
Device  
Page Right  
Flip  
Return Tracks  
Shift  
Option  
Control  
Alt  
Arr/SS (Arrangement/Session View Toggle)  
Track/Clip  
Browser  
Detail  
Undo  
BTA (Back To Arrangement)  
Draw  
Redo  
Add Locator  
Follow  
Previous Loc (Locator)  
Next Loc (Locator)  
Cycle  
Punch In  
Punch Out  
Start  
End  
Rewind  
Forward  
Stop  
Play  
Record  
Launch Clip  
Launch Scene  
Rec/Rdy  
Meter Readout

# Studio One with UF1 - Tutorial

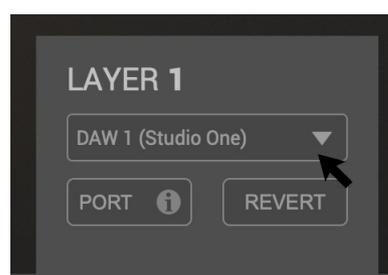
The following tutorial guides you through configuring and using the default Studio One profile on **LAYER 1** of UF1. If you wish to configure Live on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports.

## SSL 360° Setup

1. Open the SSL 360° application on your Mac or Windows computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set **Layer 1** to **Studio One** using the drop-down list. If Studio One is not available from the drop-down list it is because you have not configured it as DAW 1 on the **CONTROL SETUP** page - ensure you do this first.



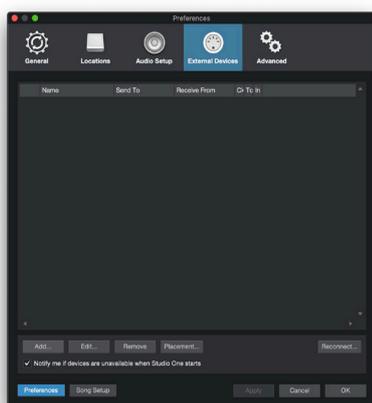
*STEP 1 : Open SSL 360° application. Check your UF1 has been detected*



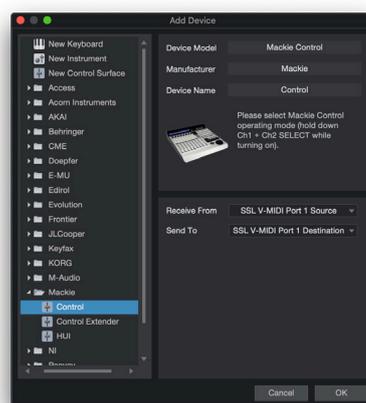
*STEP 2 : Select the default Studio One DAW profile from the UF1 page.*

## Studio One Setup

3. Open Studio One. Go to **Preferences > External Devices** and click on the **Add...** button.
4. In the **Add Device** window, select **Mackie Control** and set **Receive From** to **SSL V-MIDI Port 1 Source** and set **Send To** to **SSL V-MIDI Port 1 Destination**. Click OK.

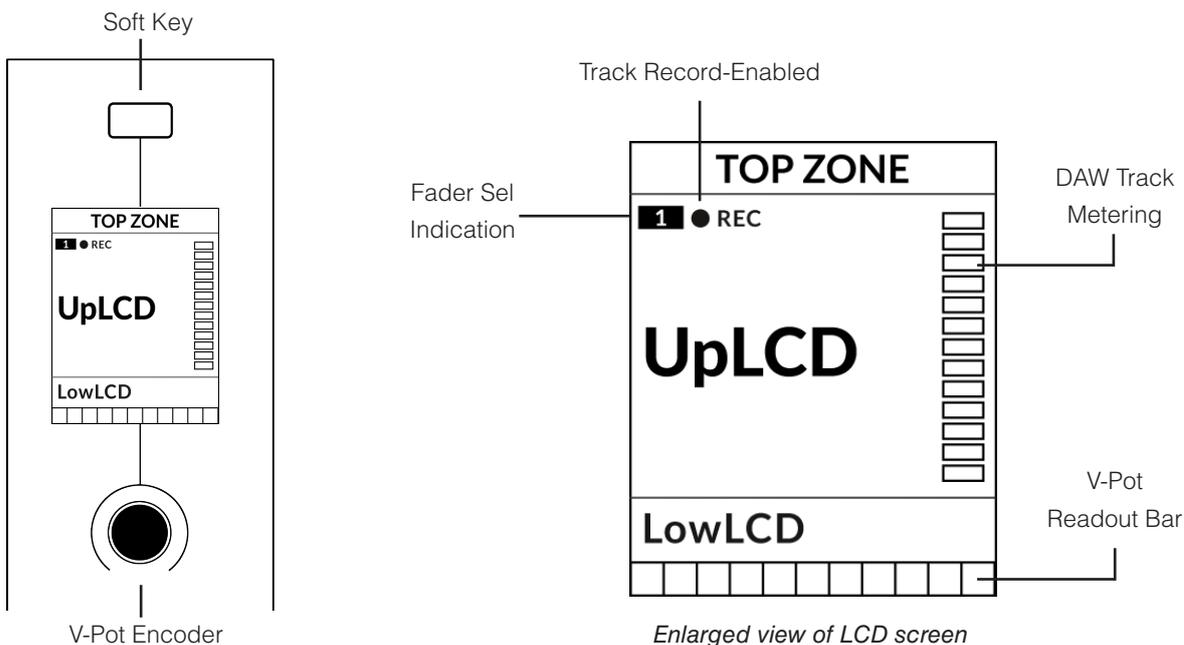


*STEP 3 : Go the Preferences menu and click on the External Devices tab.*



*STEP 4 : Add a Mackie Control and configure for SSL V-MIDI Port 1 on Receive From and Send To.*

## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the Soft Key button directly above.

**Track Record-Enabled (REC)** - In Studio One, the **REC** text appears when a track is record-enabled.

**Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.

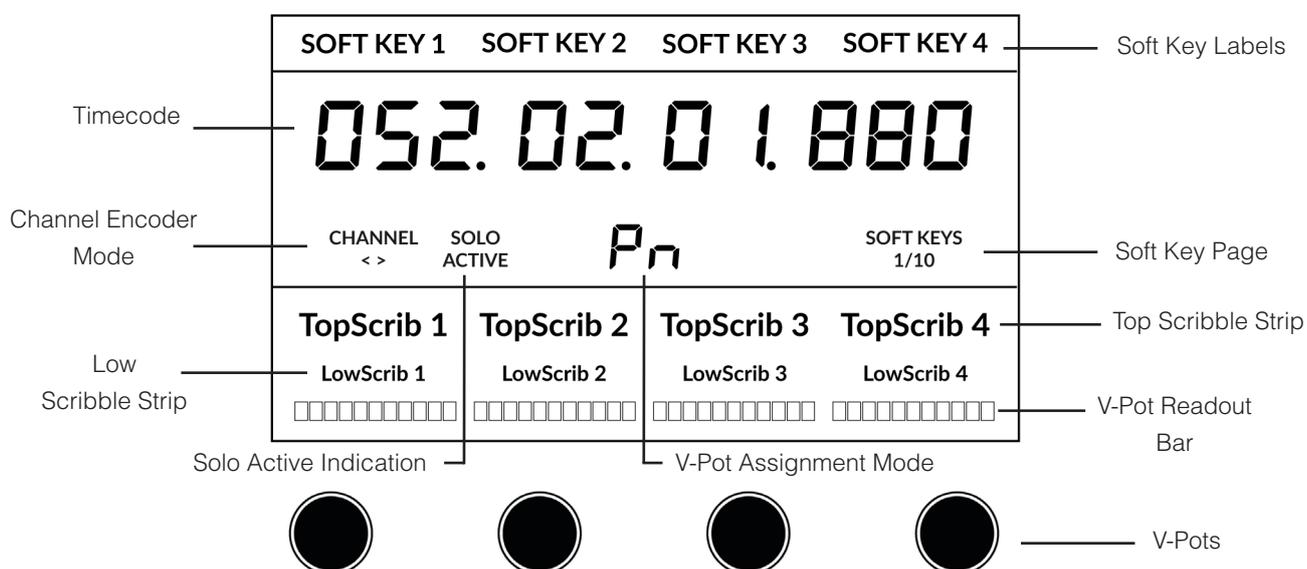
**UpLCD** - Displays the 6-character track name or parameter being controlled by the V-Pot, depending on the current mode.

**LowLCD** - Displays a fader value or value readout for the parameter currently assigned to the V-Pot, depending on the current mode.

**DAW Track Metering** - 12-segment track metering + clip

**V-Pot readout bar** - Displays the position of the currently assigned V-Pot (encoder) function.

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder Mode.

**Solo Active Indication** - Indicates if there are any active solo'd tracks..

**V-Pot Assignment Mode** - Displays the current V-Pot Assignment Mode.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the 6-character track name for tracks 1-4 or 5-8 of the current controller bank.

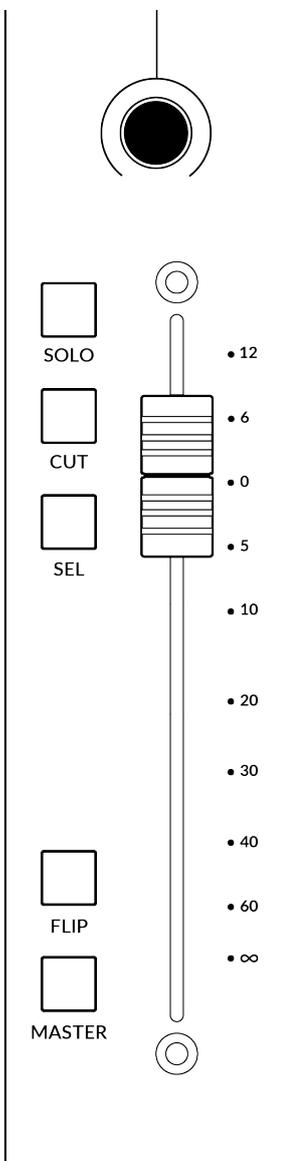
**Low Scribble** - Displays a label or value readout for the parameter currently assigned to the V-Pot, or the fader dB value if the V-Pot assignment mode is Pan.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Studio One.



### Before You Start...

The information in this Studio One Tutorial sets out the key features of using UF1 with Studio One.

Any aspect not covered in this guide can be found in the "**Studio One - Mackie Control Support**" document, available from the Presonus website.

### V-Pot

At the top of the strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active but it is typically used for tasks such as controlling Pan position, Send levels, Plug-in parameters or scrolling through parameter options/lists.

The V-Pot has a push function, which is typically used for defaulting the position of the parameter being controlled.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Studio One tracks and is great for balancing mix levels and riding volume automation.

*When the V-Pots are controlling Pans, the LowLCD section displays a fader dB readout.*

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Studio One track.

### Flip

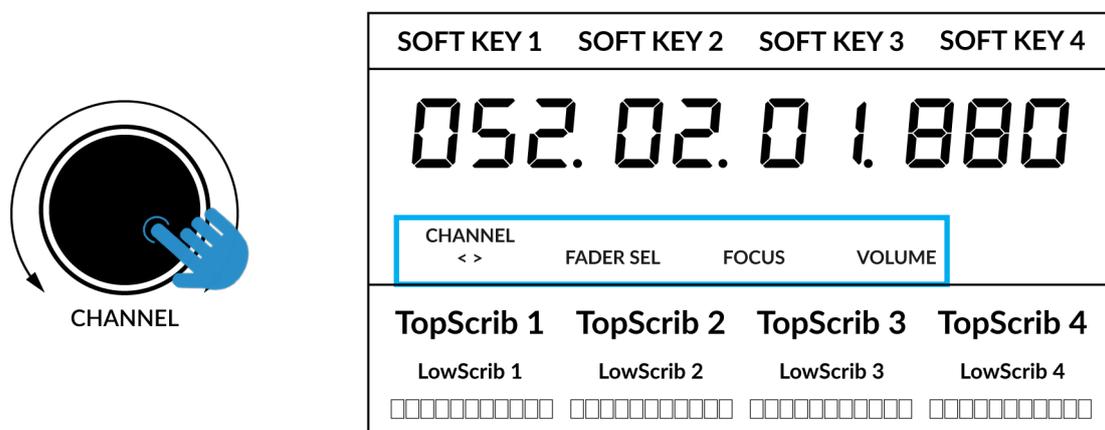
Pressing the **FLIP** key switches the functions of the V-Pots and faders. This is useful for various reasons, including tasks such as controlling Send levels on the fader instead of the V-Pots.

### Master

The Master Key enables the UF1 fader to control Studio One's Master Fader.

## Channel Encoder

Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.

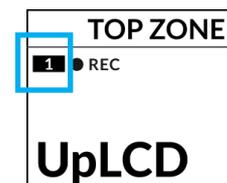


<>

By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

## Fader Sel

Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session.



## Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

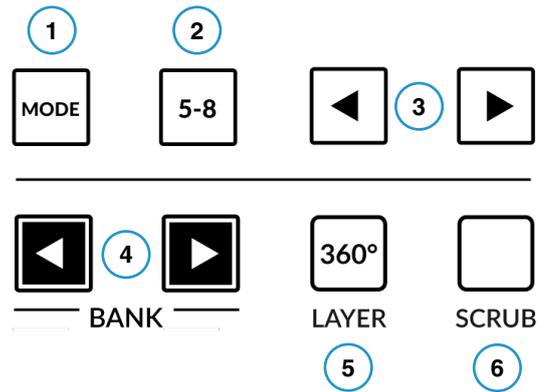
## Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



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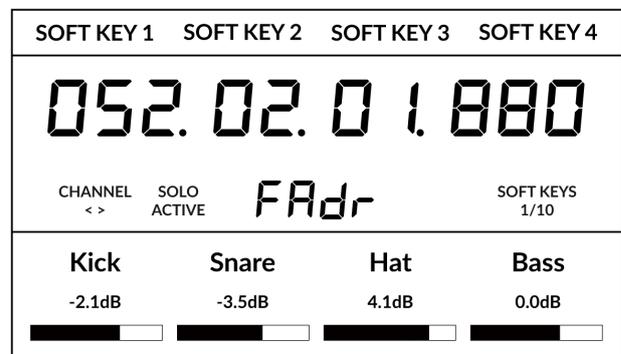
The 4 x V-Pots beneath the large display control various parameters such as pans, sends, plug-ins etc depending on the current V-Pot assignment mode.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.



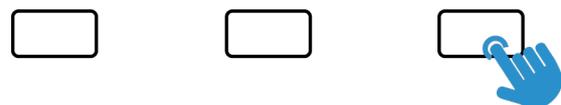
Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 5-8 Key (Button 2)

Assigns the V-Pots to control tracks 5-8 of the current controller bank.

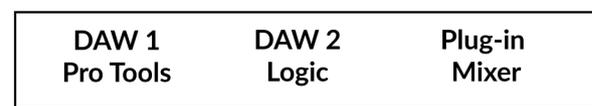
### Soft Key Page Banks (3)

Allows you to move through various pages of parameters that are assigned to the soft keys.



### Bank Keys (Button 4)

The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.



Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

### 360° / LAYER selection Key (Button 5)

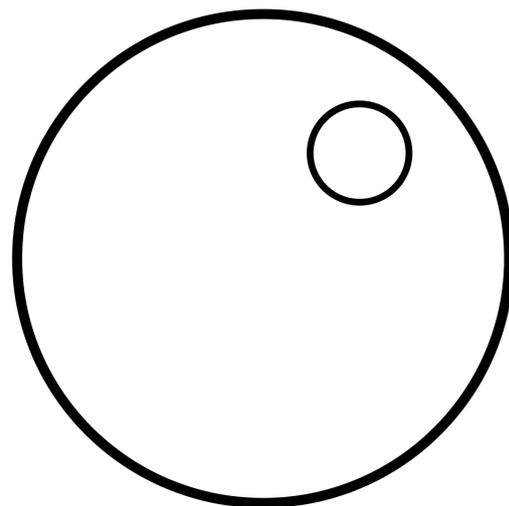
A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.

## SCRUB Key (Button 6)

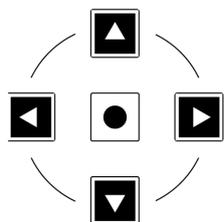
The **SCRUB** key has no function in Studio One and is therefore disabled.

## Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



## Cursor Keys and Mode Key



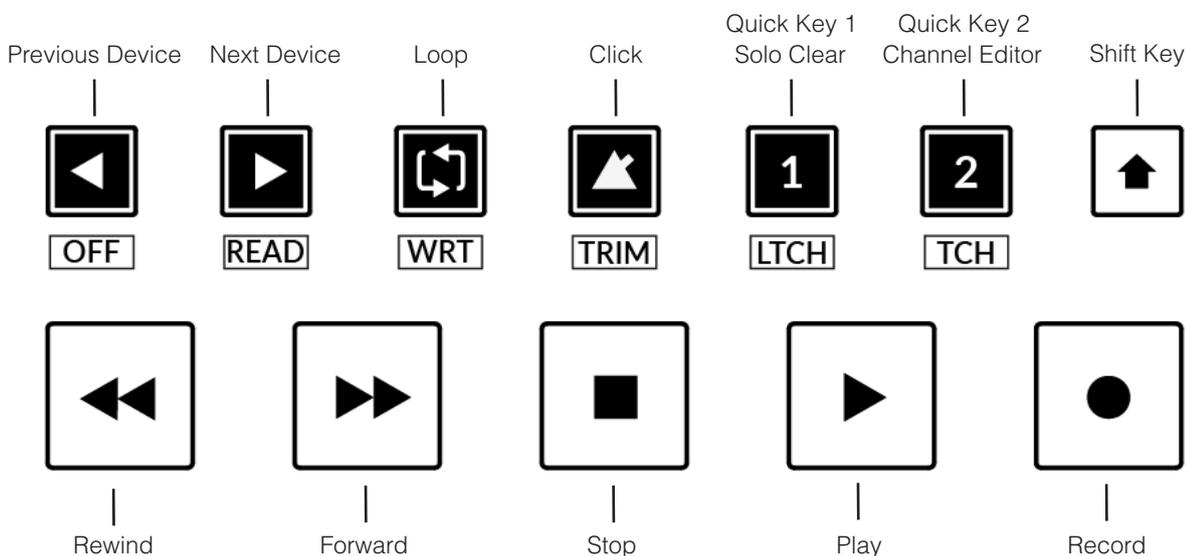
To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre.

When the Zoom key is lit the left and right cursor keys perform horizontal and vertical track zooming.

Pressing the Zoom key again, the up and down cursor keys change the selected track and the left and right cursor keys change the selected audio clip in the Arrangement View.

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Previous Device in the plug-in editor, Next Device in the plug-in editor, Loop on/off, metronome/click on/off and two quick keys. In Studio One, Quick Key 1 is preset to Solo Clear and Quick Key 2 opens the Channel Editor window.

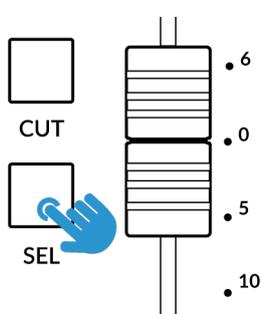
## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing the **SHIFT** button and provide access to the automation modes within Studio One.



## Automation

To select the automation mode for the DAW track shown on the UF1 fader, you will first need to press the **SEL** key. Next, engage the **SHIFT** key to change the secondary transport keys to be automation keys. Finally, press the secondary transport key that matches your desired automation mode.



**STEP 1:** Use the **SEL** key to select the track.



**STEP 2:** Engage the **SHIFT** KEY to re-purpose the secondary transport keys to be automation keys.



**STEP 3:** press to select the automation mode you wish to set the track to.

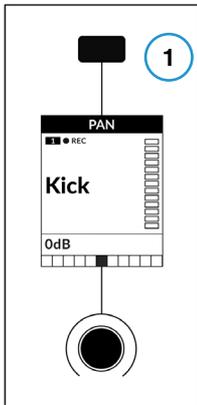
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*TRIM automation mode is not applicable to Studio One and as such, the key is disabled.*

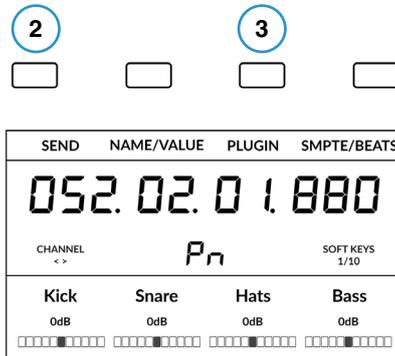
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## V-Pot Assignment Modes

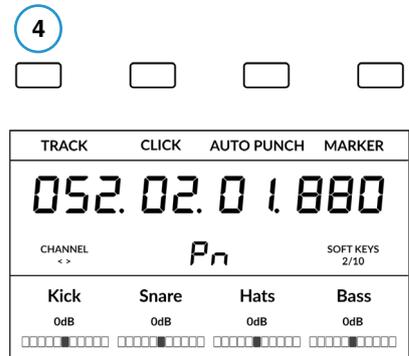
UF1 offers direct access to Studio One's four main Mackie Control V-Pot assignment modes. These V-Pot assignment modes are accessed via the keys labelled below: 1. **PAN**, 2. **SEND**, 3. **PLUGIN** and 5. **TRACK**.



The Pan Key is located on the Soft Key above the Small LCD



Send & Plug-in is available on Soft Key Page 1



Track is available on Soft Key Page 2

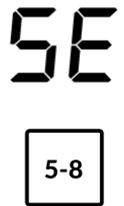
### 1 - PAN

Assigns the Pan controls to the V-Pots on UF1. Pushing a V-Pot will default it to the centre position.

### 2 - SEND

Assigns the Send controls to the V-Pots. Pushing the V-Pot defaults the Send to 0 dB.

The first press of the **SEND** key will place the Sends of the *selected track* across the V-Pots and their values will be displayed in the LowLCD zone. This send mode is indicated by **SE** in the 2-digit V-Pot assignment mode display area. Use the **5-8** key to access sends 5-8 on the selected track.



Repeatedly pressing the **SEND** key will cycle the V-Pots through controlling a specific Send 'slot' across all tracks at once. This send mode is indicated by **S1, S2, S3, S4** etc in the 2-digit V-Pot assignment mode display area.



### 3 - PLUGIN

Set the V-Pots to 'Control Link' mode to control plug-ins but you must map your desired plug-in parameters first. See the next page.

### 4 - TRACK

The V-Pots allow you to control a number of functions of the selected track:

- V-Pot 1 - Bypass All FX Insert Slots
- V-Pot 2 - Monitor on/off
- V-Pot 3 - Input Source
- V-Pot 4 - Output Source
- V-Pot 5 - Send Slot 1 Bypass (**5-8** key engaged to access)
- V-Pot 6 - Send Slot 2 Bypass (**5-8** key engaged to access)
- V-Pot 7 - Send Slot 3 Bypass (**5-8** key engaged to access)
- V-Pot 8 - Send Slot 4 Bypass (**5-8** key engaged to access)



### PLUG-IN mapping and control explained

Press the **PLUGIN** key to go into 'Control Link' Mode. The 2-digit V-Pot assignment mode reads **PL**.

In Studio One, you customise which plug-in parameters are controlled on the V-Pots of UF1 for each and every plug-in you want to control. When you press the **PLUGIN** key for the first time, no plug-in parameters will be available because you need to configure whilst in 'Control Link' Mode. We'll walk through the process in the **Setting Up Plug-In Control** section.

1. Open up a plug-in you want to configure to be controlled by UF1's V-Pots and click the cog near the top-right.



Click the cog

2. Click the small down arrow near the top-left and make sure 'Recently Touched' is ticked from the drop-down list.



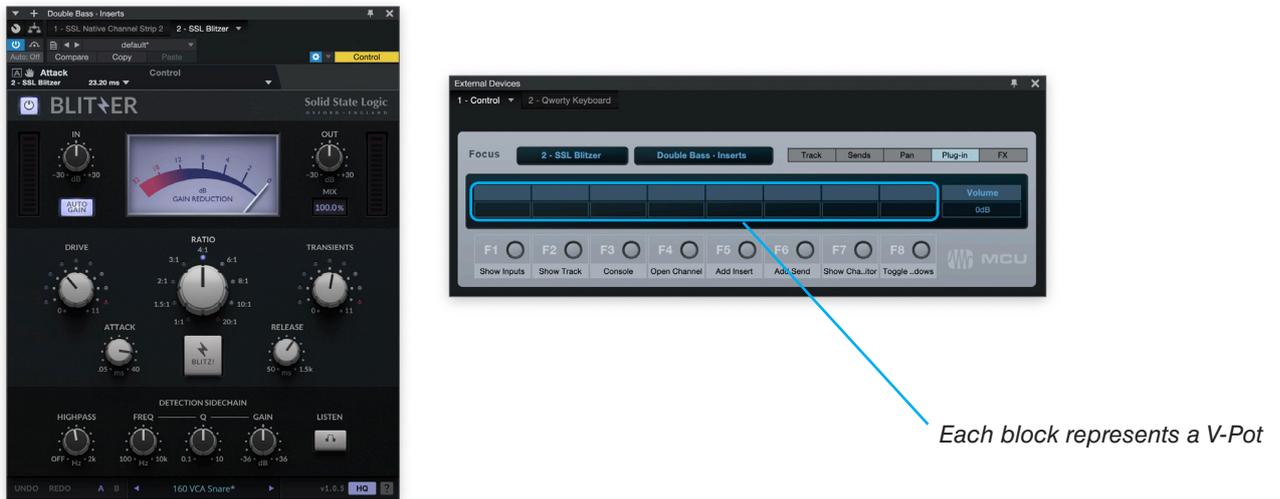
Click the down arrow

Tick 'Recently Touched'

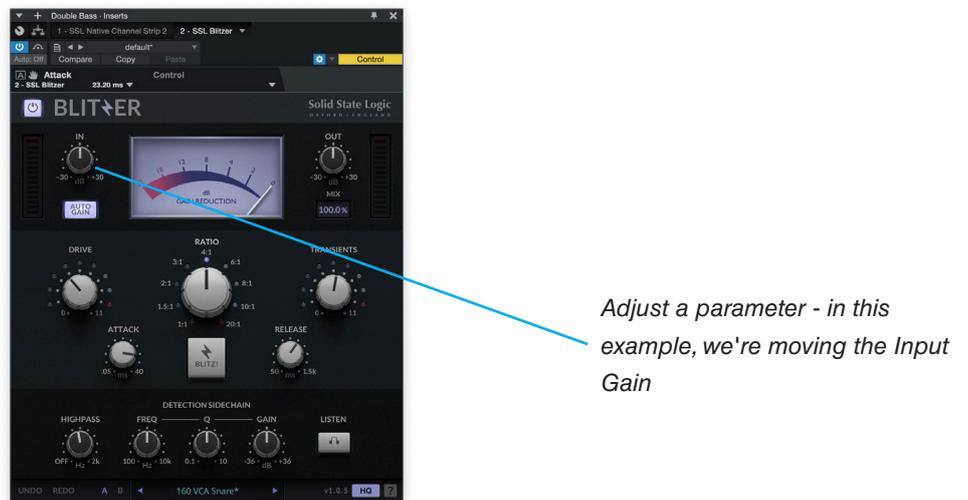
3. Click the small down arrow across to the right and select 'Control' from the drop-down list.



4. The External Devices Window will appear. Each blue block within the window represents a V-Pot.

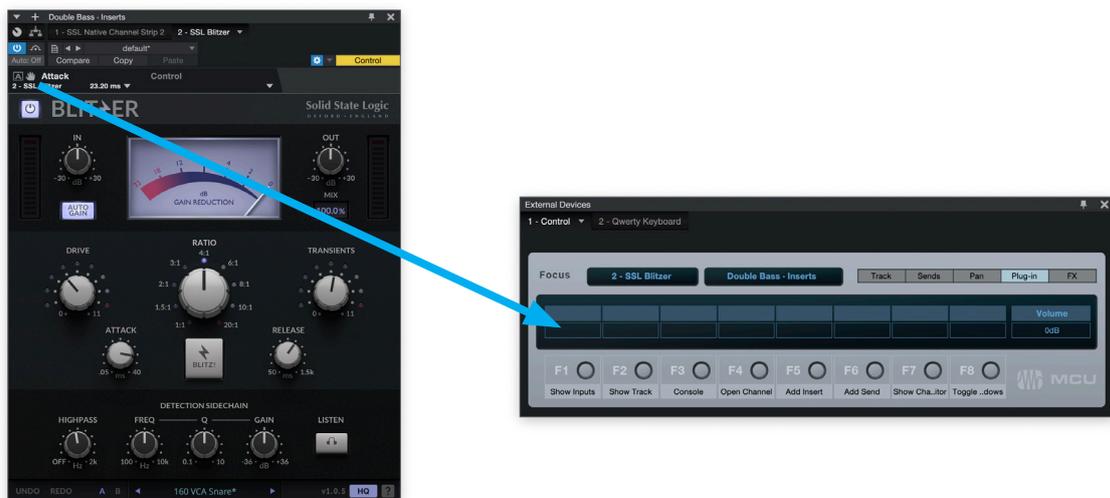


5. With your mouse, adjust a plug-in parameter that you want to assign to one of the V-Pots.



6. Click down on the small hand symbol and drag it across to one of the blocks in the External Devices window.

*Click and drag from the small hand symbol into the External Devices window*



7. The control has been successfully assigned to the first V-Pot. Repeat the process with other parameters and other plug-ins as you desire. Use the **5-8** key to access V-Pots 5-8.



*Successfully assigned control to V-Pot 1*

## User Bank Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

### Soft Key Page 1



SEND    INSERT BYP    PLUGIN    SMPTE/BEATS

### Soft Key Page 2



TRACK    CLICK    AUTO PUNCH    MARKER

### Soft Key Page 3



Shift    Option    Ctrl    Alt

### Soft Key Page 4



REC ARM    UNDO    CANCEL    ENTER

### Soft Key Page 5



NAME/VALUE    AUDIO TRACK    AUDIO INSTS    FX CHANNELS

### Soft Key Page 6



BUSSES    OUTPUTS    ALL TRACKS    SOLO CLEAR

### Soft Key Page 7



SHOW INPUTS    SHOW TRACK    CONSOLE    OPEN CHAN

### Soft Key Page 8



ADD INSERT    ADD SEND    CHAN EDITOR    FLOAT WIND

### Soft Key Page 9 (Unassigned)



F1    F2    F3    F4

### Soft Key Page 10 (Unassigned)



F5    F6    F7    F8

## Function Select Keys 1-8 (F1 - F8)

User Bank 7 & 8 are preassigned to F keys 1-8. The functions of the F keys can be changed in Studio One in the External Devices window (the same window used to assign plug-in parameters to V-Pots). If you have changed an F key away from its default assignment, you can of course re-label the key in SSL 360° using the Short Label text entry box, so the correct function names show on UF1's LCD.



*Right-click on the button and click 'Assign Command...' to change the function of any of the F keys.*

## Assignable DAW Commands List - Studio One

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys. Labels in brackets are added to clarify what a command does when it may not be obvious according to the original Mackie Control label.

Track	Alt
Pan Sur	Read/Off
EQ (Insert Bypass)	Write
Send	Touch
Plugin	Latch
Flip	Save
Global View	Undo
Name/Value	Cancel
SMPTE/Beats	Enter
F1 (Show Inputs)	Marker
F2 (Show Track)	Cycle
F3 (Console)	Drop (Auto Punch)
F4 (Open Channel)	Click
F5 (Add Insert)	Solo (Clear)
F6 (Add Send)	Forward
F7 (Show Channel Editor)	Rewind
F8 (Toggle Floating Window)	Stop
Audio Tracks	Play
Audio Instruments	Record
Aux (FX Channels)	Play Foot-switch
Busses	Record Foot-switch
Outputs	Rec/Rdy
User (Remote Banks)	Previous Device in Plug-In Editor
Shift	Next Device in Plug-In Editor
Option	
Control	

# LUNA with UF1 - Tutorial

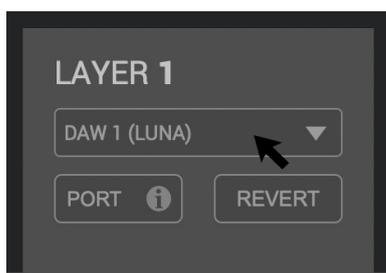
The following tutorial guides you through configuring and using the default LUNA profile on **LAYER 1** of UF1. If you wish to configure LUNA on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports..

## SSL 360° Setup

1. Open the SSL 360° application on your computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set **Layer 1** to **LUNA** using the drop-down list. If LUNA is not available from the drop-down list it is because you have not configured it as DAW 1 on the [CONTROL SETUP](#) page - ensure you do this first.



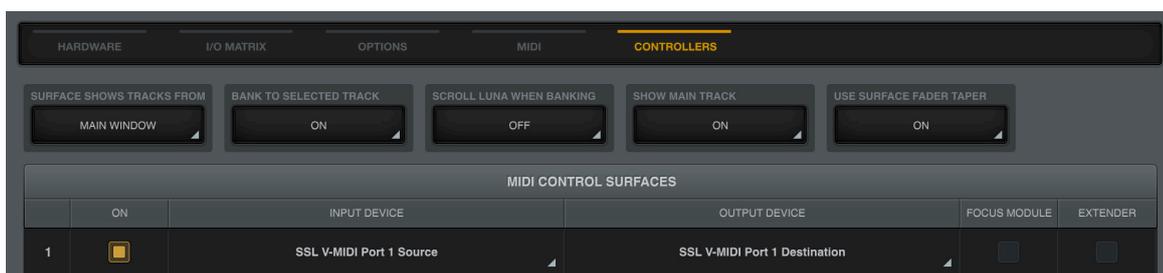
*STEP 1 : Open SSL 360° application.  
Check your UF1 has been detected.*



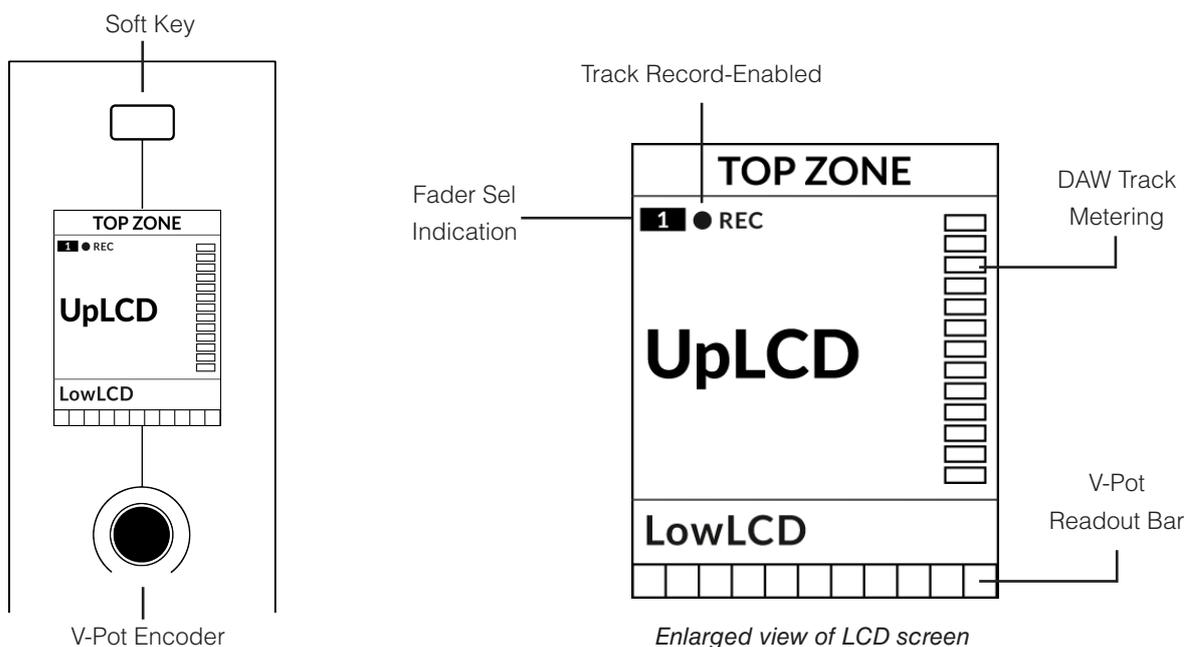
*STEP 2 : Select the default LUNA  
DAW profile from the UF1 page.*

## LUNA Setup

3. Open the LUNA sidebar by clicking the UA diamond logo on the left of the screen, and clicking **Settings**, or choose **LUNA > Preferences** from the app menu. **Click Controllers.**
4. In one of the MIDI Control Surface rows, click under **Input Device** and select **SSL V-MIDI Port 1 Source** and under **Output Device** select **SSL V-MIDI Port 1 Destination**.
5. Select the box in the **ON** column to enable the control surface.
6. Configure LUNA's MCU options as you desire, such as **SURFACE SHOWS TRACKS FROM, BANK TO SELECTED TRACK, SCROLL LUNA WHEN BANKING** etc.



## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the Soft Key button directly above.

**Track Record-Enabled (REC)** - In LUNA, the **REC** text appears when a track is record-enabled.

**Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.

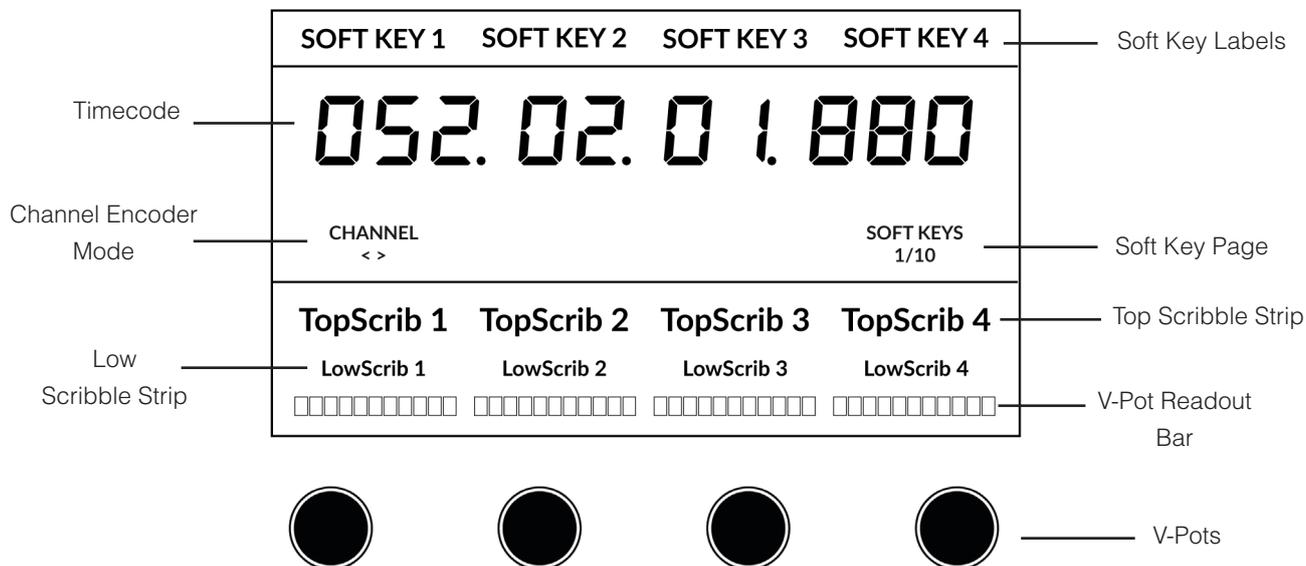
**UpLCD** - Displays the 7-character track name or parameter being controlled by the V-Pot, depending on the current mode.

**LowLCD** - Displays a value readout for the parameter currently assigned to the V-Pot, or, the fader gain if the fader is moved.

**DAW Track Metering** - 12-segment track metering + clip

**V-Pot readout bar** - Displays the position of the currently assigned V-Pot (encoder) function.

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder Mode.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the 7-character track name for tracks 1-4 or 5-8 of the current controller bank.

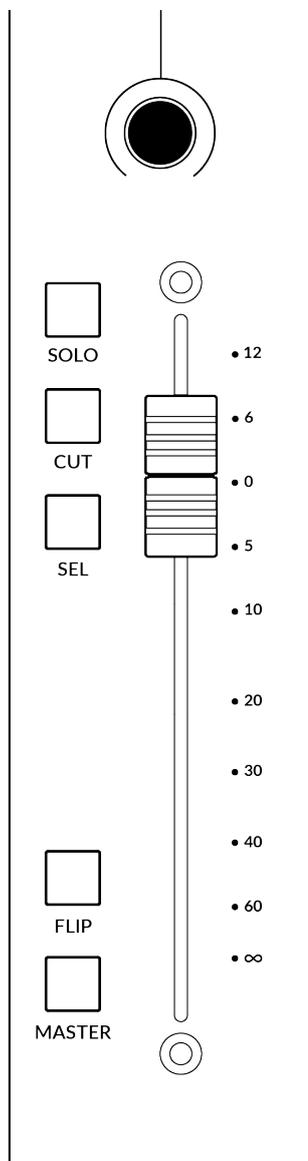
**Low Scribble** - Displays a value readout for the parameter currently assigned to the V-Pot.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with LUNA.



### Before You Start...

The information in this LUNA Tutorial sets out the key features of using UF1 with LUNA.

Any aspect not covered in this guide can be found on Universal Audio's website

<https://help.uaudio.com/hc/en-us/articles/4406777753236-LUNA-Control-Surface-Compatibility-Setup>

### V-Pot

At the top of the strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active but it is typically used for tasks such as controlling Pan position, Send levels etc.

The V-Pot has a push function, which is typically used for defaulting the position of the parameter being controlled.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your LUNA tracks and is great for balancing mix levels and riding volume automation.

---

*When a fader is moved, the LowLCD section displays a fader dB readout.*

---

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the LUNA track.

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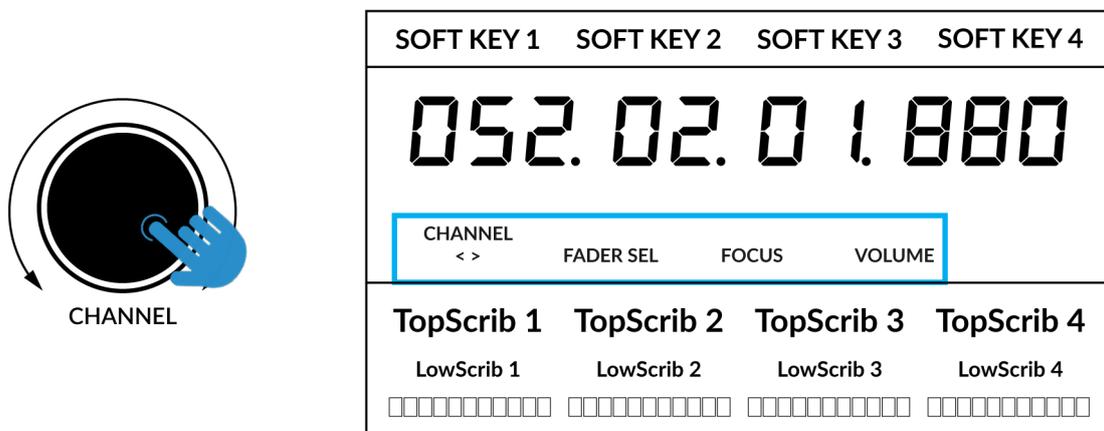
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The Master Key enables the UF1 fader to control LUNA's Master Fader.

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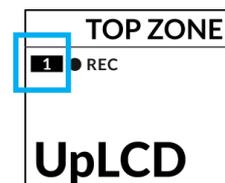


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By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

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Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session.



### Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

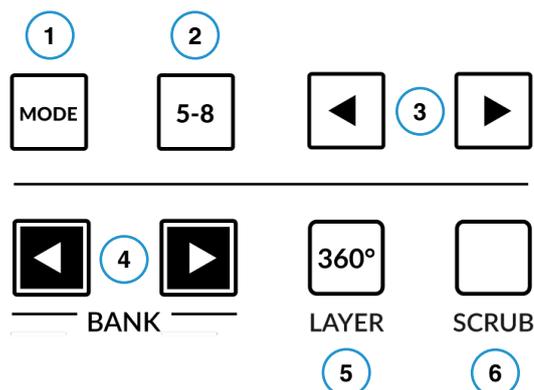
### Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

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The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



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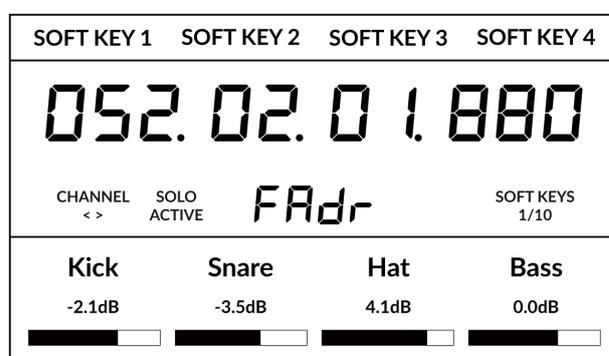
The 4 x V-Pots beneath the large display control various parameters such as pans, sends etc depending on the current V-Pot assignment mode.

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The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

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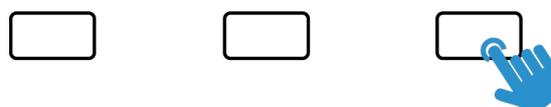
Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

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Assigns the V-Pots to control tracks 5-8 of the current controller bank.

### Soft Key Page Banks (3)

Allows you to move through various pages of parameters that are assigned to the soft keys.



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Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

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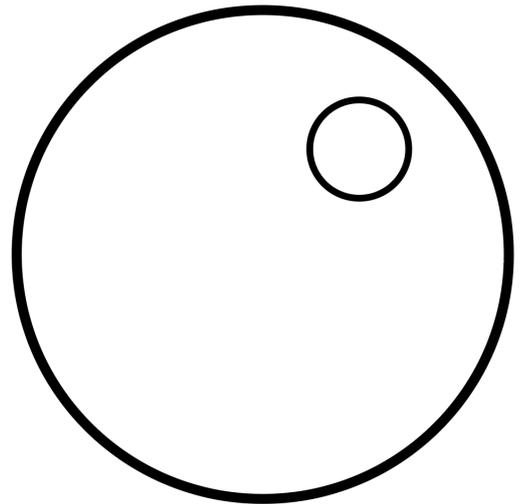
A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.

## SCRUB Key (Button 6)

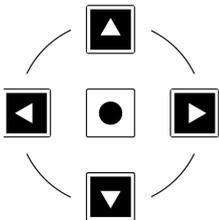
The **SCRUB** key has no function in LUNA and is therefore disabled.

## Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



## Cursor Keys and Mode Key



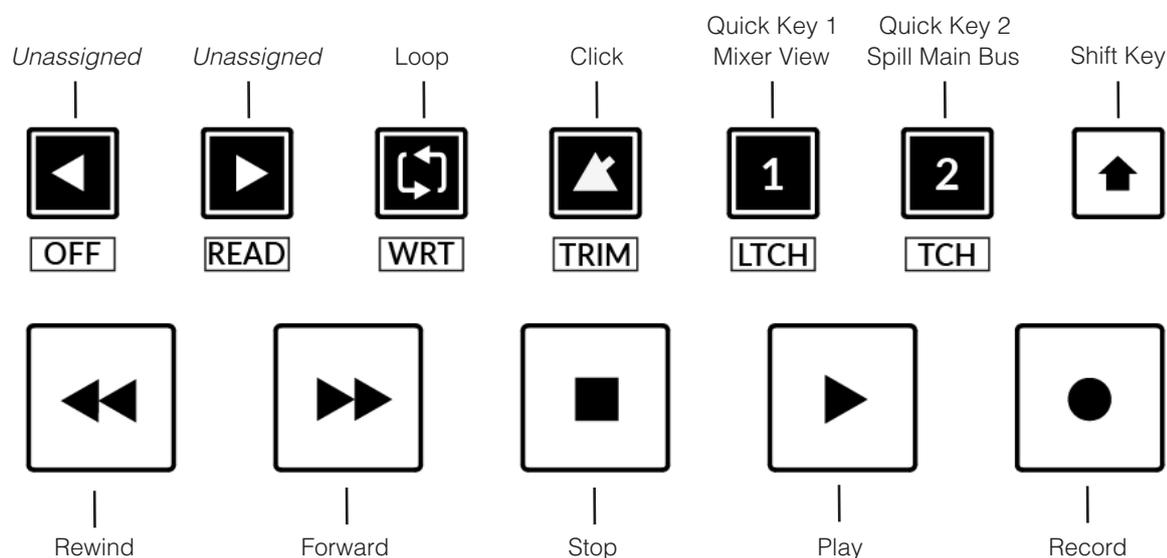
To the left of the jog wheel you will find the Cursor keys, with the Mode key in the centre.

When the Zoom key is lit the left and right cursor keys perform horizontal and vertical track zooming.

Pressing the Zoom key again, the up and down cursor keys change the selected track and the left and right cursor keys move you between markers.

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind (in LUNA this goes to the start) Forward (in LUNA this goes to the end), Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: the first two keys are unassigned, Loop on/off, metronome/click on/off and two quick keys. In LUNA, Quick Key **1** is preset Mixer View and Quick Key **2** spills the Main Bus.

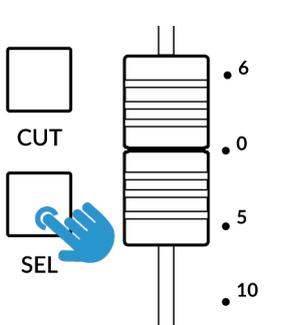
## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing the **SHIFT** button and provide access to the automation modes within LUNA.



## Automation

To select the automation mode for the DAW track shown on the UF1 fader, you will first need to press the **SEL** key. Next, engage the **SHIFT** key to change the secondary transport keys to be automation keys. Finally, press the secondary transport key that matches your desired automation mode.



STEP 1: Use the SEL key to select the track.



STEP 2: Engage the SHIFT KEY to re-purpose the secondary transport keys to be automation keys.



STEP 3: press to select the automation mode you wish to set the track to.

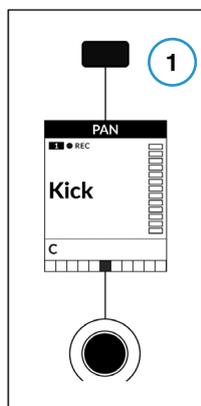
---

WRITE automation mode is not applicable to LUNA and as such, the key is disabled.

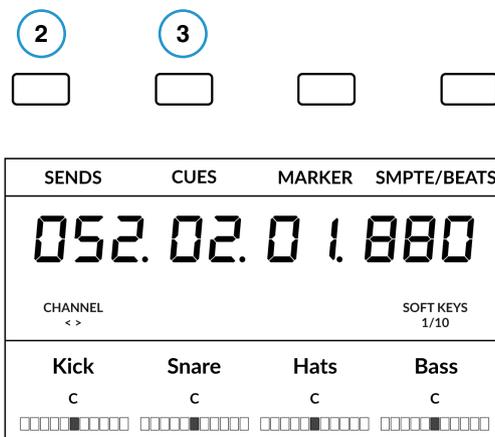
---

## V-Pot Assignment Modes

UF1 offers direct access to LUNA's Mackie Control V-Pot assignment modes. These V-Pot assignment modes are accessed via the keys labelled below: 1. **PAN**, 2. **SENDS**, 3. **CUES**.



The Pan Key is located on the Soft Key above the Small LCD



Sends & Cues are available on Soft Key Page 1

### 1 - PAN

Assigns the Pan controls to the V-Pots on UF1. Pushing a V-Pot will default it to the centre position.

### 2 - SEND and 3 - CUES

These assign the V-Pots to LUNA's Sends and Cues. You can cycle through the various modes for controlling sends by repeatedly pressing each button (**SENDS** or **CUES**). Or you can push and hold either key and whilst keeping the key held, push the relevant V-Pot to control a particular send slot. Use in conjunction with the **5-8** key to access all send parameters or send slots

5-8

## User Bank Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

### Soft Key Page 1



SEND	CUES	MARKER	SMPTE/BEATS
------	------	--------	-------------

### Soft Key Page 2



SOLO CLEAR	MIXER	SPILL MAIN	REC ARM
------------	-------	------------	---------

*Soft Key Pages 3-10 come unassigned.*

## Assignable DAW Commands List - LUNA

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys. "Has no function" has been appended for MCU commands that are not implemented in LUNA's MCU control implementation..

- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| Track - Has no function             | Shift                               |
| Pan/Surround (Left-right Pan)       | Option                              |
| Cues                                | Control                             |
| Sends                               | Alt                                 |
| Plugin - Has no function            | Read                                |
| Flip                                | Write                               |
| Global View - Has no function       | Touch                               |
| Name/Value - Has no function        | Latch                               |
| SMPTE/Beats                         | Trim                                |
| F1 (Mixer View)                     | Save - Has no function              |
| F2 (Spill Main Bus)                 | Undo                                |
| F3- Has no function                 | Cancel - Has no function            |
| F4 - Has no function                | Enter - Has no function             |
| F5 - Has no function                | Marker                              |
| F6 - Has no function                | Cycle                               |
| F7 - Has no function                | Drop (Auto Punch) - Has no function |
| F8 - Has no function                | Click                               |
| MIDI Tracks - Has no function       | Solo (Clear)                        |
| Inputs - Has no function            | Forward                             |
| Audio Tracks - Has no function      | Rewind                              |
| Audio Instruments - Has no function | Stop                                |
| Aux - Has no function               | Play                                |
| Busses - Has no function            | Record                              |
| Outputs - Has no function           | Scrub                               |
| User - Has no function              | Rec/Rdy                             |

# Pyramix with UF1 - Tutorial

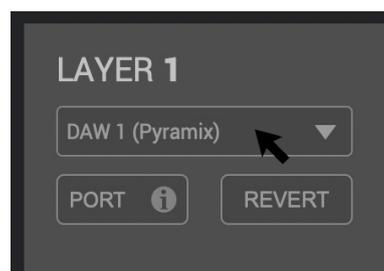
The following tutorial guides you through configuring and using the default Pyramix profile on **LAYER 1** of UF1. If you wish to configure Pyramix on a different layer, please refer to the *DAW Communication* section of this User Guide to ensure your DAW is configured for the correct **SSL V-MIDI** ports..

## SSL 360° Setup

1. Open the SSL 360° application on your computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set **Layer 1** to **Pyramix** using the drop-down list. If Pyramix is not available from the drop-down list it is because you have not configured it as DAW 1 on the **CONTROL SETUP** page - ensure you do this first.



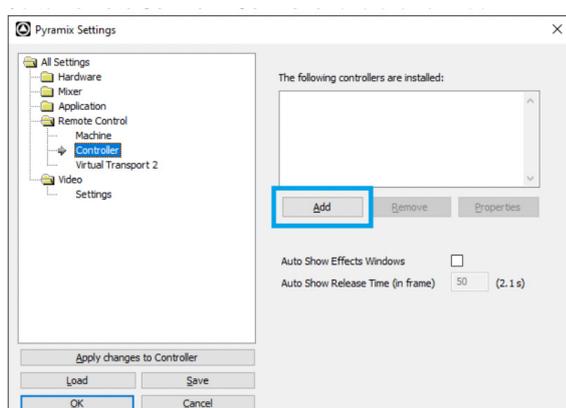
*STEP 1 : Open SSL 360° application.  
Check your UF1 has been detected.*



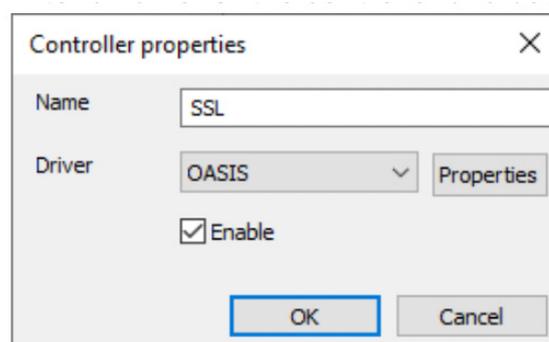
*STEP 2 : Select the default Pyramix  
DAW profile from the UF1 page.*

## Pyramix Setup

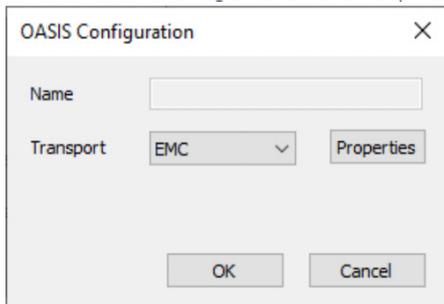
3. Open Pyramix and access the **Settings > All Settings** menu. Go to **Remote Control > Controller** and click on **Add**.
4. Enter a name for the controller and set the Driver to **OASIS**.
5. Click on the **Properties** button.
6. In the **OASIS** Configuration window, set the Transport to **EMC**.
7. Click on the Properties button.
8. Set **SSL V-MIDI Port 1** for both **Midi In** and **Midi Out ports**. In this list, ensure that any SSL V-MIDI Ports you need are assigned.
9. In the Controller drop-down menu, select **SSL UF8 MackieCtrl**. Press OK to close the different windows.



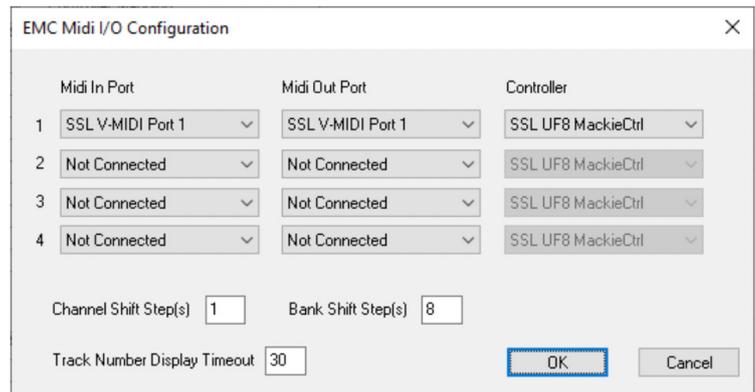
*STEP 3: Access the Settings > All Settings menu. Go  
to Remote Control > Controller, click on Add.*



*STEP 4: Enter a name for the controller and set the  
Driver to OASIS.*

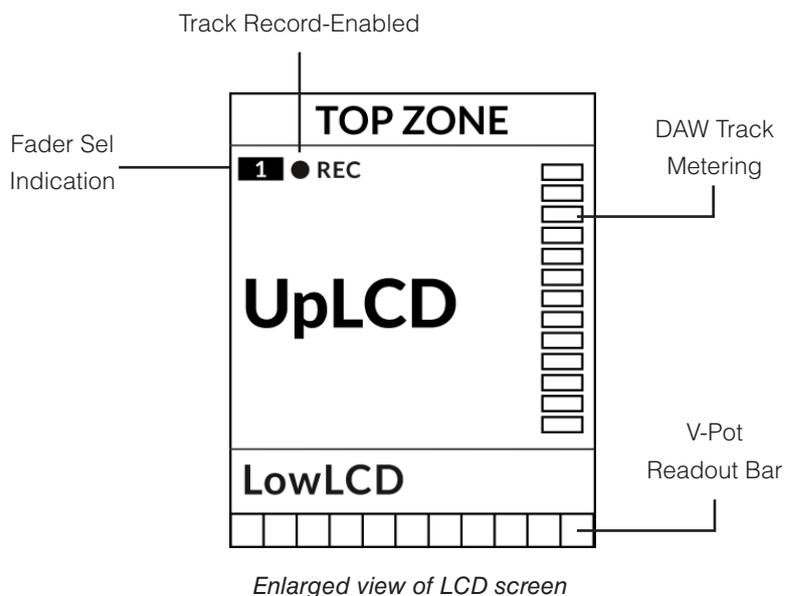
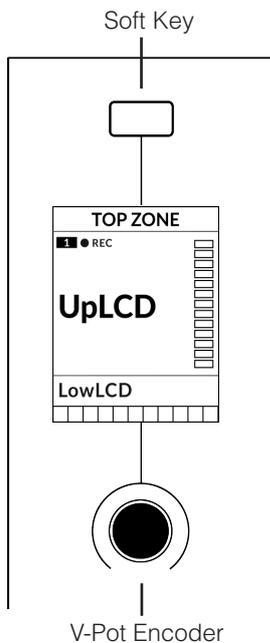


STEP 6 : Click on the Properties button. In the OASIS Configuration window, set the Transport to EMC.



STEPS 7,8,9: Click on the Properties button. Set SSL V-MIDI Port 1 for both Midi In and Midi Out ports. I

## Small LCD Layout



**Top Zone** - Provides a label for the function assigned to the Soft Key button directly above.

**Track Record-Enabled (REC)** - In Pyramix, the **REC** text appears when a track is record-enabled.

**Fader Sel Indication** - Displays the fader number within the current controller bank UF1 is focused on.

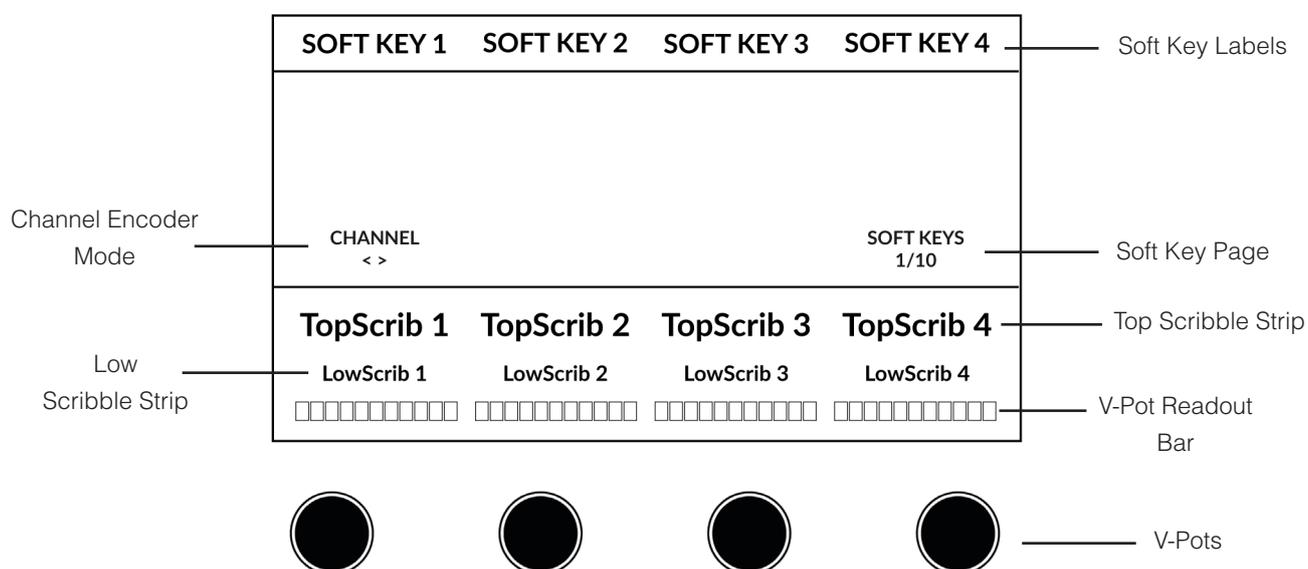
**UpLCD** - Displays the track name or V-Pot parameter value when the V-Pot is being turned.

**LowLCD** - Unused by Pyramix.

**DAW Track Metering** - 12-segment track metering + clip.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot (encoder) function.

## Large LCD Layout



**Soft Key Labels** - Labels for the functions assigned to the soft keys directly above.

**Timecode** - Shows the current timecode in Bars/Beats or SMPTE.

**Channel Mode** - Indicates the current **CHANNEL** encoder Mode.

**Soft Key Page** - Displays the current Soft Keys page number

**Top Scribble** - Displays the track name or V-Pot parameter value when the V-Pot is being turned for tracks 1-4 or 5-8 of the current controller bank.

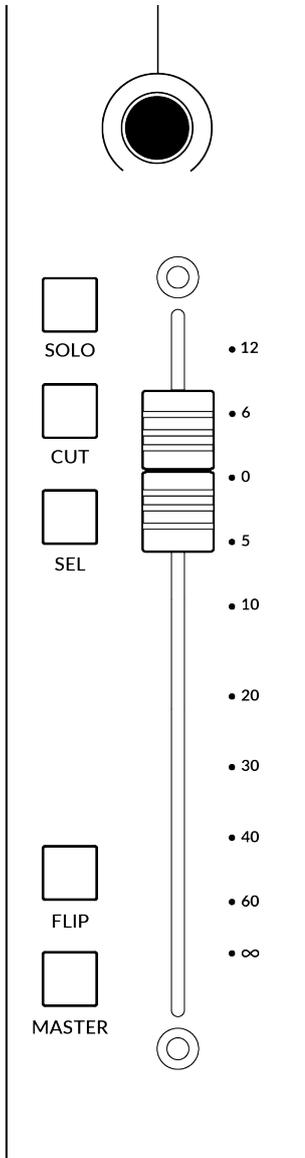
**Low Scribble** - Unused by Pyramix.

**V-Pot Readout Bar** - Displays the position of the currently assigned V-Pot function.

**V-Pots** - 4 x V-Pots that control the assigned parameters.

## Tutorial

This section guides you through using UF1 with Pyramix.



### Before You Start...

SSL UF1 MackieCtrl implementation has been available since Pyramix 14.0.4 Hotfix but please ensure that you are running the latest version of Pyramix, as it may have addressed any MCU bugs present in the 14.0.4 Hotfix version.

### V-Pot

At the top of each strip is the V-Pot (virtual pot). The function of the V-Pot varies, depending on which V-Pot assignment mode is currently active and is typically used for tasks such as controlling Pan position, Sends Levels etc.

The V-Pot has a push function, which is typically used to inform the automation engine that the parameter being controlled is released.

### 100 mm Motorised Fader

A motorised, touch-sensitive fader provide physical control of your Pyramix tracks. The surface silkscreen matches the Pyramix fader scale.

### Solo, Cut & Sel (Select)

The UF1 fader strip features **SOLO**, **CUT** and **SEL** keys corresponding to the solo, mute and select features of the Pyramix track.

### Flip

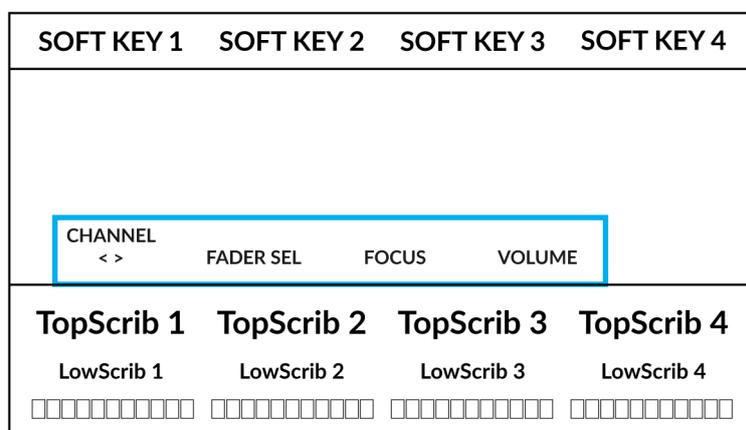
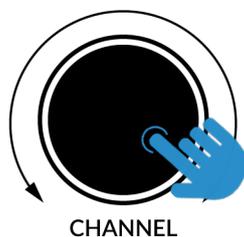
No function is given to this key by Pyramix.

### Master

No function is given to this key by Pyramix.

## Channel Encoder

Pressing down on the **CHANNEL** encoder, the large LCD will change to display the available **CHANNEL** encoder modes. Turn the encoder to highlight the desired mode and press down again to select the mode.

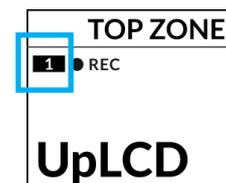


<>

By default, the **CHANNEL** encoder is used to move your DAW tracks across the UF1 surface, in increments of one channel at a time.

## Fader Sel

Allows you to change the number of the track within the current controller bank that UF1 is focused on. UF1 defaults to the first channel (i.e. fader '1') within the bank and this is shown in the top corner of the UF1 small display. You may need to change this to access tracks at the end of the mixer, when the bank of 8 faders UF1 is controlling butts up against the end of the session.



## Focus

Emulates the scroll function of a mouse. This can be a really nice way of controlling plug-ins or anything else on screen that responds to a mouse scroll operation. Simply open a plug-in GUI, hover your computer mouse over a control and turn the encoder for hands-on control.

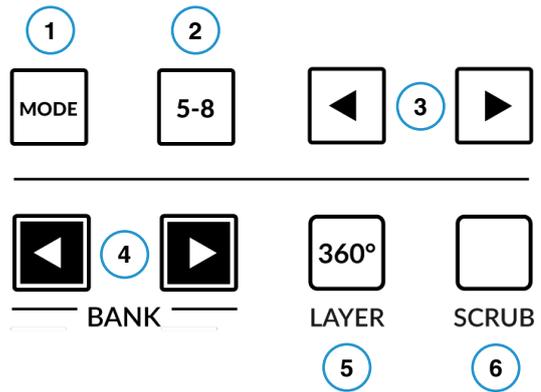
## Volume

The **CHANNEL** encoder controls the system volume level, if the audio device you are using can be controlled by the operating system's volume up/down. For example, if you're on the road with your headphones plugged into the computer's built-in audio output.

## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 associated V-Pots. Pressing the **MODE** key toggle you through the different options. Holding down the **MODE** button allows direct access to each mode via the soft keys at the top of the large LCD. Each mode is colour coded:



### General DAW (white)

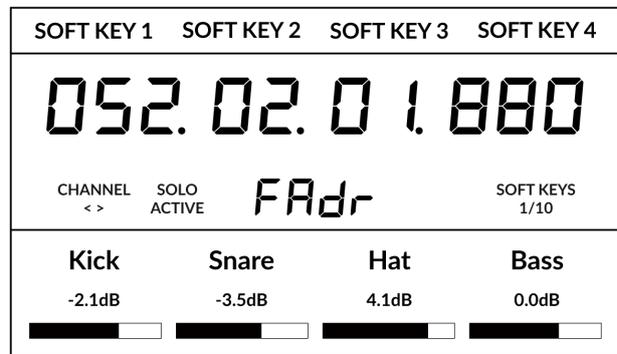
The 4 x V-Pots beneath the large display control various parameters such as pans, sends etc depending on the current V-Pot assignment mode.

### DAW Faders (green) - "FAdr"

The V-Pots control the fader levels across 4 tracks in the current controller bank. The level is represented by both a dB text readout and the V-Pot readout bar.

### Meter Plug-in (yellow)

The V-Pots and soft keys directly control the SSL Meter plug-in, via SSL 360°. Because this mode is the same across all DAWs, please refer to the [SSL Meter control section](#) at the end of this user guide for more information.



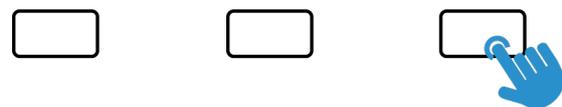
Above shows the DAW Faders "FAdr" mode has been selected. The V-Pots beneath the large screen control DAW fader levels.

### 5-8 Key (Button 2)

Assigns the V-Pots to control tracks 5-8 of the current controller bank.

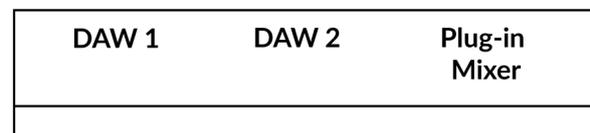
### Soft Key Page Banks (3)

Allows you to move through various pages of parameters that are assigned to the soft keys.



### Bank Keys (Button 4)

The bank keys move the fader selection in multiples of 8, with the 1st channel of the 8 appearing on both the **Main Fader** and the 1st of the channels to appear across the 4 V-Pots unless **5-8** is selected.



Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.

### 360° / LAYER selection Key (Button 5)

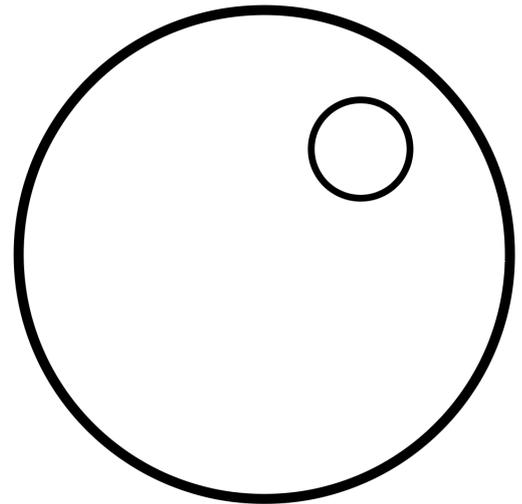
A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different DAW or Plug-in Mixer Layer.

## SCRUB Key (Button 6)

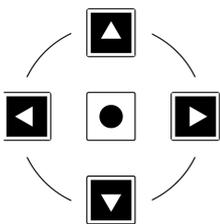
The **SCRUB** key has no function in Pyramix and is therefore disabled.

## Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



## Cursor Keys and Mode Key



To the left of the jog wheel you will find the Cursor keys.

Left / Right : Cursor to next/previous clip of the selected track.

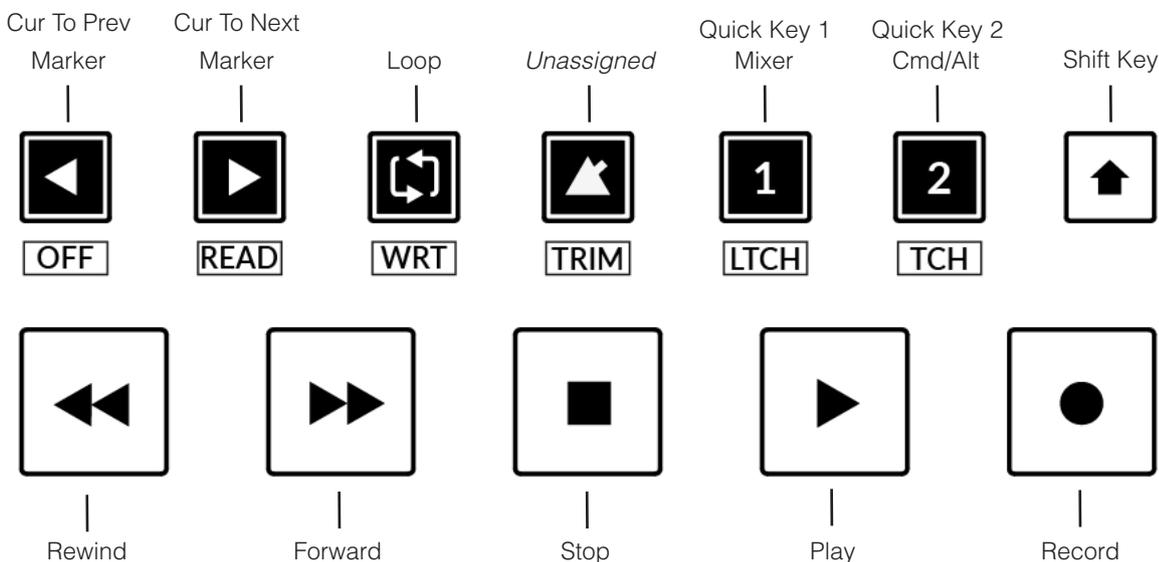
Shift + Left / Right : Nudge +/- 1frame (user defines in All Settings > Application > Editing >Nudge settings)

Up / Down : Zoom In/Out

Shift + Up / Down : Fit in window / Previous zoom

## Transport Controls

UF1 features dedicated transport keys section across the bottom, with the secondary transport keys laid out above. The secondary transport keys come preassigned to commonly used DAW functions like loop on/off and click on/off. The secondary transport keys are re-assignable via the 360° software application. There is also a shift key, which re-purposes the secondary transport keys with DAW automation modes.



## Transport Keys

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind, Forward, Stop, Play & Record.

## Secondary Transport Keys

The secondary transport controls allow quick access to some other frequently used features within the DAW. These keys can be reassigned via SSL 360°. The default mapping is as follows: Cur to Prev Marker, Cur To Next Marker, Loop on/off, unassigned and two quick keys. In LUNA, Quick Key **1** is preset to Mixer View Toggle & **2** the Alt Modifier key.

## Shifted Functions of the Secondary Transport Keys - Automation Modes

You will notice that there are additional labels beneath the **Secondary Transport** keys. These functions are accessed by pressing the **SHIFT** button and provide access to the automation modes within Pyramix.



## Automation

You can select the automation mode of the whole mixer directly from UF1 by pressing the **Shift** Key, followed by desired automation mode from the **AUTOMATION** mode from the Secondary Transport Key selection.

**OFF, READ, WRITE, TRIM** sets the Global Pyramix Automation modes.



STEP 1: Engage the SHIFT KEY to re-purpose the secondary transport keys to be automation keys.

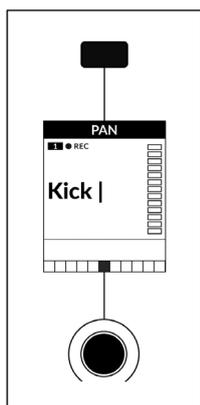


STEP 2: Press to select the automation mode

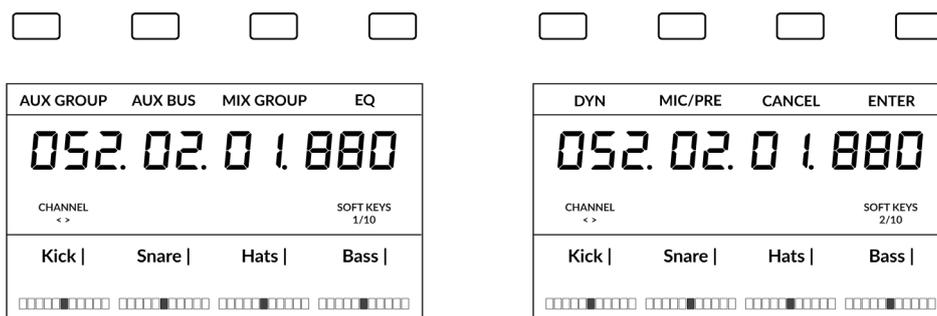
## V-Pot Assignment Modes

UF1 offers direct access to the Mackie Control V-Pot assignment modes implemented by Pyramix. These V-Pot assignment modes are accessed via the keys labelled below: Multiple presses of a V-Pot assignment mode button changes the function. E.g 1st **PAN** press : L/R, 2nd **PAN** press : F/R, 3rd **PAN** press : B/T...

*Note: when the label has a Slash "/", the secondary function is accessible via **Quick Key 2** key (the **MCU Cmd/Alt** modifier). This modifier allows you to perform 'secondary' Pyramix MCU functions - keep it held down whilst pressing MCU commands that offer an alternative function.*



The Pan Key is located on the Soft Key above the Small LCD.



Further V-Pot assignment modes are available via Soft Key Pages 1 and 2.

## User Bank Pre-Assignments

Soft Key pages 1-10 allow you access to various DAW commands or keyboard shortcuts on the 4 soft keys along the top of UF1. These can of course be changed to any of the available DAW commands or your own keyboard shortcut sequences in the UF1 page of SSL 360°. Use the Page < and > soft keys to move through the various pages The large screen on UF1 tells you which page you are on.

### Soft Key Page 1



AUX GROUP    AUX BUS    MIX GROUP    EQ

### Soft Key Page 2



DYN    MIC/PRE    CANCEL    ENTER

### Soft Key Page 3



COPY / CUT    PASTE    SELECT CLIP    ADD MARKER

### Soft Key Page 4



FADE EDITOR    PANNER MEDIA MANGMIX    DOWN/RE

### Soft Key Page 5



CUR TO MARKCUR TO MARK    MARK IN TO MARK OUT TO

### Soft Key Page 6



CUR TO STAR    CUR TO END    CUR TO PREV    CUR TO NEXT

### Soft Key Page 7



HUI F1    HUI F2    HUI F3    HUI F4

### Soft Key Page 8



HUI F5    HUI F6    HUI F7    HUI F8

### Soft Key Page 9

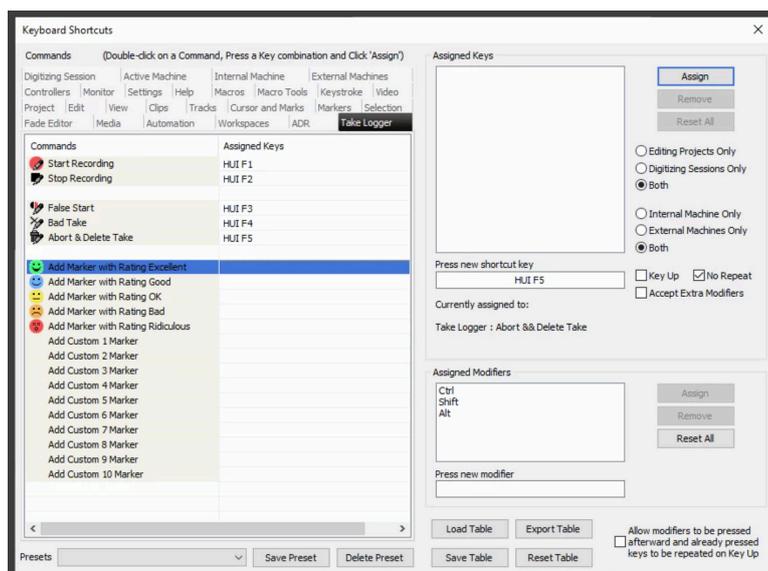


REC ARM

### Soft Key Page 10



HUI F1 to F8 can be assigned via the keyboard shortcuts window of Pyramix.



*Duplicate (not usable): Alt, Group, Marker, Nudge, Track, Send*

## Assignable DAW Commands List - Pyramix

The following DAW commands are available in SSL 360° to assign to any of the user-assignable keys. When the label has a Slash "/", the secondary function is accessible via the **FINE/SHIFT** key (the MCU Cmd/Alt modifier).

Aux Group	Cancel
Aux Bus	Enter
Mix Group	Paste
Mix Bus	Select Clip
EQ	Copy / Cut
DYN	Rec/Rdy
Mic/Pre	
Add Marker	
Solo	
Media Manager	
Fade Editor	
Mixer	
Mix Down/Render	
Panner	
Forward	
Rewind	
Stop	
Play	
Record	
Loop	
HUI F1	
HUI F2	
HUI F3	
HUI F4	
HUI F5	
HUI F6	
HUI F7	
HUI F8	
Cur to Mark in	
Cur to Mark out	
Mark in to Cur	
Mark out to Cur	
Cur to Start	
Cur to End	
Cur to Next Mark	
Cur to Prev	
Mark	
Alt	
Off	
Read	
Write	
Touch	
Latch	
Trim	
Undo / Redo	

# UF1 & 360°-Enabled Plug-ins

The 360°-enabled plug-ins listed below can be controlled directly from UF1, via the 360° Plug-in Mixer. The purpose of this section of the user guide is to detail how the control aspect works from UF1. If you want a more detailed explanation of the features of each 360°-enabled plug-in, refer to the individual plug-in user guides on the SSL Support website.

*In DAWs that support the VST3 format, always use VST3s for your 360°-enabled plug-ins instead of AU. Do not mix and match VST3s and AUs in your session - this is not supported by 360° and can cause performance issues.*

## SSL Meter

SSL Meter is an essential set of metering tools meticulously designed to tackle audio challenges, ensure consistency, and deliver impactful mixes. Featuring measurements of peak & RMS levels, phase coherence, stereo balance, and frequency content, SSL Meter equips you with measurements for crafting top-notch mixes efficiently and effectively.

Connect to and switch between up to 8 SSL Meter plug-in instances on UF1/in the 360° Plug-in Mixer.



## Channel Strip 2

Channel Strip 2 is a fully-featured channel strip, based on digital modelling of the EQ and Dynamics curves from the legendary XL 9000 K SuperAnalogue console. Clean, linear tone shaping for maximum flexibility. Switch between classic E and G-Series EQ curves.

Connect to as many instances of Channel Strip 2 as you like on UF1/in the 360° Plug-in Mixer.



## 4K B

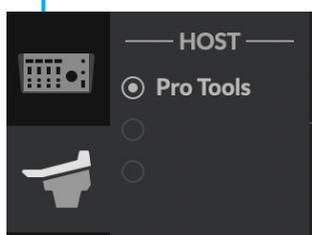
The 4K B is a detailed model of the legendary SL 4000 B channel strip. The SL 4000 B was the first ever commercially released SSL console and responsible for the sound of many classic records that came out of London's famous Townhouse Studio 2, 'The Stone Room'.

Connect to as many instances of 4K B as you like on UF1/in the 360° Plug-in Mixer.



# Plug-in Mixer Overview

The SSL 360° Plug-in Mixer is a place to view and control 360°-enabled plug-ins. For a more detailed breakdown of every aspect, please refer to the UC1 User Guide. For now, we will highlight the key aspects relating to the SSL Meter plug-in.



## Host

The Plug-in Mixer can connect up to 3 different DAW Hosts. Switch between them here, or from UF1. Hosts come online as soon as you insert a 360°-enabled plug-in into the DAW session.

## Centre Section - Meter Plug-ins

The collapsible Centre Section area of the Plug-in Mixer is where up to 8 SSL Meter plug-ins are displayed. The interface mirrors the UF1 physical control.

Use the left and right arrows either side of **ANALOGUE** to switch between Overview, Analogue and RTA views for the selected plug-in instance.

Use the 8 buttons at the bottom to select the desired plug-in instance.



# Plug-in Mixer - Tutorial

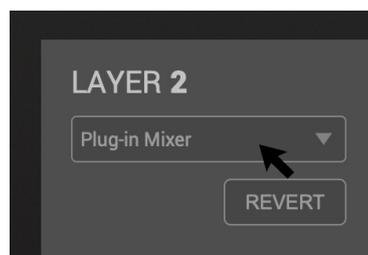
The following tutorial guides you through configuring and using the Plug-in Mixer profile on UF1.

## SSL 360° Setup

1. Open the SSL 360° application on your computer. Go to the **HOME** page and check that your UF1 has been detected by SSL 360°.
2. Go to the **UF1** page and set a Layer to **Plug-in Mixer** using the drop-down list.

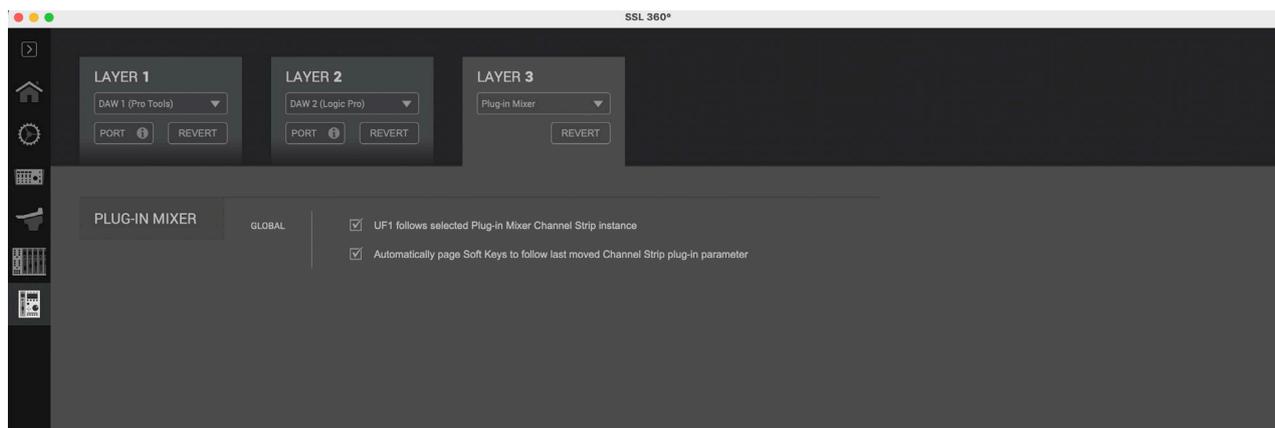


*STEP 1 : Open SSL 360° application.  
Check your UF1 has been detected.*



*STEP 2 : Select the Plug-in Mixer  
profile from the UF1 page.*

## Plug-in Mixer Setup

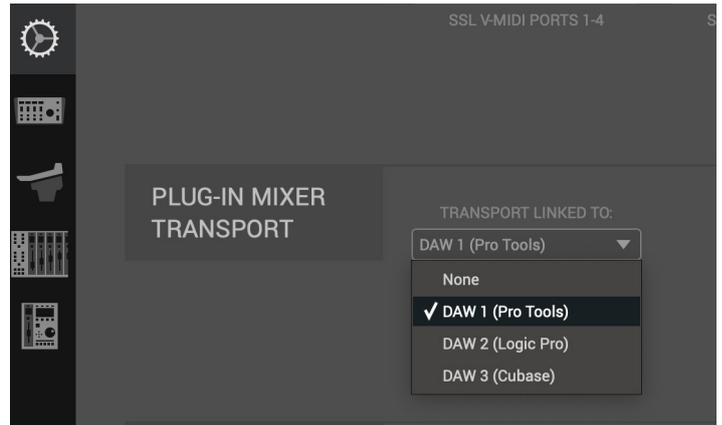


**UF1 follows selected Plug-in Mixer Channel Strip instance** - With this setting enabled, UF1 will always follow the selected 360°-enabled channel strip instance, which effectively means UF1 and UC1's selected channels are linked together. Disabling this setting, is the same as engaging the **MASTER** key on UF1 which means that UF1 can control a different 360°-enabled channel strip to the one that UC1 is controlling.

**Automatically page Soft Keys to follow last moved Channel Strip plug-in parameter** - With this setting enabled, UF1 will automatically page its large display and V-Pots to the page of the last adjusted channel strip parameter - e.g. in response the parameter being changed in the plug-in itself, the 360° Plug-in Mixer, or UF8/UC1. With this disabled, UF1's soft key page and V-Pots assignment must be changed manually using the Page left and right keys beneath V-Pots 3 and 4. It is recommended to leave this setting disabled if using UF1 and UC1 together, with the intention that you would leave UF1 set to Soft Key Page 1 of 8, as it hosts all the channel strip parameters that are in UC1's Extended Functions menu, therefore giving you easy access to all the parameters across UF1 and UC1.

## Plug-in Mixer Transport Setup

In order for the Transport functionality and the timecode readout to work on UF1, you must ensure that the Plug-in Mixer Layer is correctly linked to one of your configured DAWs. Go to the **CONTROL SETUP** page in SSL 360° and choose your desired DAW from the drop-down list in the **Plug-in Mixer Transport** section.



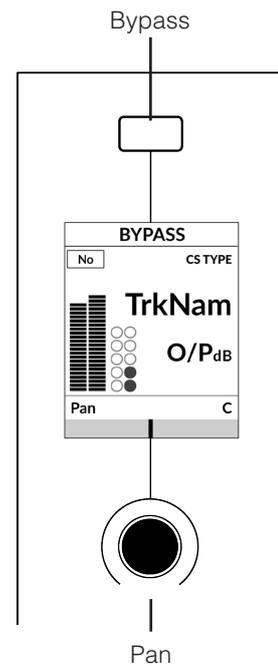
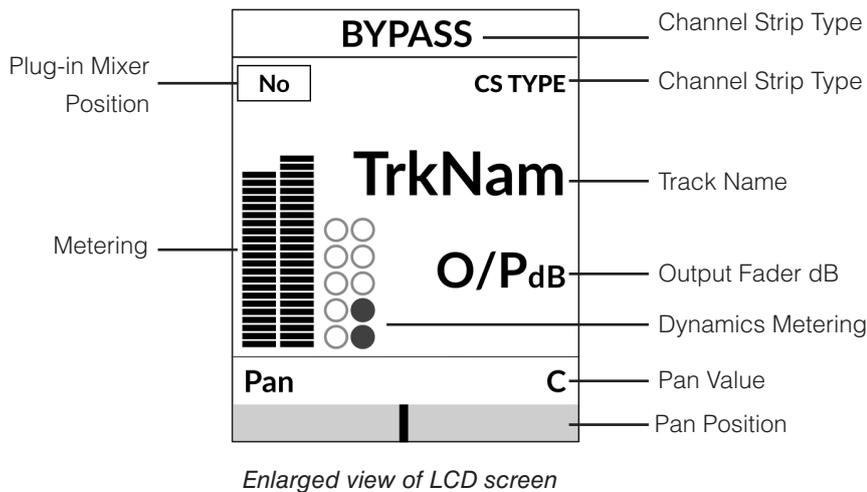
## Tutorial

This section guides you through using UF1 with the SSL 360° Plug-in Mixer.

### Before You Start...

Setting a Layer of UF1 to control the Plug-in Mixer allows you to extend the power of your UC1 controller. But don't worry if you don't have a UC1 controller - you can still use UF1 on its own to control all the parameters of your 360°-enabled channel strips and SSL Meter plug-ins.

### Small LCD Layout



**Bypass** - Indicates if the channel strip is bypassed. You can toggle the bypass state from the soft key directly above.

**Plug-in Mixer Position** - Displays the position of the channel strip plug-in in the Plug-in Mixer.

**Channel Strip Type** - Displays the type of 360°-enabled channel strip - e.g. CS 2, 4K B.

**TrkNam** - Displays the DAW track name that the plug-in is inserted on in the DAW.

**O/PdB** - Displays the channel strip Output Fader value.

**Metering** - Displays the metering of the plug-in.

**Dynamics Metering** - Displays the gate and compressor gain reduction activity from the plug-in.

**Pan Value** - Displays the value of the pan control on that instance of channel strip.

**V-Pot Readout Bar** - Displays the position of the Pan. You can adjust the Pan position from the V-Pot encoder directly below the small LCD. Push the V-Pot to reset the Pan to centre.

## 100 mm Motorised Fader

Controls the channel strip's **OUTPUT FADER**.

### Solo & Cut

Each strip contains **SOLO**, **CUT** and **SEL** keys.

**SOLO** and **CUT** keys control Solo and Cut buttons in the channel strip plug-in. In some DAWs, the **SOLO** and **CUT** buttons directly control the DAW's Solo and Mute buttons. In others, the soloing system is independent.

SOLO AND CUT linked to DAW (Must use VST3 format)	SOLO AND CUT independent of DAW
Cubase/Nuendo	Pro Tools
Live	
Studio One	Logic Pro
REAPER	

For DAWs whereby the **SOLO** and **CUT** integration is independent (not linked to the DAW), this is how it works:

**SOLO** - Cuts the output of all other channel strip plug-ins in the session.

**CUT** - Cuts the output of the channel strip plug-in.

### SEL

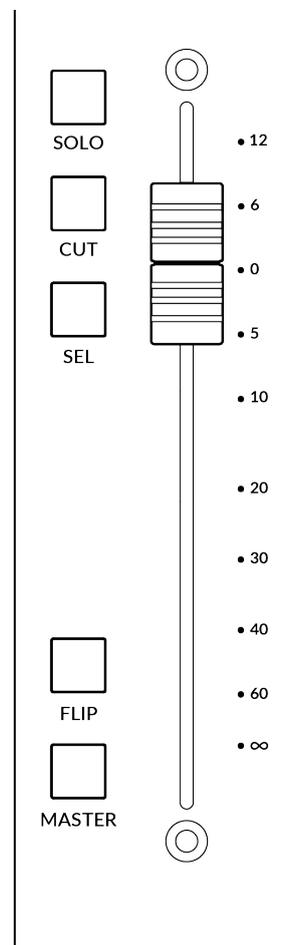
If **MASTER** is disabled, the **SEL** key has no function and is always active because UF1 is following the selected channel strip on UC1/the 360° Plug-in Mixer. If the **MASTER** key is enabled and UF1 is controlling a different channel strip instance, pressing the **SEL** key is a fast way of forcing UC1 to go to the UF1 selected channel.

### Flip

The Flip key has no function in the Plug-In Mixer layer and is therefore disabled.

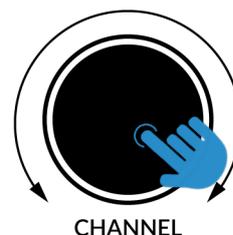
### Master

The Master Key in the Plug-In Mixer decouples the fader from the UC1 selected channel, allowing UF1 to control an entirely different channel strip, selectable with the **Channel Encoder**.



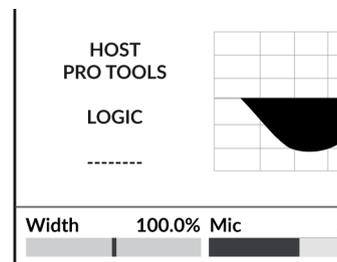
## Channel Encoder - Channel Banking

By default, the **CHANNEL** encoder is used to move your channel strips across the UF1 surface, banking in increments of 1 channel at a time.



## Channel Encoder - DAW Host Select

The Plug-in Mixer can connect up to 3 different DAWs (Hosts). You can switch between them by pressing on the **CHANNEL** encoder. A sub menu appears when in Channel Strip Mode underneath the **HOST** text on-screen. You can use the **CHANNEL** encoder to scroll to a different HOST and press to confirm the selection.



## CENTRE KEYS

### MODE (Button 1)

The **MODE** key determines the operation of the large screen and its 4 Soft Keys and V-Pots. Pressing the **MODE** key toggle you through the different options. Each mode is colour coded:

### Channel Strip Mode (backlit)

This mode allows you to control your 360°-enabled channel strips and view each strip's EQ curve.

### Meter Mode (yellow)

This mode allows you to control your SSL Meter plug-ins.

### 5-8 Key (Button 2)

No functionality.

### Page Keys (3)

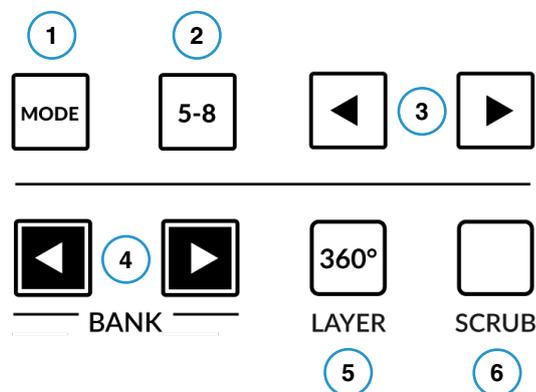
Allows you to move through various pages of 360°-enabled channel strip or Meter plug-ins parameters.

### Bank Keys (Button 4)

The bank keys allow you to move channel strips across your UF1 control surface in multiples of 8 at a time.

### 360° / LAYER selection Key (Button 5)

A short press of the 360° button opens and closes the SSL 360° application, allowing access to edit settings & assignable keys on the UF1 & all other SSL 360° powered devices. A long press and hold of the 360° button, in conjunction with a press of the relevant top-row soft key allows you to switch to a different Layer.



DAW 1 Pro Tools	DAW 2 Logic	Plug-in Mixer
--------------------	----------------	------------------

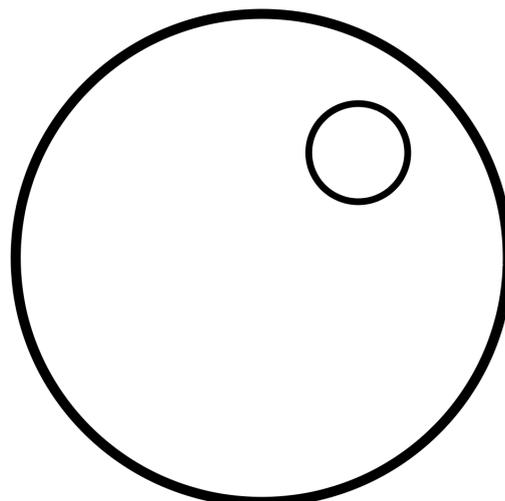
*Press and hold the 360° button and whilst keeping it held down, you can switch to a different Layer by pressing the relevant top-row soft key.*

### SCRUB Key (Button 6)

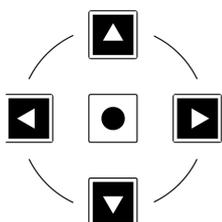
The **SCRUB** key puts the jog wheel into scrub mode (if the DAW supports this function). Scrolling through the DAW timeline with the playhead playing back audio at the speed of the Jog Wheel rotation.

### Jog Wheel (7)

The jog wheel is used to scroll through the session timeline. By simply moving the Jog Wheel, the playhead will move through the timeline forward by moving the Jog wheel clockwise & backwards in an anticlockwise movement.



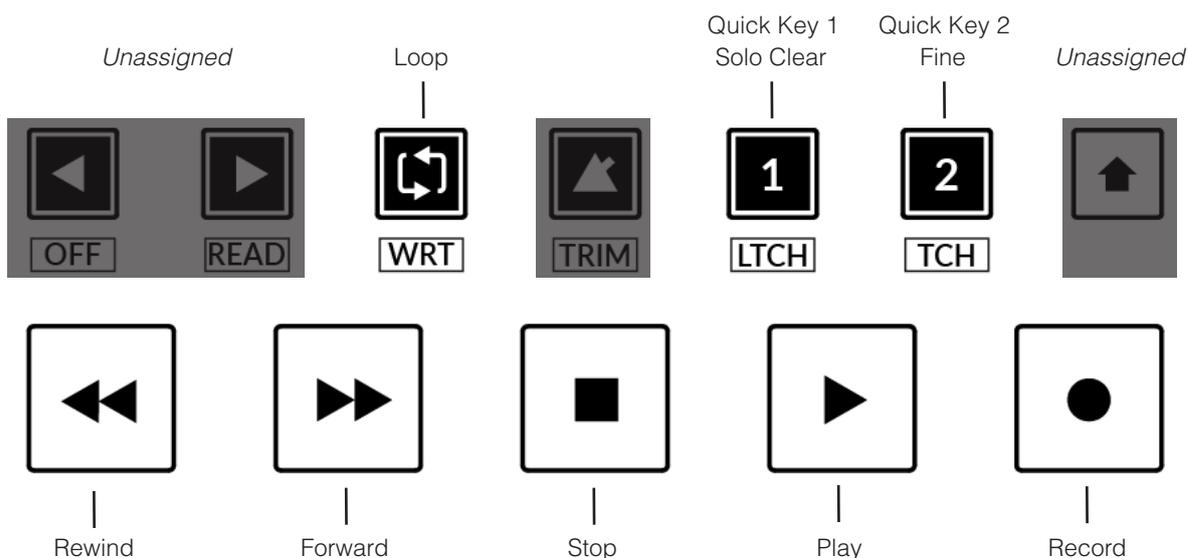
### Cursor Keys



The Cursor Keys move up, down, left and right across the channel strips on-screen in the SSL 360° Plug-in Mixer.

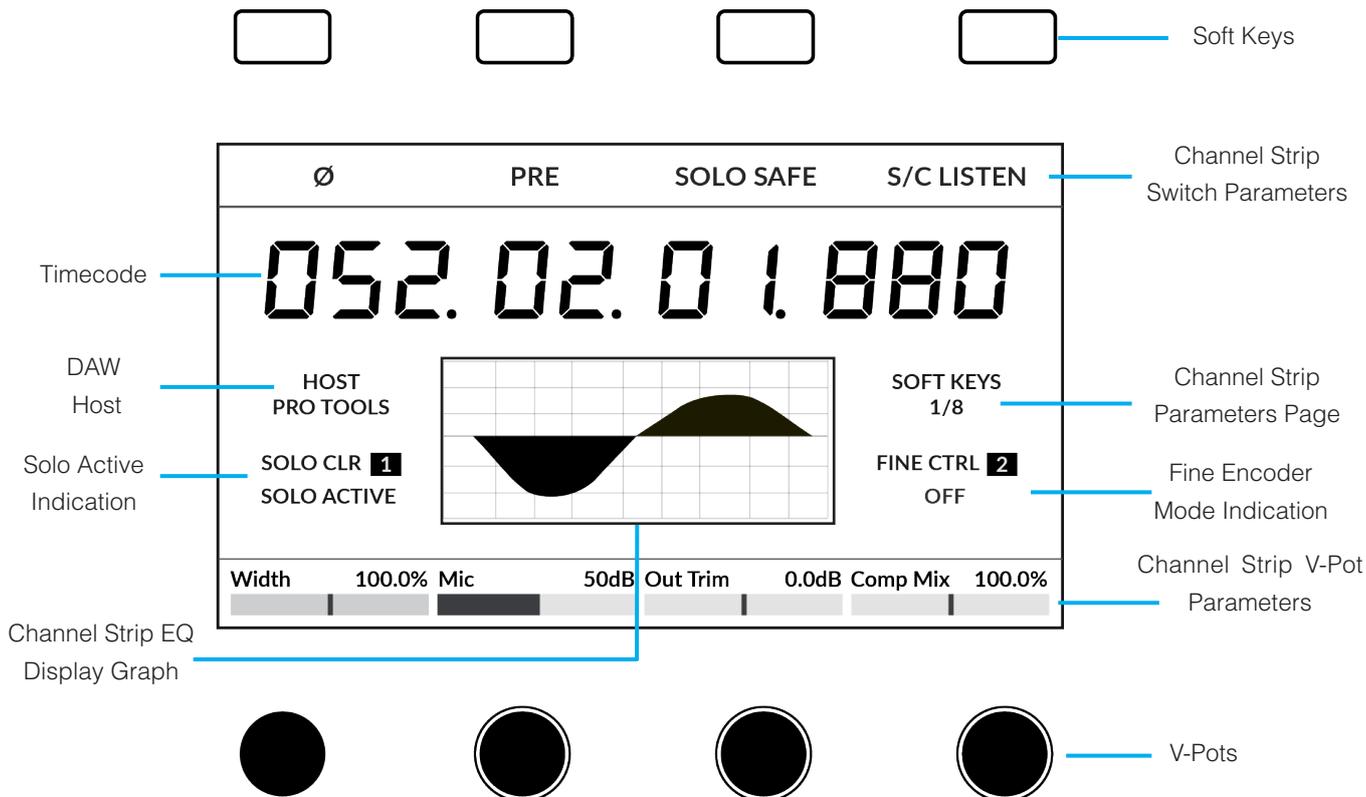
### Transport Controls

The primary transport keys allow convenient access to the main transport commands within the DAW. From left to right: Rewind, Forward, Stop, Play & Record. The Secondary Transport keys above include Loop on/off, Quick Key 1 clears any active solos (only applicable when the solo and cut parameters are **not** linked to the DAW) and Quick Key 2 toggles the V-Pot encoders between normal and fine resolution modes.



## Large LCD Layout - Channel Strip Mode

This mode is for controlling your 360°-enabled channel strips. Access this mode by toggling the **MODE** key to the default state.



**Soft Keys** - Controls the channel strip switch parameters displayed directly below.

**Timecode** - Displays DAW timecode via HUI/MCU, provided you have configured this.

**DAW Host Layer** - Indicates the current **DAW** the Plug-In Mixer is hosting. The Plug-in Mixer can connect up to 3 different DAWs (Hosts). You can switch between them by pressing on the **CHANNEL** encoder and scrolling to a different one and pressing to confirm.

**Solo Active** - Indicates if there are any active solo'd channels in the session. Quick Key **1** will clear any active solos. This is only applicable when the solo and cut parameters are **not** linked to the DAW.

**Channel Strip EQ Display Graph** - Provides a graphic illustration of the channel strip's EQ curves/shape.

**Channel Strip Parameters Page** - Indicates the current channel strip parameters page for the Soft Keys and V-Pots. Use the left and right page arrow keys beneath V-Pots 3 and 4 to change page and find the parameters you want.

**Fine Encoder Mode Indication** - Informs you of whether the encoders are in **FINE** resolution mode or not. Quick Key **2** allows you to toggle this on/off.

**Channel Strip V-Pot Parameters** - Displays the names and values of the channel strip parameters on the current page. Use the 4 V-Pots to adjust the parameters.

## SSL Chanel Strip Soft Key & V-Pot Assignments

The tables below describe the mapping of 360°-enabled channel strips across the UF1 soft keys and V-Pots surrounding the large LCD.

### Channel Strip 2

Page	Soft Key 1	Soft Key 2	Soft Key 3	Soft Key 4	V-Pot 1	V-Pot 2	V-Pot 3	V-Pot 4
1	∅		SOLO SAFE	S/C LISTEN	Width		Out Trim	Comp Mix
2					In Trim		High Pass	Low Pass
3	LF BELL		E	EQ	LF Gain	LF Freq		
4			E	EQ	LMF Gain	LMF Freq	Q	
5			E	EQ	HMF Gain	HMF Freq	Q	
6	HF BELL		E	EQ	HF Gain	HF Freq		
7	FAST ATTACK	PEAK	S/C LISTEN	DYNAMICS	Ratio	Threshold	Release	
8	EXPAND	FAST ATTACK		DYNAMICS	Range	Threshold	Release	Hold

### 4K B

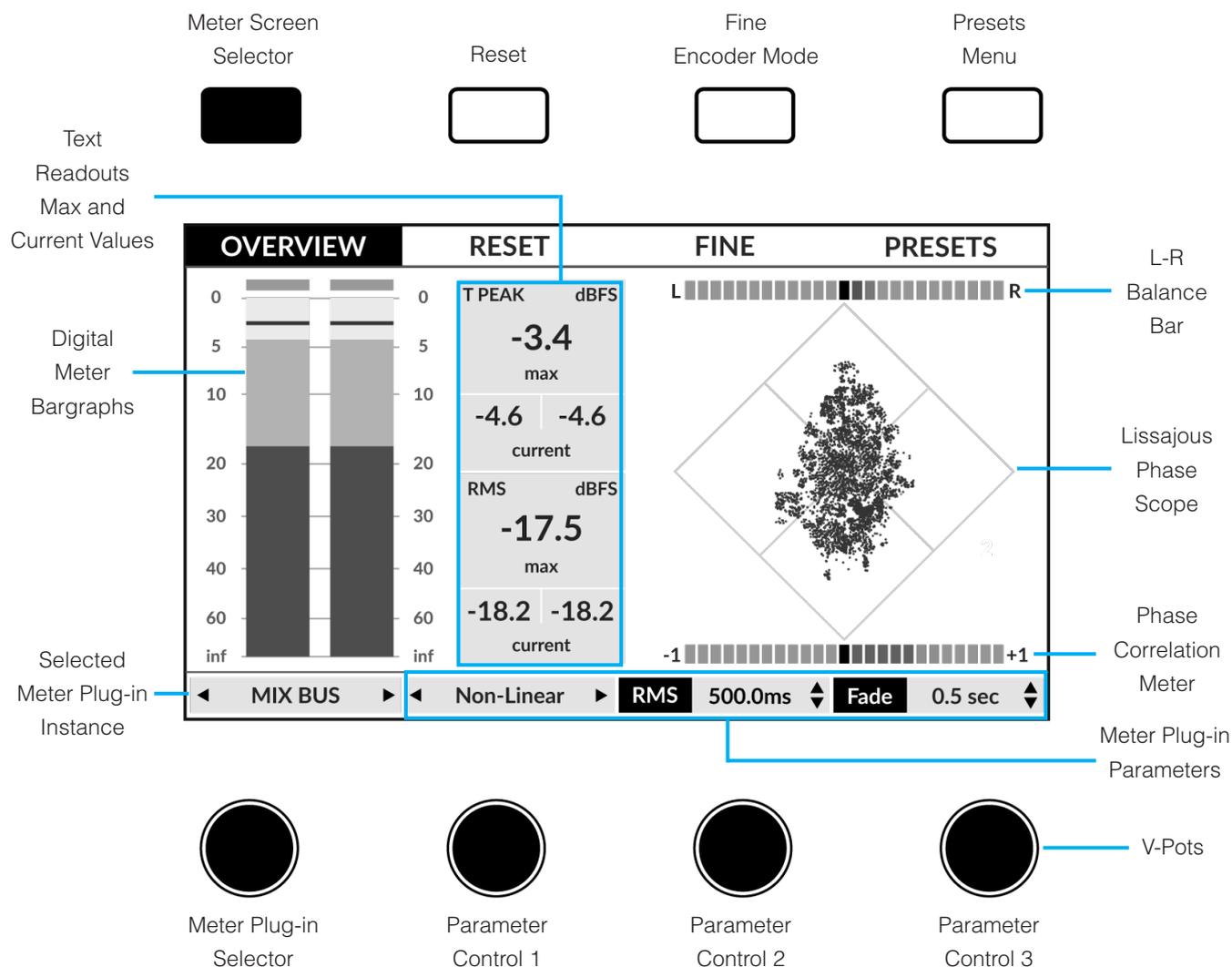
Page	Soft Key 1	Soft Key 2	Soft Key 3	Soft Key 4	V-Pot 1	V-Pot 2	V-Pot 3	V-Pot 4
1	∅	PRE	SOLO SAFE	S/C LISTEN	Width	Mic	Out Trim	Comp Mix
2					In Trim		High Pass	Low Pass
3	LF BELL			EQ	LF Gain	LF Freq		
4				EQ	LMF Gain	LMF Freq	Q	
5				EQ	HMF Gain	HMF Freq	Q	
6	HF BELL			EQ	HF Gain	HF Freq		
7			S/C LISTEN	DYNAMICS	Ratio	Threshold	Release	
8	EXPAND			DYNAMICS	Range	Threshold	Release	

## Large LCD Layout - Meter Mode

This mode is for controlling your SSL Meter plug-ins. Access this mode by toggling the **MODE** key to the yellow state.

### Overview

The Overview screen displays all your key Peak & RMS metering, phase and stereo balance information.



**Meter Screen Selector** - Press the key to toggle through the 3 different meter screens: Overview, Analogue and RTA.

**Reset** - Resets all metering, including clip indicators and max values.

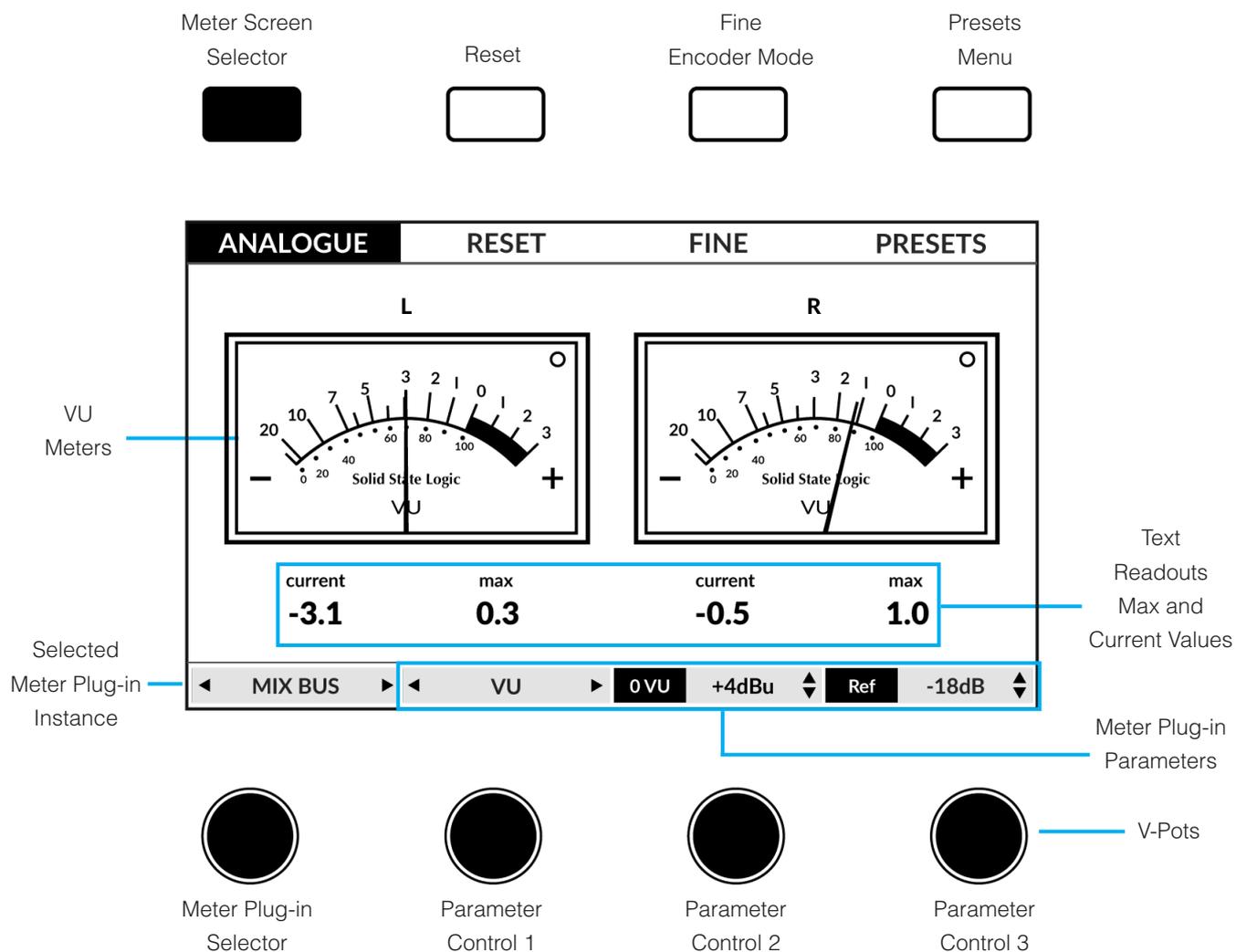
**Fine Encoder Mode** - Puts the encoders into fine resolution mode for precise adjustments.

**Presets Menu** - Opens a menu where you can load your Meter plug-in presets from by scrolling with the 4th encoder and pushing to confirm the load.

Page	Meter Plug-in Selector	Parameter Control 1	Parameter Control 2	Parameter Control 3
1	Scroll to select the Meter plug-in instance	Digital Meter Type	RMS Integration Time	Lissajous Fade Time
2		Peak Hold Time	True Peak Mode On/Off	-

## Analogue

The Analogue screen is the place to view analogue moving-coil metering. Choose between VU or PPM Type II meters.



**Meter Screen Selector** - Press the key to toggle through the 3 different meter screens: Overview, Analogue and RTA.

**Reset** - Resets all metering, including clip indicators and max values.

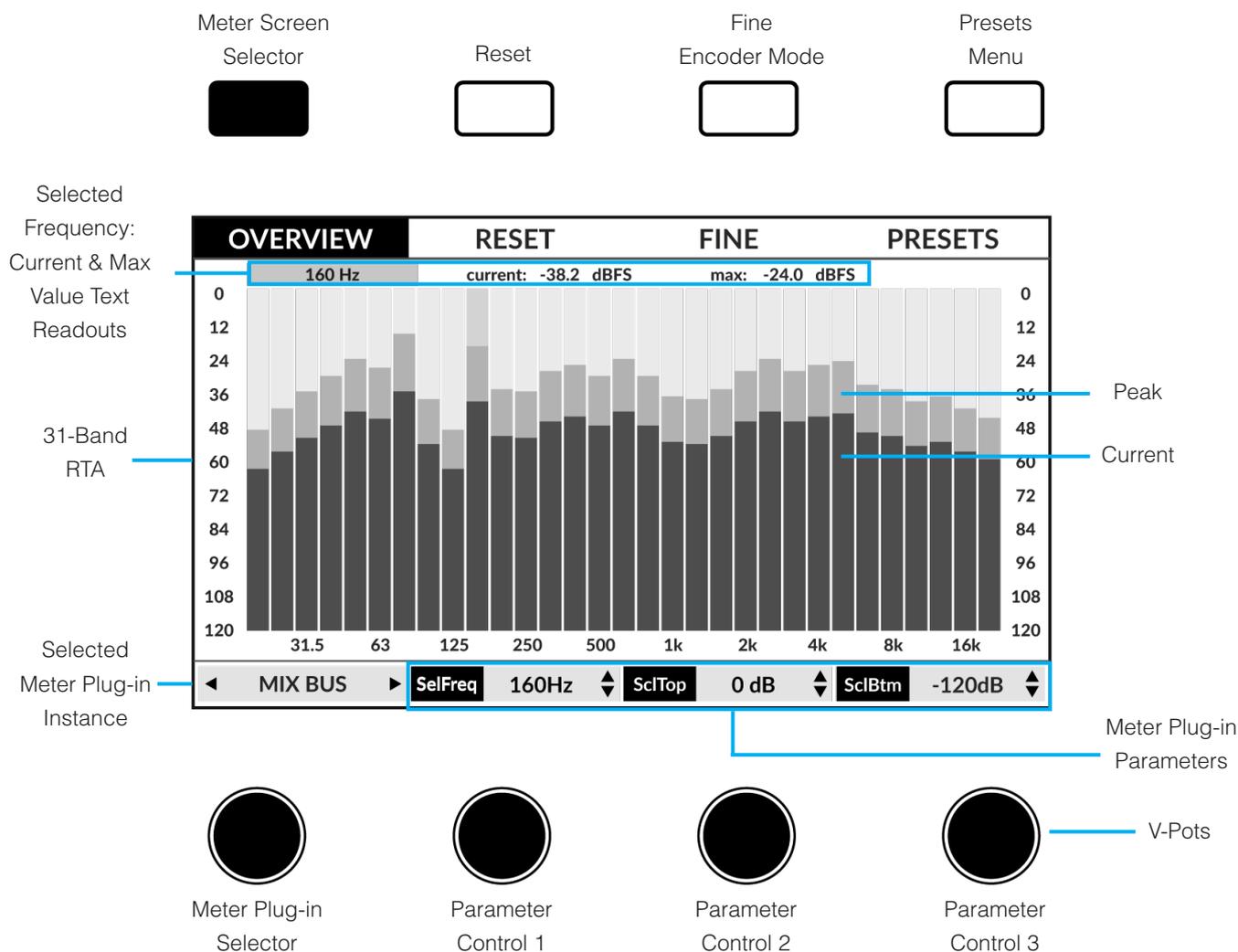
**Fine Encoder Mode** - Puts the encoders into fine resolution mode for precise adjustments.

**Presets Menu** - Opens a menu where you can load your Meter plug-in presets from by scrolling with the 4th encoder and pushing to confirm the load.

Page	Meter Plug-in Selector	Parameter Control 1	Parameter Control 2	Parameter Control 3
1	Scroll to select the Meter plug-in instance	VU / PPM	0 VU Line-Up	Reference Level
2		Max Needle Setting	Stereo / Mid-Side	Global Delay

## 31-Band Real-Time Analyser (RTA)

The RTA screen is the place to view the frequency content of your material.



**Meter Screen Selector** - Press the key to toggle through the 3 different meter screens: Overview, Analogue and RTA.

**Reset** - Resets all metering, including clip indicators and max values.

**Fine Encoder Mode** - Puts the encoders into fine resolution mode for precise adjustments.

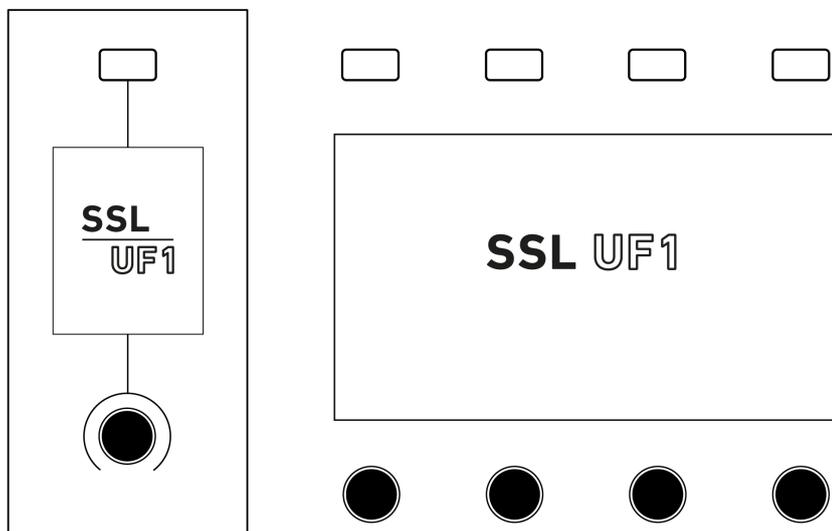
**Presets Menu** - Opens a menu where you can load your Meter plug-in presets from by scrolling with the 4th encoder and pushing to confirm the load.

Page	Meter Plug-in Selector	Parameter Control 1	Parameter Control 2	Parameter Control 3
1	Scroll to select the Meter plug-in instance	Select Frequency	Scale Top	Scale Bottom
2		Peak Hold Time	Weighting	RTA Averaging
3		Analysis Source	-	-

# UF1 LCD Messages

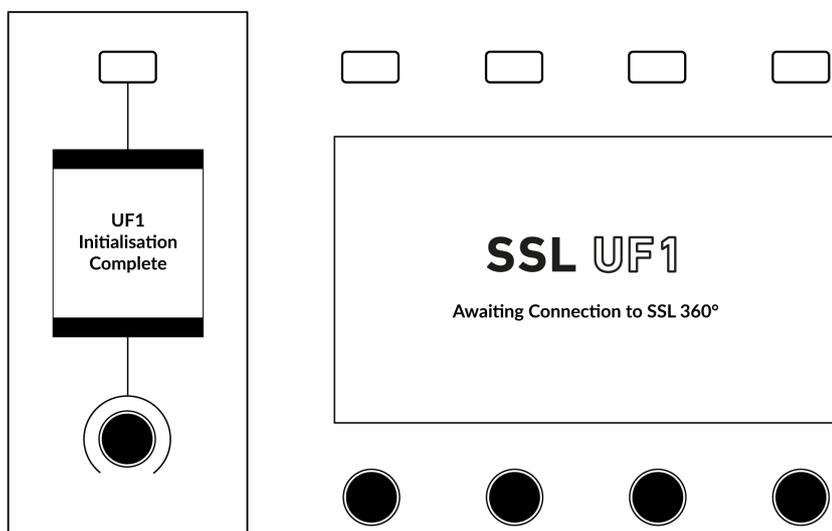
The LCDs of UF1 show certain information, depending on UF1's status.

## Booting / UF1 Identify



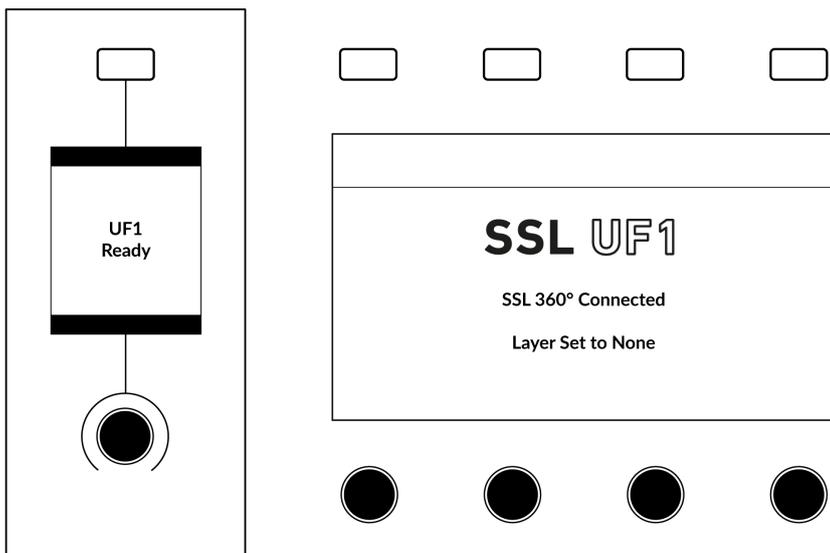
This message is displayed when you power up UF1, accompanying the 'fader wave'.

## 'Awaiting Connection to SSL 360° Software'



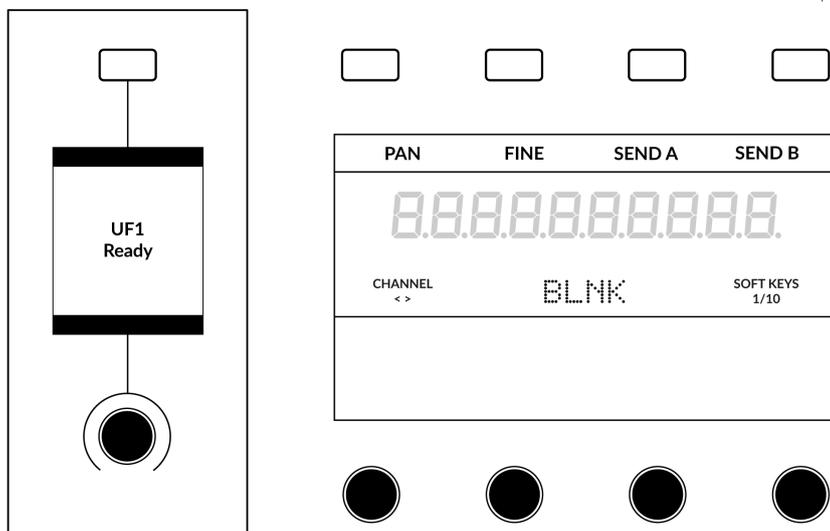
'UF1 Initialisation Complete' means that the UF1 hardware boot sequence has completed. 'Awaiting Connection to SSL 360°' means that UF1 is waiting for the SSL 360° software to start running on the computer. You may see this message appear when logging onto your computer, before the operating system has finished loading your user-profile and start-up items. You may also see this message if you are yet to plug a USB cable from your UF1 into your computer.

### 'Layer Set To None'



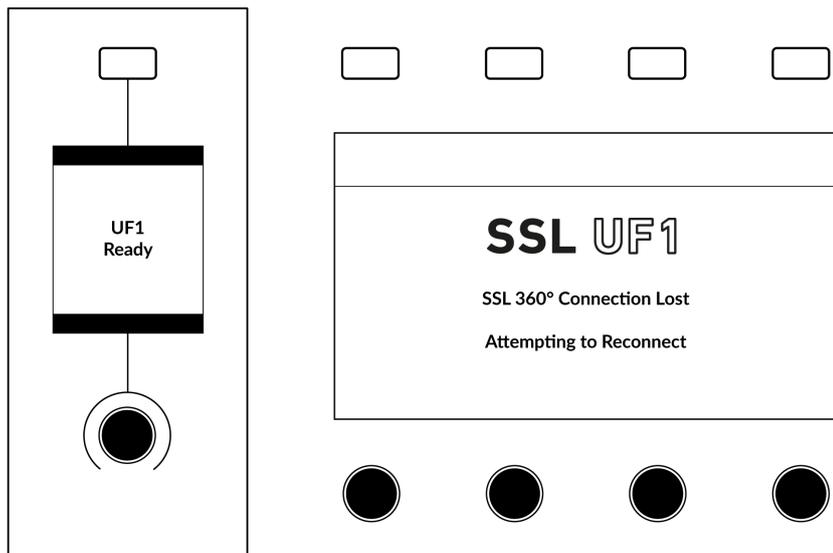
If you see this message, you have not yet chosen a DAW profile for the UF1 Layer. Head to the CONTROL SETUP page in SSL 360° and choose your DAW(s). Then go to the UF1 page and select the DAW you are using from the drop-down list.

### 'Waiting For DAW' (Pro Tools only)



If you have configured a Layer for Pro Tools but Pro Tools is closed or you have yet to configure UF1 as a MIDI controller in Pro Tools, then you will see this message.

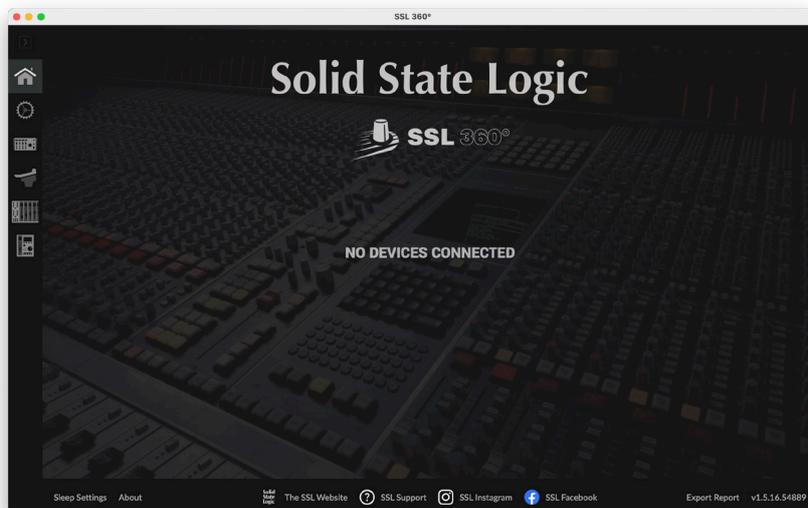
**'SSL 360° Connection Lost. Attempting to Reconnect'**



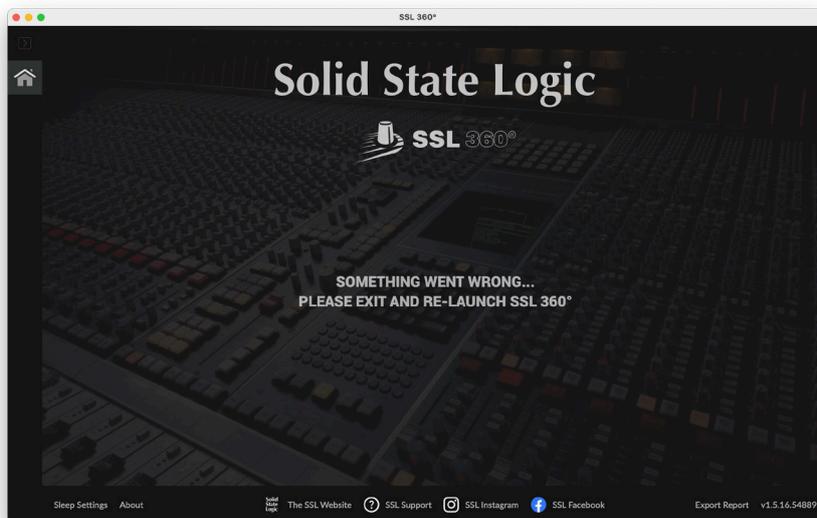
The LCD message above means that communication between SSL 360° and UF1 has been lost. If you experience this, then check that your USB cable connecting UF1 and 360° has not been removed. Re-connect if so.

# SSL 360° Software Messages

If the **HOME** page of SSL 360° is displaying the message '**NO DEVICES CONNECTED**', then be sure to check that the USB cable from your computer to the **USB** port on UF1 has not come loose.



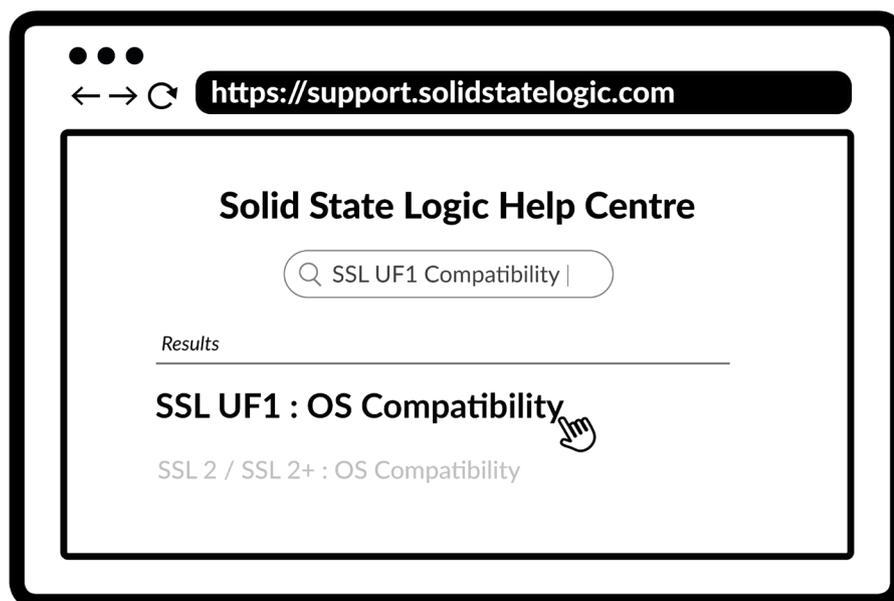
If the **HOME** page of SSL 360° is displaying the message '**SOMETHING WENT WRONG... PLEASE EXIT AND RE-LAUNCH SSL 360°**', then please quit SSL 360° and re-launch. If that does not work then restart your computer.



# SSL Support - FAQs, Ask a Question and Compatibility

Visit the Solid State Logic Help Centre to check compatibility with your system and find answers to your questions:

[support.solidstatellogic.com](https://support.solidstatellogic.com)



## Thank you

Don't forget to register your UF1 for the best possible experience.

[www.solidstatellogic.com/get-started](https://www.solidstatellogic.com/get-started)

# Safety Notices

## General Safety

- Please read and keep this document and adhere to all warnings and instructions.
- This electrical equipment should not be exposed to dust, water, or other liquids.
- Clean only with dry cloth or products compatible with electrical devices and never when the unit is powered.
- Do not operate near any heat sources, in direct sunlight or near naked flames.
- Only use attachments/accessories recommended by the manufacturer.
- When using this equipment place it on a secure level surface.
- Do not block any ventilation openings and always allow free flow of air around the unit for cooling.
- Ensure that no strain is placed on any cables connected to this apparatus. Ensure that all such cables are not placed where they can be stepped on, pulled or tripped over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Do not place heavy objects on the unit.
- Do NOT modify this unit, alterations may affect performance, safety and/or international compliance standards.
- SSL does not accept liability for damage caused by maintenance, repair or modification by unauthorised personnel.

## Power Safety

- This equipment is supplied with a 100-240VAC, 12 V AC/DC power adapter with a changeable plug – please select the plug suitable for your region.
- Only use cords and power adapters recommended by the manufacturer.
- Only connect units to single phase supplies with the neutral conductor at earth potential.
- Both the mains plug and appliance coupler can be used as the disconnect device, ensure that the mains plug is connected to an unobstructed wall outlet and is permanently operable.
- Protect the adapter and power cord from being walked on or crushed.



**CAUTION!** No user-serviceable parts inside. In the event of damage to the unit or power supply contact Solid State Logic retailer. Service or repair must be done by qualified service personnel only.

### (EN only)

#### UKCA

This product complies with the following United Kingdom Legislation:

UK Electrical Equipment (Safety) Regulations 2016 (SI 2016/1101)

UK Electromagnetic Compatibility Regulations 2016 (SI 2016/1091).

The Eco-design requirements for Energy related products (ErP) 2009/125/EC.

The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment Directive (RoHS 2) 2011/65/EU.



## EU

### This product complies with the following European Union Harmonisation Legislation:

EU Low Voltage directive (LVD) 2014/35/EU,

EU Electromagnetic Compatibility directive (EMC) 2014/30/EU.

The Eco-design requirements for Energy related products (ErP) 2009/125/EC.

The Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment Directive (RoHS2) 2011/65/EU.



This product is CE compliant. Note that any cables supplied with SSL equipment may be fitted with ferrite rings at each end. This is to comply with the current regulations and these ferrites should not be removed.

### Electromagnetic Compatibility

EN 55032:2015, Class B. EN 55035:2017.

### Electrical Safety

EN 62368-1:2014 + A11:2017.

### (EN Only)

### FCC Certification

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



### For USA – to the user

**Do not modify this unit!** This product, when installed as indicated in the instructions contained in the installation manual, meets FCC requirements.

**Important:** This product satisfies FCC regulations when high quality shielded cables are used to connect with other equipment. Failure to use high quality shielded cables or to follow the installation instructions may cause electromagnetic interference with appliances such as radios and televisions and will void your FCC authorisation to use this product in the USA.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

### Industry Canada Compliance

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.



**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). (EN, FR, ES only)

## WEEE Notice



The symbol shown here, which is on the product or on its packaging, indicates that this product must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or where you purchased the product.

## Environmental

Temperature: Operating: +1 to 40 degrees Celsius. Storage: -20 to 50 degrees Celsius.

## Further information

For additional information, install and user guides, knowledge base and technical support visit [www.solidstatelogic.com](http://www.solidstatelogic.com)

