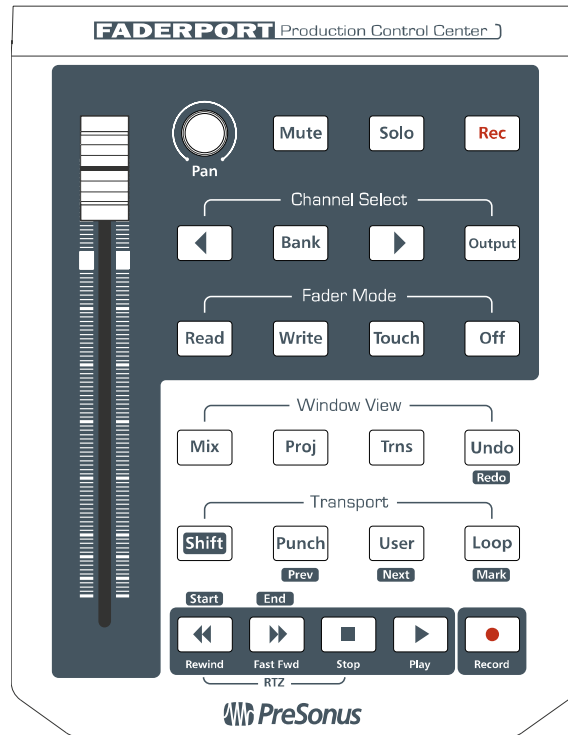


FADERPORT

USB DAW Controller



User's Manual Version 2.0



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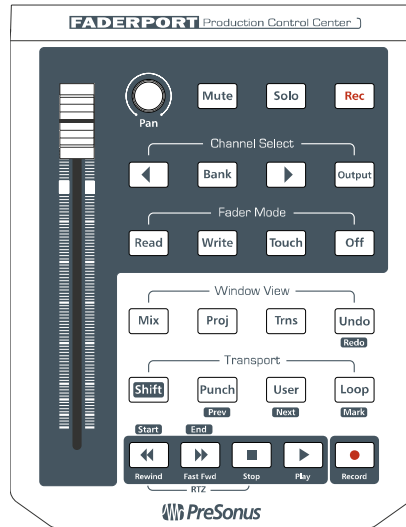
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OVERVIEW

1.1 INTRODUCTION



Thank you for purchasing the PreSonus FaderPort. PreSonus Audio Electronics has designed the FaderPort utilizing high-grade components to insure optimum performance that will last a lifetime. The FaderPort puts the feel, vibe, and efficiency back into music recording and production. No more clicking through menus and drawing automation edits with a mouse. The easy-to-use FaderPort delivers complete transport control for fast and efficient recording along with a motorized fader for writing fades and automation. The high-quality ultra-smooth motorized long throw fader on the FaderPort has the feel needed for recording perfect fades and writing automation in real-time. Pan, mute, solo, and record enable can also be easily controlled with the FaderPort along with window selection, play, stop, record, and managing markers (locate points) for fast and easy recording. A foot switch jack is also included on the FaderPort for hands free punch-in/out recording. The FaderPort works with most Mac or Windows-based recording software including ProTools, Sonar, Logic, Cubase, Nuendo, and Samplitude.

We encourage you to contact us at 800-750-0323 or techsupport@presonus.com with any questions or comments you may have regarding your FaderPort. PreSonus Audio Electronics is committed to constant product improvement, and we value your suggestions highly. We believe the best way to achieve our goal of constant product improvement is by listening to the real *experts*, our valued customers. We appreciate the support you have shown us through the purchase of this product.

We suggest you use this manual to familiarize yourself with the features, applications and correct connection procedure for your FaderPort before trying to connect it to your computer. This will hopefully alleviate any unforeseen issues that you may encounter during installation and set up.

Thank you, once again, for buying our product, and we hope you enjoy your FaderPort!

OVERVIEW

1.2 FEATURES

The FaderPort is a powerful and affordable USB DAW controller. Featuring the same ultra high-quality Alps fader that is used in professional control surfaces and digital mixing console, the FaderPort utilizes a dual servo motorized drive belt system for fast-acting, accurate, and smooth operation. The FaderPort's 100mm long throw fader delivers 1024-step resolution for writing ultra-fine and accurate fades and adjustments. In addition, the FaderPort puts complete automation and transport control packed in its small footprint for a clutter free workspace.

Summary of features

- complete recording transport control
- high-quality Alps fader used in control surfaces costing over \$10K+
- touch sensitive, 100mm long throw motorized fader
- dual-servo drive belt motor design for fast and smooth operation
- write single channel or group channel volume automation
- write pan and mute automation
- 1024 steps of resolution
- pan control, mute, solo, record enable
- quick window selection (edit, mix, transport)
- rugged metal top plate
- rugged military-grade push buttons
- footswitch jack for hands free punch in/out
- compatible with all major recording software including Pro Tools, Cubase, Nuendo, Logic, and more
- Mac and Windows compatible

OVERVIEW

1.3 What is in the Box

Your FaderPort package contains the following:



- FaderPort USB DAW Controller



- 18" USB cable



- 9V Power Supply



- Driver installation disc



- PreSonus Warranty Card

OVERVIEW

1.4 SYSTEM REQUIREMENTS

Below are the minimum computer system requirements for your FaderPort.

Computer system requirements:

- Windows XP/Vista (32bit only) or Mac OS X (10.4 +) with one available USB port

Control Emulation:

- **HUI Emulation:**
 - Pro Tools M-Powered/LE/HD v.6+
 - Cubase LE1
 - Cubase SE/SL 3
 - Nuendo 2
- **Native Mode:**
 - Cubase SX3
 - Cubase 4
 - Cubase Studio/Essential/LE 4
 - Nuendo 3+
 - Sonar 6+
 - Digital Performer 4.5+
 - Logic Pro 7+
 - Logic Express 7+
 - Live 7+
 - Sequoia 10
 - Samplitude 10

OPERATION

2.1 QUICK START UP

2.1.1 Installation in Microsoft Windows

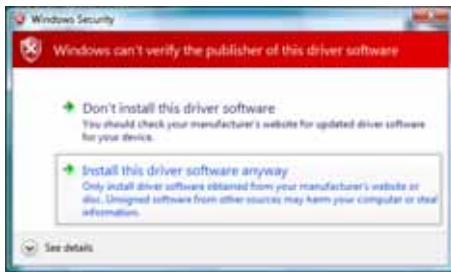
After inserting the Installation CD into your CD-ROM drive, the FaderPort installer will take you through each step of the installation process. Please read each message carefully – ensuring especially you do not connect your FaderPort early.



- 1) The FaderPort Installer was written to be as simple and easy-to-follow as possible. Please read each message carefully to ensure the FaderPort is properly installed.

Before continuing the FaderPort Installation Setup, please close all multimedia applications and disconnect your FaderPort from your computer.

Once the Welcome screen launches, click "Next"



- 2) If you see any Windows Security alerts, click "Install this driver software anyway" (Vista) or "Continue anyway" (XP).



- 3) The on-screen instructions will guide you through each step of the installation process. Once the driver installation is complete, the firmware updater application will begin to verify that your FaderPort has the appropriate firmware version installed.

The FaderPort Firmware Updater application was written to guide you through the entire installation process. Follow the on-screen instructions and the updater will verify your FaderPort's firmware version and update it if necessary

OPERATION

2.1.2 Installation in Mac OS X



- 1) The FaderPort Installer was written to be as simple and easy-to-follow as possible. Please read each message carefully to ensure the FaderPort is properly installed.

Before continuing the FaderPort Installation Setup, please close all multimedia applications and disconnect your FaderPort from your computer.

Once the Welcome screen launches, click "Continue"



- 2) The onscreen instructions will guide you through the installation process. Once the driver installation is complete, the firmware updater application will begin to verify that your FaderPort has the appropriate firmware version installed.

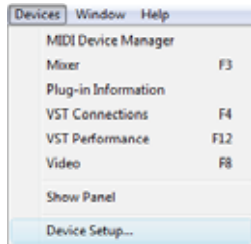
The FaderPort Firmware Updater application was written to guide you through the entire installation process. Follow the on-screen instructions and the updater will verify your FaderPort's firmware version and update it if necessary

OPERATION

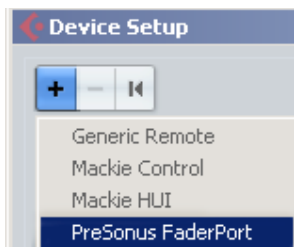
2.2 INDIVIDUAL DAW CONFIGURATION INSTRUCTIONS

2.2.1 Cubase/Nuendo Native Setup

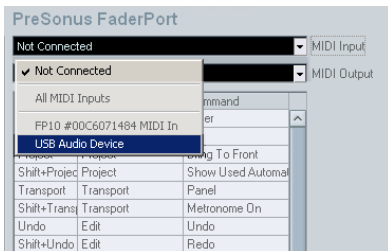
Once you have installed the FaderPort drivers and connected your FaderPort, launch Cubase or Nuendo to set-up the FaderPort as a native control device



1. Go to Devices | Device Setup



2. In the Setup window, click on the "+" sign in the top left corner and select "PreSonus FaderPort" from the list of control surfaces



3. In the FaderPort Configuration menu to the right, set both the MIDI Input and the MIDI Output to "USB Audio Device" (PC) or "PreSonus FaderPort" (Mac)

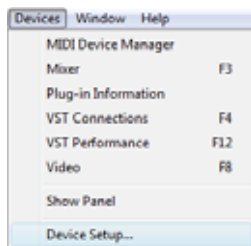


4. Click "Apply" and then "OK". Your FaderPort is now ready to use

OPERATION

2.2.2 Cubase/Nuendo HUI Setup

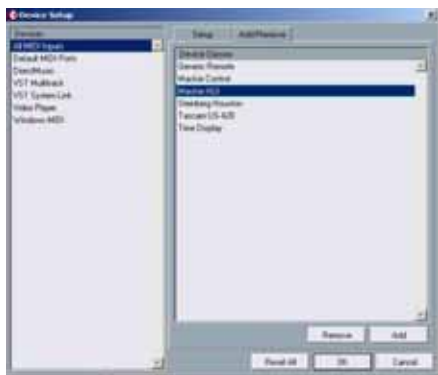
Earlier versions of Cubase and Nuendo (version 2 and below, as well as Cubase SE/SL 3 and LE1) do not support native mode. No driver installation is necessary. The FaderPort can be used as a plug and play HUI device.



1. Go to Devices | Device Setup



2. In the Setup window, click the "Add/Remove" tab



3. Select 'Mackie HUI' under the "Device Classes" list and click the "Add" button



4. Click the "Setup" tab and select 'Mackie HUI' under the "Devices List".

Set the MIDI Input and Output to "USB Audio Device [Emulated]" (PC) or "PreSonus FaderPort" (Mac)

Click "OK". Your FaderPort is now ready to use. Enjoy!

OPERATION

PLEASE NOTE: *Because the FaderPort was not designed to function specifically as a HUI device in these earlier versions of Cubase and Nuendo, the FaderPort will have limited functionality in these applications.*

The following buttons have no functionality:

- Output
- Mix
- Proj
- Redo
- Punch
- User
- Start
- End

The following buttons have limited functionality:

- **Mark**: only sets the Left Marker
- **Mouse-click to select tracks**: will only work for 8 tracks at a time (one bank) and only the bank of 8 you are currently in.
- **Channel Select Left & Right and Bank**: Banking or Channel Selecting past the last track in your session will cause the FaderPort to enter a type of "virtual bank". In this case, channel select or bank back until you can see the FaderPort controlling tracks again.

OPERATION

2.2.3 Digital Performer 4.5+ setup

Once you have installed the FaderPort drivers and connected your FaderPort, launch Digital Performer to set up the FaderPort as a native controller



OSX 10.4 (Tiger) users only, Leopard users please skip to Step 4

1. In Digital Performer go to Setup | Open Audio MIDI Setup



2. Click on the MIDI tab. You will see the FaderPort. Click "Add Device"



3. Drag the in / out virtual patch cords to hook FaderPort up to the new external device just added. Close the Audio MIDI Setup window.



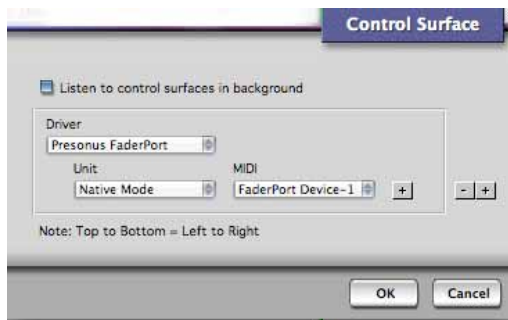
4. In Digital Performer Go to Setup | Control Surface Setup...

OPERATION



5. Click the gray “ + ” sign and select “ PreSonus FaderPort ” from the pull-down menu.

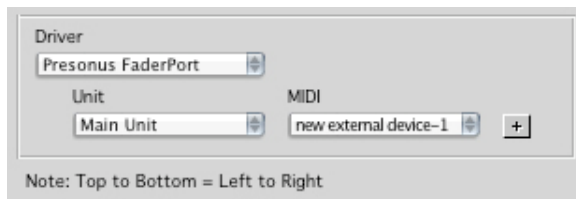
Tiger users continue to Step 7.



Leopard users only:

6. Under Unit select Native Mode
Under MIDI select “ FaderPort Device-1 ”

Click OK to close the window. Enjoy!



Tiger Set-up continued

7. Under Unit select Main Unit
Under MIDI select new external device -> new external device - 1



8. Click the gray + sign just to the right of the MIDI dropdown you just selected from
 - Under Unit select Native Mode
 - Under MIDI select new external device -> new external device - 2

Click OK to close the window. Enjoy!

OPERATION

User Defined Key Mappings

You can define 5 custom key mappings (bindings). To do this:

- 1- Go to Setup | Commands. You will see a column labeled MAC KEY 2
- 2- On the row of the command you want to map - Click on the MAC KEY 2 column

The commands are mapped by simultaneously holding down Shift, Control, Command, and Option keys and typing in a letter

The following letters are mapped to these buttons on the FaderPort:

- u = User
- r = Trns
- z = Shifted Mix
- j = Shifted Proj
- x = Shifted Trns – x

These letters were chosen because they do not clash with any existing DP command key bindings

Visual Indication of FaderPort Track in DP

In order to identify which track FaderPort is currently affecting, please make sure you have both the Tracks window open and the Track Name column visible. When you use the FaderPort navigation keys (Left, Right, Bank) the selected Track Name will highlight in the Tracks window. Likewise, selecting a Track Name in the Track Name column using the mouse causes FaderPort to be associated with the selected track

Digital Performer Known Issues / Limitations

Because there is no concept of Output section, the Output button has no function

Mix / Proj do not toggle, they repeat

The Transport is always visible and cannot be toggled

DP allows the following automation types: Read, Write, Overwrite, Touch, Latch, Trim Touch, Trim Latch. The Read, Write and Touch buttons on the FaderPort enable Touch, Overwrite, and Touch modes respectively.

Because of this, if you set the track to Latch, Trim Touch or Trim Latch mode using your mouse in DP, the FaderPort LEDs will not change and the mode will remain as you've assigned, but if you the FaderPort buttons, you will return to Touch or Overwrite mode.

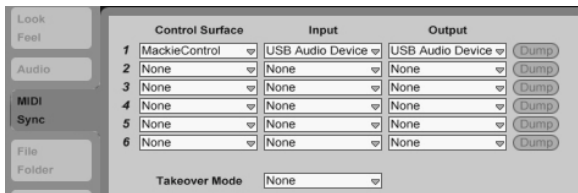
OPERATION

2.2.4 LIVE! Setup

Once you have installed the FaderPort drivers and connected your FaderPort, press the STOP button to change the FaderPort's mode of operation. The "OUTPUT" and "UNDO" buttons will begin to flash. Press the "OUTPUT" button to enter LIVE mode, press the "UNDO" button to exit. Once you have pressed the "OUTPUT" button, launch LIVE!



1. Go to Options | Preferences



2. Choose the MIDI/Sync tab and set the Control Surface to Mackie Control and the Input and Output to "USB Audio Device" (PC) or "FaderPort" (Mac).



3. Make sure that Track, Sync, and Remote are all turned on for both the Input and the Output of "MackieControl". Close the Preferences window. Your FaderPort is now set up and ready to use. Enjoy!

Fader Modes in LIVE!

By default the motorized fader controls the selected track's volume. However, other fader functions are available exclusively in LIVE!

Return Mode Press the "READ" button to assign the fader and other channel strip controls (i.e. pan and send) to the return channels in LIVE! To exit from Return Mode, press the "READ" button again.

Send Mode Press the "WRITE" button to assign the fader to the send level controls for the current track. While in Send Mode the Left/Right arrow buttons allow you to scroll through the available send channels. The pan knob controls the channel volume. By default, send A is selected when Send mode is enabled. To exit from Send Mode, press the "WRITE" button again.

OPERATION

Plug-in Mode Press the "TOUCH" button to assign the fader to the plug-in devices for the currently selected track in the main display. While in Plug-in Mode, the Left/Right arrow buttons will allow you to scroll through the available devices. A device can then be chosen to edit by pressing the "BANK" button. Once a device is selected the Left/Right arrow buttons allow you to scroll through the available editable parameters for that particular plug-in. To scroll to another device, press the "BANK" button again. To exit Plug-in Mode, press the "TOUCH" button again.

Output Mode Press the "OUTPUT" button to assign fader control to the Master Output channel. To exit Output Mode, press the "OUTPUT" button again.

Window Views in LIVE!

MIX	Toggles between the Arrange and Session views
PROJ	Toggles between the Clip and Track view
TRNS	Shows/hides the Browser window

SHIFT mode functions

Session Navigation Press the "SHIFT" button to make the "WRITE", "MIX", "PROJ", and "TRNS" buttons navigation controls in the Session View window

WRITE = Up

MIX = Left

PROJ = Down

TRNS = Right

Firing clips and Scenes in LIVE! with the FaderPort in the Session view

READ Fires the currently selected Clip or Stops a playing clip from the same track if the current clip slot is empty

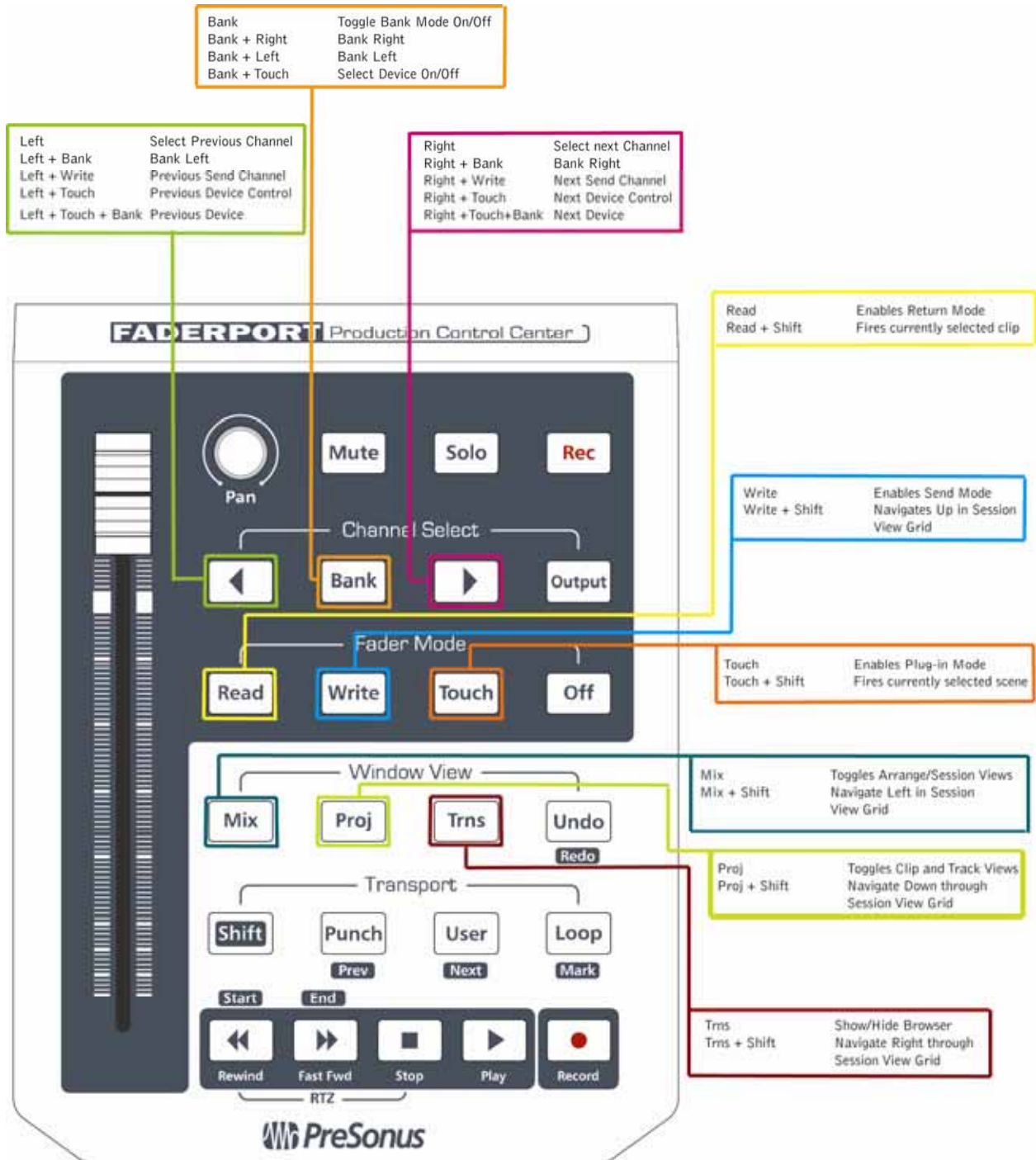
TOUCH Fires the currently selected scene and will advance the scene selection to the next scene below.

Firing Clips and Scenes with a Footswitch

While in the Session View, the currently selected scene can be fired by pressing the footswitch. The scene selection will advance to the next scene below. To fire a selected clip, enable Shift mode by pressing the "SHIFT" button. The footswitch will now fire selected clip. Once the selected track is record enabled, the footswitch will begin recording a clip if pressed once, pressing it again will stop the recording.

OPERATION

Quick Guide to Special Functionality in LIVE!



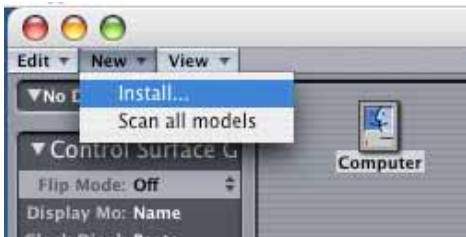
OPERATION

2.2.5 Logic Pro/Express 7+ Setup

Once you have installed the FaderPort drivers and connected your FaderPort, launch Digital Performer to set up the FaderPort as a native controller



1. Go to Logic Pro | Preferences | Control Surfaces | Setup...



2. In the Setup window, go to New | Install...

Please Note: If the FaderPort is already present in the control surface environment, your FaderPort is ready to use. No setup is required.



3. Select " PreSonus FaderPort" from the list of control surfaces and click " Add" . Close the device list window.



4. In the Setup window, you will now see the FaderPort

In the FaderPort configuration menu to the left, set the Out Port to " FaderPort and the Input to " FaderPort"

Close the Control Surface setup window. Your FaderPort is now ready to use. Enjoy!!

OPERATION

Special button mappings in Logic:

To enhance Logic work flow, the functions of several buttons have been assigned to control different parameters than what the silk screen indicates. These changes are as follows:

Mix:	Toggles the mixer window
Proj:	Toggles View Automation
Trns:	Toggles Auto Zoom on the Track
Write + Touch:	Enables Latch Automation

Special footswitch functionality in Logic:

Normal mode:	Play/Stop
Shift mode:	Rec/Stop
Punch mode:	Rec/Play (please note: "Punch on the fly" must also be enabled in Logic)

OPERATION

2.2.6 ProTools Setup

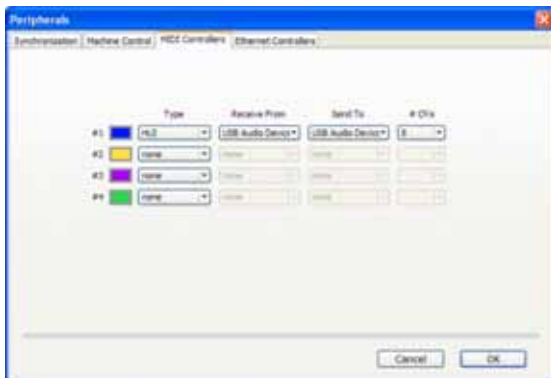
Once you have installed the FaderPort drivers and connected your FaderPort, launch ProTools to set up the FaderPort as a HUI device



1. Go to Setups | Peripherals



2. Create one HUI device under MIDI Controllers



3. Set the Receive From and Send To menus to "USB Audio Device" and "#Ch's" menu to 8.

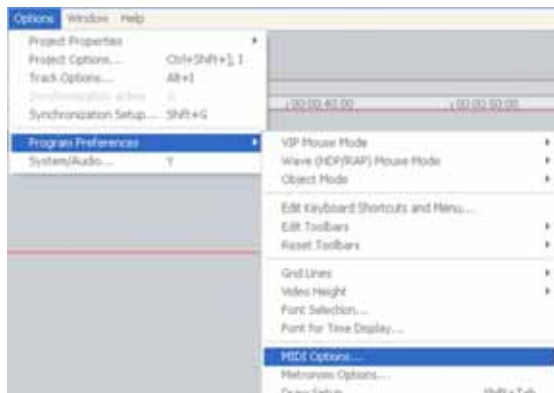
Click "OK"

Your FaderPort is now ready to use. Enjoy!

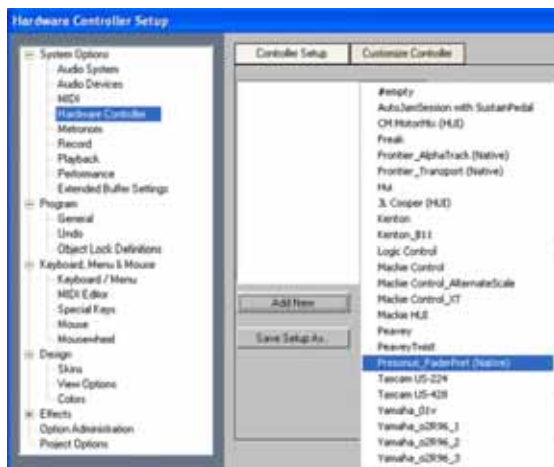
OPERATION

2.2.7 Samplitude/Sequoia 10+ Setup

No driver installation is necessary for Samplitude and Sequoia version 10 and above. Simply plug in your FaderPort and launch your application.



1. Go to Options | Program Preferences | MIDI Options....



2. Under System Options, select Hardware Controller and click the "Add New" button. From the pop-up menu, select PreSonus FaderPort (native)



3. Set the MIDI ports to USB Audio Device and close the dialog. Your FaderPort is now ready to use. Enjoy!

OPERATION

Special button mappings in Samplitude/Sequoia:

Output: Active Control Mode
User: Metronome

Active Control Mode:

Enables the Fader to control the active element in the Mixer, Track Editor, or Plugin. Element is chosen for control with a mouse click.

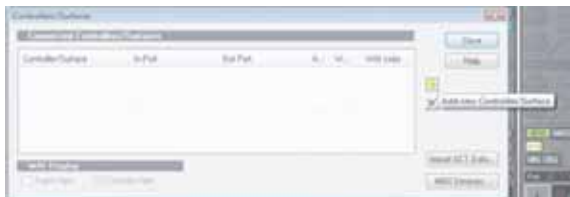
OPERATION

2.2.8 Sonar 6+ Setup

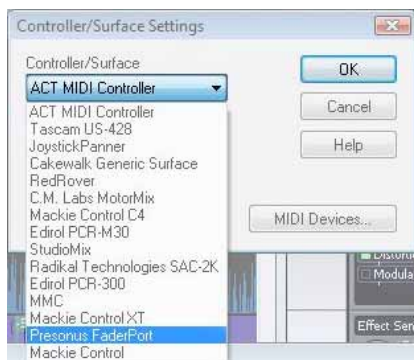
Once you have installed the FaderPort drivers and connected your FaderPort, launch Sonar to set up the FaderPort as a native controller



1. In Sonar, go to Options | MIDI Devices and select USB Audio Device for both the Input Port and the Output Port

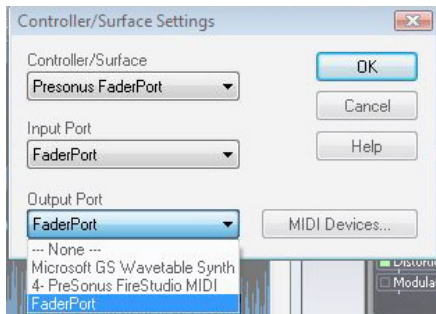


2. Go to Options | Control Surfaces and click the yellow plus sign



3. Select PreSonus FaderPort as Controller/Surface.

OPERATION



4. Select USB Audio Device for both Input Port and Output Port. Click "OK" and close the window.



5. Go to Options | Global...

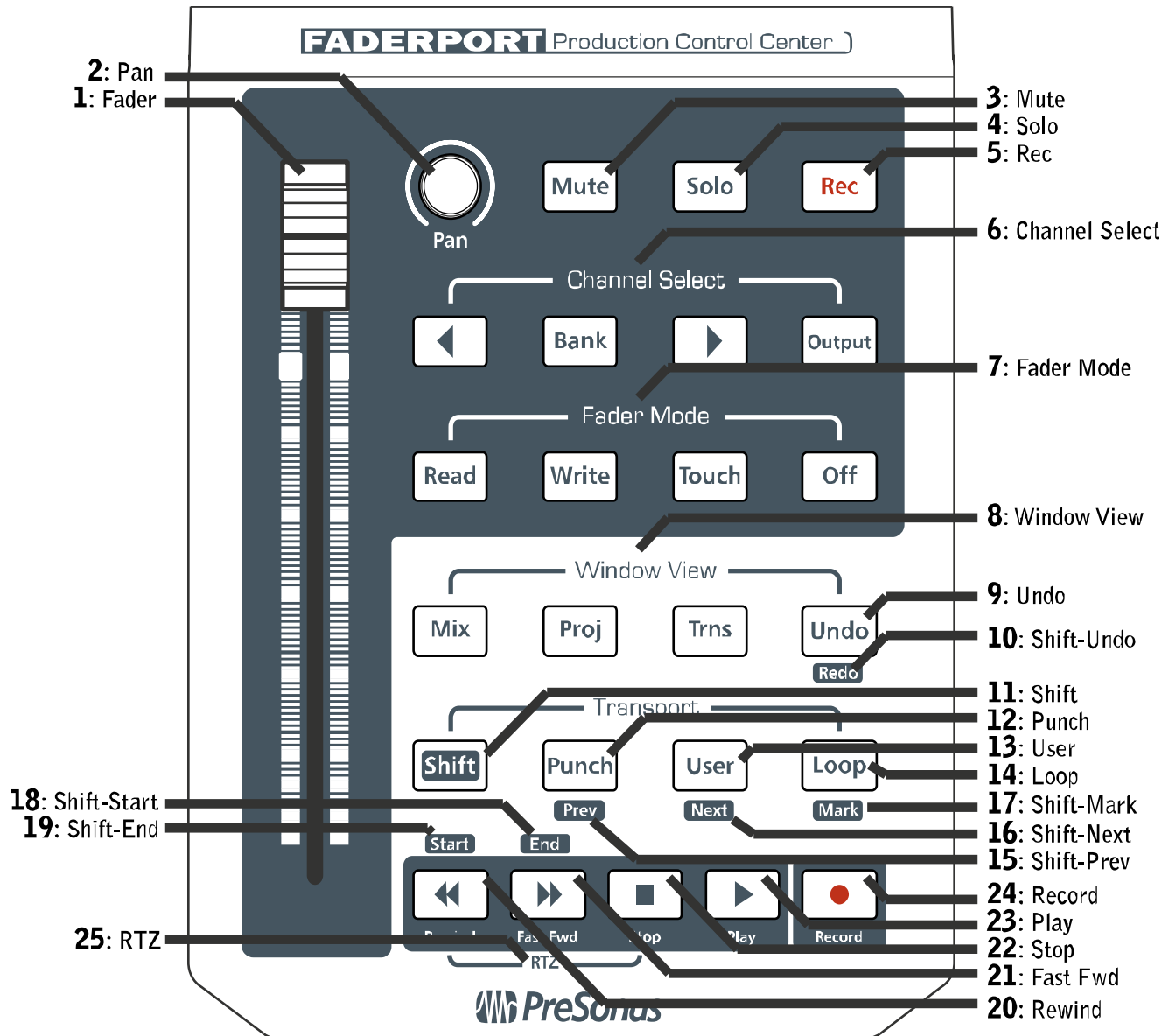


9. Click the "MIDI" tab and make sure both Key Aftertouch and Channel Aftertouch are checked. Click "OK" to close the window.

Your FaderPort is now ready to use. Enjoy!






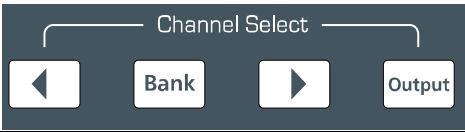
HARDWARE OVERVIEW

3.1 FRONT PANEL LAYOUT

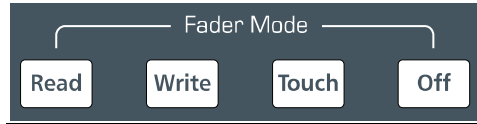


HARDWARE OVERVIEW

3.1.1 Function Explanations

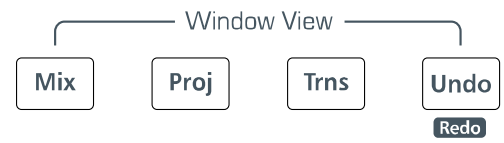
	<p><u>Fader</u></p> <p>Touch-sensitive, ultra-smooth, 100mm long-throw, motorized fader for writing volume automation of single channel and grouped channels.</p> <p><i>Please Note: The fader's motor requires a dedicated 9v power supply. To use the motorized fader, the power supply must be connected, however, the fader will send volume control messages with or without the power supply.</i></p>
	<p><u>Pan</u></p> <p>The Pan knob can be used to adjust and set the stereo panning as well as write stereo Pan automation on the selected track.</p>
	<p><u>Mute</u></p> <p>The Mute button can be used to Mute a selected track as well as write Mute automation on the selected track.</p>
	<p><u>Solo</u></p> <p>The Solo button can be used to Solo as well as write Solo automation on the selected track.</p>
	<p><u>Rec</u></p> <p>Press Record to "record enable" a selected track.</p>
	<p><u>Channel Select</u></p> <p>Allows you to bank through your tracks. The Output button access to your main output bus fader (Cubase/Nuendo only). Bank one track at a time with the left and right arrow buttons, or hold the bank button to bank 8 tracks at a time (BANK + < or >). The FaderPort will also follow the channel selection within the DAW via keyboard or mouse.</p>

HARDWARE OVERVIEW



Fader Mode

Enables the selected track's fader for read, write, and/or touch automation control, or turn the fader motor off with these controls. "Off" disables fader functionality and motor.



Window View

Open and close your DAW's main windows, and quickly access the 'Undo' and 'Redo' (SHIFT+UNDO) functions with these controls. MIX opens the mixer window, PROJ opens the main project window, and TRNS opens the transport (stop, play, etc) window.



Undo

Performs undo function in DAW software.

Shift + Undo

Performs REDO function in DAW software



SHIFT

The SHIFT key allows you to access the functions labeled below or above each button in the Transport and Window View sections. If you press and release the SHIFT button, it will latch on, so you can drop and navigate markers without having to continually hold the SHIFT button down (The button will not latch if you press and hold it).






PUNCH

This button is assigned to turn Punch mode on or off in your DAW. To manually punch in/out, simply press the RECORD button while the DAW is playing. For hands free operation, a footswitch can also be used.

Shift + Punch

PREV: Moves the cursor to the previous set marker.

HARDWARE OVERVIEW

	<p><u>User</u></p> <p>User-definable button. In Native mode for Nuendo/Cubase this is assigned to turn post roll off and on.</p> <p><u>Shift + User</u></p> <p>NEXT: Moves the cursor to the next set marker.</p>
	<p><u>Loop</u></p> <p>Engages loop mode in transport. Selected section of project will replay automatically or "loop" when in this mode.</p> <p><u>Shift + Loop</u></p> <p>MARK: Sets a marker while the session is playing.</p>
	<p><u>Rewind</u></p> <p>Hold to scroll cursor back on the timeline.</p> <p><u>Shift + Rewind</u></p> <p>START: Moves the cursor to the beginning of the main selection region.</p>
	<p><u>Fast Fwd</u></p> <p>Hold to scroll cursor forward on the timeline</p> <p><u>Shift + Fast Fwd</u></p> <p>END: Moves the cursor to the end of the main selection region</p>
	<p><u>Stop</u></p> <p>Stops playback</p>

HARDWARE OVERVIEW



Play

Engages playback



Record

Engages record on record-enabled tracks



RTZ (return to zero)

Press the REWIND and STOP buttons simultaneously to return to beginning of project.

TECHNICAL INFORMATION

4.1 TROUBLESHOOTING

No Fader Functionality

Make sure that the "OFF" button is not engaged.

PreSonus FaderPort does not show up in the device list in Logic

If you have customized your Applications directory or if you have multiple versions of Logic installed, the installer may not be able to automatically install the FaderPort.bundle file to the correct path. The bundle file can be easily installed manually by CTRL-clicking on the FaderPort Installed mpkg. Select "Show Package contents" from the pop-up menu. Double click Contents>Resources>FaderPort Bundle.zip to unarchive the bundle folder. Copy FaderPort Bundle>for Logic>FaderPort.bundle.

Go to MacHD>Applications and CTRL-click on your Logic application. Select "Show Package contents" from the pop-up menu. Go to Contents>MIDI Device Plug-ins and paste the FaderPort.bundle file.

TECHNICAL INFORMATION

4.2 SPECIFICATIONS

Dimensions	7" x 5.25" x 1.75" (18cm x 13cm x 4cm)
Weight	Approximately 1 lb.
USB	v1.1, provides FaderPort Logic Power
Fader Motor Power Supply	9VDC-1.2Amp

As a commitment to constant improvement, PreSonus Audio Electronics, Inc. reserves the right to change any specification stated herein at any time in the future without notification.