

Rane Halogen Level 1 Processing

21 December 2016

21Dec16 Level 1 Processing for Fulcrum Acoustic loudspeakers were created with *Rane Halogen v6.2.2* 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 Level 1 Processing 21Dec16.zip” file to:
MS Windows 7 / 10 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 24Mar15 release:

- Updated AH96 and GX1265 Processing. Added CS118, CS121, FL283, and FLS115 Processing.
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Please send any questions to info@fulcrum-acoustic.com , or give us a call at +1 866 234 0678 ext 1.