TrevoScrub-MMAF-C19 1-sheet

TrevoScrub-MMAF-C19 is a Max for Live plugin that operates as a *sicklical* (™ *TrevoLabs*) **stereo**, **multimode filter** based on realtime **Corona-19 data**. How long did you think it would take me before decided to build something on this data set? 90 days. *That's how long*! I figured this would all blow over, but, no it's going to be a thing for a while, so we may as well sonify it.

1. Input - The filter can take live input or through use of the built-in oscillator (Sine, Saw, Square, White Noise and Pink Noise). Use the Oscillator level control to balance live and oscillator mixes. The oscillator is routed to both the left and right channels. Live input is separate stereo.
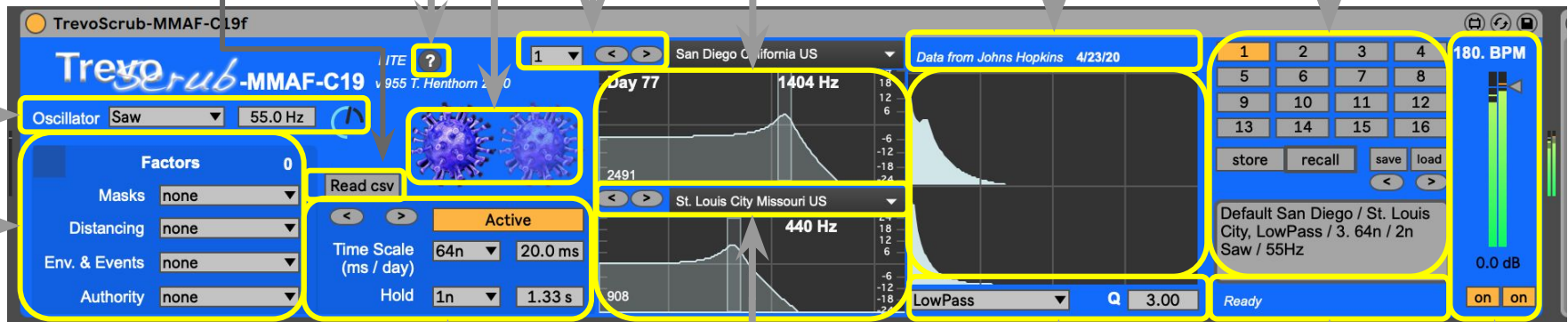
8. Presets - The preset manager can store the values of the Oscillator (Type and Frequency), Transport (Time Scale and Hold), Filter (Type and Q) and Factors. Click on a preset number then "Store" to store. Click on a preset number and then "Recall" to recall. These presets are useful for real-time performance. If you would like these to be saved, use the "save" and "load" functions. To promote real-time adjustment, the presets are intentionally **not** saved with the Ableton set). Save notes with your preset. Step forward and backward through presets. Preset #1 is loaded with the patch.

2. Data - The "Lite" version supports 1 time series data set -
time_series_covid19_confirmed_US
Data is loaded automatically. Use the "Read csv" button to load new data.

9. Visual feedback - These visual items will help you will the data sets: **Day** (since 1/22/2020), **Current frequency**, **last value** in the data set, the last day in the set (e.g. 4/24/2020), filter curve, **audio output spectrum** and **audio output volume**. The virus images show the intensity of the infection.

Step - the location forward and backward by the specified amount

Data from date

HELP!

6. Factors - Scale the filter through personal, environment and event factors. Click on the top/left to reset all to "none".

5. Locations - Choose a location for the left and right channels from the pulldown. The "Lite" version supports all counties and regions (~3200). Step forward and backward through locations.

Patch Status

3. Transport - *Activate* and *stop* the filter movement. The filter will cycle from Day-1 (**Jan 22, 2020**) to the last day in the data set. Set the **Time Scale** and **Hold** (the time the filter hangs on the ending value) by millisecond or synchronized to the Ableton Live transport tempo. The left and right channels will remain in sync so you can easily hear the two data sets. At 120 BPM, a Time Scale of 64n (1/64th note per data sample) works well.

4. Filter - Select between LowPass, BandPass and HighPass with a value for Q. To hear changes, a Q of 3.00 works well.

7. Output - Set the volume level of the output. You can also mute individual channels so as to hear them in *isolation*.