Integrator Series

ELAC The life of sound.

Integrator Series: Multichannel amplifiers

Integrator

INTEGRATOR SERIES AMPLIFIERS

POWERFUL INTEGRATION, REINVENTED

Elac's multi-channel amplifiers provide full matrix capability, any input to any output. Discrete Class D amplifiers ensure robust power even under the most demanding loads. Unique assignable outputs allow for the easy addition of powered subwoofers and amplifiers to multiple zones.

Each ELAC Multi-channel amplifier uses a modular design and efficient Class D amplifiers available in 8, 12, and 16 channels. Each channel features Elac's advanced DSP that allows for great flexibility when setting up each zone. A full Parametric Equalizer can be used for each output or simply use one of the presets for ELAC speakers to simplify the setup. An intuitive WEB GUI allows for easy setup and tuning of the amplifier.

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AMP8100 - AMP1275 - AMP1650

ELAC recognized an opportunity to deliver multichannel amplifiers with features that were not available from other manufacturers.

The addition of multichannel amplifiers to the ELAC ecosystem was a natural progression of our engineering direction. They compliment all of the existing products, as well as create a unique level of flexibility for an integrator.

ELAC has created a series of 8, 12 and 16 channel amplifiers to fit any project.

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Our background is in Hi-Fi audio.

Our custom designed amplifiers are engineered with the needs of CI in mind.

Elac's multi channel amplifier is an advanced architecture to allow flexibility and continuous safe operation.

As many as 10 micro-processors, 3 DSP, 10 thermal sensors and many GPIOs working to maintain and respond to any situation.

Each zone has 16 bit micro-processors to monitor voltages, current and temperature.

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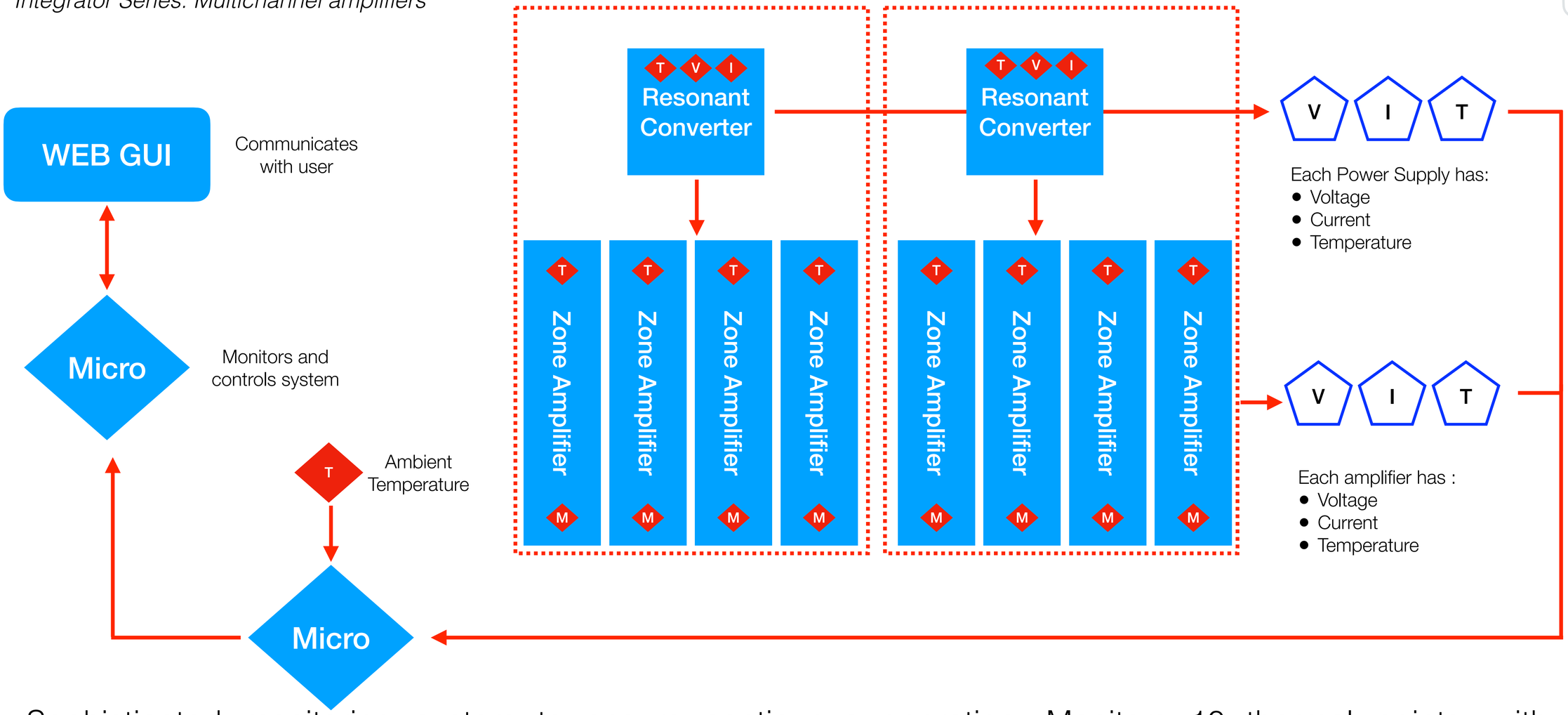

Sophisticated monitoring system to ensure continuous operation. Monitors 10 thermal points, with 10 Microprocessors, 3 DSP and 1 CPLD to provide a rich reliable experience

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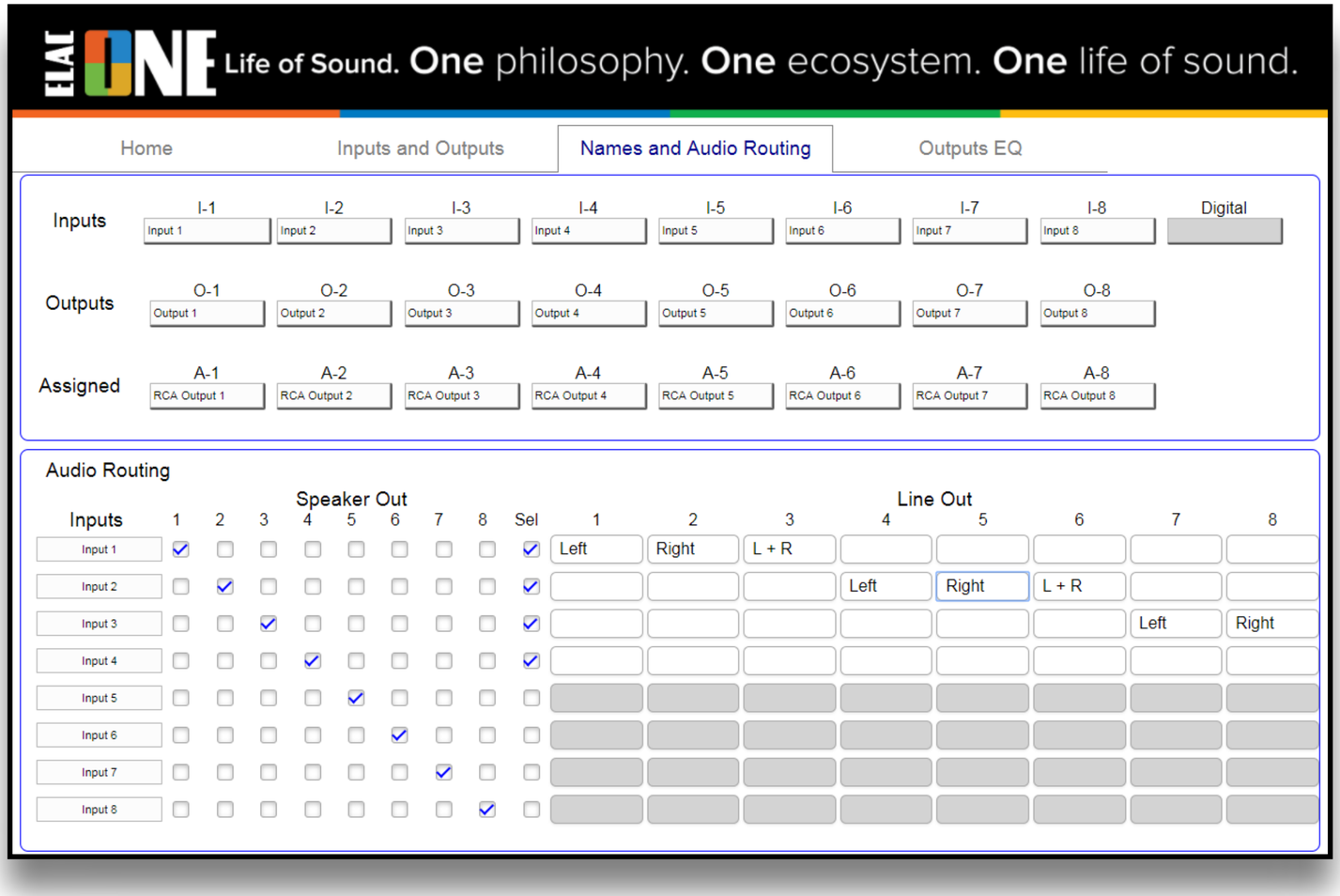
All of our DSP multi-channel amplifiers feature assignable outputs:

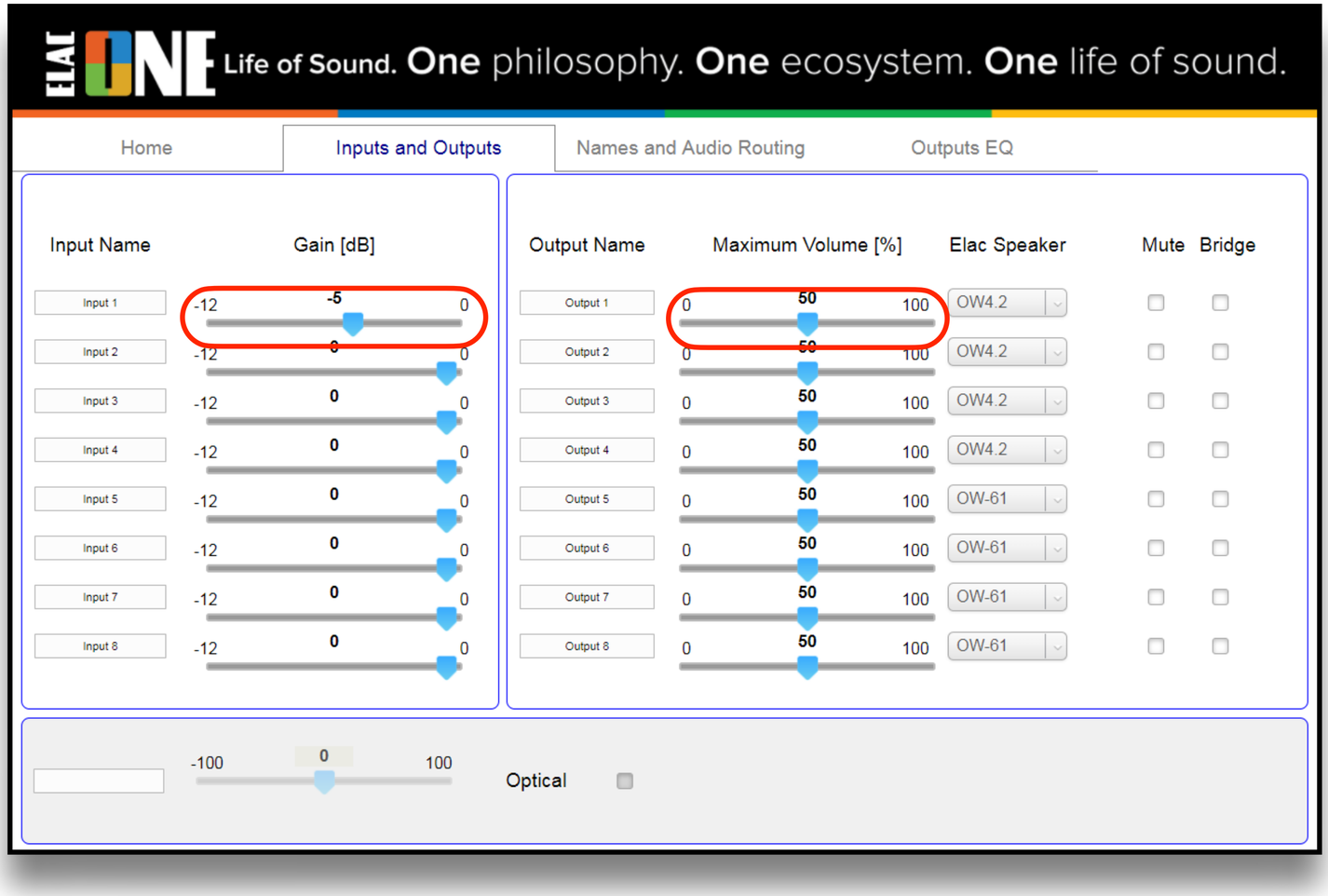
8 channel - (4 assignable outputs)
12 channel - (8 assignable outputs)
16 channel - (8 assignable outputs)

Power a room of in-ceiling speakers with the built-in amplifiers and assign one of the outputs to a powered subwoofer in the same room. You can even apply high-pass filters to the in-ceiling speakers.



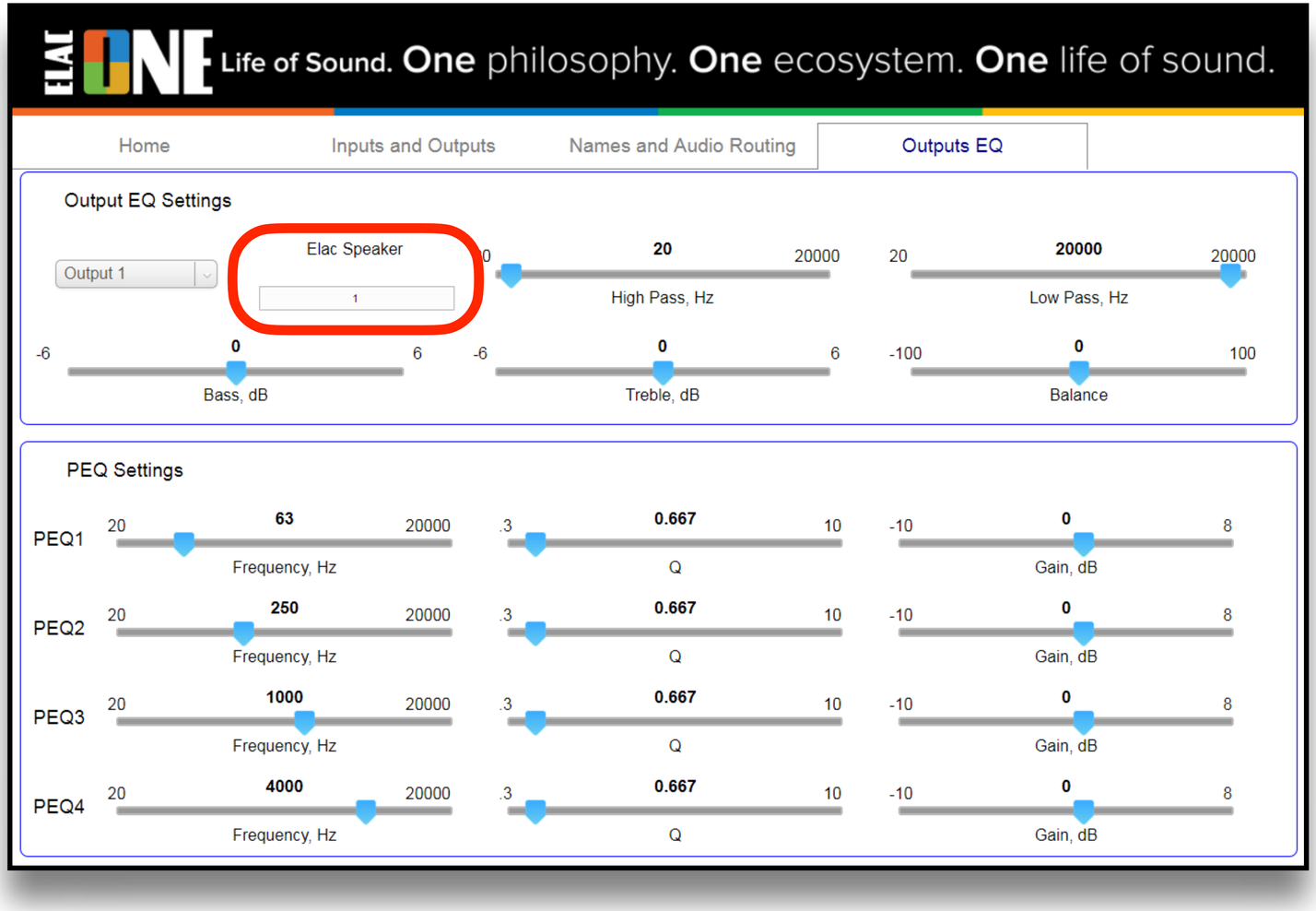
Our advanced DSP provides full audio matrixing, allowing any input to output.

The assignable outputs are part of the overall matrix. For example, subwoofers can be combined as part of the matrix to compliment any given zone.



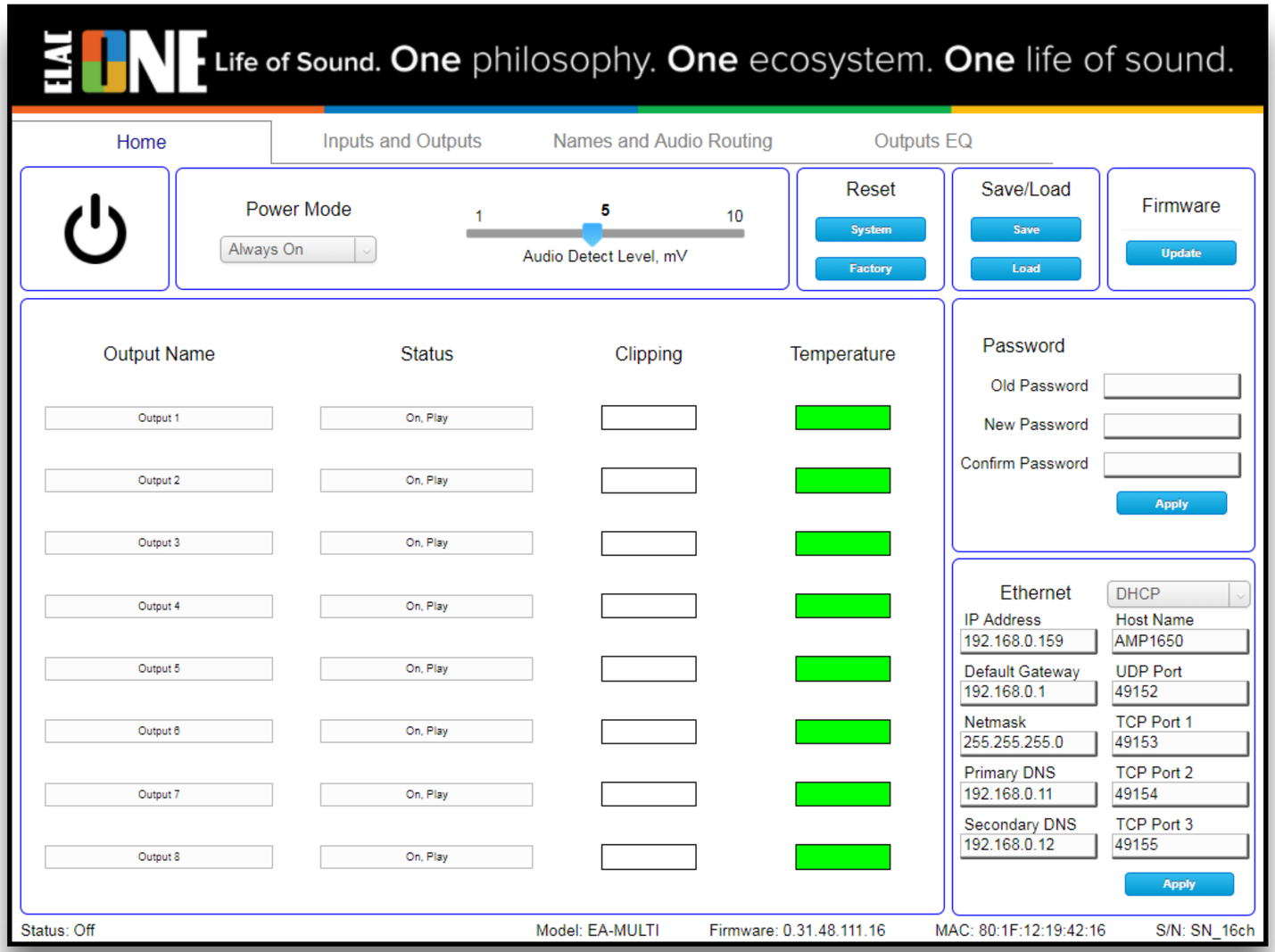
Input and output level matching is done in real time. No save is required.

The amplifiers can also be bridged.



All of the DSP amplifiers contain preset configurations for all ELAC in-wall / in-ceiling speakers to maximize their sonic performance.

Simply use the drop down menu and choose the model.



interface will display the status of the amplifier. The amplifier is constantly monitored to ensure everything is functioning within the design parameters.

All easily configured by our Password Protected Web based GUI.

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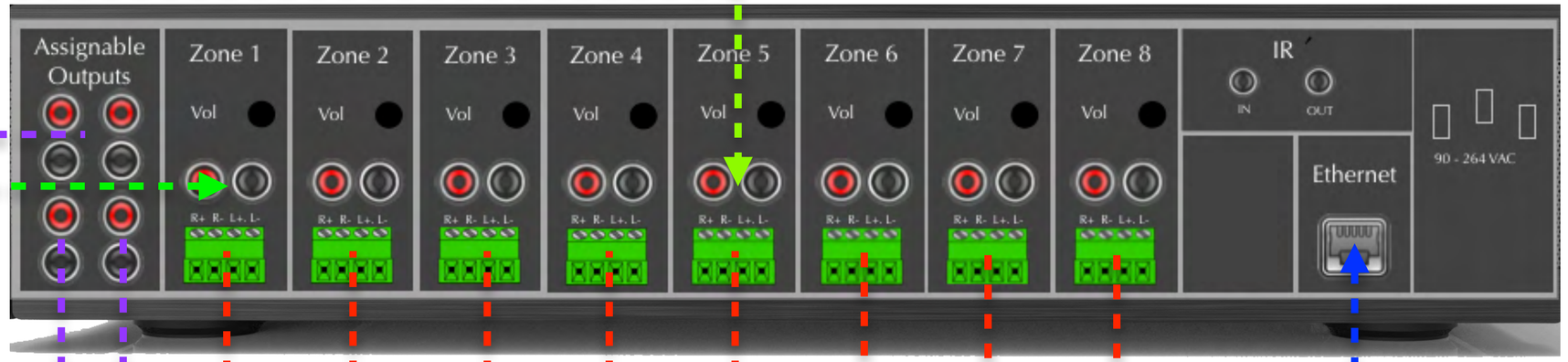

Additional Multichannel Amplifier

IC-V31-W

IW-V61-W

IC-V61-W

DB62-BK

IC-V61-W

OW-VD41

SUB3010-BK

Additional Outdoor Zone

Outdoor Zone Subwoofer

Outdoor Zone to 70V Amplifier

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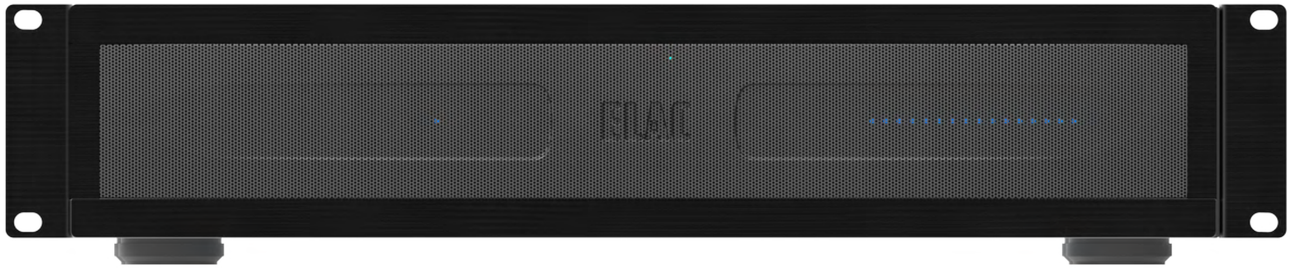

- 2 RU rack mount
- Power by model
  IS-AMP8100: 8 channels at 100 watts
  IS-AMP1275: 12 channels at 75 watts
  IS-AMP1650: 16 channels at 50 watts
- Web GUI interface
- 12 volt trigger in / out
- RS232 control
- Third party control
- Full matrix capability
- Additional assignable outputs
  IS-AMP8100: 4 additional outputs
  IS-AMP1275: 8 additional outputs
  IS-AMP1650: 8 additional outputs

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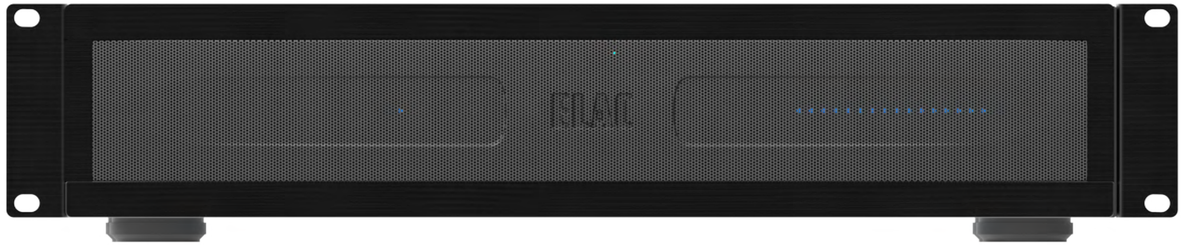
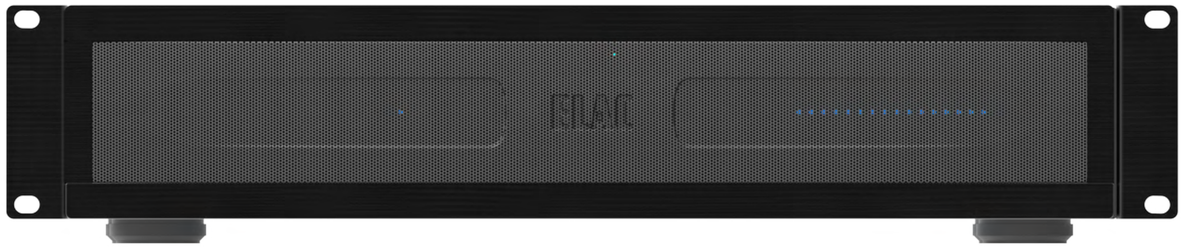
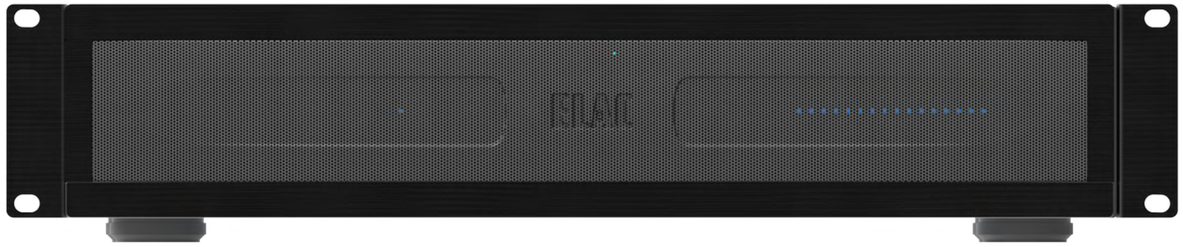


IS-AMP8100, 8 Channel Amplifier



IS-AMP1275,12 Channel Amplifier



IS-AMP1650, 16 Channel Amplifier

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Connecting a Powered Subwoofer to Assignable Outputs

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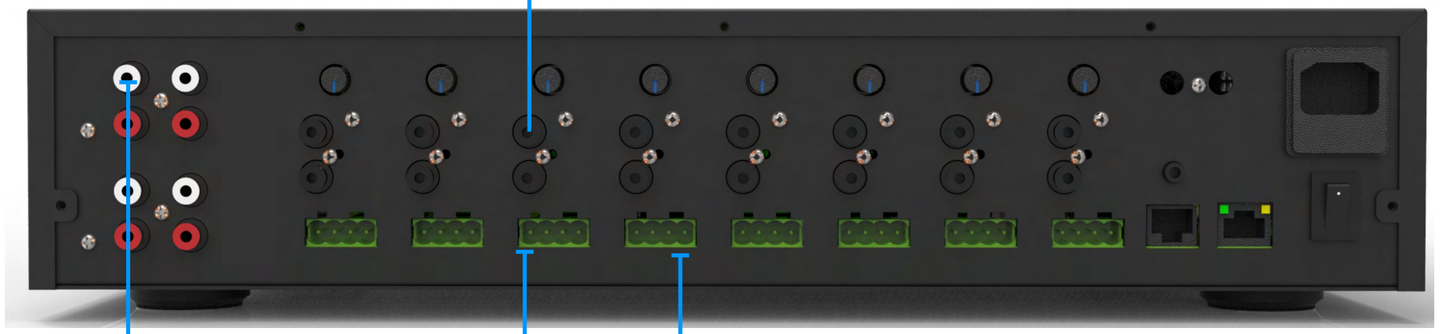
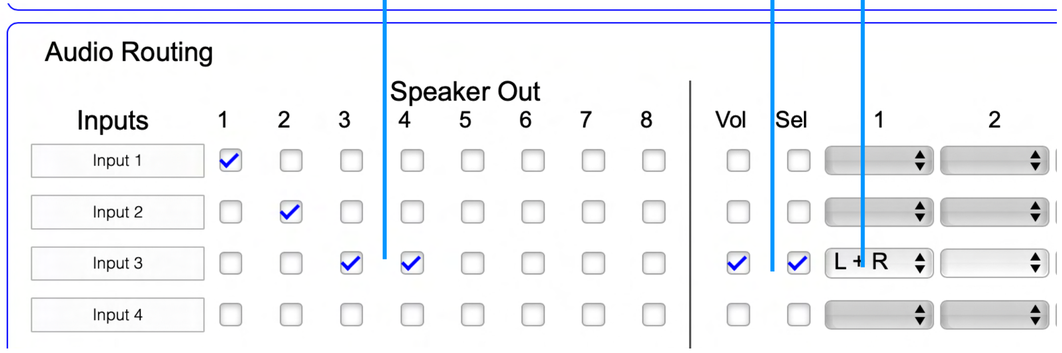
In this scenario we have an input on Input 3



Input 3 will play on Output 3 and Output 4

L+R of input 3 is summer and sent to RCA output 1

Volume is synchronized and selected



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Connecting a Passive Subwoofer

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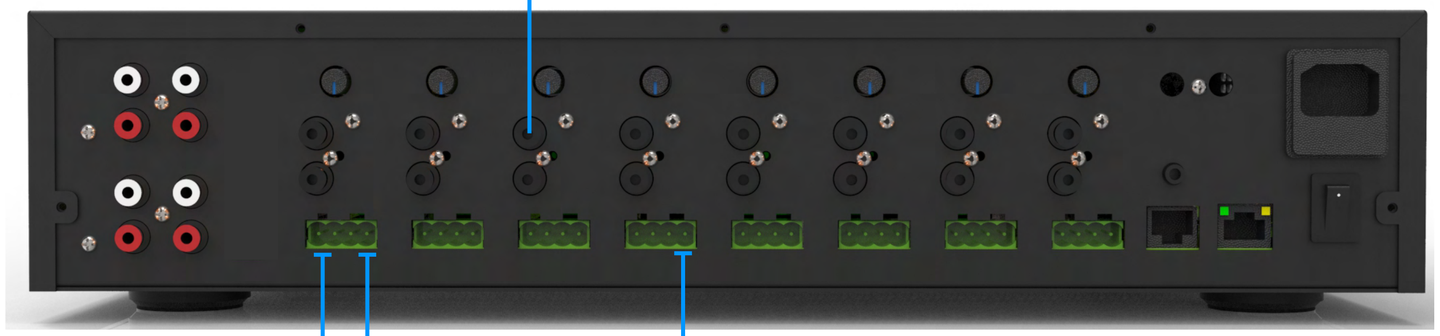
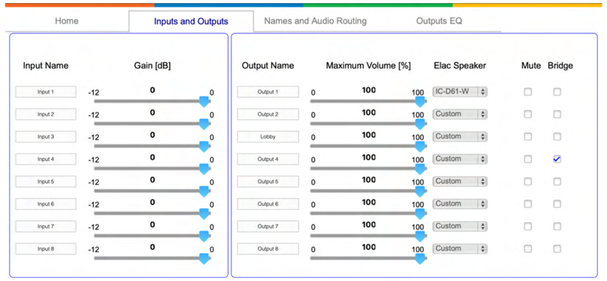
In this scenario we have an input on Input 3





Input 3 will play on Output 1 and Output 4. Output 4 is bridged and used for passive subwoofer

At Eq and PEQ to output 4. In this case 45 to 150 Hz with some PEQ at 63 and 80 hz.

No selection made