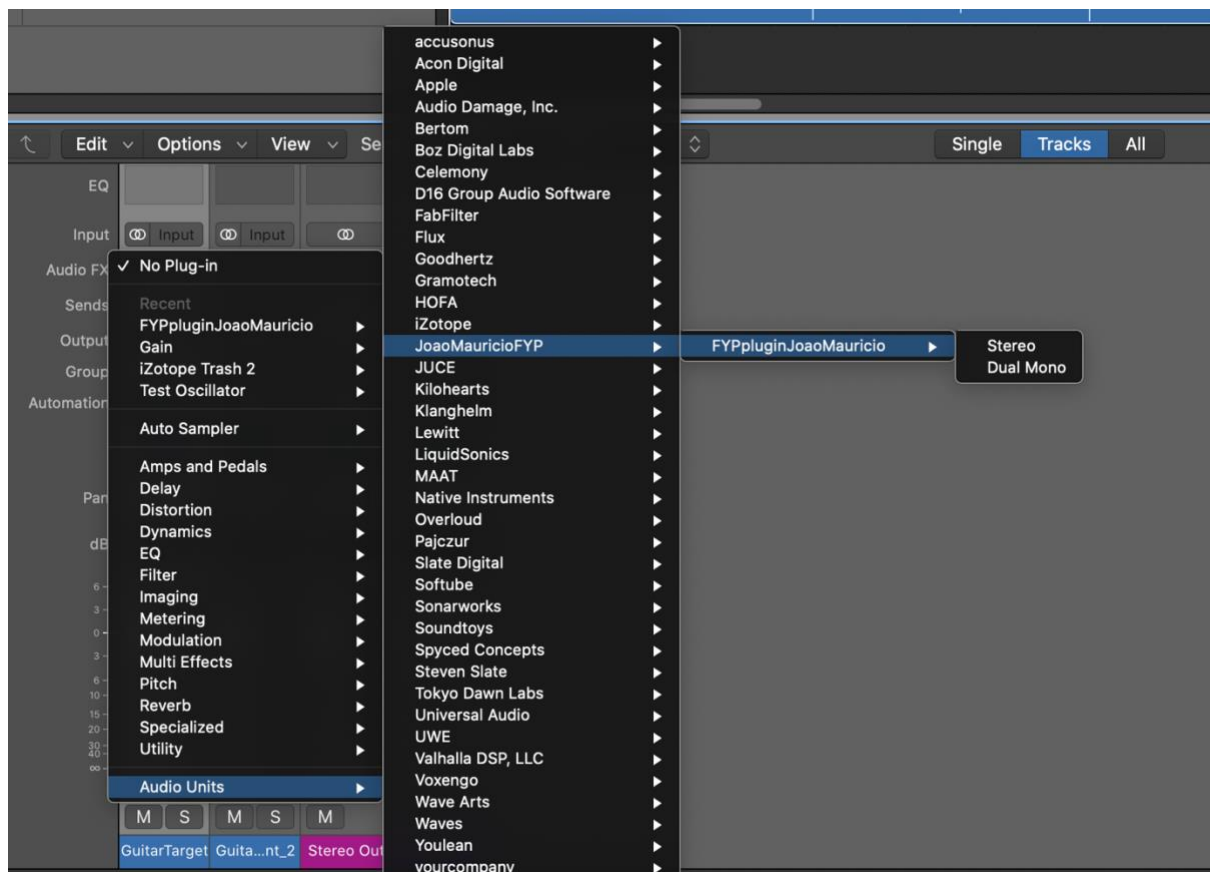


# FYP Final Plug-In User Manual

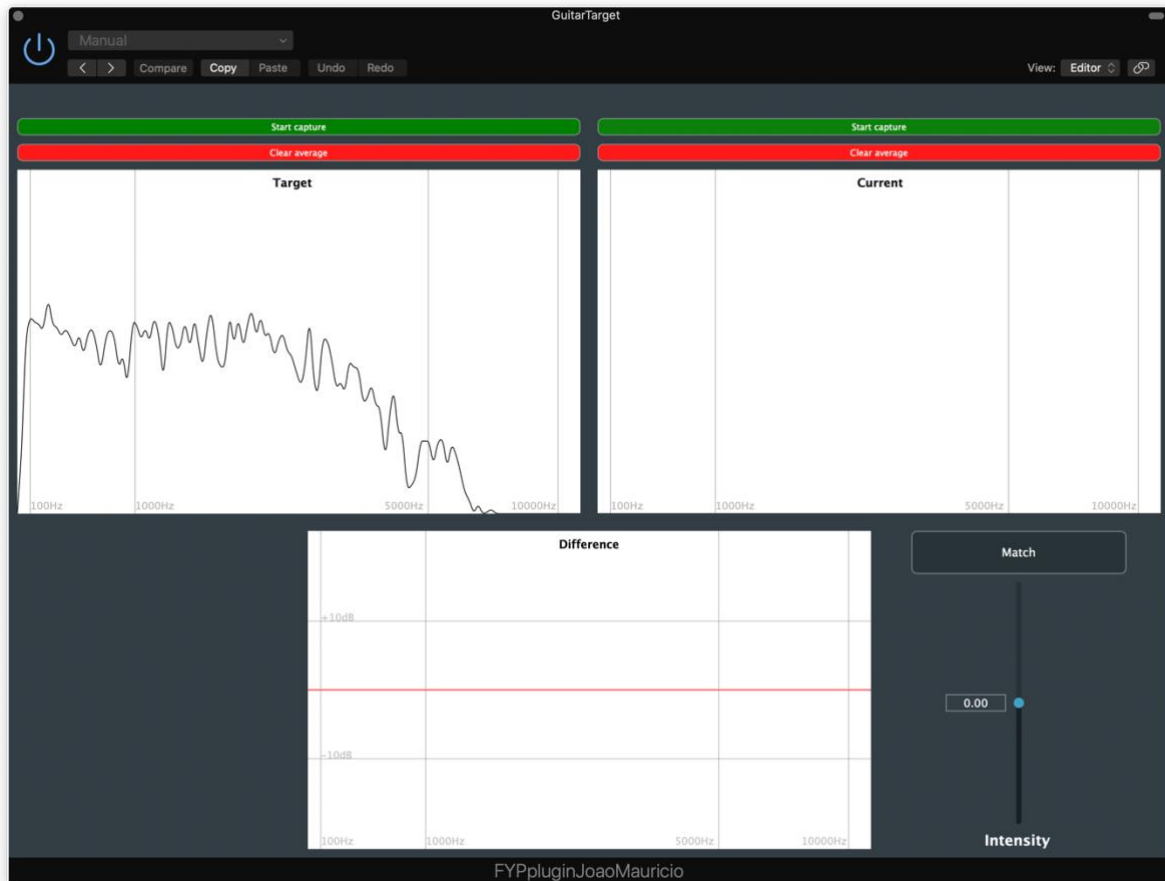
## 18030724

### Assisted Spectral Rebalance for Mixing and Mastering

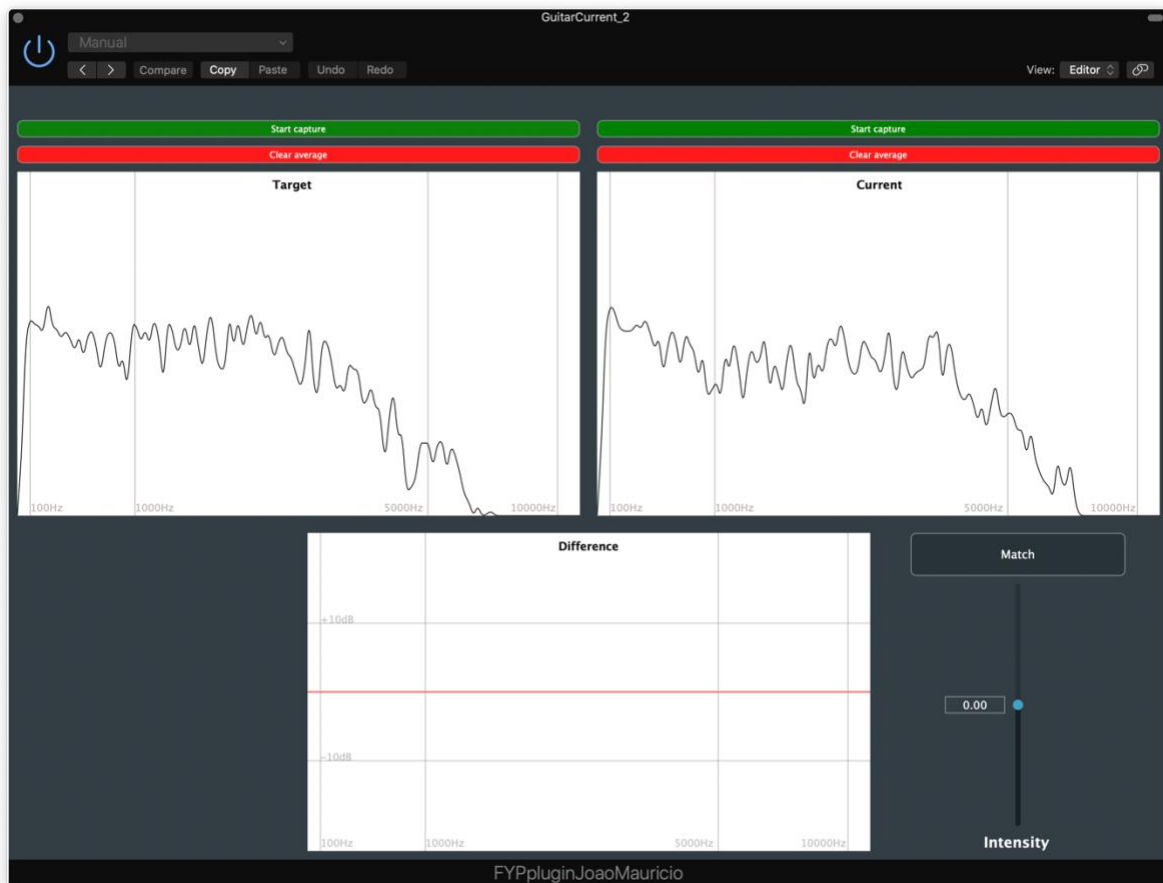
1. To start with, we can import two different audio files that we want to match onto two separate tracks on a DAW.
2. Insert an instance of the FYPpluginJoaoMauricio on the track that we want to use as a Target.



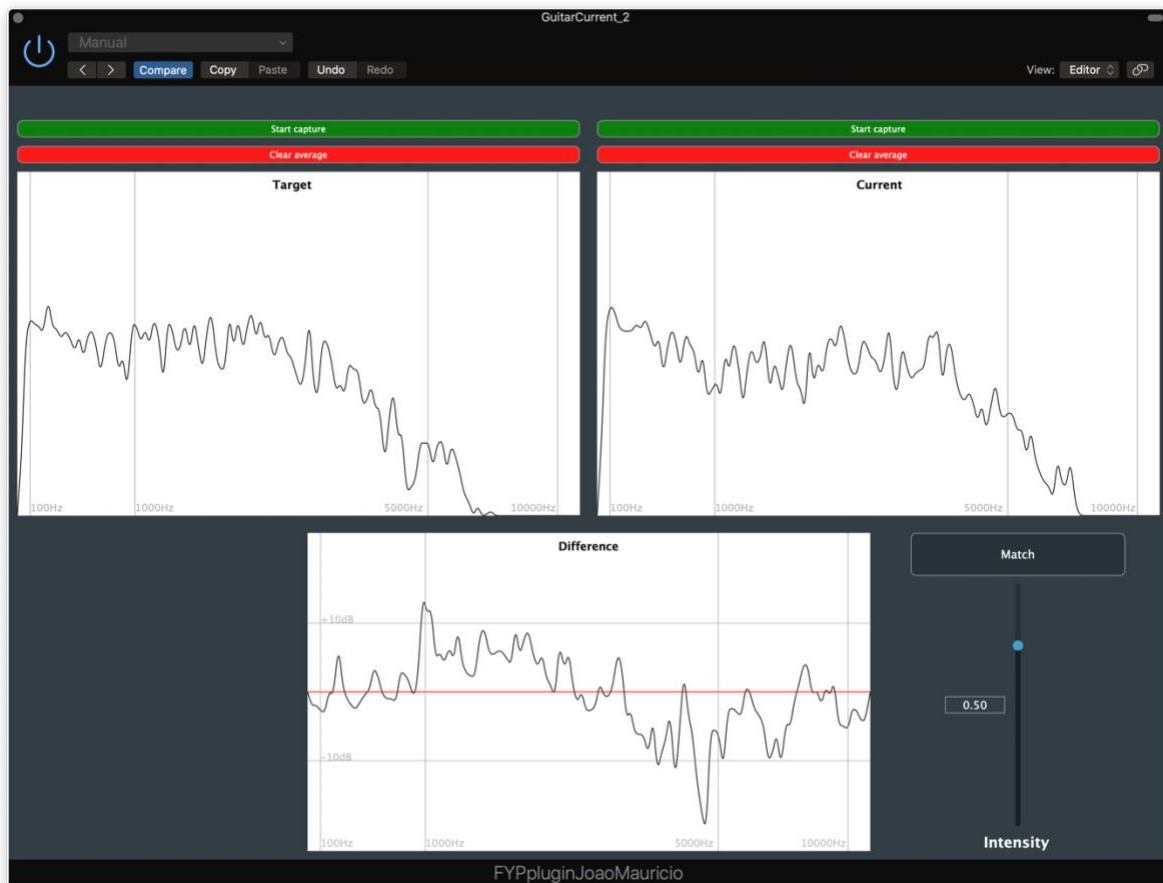
3. On the Target window of the plug-in, click on “Start capture”, and start the DAW playback. Whenever the clip ends, click on “Stop capture” to stop the spectrum averaging.



4. Once the Target has been analysed, move the same instance of the plug-in from the Target track to the Current track, which we want to apply the processing to. (The average spectrum from the Target clip will be saved)
5. Repeat the same process mentioned in step 3 to analyse the Current track, on the Current window.



6. Once both the Target and Current audio excerpts have been analysed, click on “Match”. The spectral difference will be displayed on the bottom spectrum and the filters will be automatically set up.



7. In order to alter the intensity of the filters, move the Intensity slider. Values from 0.0 to 1.0 (0% to 100%) will spectrally match the Current to the Target, whereas values from 0.0 to -1.0 (0% to -100%) will tonally separate the two tracks.
8. If the user wants to restart the analysis on either the Target or the Current, click on the “Clear average” button on the respective window. This will also clear the filter setup.
9. The Intensity slider can be automated through the DAW, if the user wishes so.