Blaze PowerZone™ Connect Speaker Presets

30 September 2024

30Sep24 Speaker Presets for Fulcrum Acoustic loudspeakers were created for Blaze PowerZone™ Connect full Matrix DSP amplifiers using the embedded web app *PowerZone™ Control*. Firmware 1.4.0 or greater is required. 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 Presets:

1) Unzip the contents of "Blaze PowerZone Connect Speaker Presets 30Sep24.zip" file to an easily found location on your hard drive.

2) Establish communication with the PowerZone Connect device using your web browser.

3) Click the device's *Output* tab and *Speaker Preset* tab and select the desired output.

4) Click *Import Preset From File*, select the desired preset from the location chosen in Step 1 above, and click *Import*.

5) Confirm that the correct preset is loaded. Click *Customize Preset* to adjust the preset's high or low pass filter from factory default. This is typically done when establishing a custom crossover frequency between a full range loudspeaker and subwoofer.

6) See next page for illustrations of Steps 3-5 above.

7) Lather, rinse, and repeat from Step 3 to add more Speaker Presets.

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.

Changes since 24Jul23 release:

- Added RX4, RX5, RX6, and RX8 Speaker Presets.

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

First Screen

PowerZone CONTROL

- Dashboard
- Input
- Zone
- **Output** ← *output tab*
  - Routing
  - Delay
  - Equalizer
  - **Speaker Preset** ← *speaker preset tab*
    - Crossover & Gain
    - Speaker Eq
    - FIR
    - Driver Alignment
    - Polarity
    - Limiter
    - Output Mode
- Settings

output channel

| 1 | 2 | 3 | 4 |

1 Output CH 1

-48 -24 -12 -6 0 3 --- dB

-30 -24 -18 -12 -6 0 6 12 15 0.0 dB

Signal from ZONE A   Speaker is CUSTOM

Speaker Preset

No Speaker Preset Loaded

SELECT PRESET FROM LIBRARY

IMPORT PRESET FROM FILE ← *import preset*

EXPORT PRESET TO FILE

CLEAR PRESET

Second Screen

PowerZone CONTROL

- Dashboard
- Input
- Zone
- **Output**
  - Routing
  - Delay
  - Equalizer
  - **Speaker Preset**
- Settings

✓ PRESET APPLIED ✕

| 1 | 2 | 3 | 4 |

1 Output CH 1

-48 -24 -12 -6 0 3 --- dB

-30 -24 -18 -12 -6 0 6 12 15 0.0 dB

Signal from ZONE A   Speaker is CCX1295 v3

Speaker Preset

Speaker Preset
CCX1295 v3   ← *confirm preset*

CUSTOMIZE PRESET ← *customize preset*

CLEAR PRESET