

## Soundweb London 48 kHz Macros

29 August 2024

29Aug24 Level 1 Macros for Fulcrum Acoustic loudspeakers were created with *London Architect Version 6.00 Release 5* software. The Macros 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 Macros require London processors to be set to a 48 kHz sample rate. *Note that you must use these macros in London Architect software. Sub Configuration files are available on the Fulcrum Acoustic website for use in Audio Architect software.*

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### How to use the Macros:

- 1) Unzip the contents of "London 48k Macros 29Aug24.zip" file to:  
C:\Users\Your User Name\Documents\My Macros  
*Note that the "My Macros" folder will not appear until you run London Architect for the first time.*
  - 2) Double-click "Processing Objects" in the Hardware tree to display a list of all processing objects. If the Hardware tree is not visible, click "Hardware" in the View menu to display it.
  - 3) Double-click "Fulcrum Acoustic" in the expanded "Processing Objects" tree.
  - 4) Click and drag the desired loudspeaker Macro from the expanded "Fulcrum Acoustic" tree to a device configuration.
  - 5) Wire as appropriate.
  - 6) Lather, rinse, and repeat from Step 3 to add more Macros.
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### Notes:

- Each Macro contains a user-adjustable high pass filter, bandpass gain(s), and bandpass limiter(s). All are accessible by double-clicking on a Macro to open its Control Panel.
  - Macro output gains assume all amplifier channels have the same voltage gain. If this is not possible, the amp gain trims in the Control Panel may be adjusted to accommodate differences.
  - Bandpass limiter thresholds are not engaged, and should be set by user to match amplifiers.
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### Changes since 22Mar23 release:

- Added RX4, RX5, RX6, and RX8 Macros.
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Please send any questions to [info@fulcrum-acoustic.com](mailto:info@fulcrum-acoustic.com) , or give us a call at +1 866 234 0678 ext 1.