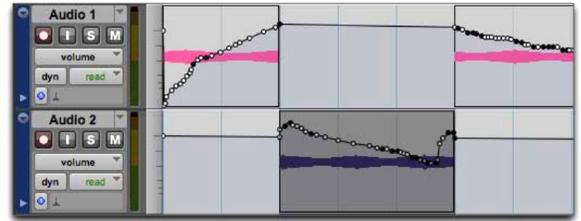


Plug-In Automation

MANUAL AUTOMATION EDITING

At this point, we've done a lot of volume and panning automation.



We can also do extensive automation to real-time plug-ins. Parameters for each plug-in can be enabled with the **Automation Enable** button,



Automation Enable button for accessing the Plug-In Automation dialog



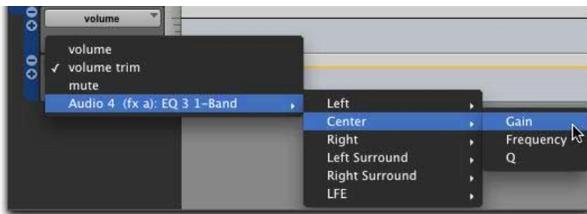
Enabling plug-in automation for individual parameters

or by *Command-Option-Control* clicking on the individual control that you want to enable.

(*Command-Option-Control* clicking on the **Automation Enable** button will enable/disable all controls.)



Automation may now be selected on the track for editing.



Selecting an automation lane

Cool shortcut: *Command-Control* click on a plug-in window control to bring up its automation graph.



All parameters disabled.



All parameters enabled.

REAL-TIME AUTOMATION RECORDING

Automation can also be written in real time with the knobs on the plug-in windows or the S6 control surface.

Parameters for each plug-in can be enabled as before.

Then, elect an automation writing mode for the track.



Read Mode plays any automation that was previously written for a track.

Write Mode writes automation from the time play-back starts to the time it stops, erasing any previously written automation for the duration of the automation pass.

Touch Mode writes automation only while a fader or switch is touched or clicked with the mouse. When the fader is released, the writing of automation stops and the fader returns to any previously automated position.

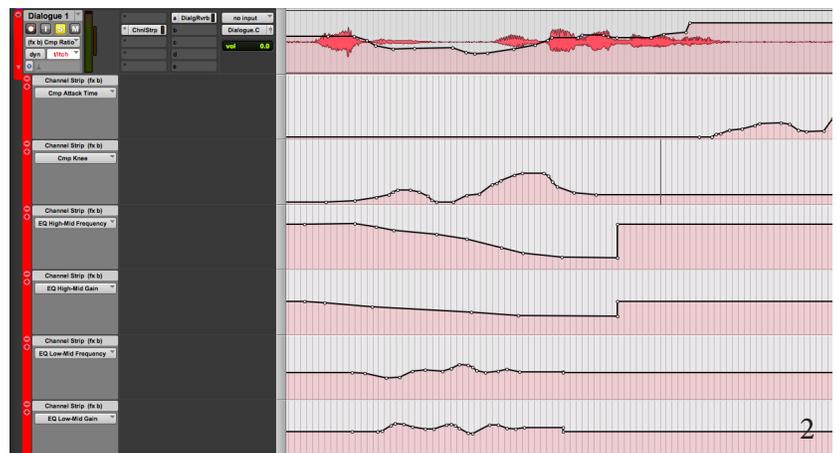
Latch Mode works in the same way as Touch mode, writing automation only if you touch or move a control. However, unlike Touch, writing of automation continues until you stop playback. Latch mode is particularly useful for automating Pan controls since it does not time out and revert to its previous position when you release a control.

Touch/Latch Mode: The Volume control follows Touch behavior, writing automation when touched and returning to previously written levels when released. All other controls follow Latch behavior, writing automation when touched and continuing until playback stops.

Trim Mode: Pro Tools HD can adjust (or trim) existing track volume and send level automation data in real time. Pan, mute and plug-in automation cannot be trimmed in this manner. Trim mode works in combination with the other Automation modes and is useful when you want to preserve all of your volume automation moves, but need to make levels a bit louder or softer to balance a mix.

Start playback, then adjust the knobs on the plug-in windows or the S6 control surface. Pro Tools will remember the moves you make. The next time you playback, the moves will be repeated.

Automation may now be selected on the track for editing.

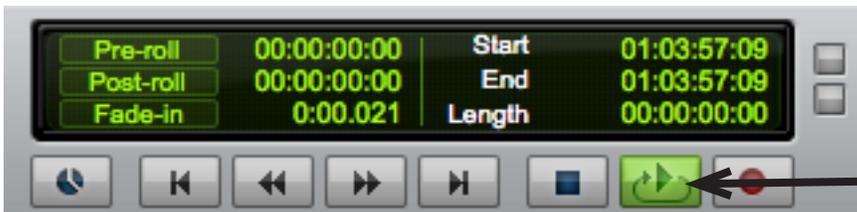


PREVIEW AUTOMATION PUNCHING

Automation can also be written in non-real time in a preview mode, then written to a selection. This requires use of the **Automation Window**.

The red **Write Enable** buttons control what types of automation will be written. Turn off all but what you need.

Open a plug-in window and be sure the controls you want to use are enabled. Be sure your track has an automation mode other than read enabled. (I prefer **Touch/Latch**.)



Select the clip(s) you want to adjust. Start playback. (You might want to turn on **Loop Mode** [Command-Shift-L])

Press the **Preview** button on the Automation Window.



Now adjust any or all enabled controls on the plug-in window. When you're happy with the sound, press the **Preview Punch** button (next to the **Preview** button),

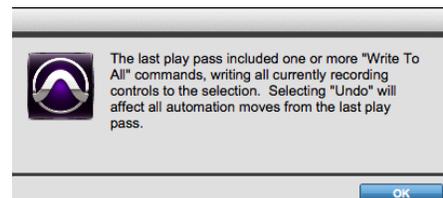


and then press the center **Manual Write** button.



You have now written new automation to your selection without affecting the rest of the track.

You will get the following warning message, but you can ignore it.



This new automation can be edited like any other automation.

You can continue to preview & punch other selections on the same (or other) tracks without affecting what you have already done.