

Rane Halogen Level 1 Processing

01 October 2024

01Oct24 Processing for Fulcrum Acoustic loudspeakers was created with *Rane Halogen v7.2.0* software. The Processing uses arbitrary FIR filters to implement the precise temporal (time domain) filters that are responsible for the remarkable benefits of TQ processing. For more information on TQ processing please see the *TQ Explained* and *Implementing TQ Processing* white papers on the Fulcrum Acoustic website.

Using the Processing:

- 1) Unzip the contents of “Rane Halogen Processing 01Oct24.zip” file to:
C:\Users\Your User Name\Documents\Halogen Configs
 - 2) Loudspeaker processing is grouped by product series. Open the Halogen Configuration (.hal) file which contains your desired loudspeaker(s).
 - 3) Select the “Processing” tab in the upper right corner. Window around the suite of DSP blocks that comprise a loudspeaker’s processing and press CTRL-C.
 - 4) Open your design’s Configuration file, select the “Processing” tab in the upper right corner, and press CTRL-P to paste the DSP blocks copied in Step 3.
 - 5) Wire as appropriate.
 - 6) Lather, rinse, and repeat from Step 2 to add more loudspeaker processing.
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Notes:

- Each set of processing includes a user-adjustable LF low-cut filter and a text block that suggests the minimum recommended low-cut frequency.
 - Bi-amplified loudspeaker output gains assume all amplifier channels have the same voltage gain. If this is not possible, the included output gains should be adjusted to accommodate differences.
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Changes since 23Mar23 release:

- Added RX4, RX5, RX6, and RX8 Processing.

Please send any questions to info@fulcrum-acoustic.com , or give us a call at +1 866 234 0678 ext 1.