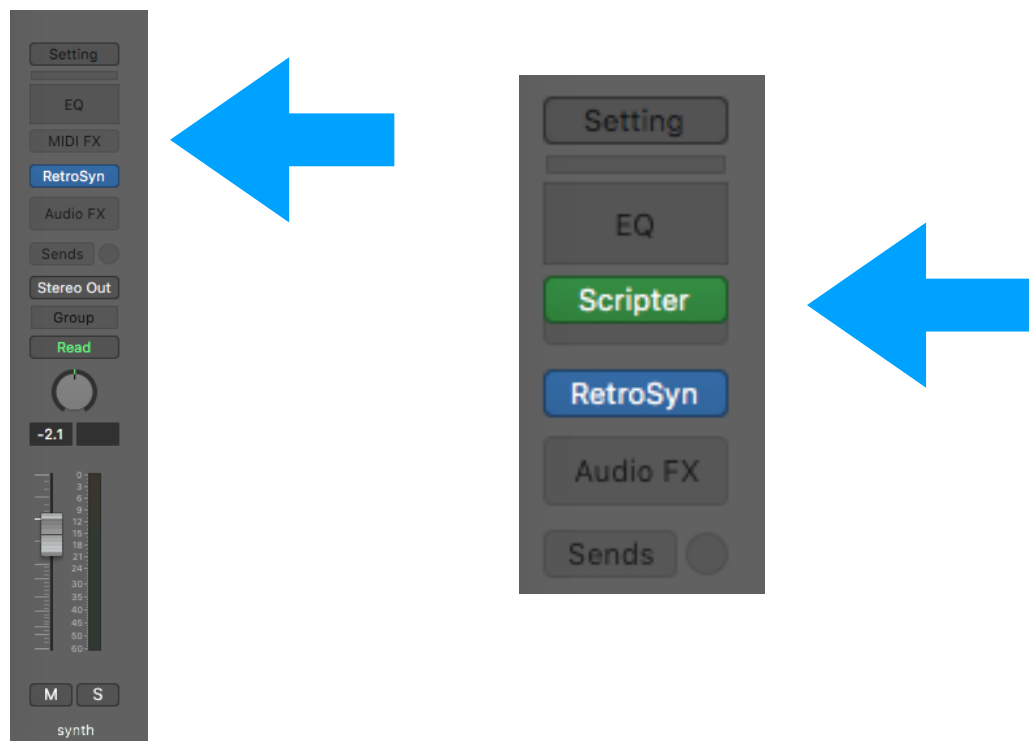


# Smarter Humanize - INSTRUCTIONS

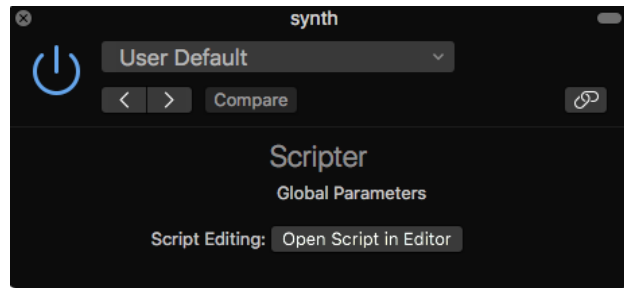
Purchase and download Smarter Humanize from [www.positivepressureaudio.com](http://www.positivepressureaudio.com).

Unzip the SmarterHumanize.zip file.

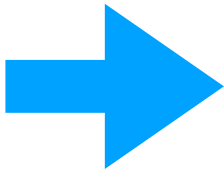
In Logic Pro X, add a Scripter plugin into one of the MIDI FX slots:



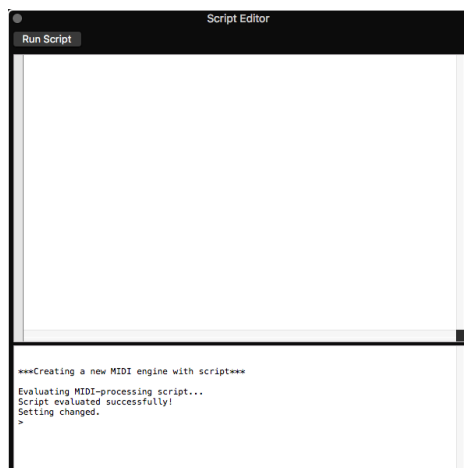
When the scripture plugin opens, if the script editor window is not already open, click “Open Script in Editor”



If there is currently a script in the Editor, select ALL and delete.

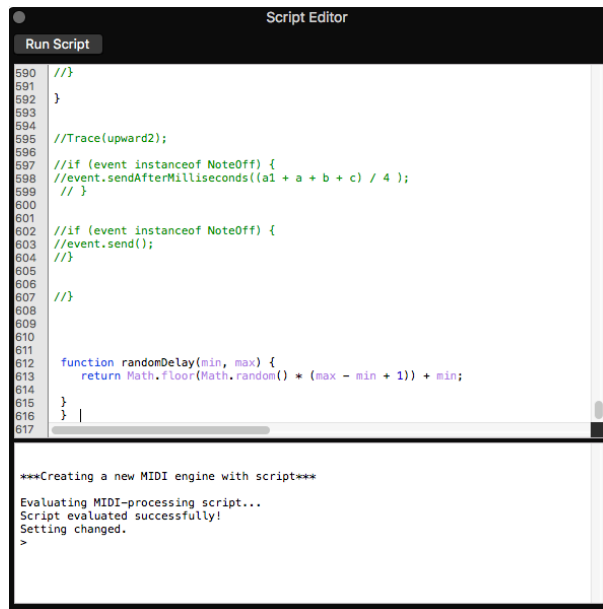


It should look blank like this:



Open the text file SmarterHUMANIZE.txt and select ALL and COPY.

Paste into the Editor window of your scripter plugin:



The screenshot shows a 'Script Editor' window with a 'Run Script' button at the top left. The editor contains the following code:

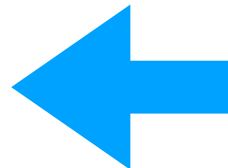
```
590 //}  
591 }  
592 }  
593  
594 //Trace(upward2);  
595  
596  
597 //if (event instanceof NoteOff) {  
598 //event.sendAfterMilliseconds((a1 + a + b + c) / 4 );  
599 // }  
600  
601  
602 //if (event instanceof NoteOff) {  
603 //event.send();  
604 //}  
605  
606  
607 //}  
608  
609  
610  
611 function randomDelay(min, max) {  
612     return Math.floor(Math.random() * (max - min + 1)) + min;  
613 }  
614 }  
615 }  
616 }  
617
```

Below the code editor, the console output reads:

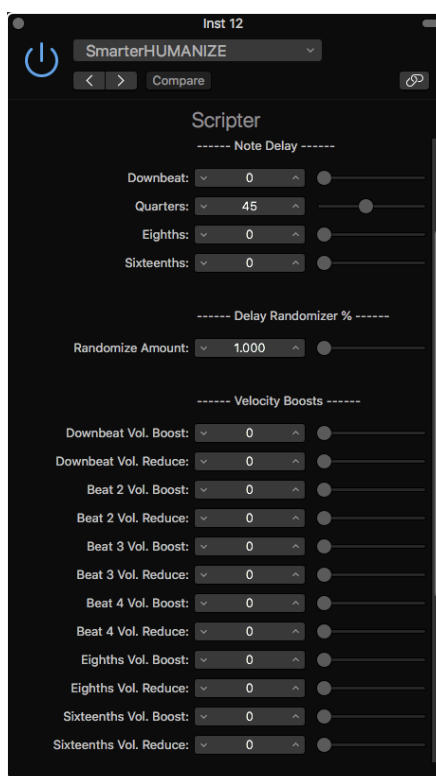
```
***Creating a new MIDI engine with script***  
Evaluating MIDI-processing script...  
Script evaluated successfully!  
Setting changed.  
>
```

Then click “Run Script”

Run Script



The plugin should now show the controls of Smarter Humanize:



The “Note Delay” section adds delay to each independent part of the bar:

Downbeat adds only to the Downbeat

Quarters adds only to beats 2-4

Eighths adds to all the eighths in-between the beats

Sixteenths adds to all the sixteenths in-between the beats and eighths.

The “Randomize Amount” dials in how much of the delay you’ve added gets randomized. With the Slider all the way left no randomization is added. With the slider all the midi is randomized from fully in time all the way to where you’ve set the delay slider for the given beats and subdivisions.

The “Velocity Controls” section gives added boost and cut to you midi information based on it’s position in the bar. Each beat and subdivision has its own slider that can boost up to a max midi value of 127 and reduce to a minimum value of 1.

The “Randomize Velocity” section applies random boosts and reductions to the midi velocity of each beat and subdivision individually. With the sliders all the way to the left the midi note is left at its original value (unless boosted or reduced in the above section, in which case it is the original value plus or minus the boost or reduction). As you move the sliders further to the right more randomization of velocity is added, until at the sliders far right the midi notes are randomized across the full 1-127 velocity range.

Additionally there is a “Global Velocity Range Limits” section where you can dial in either the maximum velocity or minimum velocity of your midi notes.

To save the script simply open the “User Default” disclosure box and choose “Save As” and title the script “Smarter Humanize”. You can also save custom version of Smarter Humanize as presets after you’ve found setting you like such as dialing in the right velocity setting for fast strings and choosing “Save As” “Smarter Humanize - Fast Strings” etc.

