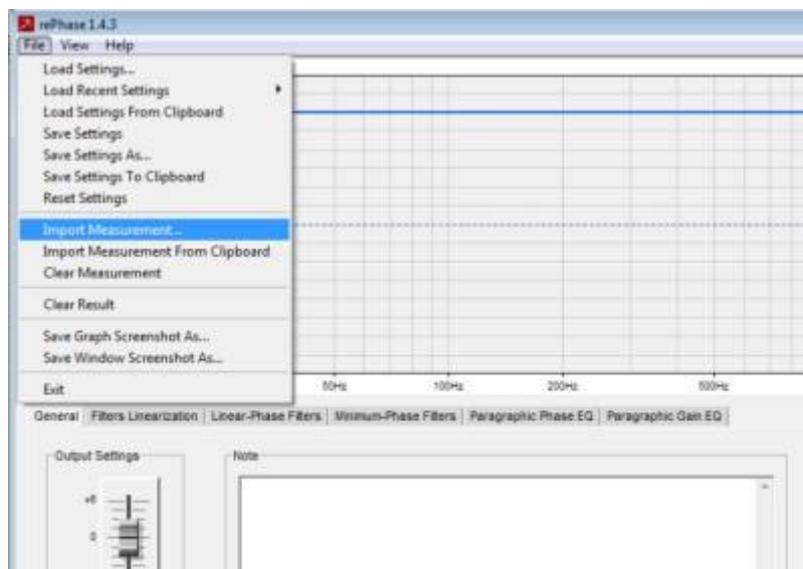# Rephase

Rephase will be used to do the following:

1. tweak the EQ filter settings generated by REW and;
2. create the FIR filters for the BruteFIR software convolution engine that runs on Volumio

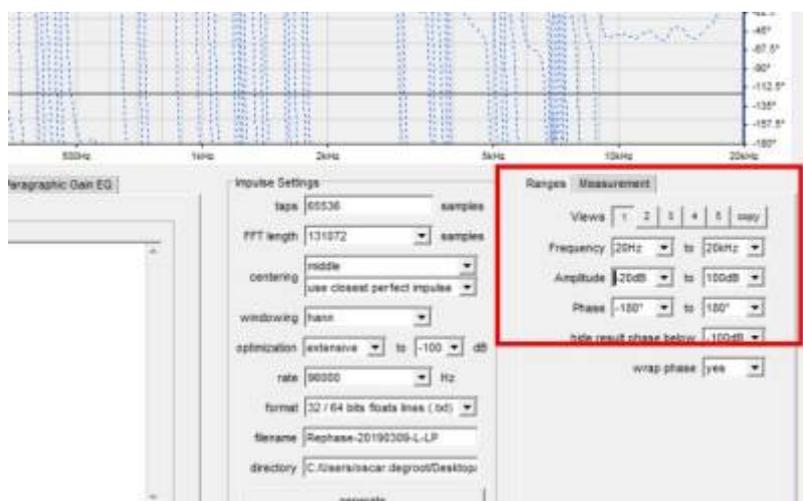For each individual stereo channel do the following steps:

Load Measurement

From the file menu choose "Import Measurement…" to import the REW measurement.
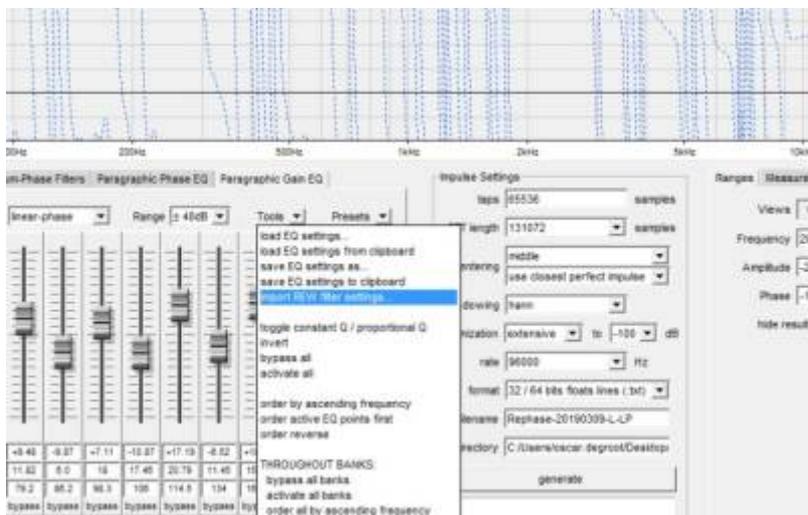

Adjust the visual ranges

Sometimes the measurement graph from REW is not directly visible, because it falls outside the default visual range of Rephase window. Choose Ranges and adjust Frequency (20Hz - 20kHz) and Amplitude (-20 dB to 100 dB).
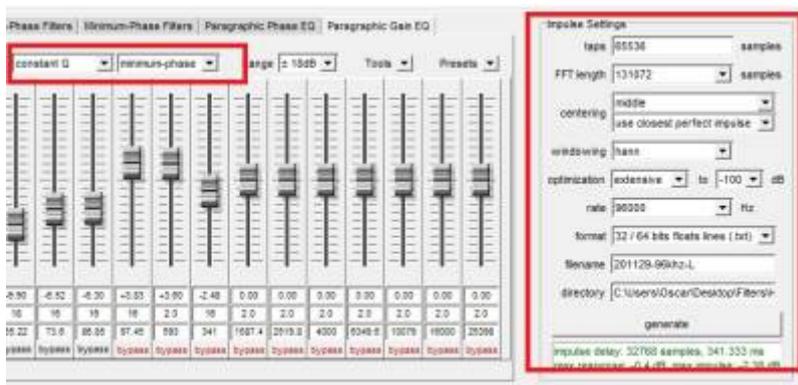
Import the REW filter settings

The EQ filter settings generated by REW can be loaded into Rephase by: Under the "Paragraphic Gain EQ" tab choose "import REW filter settings … " in the "tools" list. After loading, Rephase displays the effects on the EQ settings on the frequenty displayed curve. The parametric EQ filters can be changed and optimized manually.

Configure parameters and generate filter

Configure following rePhase parameters: set taps to 65536, rate to 96000, filename to the name of of the filter and choose directory in which rephase will create filter. For simple EQ amplitude corrections use "**Minimum Phase**". Hit generate to generate and save FIR filter Save your work under File/Save settings