New Speaker Setup 2021

New functionality has been added to the speaker setup of the multichannel processors.

- Bi-amping is now available for all speakers.
- Crossover functionality is available for bi-amped outputs.
- Speaker and Sub EQ functionality has been added.

Updating from a previous version

When updating from a previous version of the software, your speaker setup will not change, and everything will work as usual. When changing the speaker setup using the new software version, most speaker setups should also work as previously. There are some special setups, however, where allocation of outputs might change, so if you make any changes to the speaker setup, make sure to check, that the outputs still match your wiring.

As usual, any changes in the speaker setup will require you to run RoomPerfect measurements again to ensure everything is correct.

Bi-amping and crossovers

The bi-amping function makes it possible to use an extra output for each speaker. By enabling the Biamping checkbox for a speaker, the signal for that speaker will be copied to an additional output. This option is only available in the settings if enough outputs are unused.

You will have the option to apply a separate gain as well as amplifier delay for the bi-amped output if necessary. In addition, the two outputs can have separate EQs (more on the EQ function later).

Once bi-amping has been enabled, you will also get the option to apply a crossover filter to each output. There is a list of crossover types for each output (low pass or high pass as well as the order of the filter) and once a type has been selected, you can enter the frequency for the crossover filter as well.

Note: The crossover function has nothing to do with the bass management cutoff frequency, which is applied on a channel level, so any cutoff will be applied before the bi-amping splits the channel into two outputs and thus will affect both outputs. The selected crossovers, if any, are then applied to each of the two outputs.

Speaker and Sub EQs

For each speaker and sub output there is now the option to apply an EQ to the signal. The EQ can be chosen from a dropdown list and new EQs can be added to the list as well. There is one list of EQs for speakers and another list for subs. The "Neutral" option is the default and will not apply any EQ curve to the output.

For speakers, the EQ list includes a list of standard Lyngdorf Audio speakers. If you are using a Lyngdorf Audio speaker, choose it in the list, and the software will choose the most appropriate EQ for that speaker (which might still be Neutral for some speakers).

For other speakers or subs, you can add a new EQ to the list. This will open an EQ-editor, which is very similar to the existing voicing-editor, where you can edit the filters for the EQ and give it a suitable name. Once saved the EQ will appear in the list for other speakers or subs (depending on whether you were adding a speaker or sub EQ).

On the web interface, there is also an option to upload and download the EQs. This will allow you to download a file with the contents of an EQ, which can then be uploaded to another processor or amplifier.

Note: EQs are saved with the speaker setup, so they are not saved until you save the setup. If you have added or edited an EQ and then choose "Cancel" for either the speaker being edited or the speaker setup as a whole, EQ changes are discarded as well.