

Crown DCi Series Speaker Tunings

20 September 2024

20Sep24 Speaker Tunings for Fulcrum Acoustic loudspeakers were created with *Audio Architect Version 2.55* software. The Speaker Tunings 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.

Using the Processing:

- 1) Unzip the contents of “Crown DCi Series Speaker Tunings 20Sep24.zip” file to:
C:\ProgramData\Harman Professional\Audio Architect
 - 2) Open the Audio Architect Venue (.audioarchitect) file which contains your desired DCi Series amplifier(s).
 - 3) Double click an amplifier to open its main control panel. Speaker Tunings are grouped by loudspeaker series. Click **File | Open | Speaker Tuning...** and select the appropriate loudspeaker series file.
 - 4) Double click the **SPKR** icon at the end of an output channel's processing chain. Click **Recall** and then use the Preset drop-down box to select a desired preset.
 - 5) Click OK. Confirm that the *Preset*, *Speaker Manufacturer*, *Speaker Model*, and *Output Band* look correct and then close the Speaker Tuning dialogue.
 - 6) Lather, rinse, and repeat from Step 3 to add more loudspeaker processing.
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Notes:

- Bi-amplified loudspeakers require recall of two presets: an LF channel and an HF or HF_LF (coax) channel.
 - The low frequency and coaxial transducers in the DX12/15 Series, M, and L bi-amplified loudspeakers both cover the full bandwidth of the loudspeaker. The high pass filter for each transducer must be set to the same values when crossing into a subwoofer.
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Changes since 16Feb23 release:

Added RX4, RX5, RX6, and RX8 Speaker Tunings.

Changes since 14May21 release:

- Added CCX8 Series, CCX15 Series, AHC2 Series, AHC4 Series, DF4 Series, FHI595, FL283 Flat4, and RM28fp Speaker Tunings. Updated RM25 Speaker Tuning.
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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.