

# SAWStudio and TranzPort

This document assumes you have already installed the TranzPort Windows driver and have the TranzPort remote ready for operation. (If not, see the TranzPort Users Guide or Quick Start Guide for installation details.) It is based on using TranzPort v1.0.0 drivers with SAWStudio 3.9e, SAWStudio Lite 3.9e, and SAWStudio Basic 1.4e, but may apply to later versions of software as well.

## SAWStudio Set-up

Before starting SAWStudio, right-click on the TranzPort applet in your taskbar and set the control mode to “TranzPort Native.” This will configure the TranzPort to send and receive the correct set of MIDI messages for use with SAWStudio. For more information on Control Modes see the TranzPort Users Guide.doc.

Start SAWStudio and open the Options\MIDI Device Setup window. Select TranzPort for both MIDI-Control Device In and Out, and then click OK. Next choose “Open” under File/ MIDI-Control Template File, and select ‘MidiCtrl\_Frontier\_TrantzPort.mct’ from the list of available controllers. Under the SMTPE/Midi menu, enable ‘Midi-Control In Active’ and ‘Midi-Control Out Active’. SAWStudio is now configured to operate with TranzPort. If you then go to File/Preferences File and select ‘Save Default’ the TranzPort will become the default controller for SAWStudio every time it is started.

## Operation

The TranzPort has 18 function buttons, 2 local control buttons, a data wheel, and a backlit, 2x20 character LCD display. Silk screened labels clearly indicate the basic functions of most buttons. The SHIFT button allows other buttons to perform more than one function, expanding the range of control that TranzPort has over SAWStudio. Shift is a momentary button that is only active while it is being held.

When you open a SAWStudio project, TranzPort’s LCD shows the name of the first track in your project, the current layer number, and the sequencer location. Icons on the display indicating a region selection or Live Input mode are also possible. You may also have one or more status LED’s lit indicating the track’s solo, mute, record arm status, and loop mode status. Pressing play will cause the project to begin playback just as if you had clicked the play button on the screen. Likewise most of the buttons function just like their on-screen equivalents.

Below is a chart that describes the normal and shifted functions of each button. You will also find “SAWStudio Layout.pdf” on the TranzPort CD-ROM, or at [www.frontierdesign.com/tranzport/downloads](http://www.frontierdesign.com/tranzport/downloads), which serves as a quick visual guide for the TranzPort functions with SAWStudio. You may want to print this document for quick reference.

**Note:** SAWStudio uses the PUNCH button as a modifier key to the normal data wheel operation. See below for complete details.

## TranzPort Button and Data Wheel Functions

Name	Normal Function	SHIFT + Function
<b>REW</b>	Rewind by 10sec	Go to start
<b>FFWD</b>	Fast forward by 10sec	Go to end
<b>STOP</b>	Stop (dialog box “Cancel”)	Save Session
<b>PLAY</b>	Play (dialog box “Enter”)	Start Multitrack play preload
<b>RECORD</b>	Record, or Punch-in during SRP	Record Ready
<b>PREV</b>	Go to previous marker	none
<b>ADD</b>	Add marker at current location	Delete marker at current location
<b>NEXT</b>	Go to next marker	Live Input Mode On/Off
<b>IN</b>	Set Begin Position	Go to Begin Position
<b>OUT</b>	Set End Position	Go to End Position
<b>PUNCH</b>	Special function, enables data wheel parameter selection (see below)	Reset parameter to default
<b>LOOP</b>	Toggle Auto-Rewind mode, or Auto-Record Loop mode on/off	Toggle Auto-Record Layer Loop mode on/off
<b>&lt; TRACK</b>	Previous track (left/down)	Bank 8 tracks left/down
<b>TRACK &gt;</b>	Next track (right/up)	Bank 8 tracks right/up
<b>REC</b>	Toggle current track record arm on/off	Toggle all record armed tracks on/off
<b>MUTE</b>	Toggle current track mute on/off	none
<b>SOLO</b>	Toggle current track solo on/off	Clear all solos
<b>UNDO</b>	Retake to last record position	Retake to current cursor position
<b>DATA WHEEL</b>	Scroll timeline (normal), or select Parameter (see PUNCH above)	Edit parameter value
<b>FOOTSWITCH</b>	Emulate Play button	none

## Track Control

Pressing the “< Track” and “Track >” buttons will let you move from one track to the next. The LCD display will show the currently selected track name, and layer number or other currently selected parameter value. Likewise, LED’s for record arm, mute, and solo status will update to reflect the state of the selected track. Use the REC, MUTE, and SOLO buttons as well as the data wheel to change or edit the settings for the current track. Holding SHIFT while pressing “<Track” and “Track>” will move the TranzPort by 8 tracks in the direction selected.

## The Data Wheel

In addition to controlling display contrast, backlight level and sleep mode delay when used with the local control buttons, the data wheel performs several functions within SAWStudio. Normally rotating the data wheel will move the cursor along the timeline of your project. This is handy for quickly locating a point to begin playback or recording. However, pressing the PUNCH button will place the data wheel into track parameter selection mode. With the PUNCH button enabled (LED lit), turning the data wheel will cycle through a list of adjustable parameters for the currently selected track. Each parameter and its current value will be shown on the TranzPort’s LCD display.

To adjust the displayed parameter, press and hold the SHIFT button while turning the data wheel. SHIFT + data wheel can be used regardless of which mode the data wheel is currently in. This allows the user to select ‘Fader’ for example, and easily navigate through several tracks setting fader levels.

To quickly reset a parameter of the current track to its default value, press and hold SHIFT while pressing PUNCH. SHIFT + PUNCH can be used regardless of which mode the data wheel is currently in.

Below is a complete list of the track parameters that can be edited using the data wheel.

Layers	Aux 4 Lvl	Gate Rvs	Eq Gn 2
Fader	Aux 4 Pan	Gate Thr	Eq Frq 2
Pan	Aux 5 In	Gate Flr	Eq Q 2
Aux 1 In	Aux 5 Pst Fdr	Gate Rel	Eq Gn 3
Aux 1 Pst Fdr	Aux 5 Lvl	Gate Att	Eq Frq 3
Aux 1 Lvl	Aux 5 Pan	Dyn Key Listen	Eq Q 3
Aux 1 Pan	Aux 6 In	Dyn Eq Lo	Eq Gn 4
Aux 2 In	Aux 6 Pst Fdr	Dyn Eq Hi	Eq Frq 4
Aux 2 Pst Fdr	Aux 6 Lvl	Dyn Key	Eq Q 4
Aux 2 Lvl	Aux 6 Pan	Eq In	Eq Gn 5
Aux 2 Pan	Comp In	Eq LoCut In	Eq Frq 5
Aux 3 In	Comp Gn	Eq LoCut Frq	Eq Q 5
Aux 3 Pst Fdr	Comp Thr	Eq HiCut In	Mono
Aux 3 Lvl	Comp Ratio	Eq HiCut Frq	Swap LR
Aux 3 Pan	Comp Rel	Eq Gn 1	Phase Rvs
Aux 4 In	Comp Att	Eq Frq 1	Attenuator
Aux 4 Pst Fdr	Gate In	Eq Q 1	