

Soundweb London Sub Configurations

21 July 2016

21Jul16 Level 1 Sub Configurations for Fulcrum Acoustic loudspeakers were created with *Audio Architect Version 1.90.1* software. The Sub Configurations use 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. The FIR filters in the Sub Configurations require London processors to be set to a 48 kHz sample rate.

Using the Processing:

- 1) Unzip the contents of “London Level 1 Sub Configurations 21Jul16.zip” file to an easily found location on your hard drive.
 - 2) Loudspeaker processing is grouped by product series. Open the Audio Architect Venue (.audioarchitect) file which contains your desired loudspeaker(s).
 - 3) Double click the virtual London processor. Select the desired loudspeaker Sub Configuration(s) and press **CTRL-C**.
 - 4) Open your design’s Audio Architect Venue file and press **CTRL-P** to paste the Sub Configurations copied in Step 3. Note that only once instance of Audio Architect may be run at one time, so you may have to perform this operation several times to add loudspeakers from multiple series.
 - 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 high pass filter and a text block that suggests the minimum recommended high pass 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 last release:

- Fixed issue whereby audio signal did not pass through FIR blocks.
 - Added CS118 and CS121 Sub Configurations to the Subwoofer Processing file.
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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.