

## Blaze PowerZone Connect series: Firmware Version 1.2.0

The Blaze **PowerZone Connect** series of full matrix DSP amplifiers uses software embedded into the hardware – known as firmware.

To provide the best experience possible we periodically release updated versions of the Blaze PowerZone Connect amplifiers firmware. After updating the firmware, you will experience upgraded functionality and improved usability in the PowerZone web app. To ensure that you are getting the most out of your Blaze PowerZone Connect amplifier we recommend checking your amplifier is running the latest firmware version, and running a firmware update if a newer version is available.

To identify the firmware version of your Blaze PowerZone Connect amplifier and the steps required to make a firmware update, please read the document “PowerZone\_Connect\_Firmware\_update\_guide.pdf” found at: [www.blaze-audio.com/support](http://www.blaze-audio.com/support)

**Updating firmware is simple and only takes 2 minutes.**

## Features & Improvements in Firmware Version 1.2.0

- Speaker presets can now be generated, imported and exported. During export it is possible to choose exactly which parameters (equalizer, crossover, delay etc.) should be included in the preset, and which should remain protected. The speaker preset function is located under the output settings menu.
- An internal speaker library for storing speaker presets locally within the amplifier has been added. The speaker library is located under the general settings menu.
- All speaker related settings (equalizer, driver alignment, crossover etc.) are now contained within the new speaker preset function, located under the output settings menu.
- Several enhancements to EQ settings have been made, as outlined here (secton 1-5):
  1. Butterworth 36dB/octave and 18dB/octave high pass and lowpass filters are added to the crossover section for increased flexibility and compatibility with existing speaker presets.
  2. Low shelf 6dB/octave and High shelf 6dB/octave filter types are added to the EQ and speaker EQ sections for increased flexibility and compatibility with existing speaker presets.
  3. Low shelf 12dB/octave and High shelf 12dB/octave filter types are added to the EQ and speaker EQ sections for increased flexibility and compatibility with existing speaker presets.
  4. Low pass 6dB/octave and High pass 6dB/octave filter types are added to the EQ and speaker EQ sections for increased flexibility and compatibility with existing speaker presets.
  5. All Pass (1st order) filter type are added to the EQ and speaker EQ sections to complement the All Pass (2nd order) filter for increased flexibility with speaker and room tuning.

## Features & Improvements in Firmware Version 1.2.0 - continued

- The output limiter section has been improved with RMS limiters to complement the peak limiters. (Note: RMS limiters are most typically used to protect the connected loudspeakers from thermal overload).
- RMS limiter now adjustable in 70V and 100V mode.
- A switch is added to the speaker EQ settings to show the combined speaker EQ and crossover response.
- Each output now supports loading an FIR filter up to 512 taps (48kHz) to be included in the speaker presets.
- The output limiter section has been improved with Clip limiter disable. This is normally only used when designing subwoofer presets where the load is well known, and the designer adjusts the system to avoid overload.
- In addition to the Web socket API - Raw TCP sockets API is now added for systems supporting this protocol.
- WIFI client mode supported.
- Maximum Q of parametric, Notch, Lowpass and high pass filters changed from 10 to 30.
- Driver alignment enable switch default changed from enabled to disabled.
- Zone Compressor parameter hold time is added.
- Output limiter name changed from "Limiter" to "Peak limiter" (function is unchanged).
- (peak) Limiter maximum attack time changed from 50ms to 100ms.
- (peak) Limiter maximum release time changed from 1000ms to 2000ms.
- (peak) Limiter knee parameter is added.
- Equalizer name changed from "Equalizer" to "EQ".
- Other minor GUI changes and bug fixes.

Use the QR code to  
download the Firmware  
update file directly

