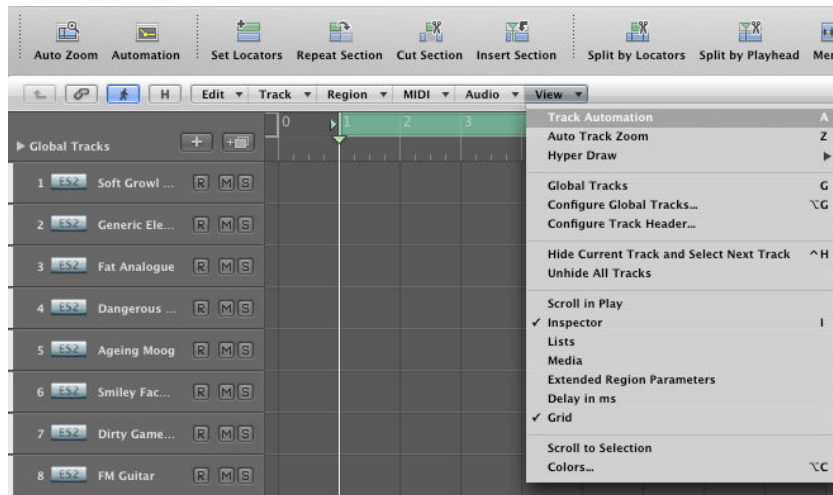


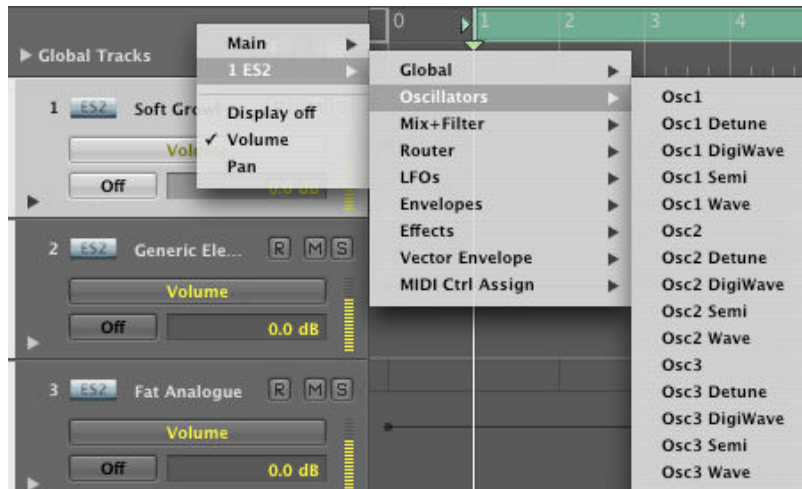


## **Clever Automation Tips for Logic Pro.**

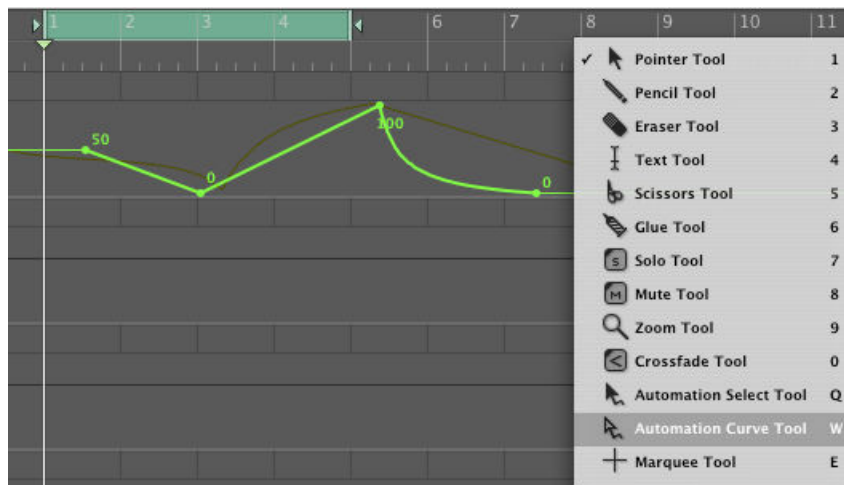
Automating in Logic can sometimes seem a bit daunting due to the endless possibilities, but we will show you a few tips and tricks to make things a bit easier for you. To view Track Automation, simply hit A on your keyboard, or click *View > Track Automation* at the top of your arrange window.



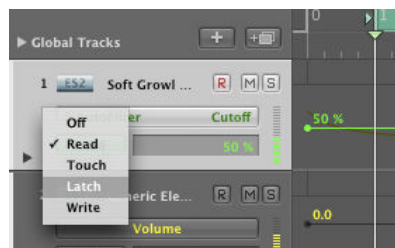
1. Pretty much anything in Logic Pro can be automated, from Send Levels, through to Panning through to Effect and Synth Parameters. The default of each track will be set to Volume, but you can change this by clicking where it says Volume, and choosing from the available list. You can automate as many different parameters in one track as your computer can handle!



2. To automate, simply click on the line and create a point, click again to create another, and move it to where you wish. You will see a smooth line created, which can be adjusted by hitting escape and selecting the automation curve tool, or by holding down Alt-Control whilst clicking. You can also freely draw automation using the pen tool.

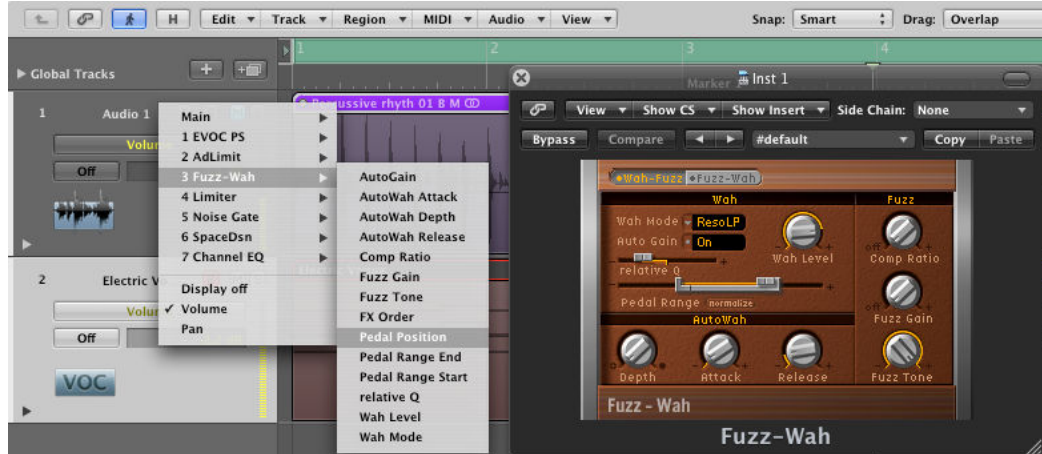


You move parameters with your mouse as the track is playing, and record these by selecting Latch Mode. Remember to switch back to Read Mode afterwards though!

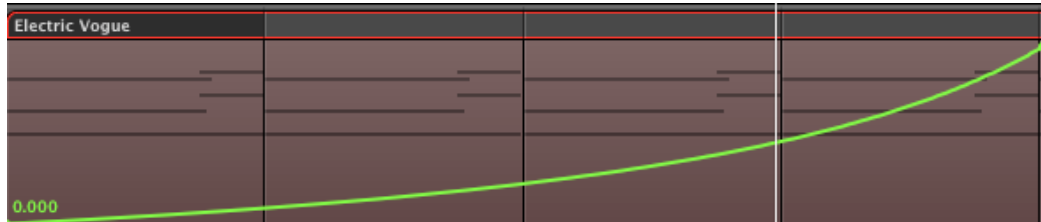


You can use an external MIDI controller to automate with, allowing you to control parameters within Logic using this hardware.

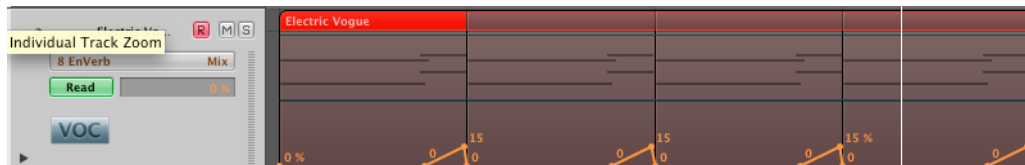
3. You can select various points of automation by holding down Shift and selecting areas with the mouse, or by holding down Alt and clicking along various points. Once these are selected you can paste them by holding Alt, clicking on the selected areas, and dragging and dropping somewhere else in your track.
4. Ok, so now we know the basics...lets have some fun....Now lets try automating a filter. Add a loop that you wish to filter, preferably one with a high frequency range, like a piano for example, Now add a filter of your choice, we have chosen the Fuzz-Wah (*Inserts > Filter > Fuzz-Wah*) as this has a very nice Low pass filter. Play around with the settings until it sounds how you want it to and then hit A or *View > Track Automation*. This will bring up your automation, and now you want to select which parameter you wish to automate, we have chosen 'Pedal Position' for the purposes of demonstration, but obviously you can automate what you want!



5. In this case we are going to have a rising filter, with a little bit of a curve to give it some speed at the end. So click on where you want your rise to begin, and where you want it end, move the points around accordingly, then select the curve tool by hitting escape or by holding down Alt-Control and clicking on the line.



- Now try automating some delays. Add a Tape Delay to a percussive loop and play around with the Delay Time, Feedback and Wet settings. Add a Reverb to your track and experiment with automating the Wet or Mix settings.



- Below we have a Vocoder track (see tutorial 'Creating Vocal Effects Using the EVOC 20 PS,') and we are using a drum beat as the analysis signal. Try automating the Release, Formant Stretch and Formant Shift parameters for some really cool filter effects. Have fun!



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