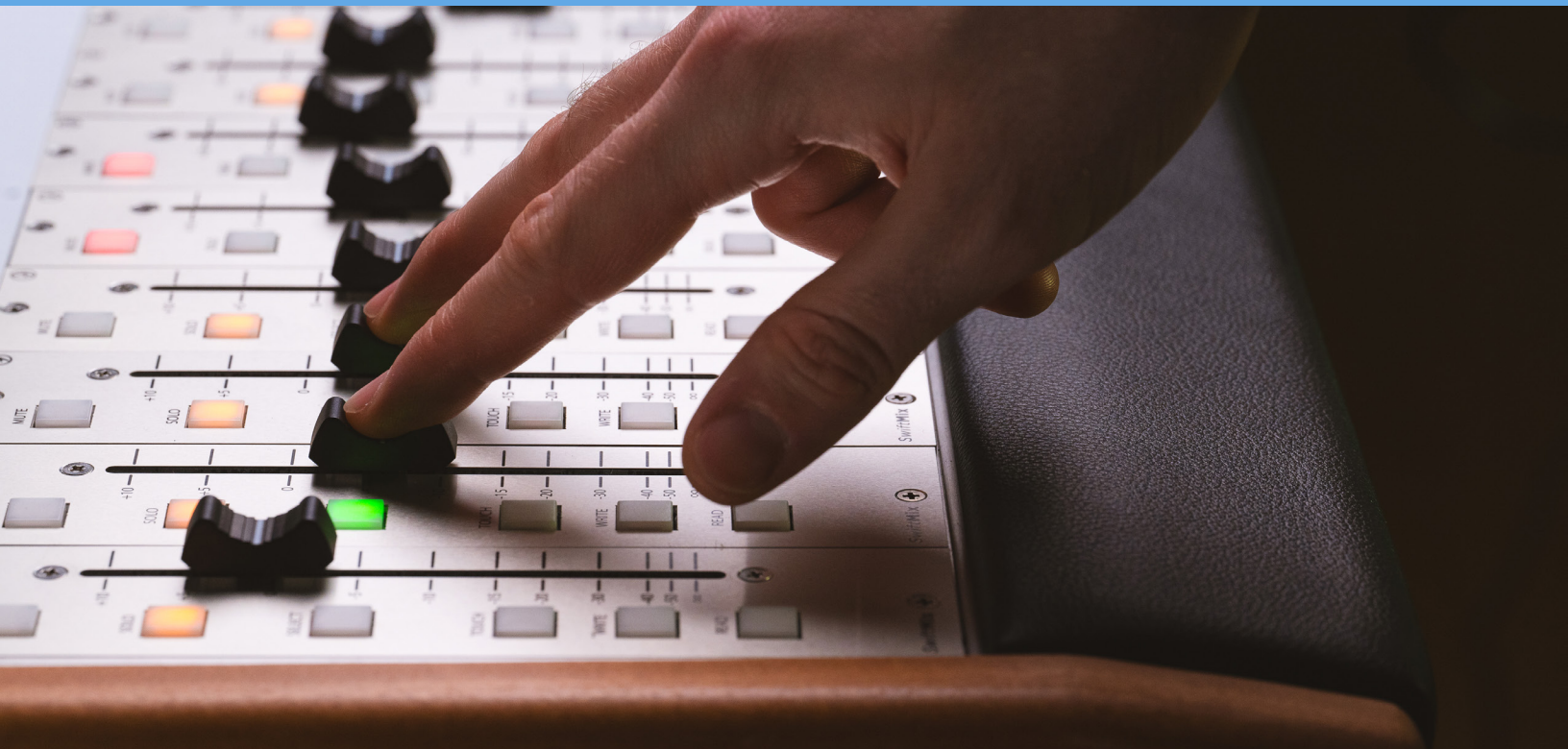


5088

SwiftMix 2.0 Automation System



Operations Manual

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases or beer glasses, shall be placed on the apparatus.
16. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
17. This apparatus has been designed with Class-I construction and must be connected to a mains socket outlet with a protective earthing connection (the third grounding prong).
18. This apparatus has been equipped with a rocker-style AC mains power switch. This switch is located on the rear panel and should remain readily accessible to the user.
19. The MAINS plug or an appliance coupler is used as the disconnect device, so the disconnect device shall remain readily operable.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



This symbol indicates that this product must not be disposed of with other waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help 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 recycling office or the dealer from whom you purchased the product.

20. NOTE: 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 the 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.

CAUTION: Changes or modifications to this device not expressly approved by Rupert Neve Designs LLC, could void the user's authority to operate the equipment under FCC rules.

21. This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

ATTENTION — *Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de class A/de class B (selon le cas) prescrites dans le règlement sur le brouillage radioélectrique édicté par les ministères des communications du Canada.*

22. Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart. According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

Duration, per day in hours	Sound Level dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Typical music via head phones
1.5	102	
1	105	Siren at 10 m distance
0.5	110	
0.25 or less	115	Loudest parts at a rock concert

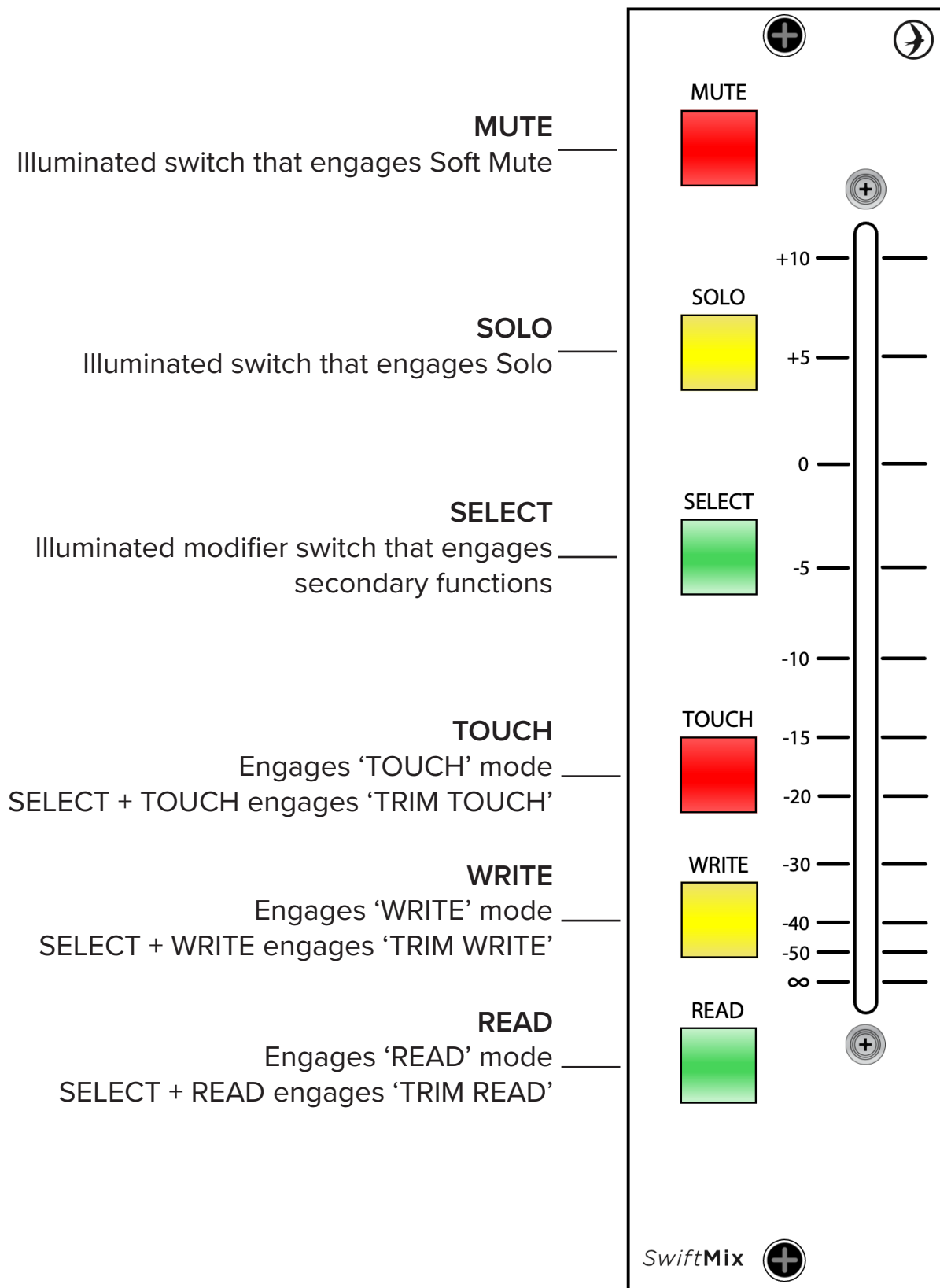
WARNING — To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Table of Contents

Fader Controls	1
Software Overview	2
System Setup	3
Pro Tools Setup	8
Injektor Controls	11
MotherShip Plug-in Controls	12
Automation Modes Overview	13
Limited Warranty Information	14

SWIFTMIX 2.0 FADER CONTROLS

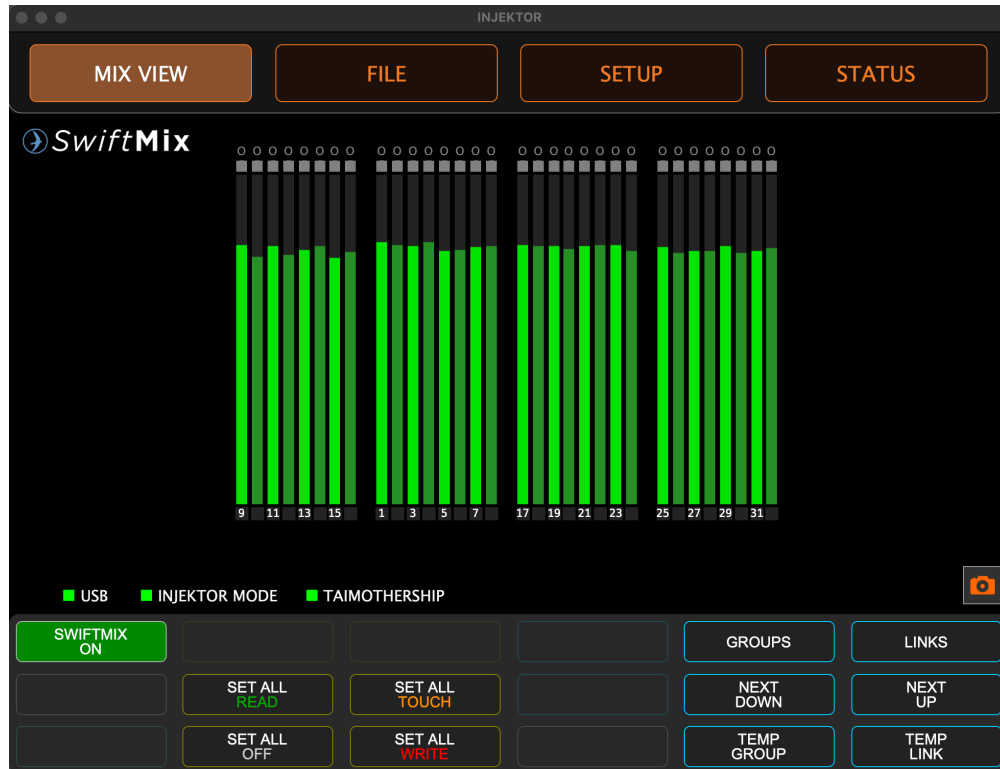
** See page 13 for full descriptions of each automation mode **



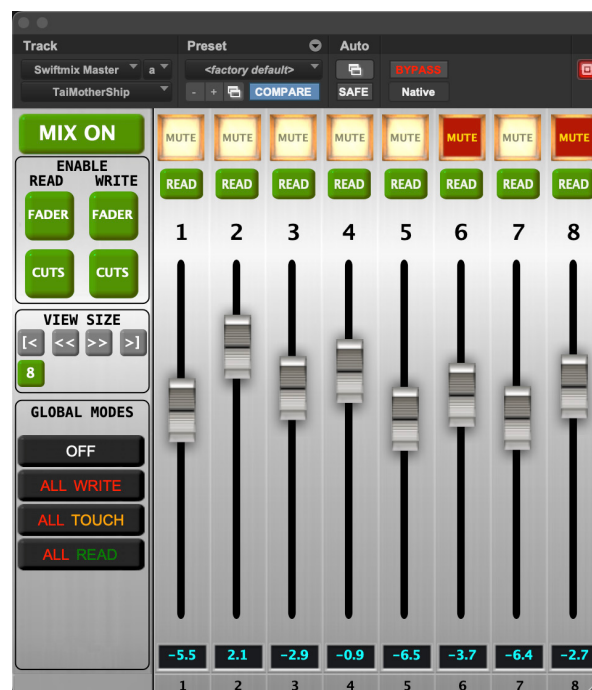
SOFTWARE OVERVIEW

INJEKTOR is a stand-alone software application that communicates with the console faders. It has 4 main tabs (MIX VIEW, FILE, SETUP, & STATUS), each accessible from the top menu bar.

PLEASE NOTE: INJEKTOR must stay open at all times for the automation system to function.



MOTHERSHIP is a plug-in that reads and writes automation directly to the DAW by communicating with INJEKTOR. It displays the status of each fader in real-time and controls automation modes either globally or one fader at a time.



SYSTEM SETUP

HARDWARE INSTALLATION

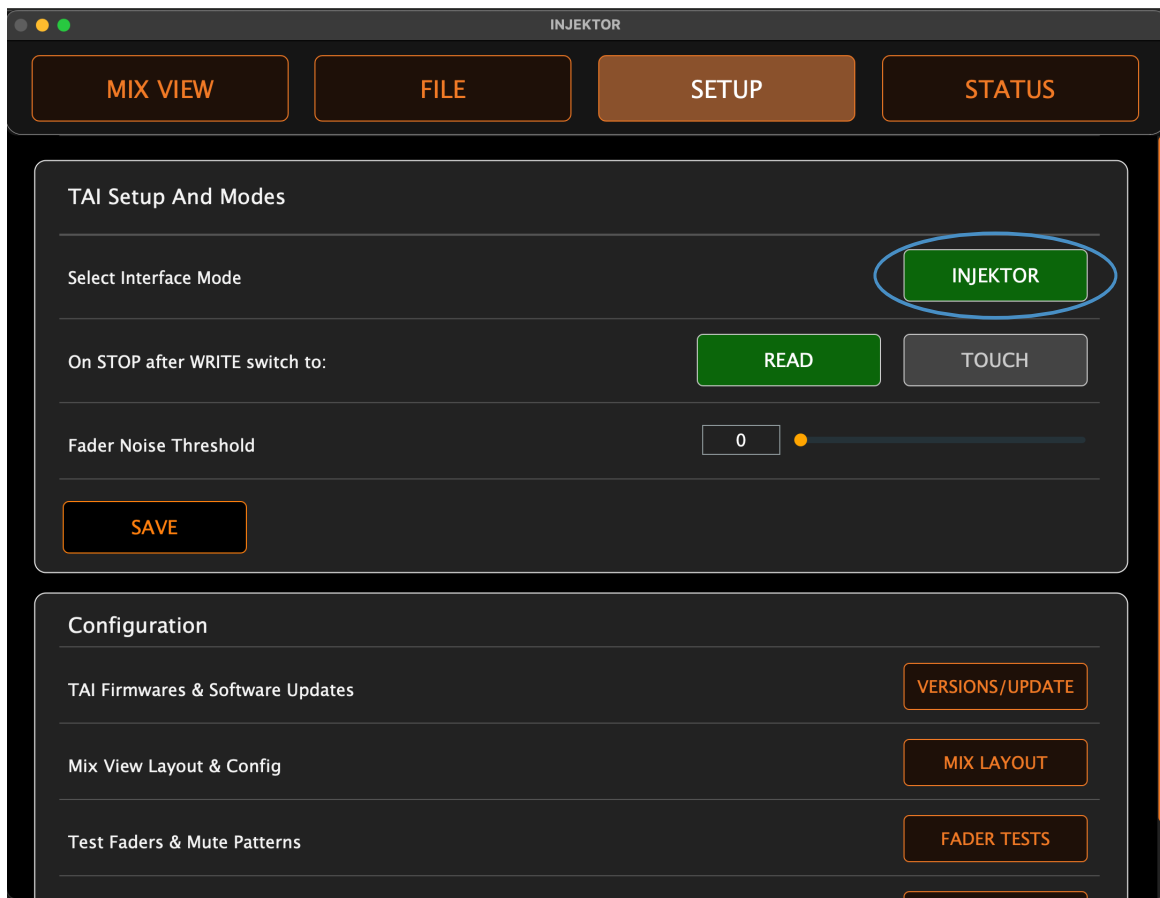
Connect the USB-B cable located behind the 5088 console to the computer running the DAW. If the computer is further than 6 feet away it is best to use a high-quality USB extender.

SOFTWARE INSTALLATION

As stated previously, both the stand-alone INJEKTOR software and the MOTHERSHIP plug-in need to be installed for the automation system to function. Please double-check that the versions being installed are compatible with the OS and DAW versions on the host computer by sending an email to: service@rupertneve.com

CONSOLE CONFIGURATION

The automation system is configured using the 'SETUP' tab in the INJEKTOR software.



INJEKTOR mode is used to control and manage console automation data. This mode supports up to 96 channels of automation without needing external synchronization. Pro Tools, Logic and Reaper are officially supported, but it should work with any DAW supporting the AAX/VST/AU plug-in formats. When the INJEKTOR application is running in the background all control data is stored and accessible within the DAW using the MotherShip plug-in.

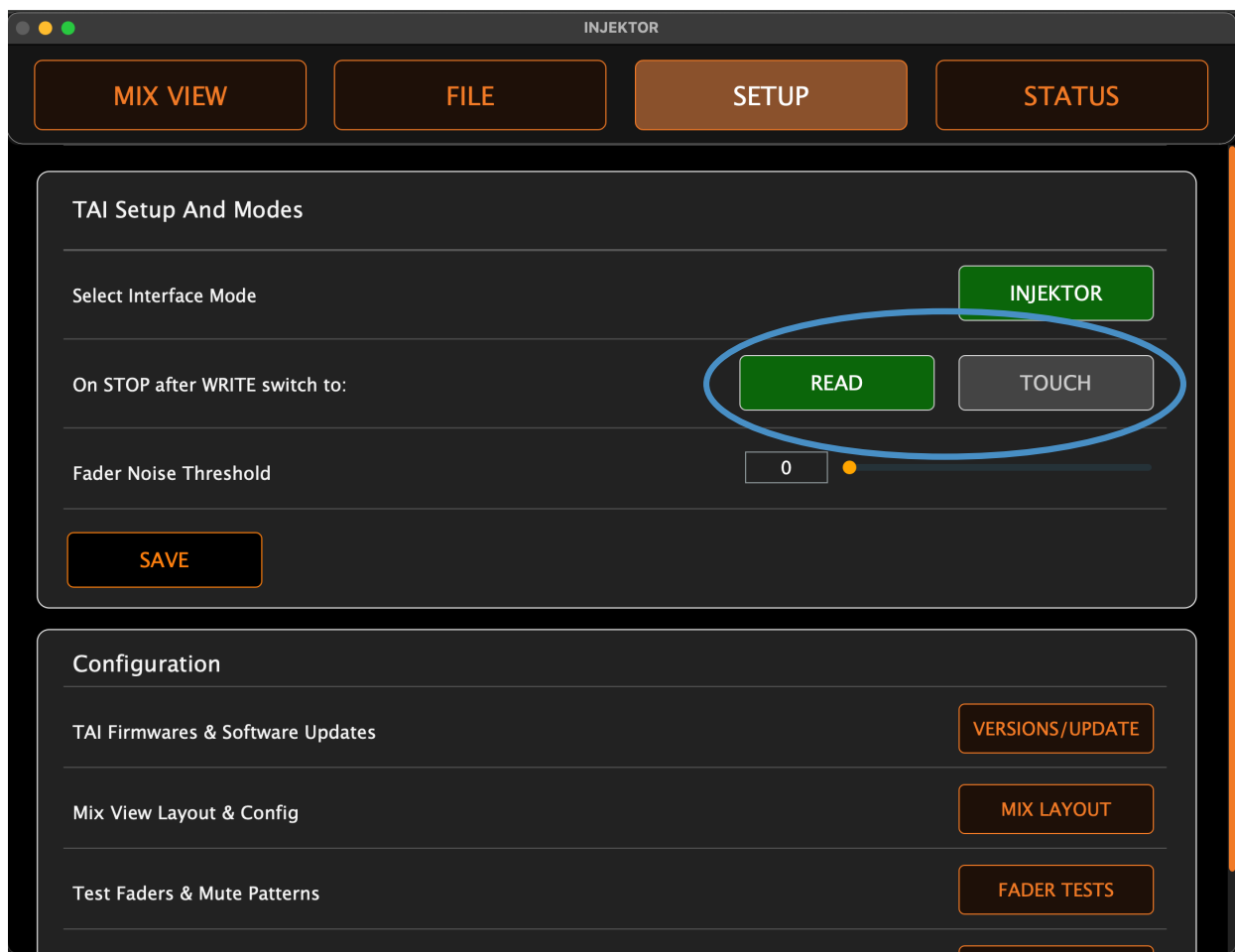
SYSTEM SETUP (CONTINUED)

ON STOP AFTER WRITE SWITCH TO:

This selects the automation mode that channels will revert to after a write automation pass is stopped.

READ (DEFAULT): All channels will will revert to 'READ' mode after a write automation pass is stopped.

TOUCH: All channels will revert to 'TOUCH' mode after a write automation pass is stopped.

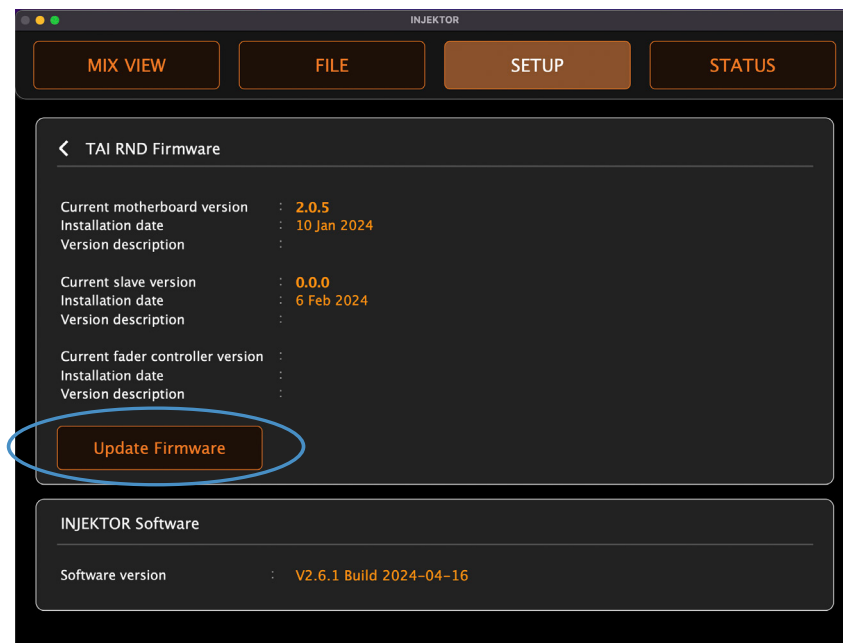
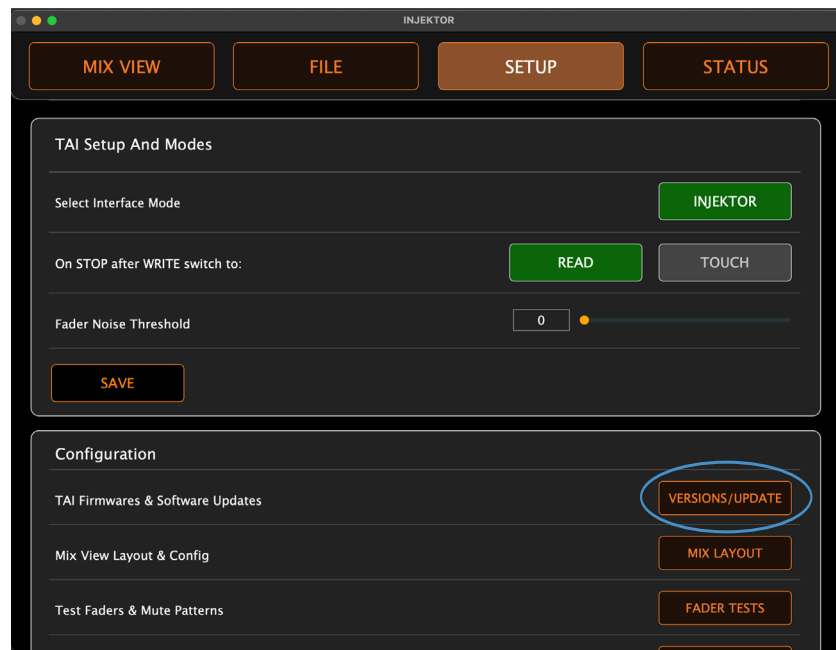


SYSTEM SETUP (CONTINUED)

FIRMWARE UPDATE

Firmware updates will be released periodically to optimize fader operation and implement new features when applicable. Firmware updates are completed using the 'SETUP' tab and corresponding 'VERSIONS/UPDATE' button in the INJEKTOR Software.

PLEASE NOTE: Please contact the Rupert Neve Designs service department before performing a firmware update to ensure system compatibility.

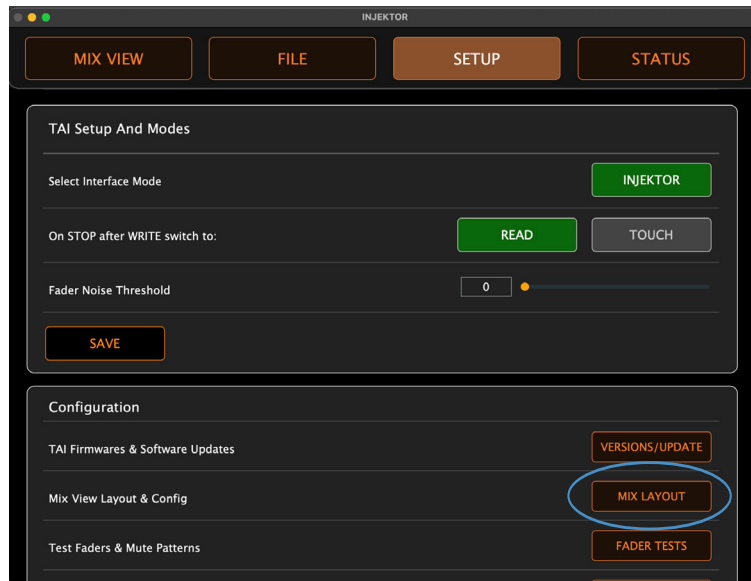


SYSTEM SETUP (CONTINUED)

‘MIX VIEW’ LAYOUT & CONFIG

The ‘MIX VIEW’ Tab in the INJEKTOR software is a graphical representation of your console’s fader hardware that can be configured to match the physical layout of the system, including any future updates.

The ‘MIX VIEW’ can be configured by selecting the ‘MIX LAYOUT’ button.



POSITION MODE

Each bank of 8 faders can be positioned according to the physical layout by selecting “Position Mode” in the “Mix Fader Editor” in the bottom left corner of the window. To move a bank, click and hold the crossed arrows and drag to the desired block.

Each fader bank view can be enlarged by clicking the “Expand” button in each fader block.

SYSTEM SETUP (CONTINUED)

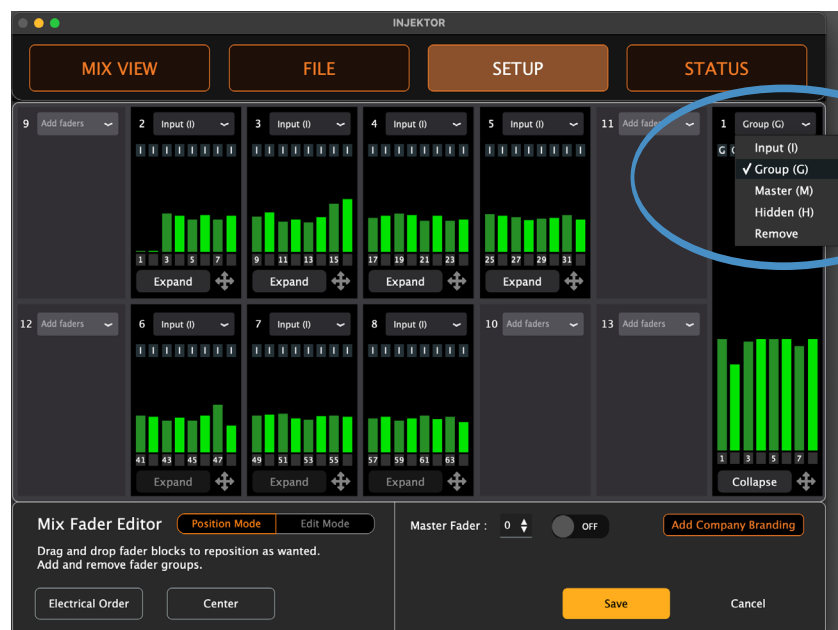
EDIT MODE

Each Fader Bank's numbering can be customized by clicking on 'Edit Mode' in the text box at the bottom left corner, and then typing the desired bank starting number underneath each fader block.



FADER BANK CATEGORY

Each Fader Bank can be categorized as either an 'input' bank, 'group' bank or 'master' bank using the pull-down menu above each fader block. This assignment can be made while in either 'Position Mode' or 'Edit Mode'.



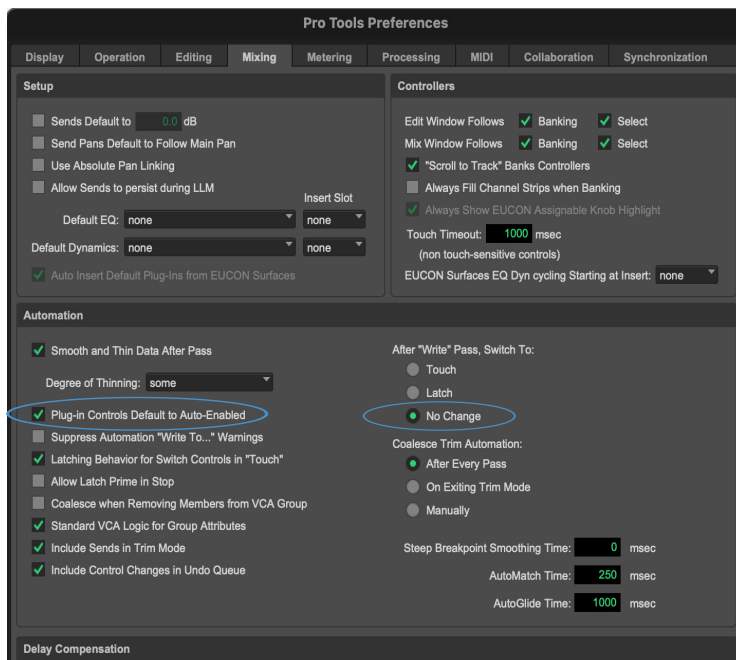
PRO TOOLS SETUP

CONFIGURING PRO TOOLS FOR 'INJEKTOR' MODE

1. Launch Pro Tools and Open the Pro Tools 'Preferences' Window

2. Navigate to the 'Mixing' tab and set the following preferences:

- Select 'Plug-in Controls Default to Auto-Enabled'
- Select 'After "Write" Pass, Switch To: 'No Change'



AUTOMATION WINDOW

3. Open the automation window, located in WINDOW > AUTOMATION

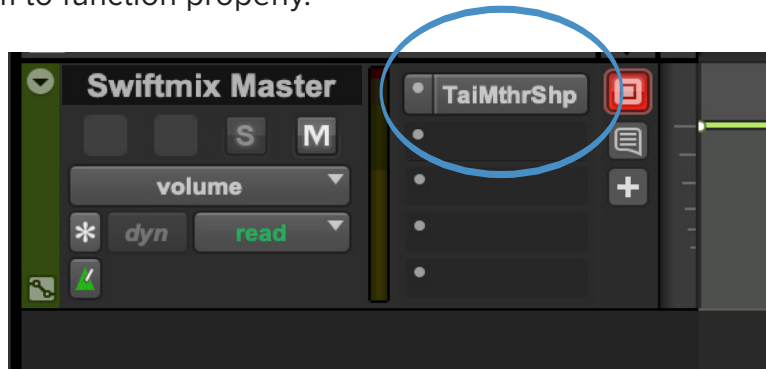
4. Under 'Write Enable', select 'PLUG IN' and also make sure all other options are not selected



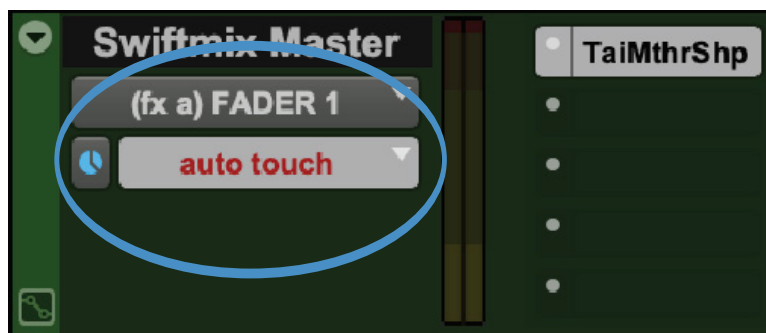
PRO TOOLS SETUP (CONTINUED)

CREATING A PRO TOOLS 'SWIFTMIX MASTER TRACK'

5. Create one **MONO** audio track in Pro Tools. This track will store automation data for all faders on the system and host the 'MOTHERSHIP' plug-in. Create a new track is located in **TRACK > NEW**
6. Locate and select the 'MOTHERSHIP' plug-in using Insert slot A. The 'MOTHERSHIP' plug-in is located in the 'other' category. Please note to always select the 'MONO' version of the MOTHERSHIP plug-in for the system to function properly.



7. Put the SWIFTMIX Master Track in 'auto touch' mode by using the automation mode pull-down menu directly below the track name in the EDIT window.



8. Pull up the 'MOTHERSHIP' plug-in and click the 'MIX ON' button to connect to the INJEKTOR software.

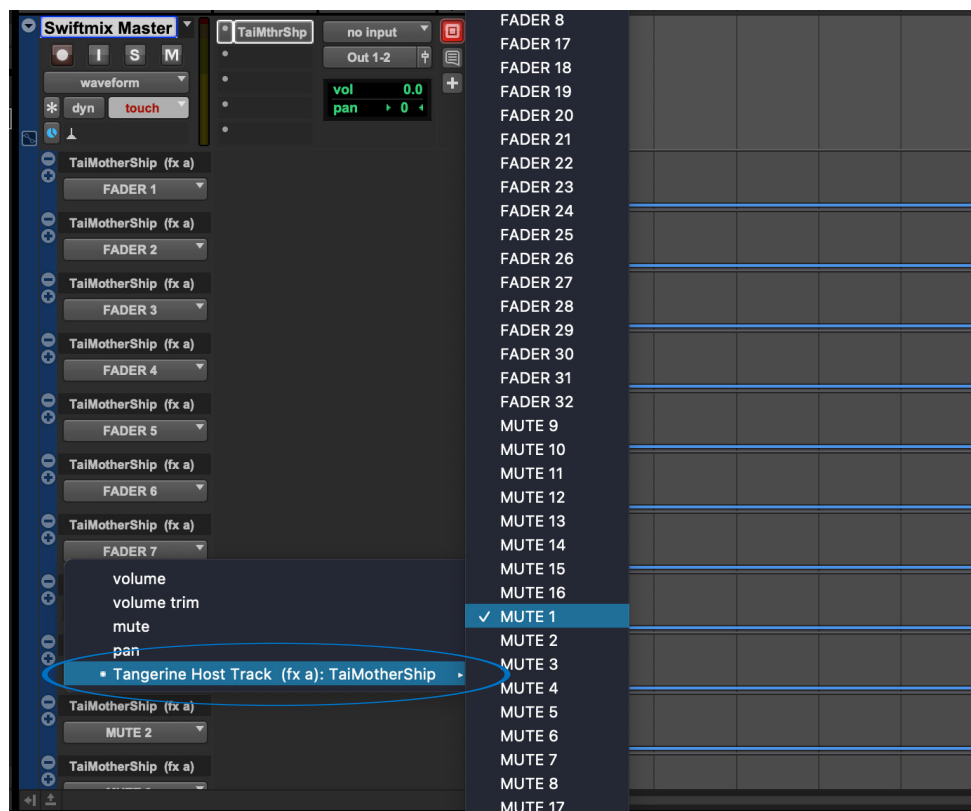


PRO TOOLS SETUP (CONTINUED)

9. Next, click on the 'Auto' button in the Pro Tools Plug-in toolbar to pull up the 'Plug-in Automation' window. Then, select one, a group, or all 'FADERS' on the system in the left column and then click 'add' to move them to the right column. This will create automation lanes for each Fader level and corresponding mute status.



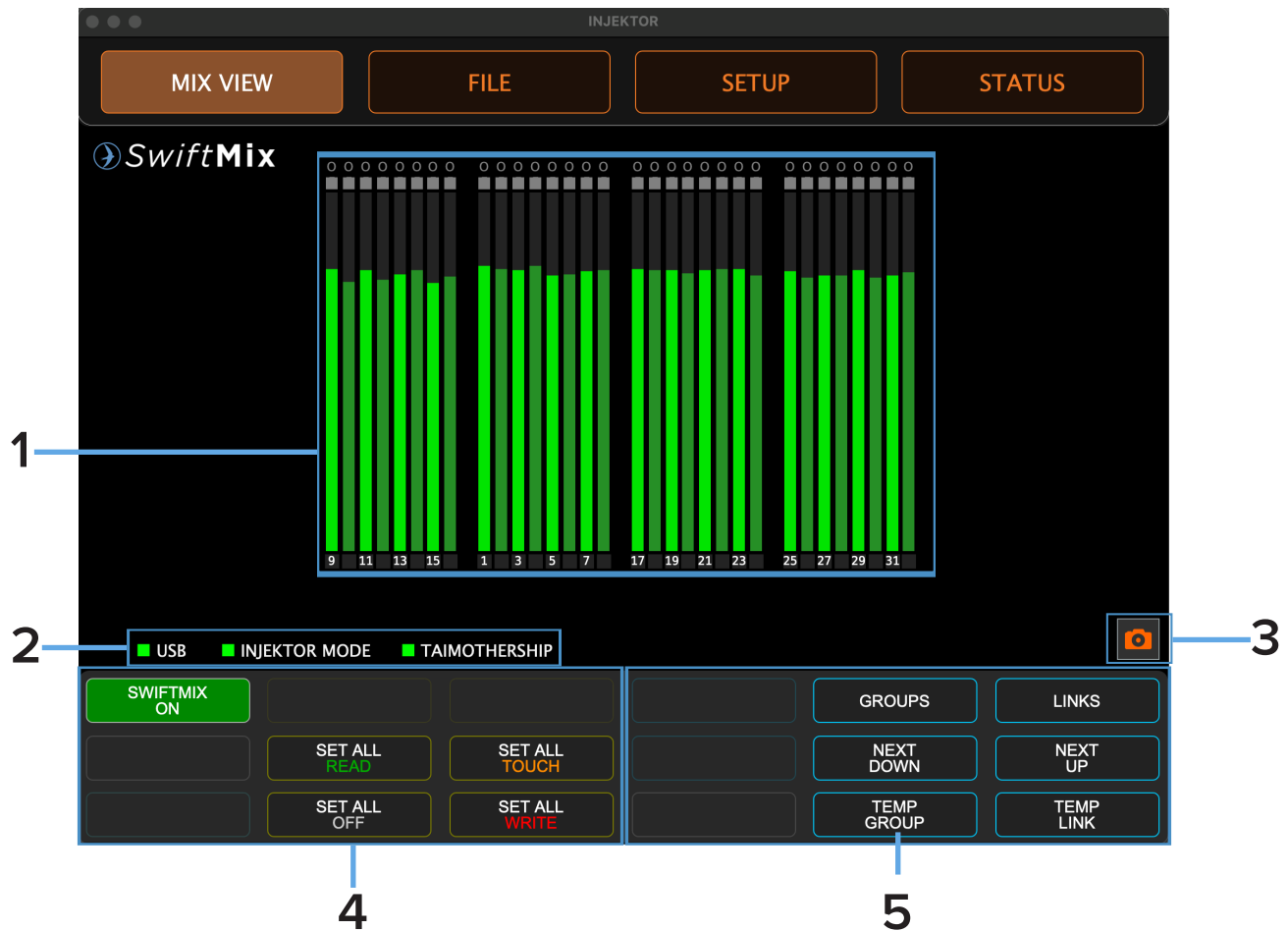
10. Once the SWIFTMIX system is connected properly and online, all the available controls for automation (faders, mutes and solo) will show up as separate automation lanes corresponding to the SWIFTMIX master track. All automation data can now be edited in Pro Tools and will be stored with the session.



INJEKTOR CONTROLS

'MIX VIEW' TAB OVERVIEW

Once the system has been configured properly, the majority of automation operation controls will be found in the INJEKTOR software 'MIX VIEW' tab and/or the MOTHERSHIP plug-in.



1. CHANNEL STATUS

This section displays the current status of all console faders, such as channel fader position, automation mode, MUTE on/off & channel fader number.

2. COMMUNICATION STATUS

This section displays the current status of the USB connection, INJEKTOR & MOTHERSHIP plug-in. Please note the status indicators will switch from RED to GREEN when the system is properly connected.

3. FADER SNAPSHOT VIEW

This 'camera' icon pulls up the snapshot window where you can save & recall static mixes.

4. AUTOMATION CONTROLS

This section contains global toggles for each available automation mode.

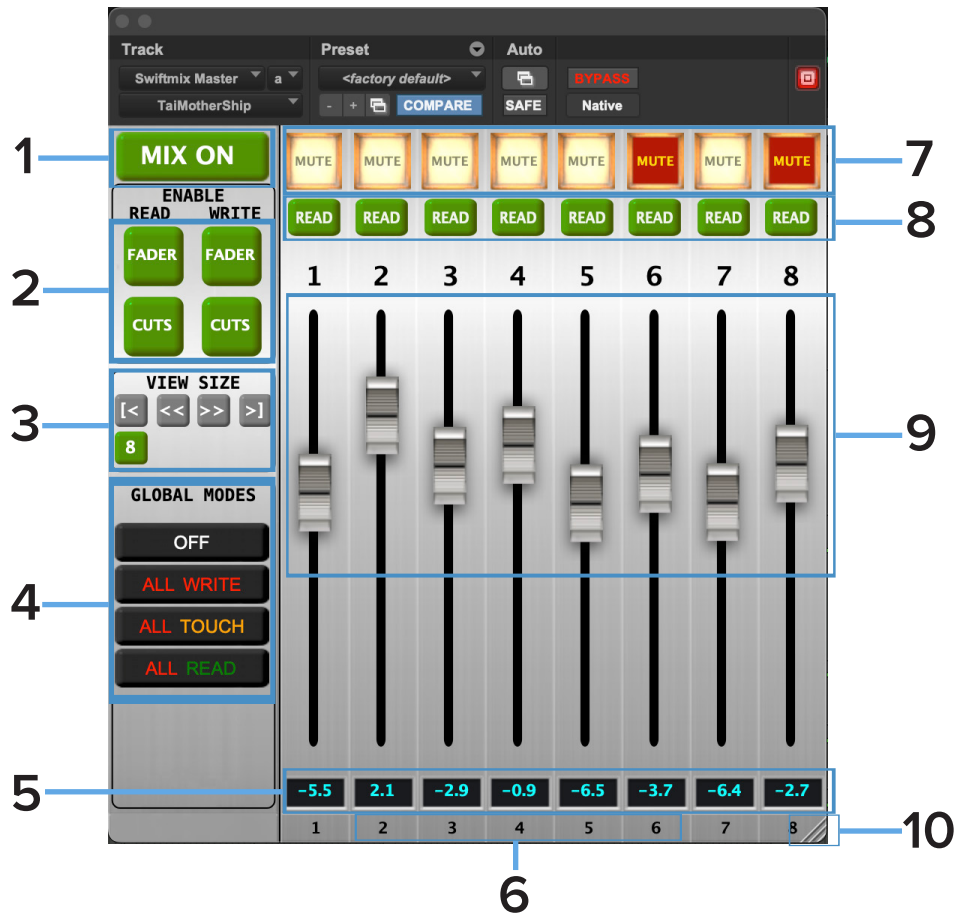
5. CONSOLE CONTROLS

This section contains controls for creating & managing groups and links while in INJEKTOR mode.

MOTHERSHIP PLUG-IN CONTROLS

'MOTHERSHIP' PLUG-IN OVERVIEW

Once the system has been configured properly, the majority of automation operation controls will be found in the INJEKTOR software 'MIX VIEW' tab and/or the MOTHERSHIP plug-in.



1. MIX ON/OFF

This button brings the automation system online by establishing the connection between the MOTHERSHIP plug-in and the INJEKTOR software.

2. AUTOMATION ENABLE

These buttons enable/disable certain automation functions.

3. FADER VIEW SIZE

These buttons set the number of tracks the MOTHERSHIP displays in one window. Max view setting is 32 faders.

4. GLOBAL MODES

These buttons globally toggle between the available automation for all faders on the system.

5. CHANNEL LABELS

These can be edited by clicking on the value.

6. CHANNEL dB DISPLAY

Displays the current fader level in dB

7. MUTE

These buttons display each faders current MUTE status.

8. AUTOMATION MODE TOGGLE

These buttons display and control each faders current automation mode status.

9. CHANNEL LEVEL FADERS

These faders display each channel's current level status.

10. MOTHERSHIP UI RESIZE TOOL

Click and Drag on this section to resize the Plug-in

AUTOMATION MODES OVERVIEW

SWIFTMIX 2.0 supports 7 channel automation modes in all. Each mode can be selected individually by using the physical buttons on each fader, the AUTOMATION MODE toggles in the MOTHERSHIP plug-in, or the INJEKTOR software.

- In **OFF** mode, there is no automation on the channel. If automation is written in the DAW, it is bypassed.
- In **WRITE** mode, volume and MUTE are written from the fader to the DAW's 'Swiftmix master' track. The DAW starts writing data immediately and previously recorded automation is overwritten.
- In **READ** mode, the DAW reads back the written automation on the 'Swiftmix master' track during playback.
- In **TOUCH** mode, the DAW reads back the written automation stored in the DAW track with the Mothership plug-in instantiated until the fader is touched, at which point it will begin overwriting existing data. Once released, the fader will return to the previously written automation.
- In **TRIM WRITE** mode, the fader position is written as an offset to a dedicated trim track that is separate from the existing written automation.
- In **TRIM READ** mode, levels are read from both the trim and absolute tracks. Trim offsets are combined with levels on the absolute track. For example, if the absolute track is at -7 dB and the trim track is at +2 dB, the audio is played back at -5 dB.
- **TRIM TOUCH** functions in the same way as Touch, but interacts with the Trim Track.

PRODUCT WARRANTY

Rupert Neve Designs warrants this product to be free from defects in materials and workmanship for a period of three (3) years from date of purchase, and agrees to remedy any defect identified within such three year period by, at our option, repairing or replacing the product.

LIMITATIONS AND EXCLUSIONS

This warranty, and any other express or implied warranty, does not apply to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, damaged by any dry cell battery, or which has been altered or modified in any way. This warranty is extended to the original end user purchaser only. A purchase receipt or other satisfactory proof of date of original purchase is required before any warranty service will be performed. THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, TO THE EXTENT ALLOWED UNDER APPLICABLE STATE LAW. IN NO EVENT SHALL RUPERT NEVE DESIGNS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT. Some states do not allow the exclusion or limitation of consequential damages or limitations on how long an implied warranty lasts, so this exclusion may not apply to you.

WARRANTY SERVICE

If you suspect a defect in this product, please contact our support staff for troubleshooting by phone (512-847-3013) or email (service@rupertneve.com). If it is determined that the device is malfunctioning, we will issue a Return Material Authorization and provide instructions for shipping the device to our service department.



Rupert Neve Designs

PO Box 1969

Wimberley TX 78676

www.rupertneve.com

tel: +1 512-847-3013

fax: +1 512-847-8869

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