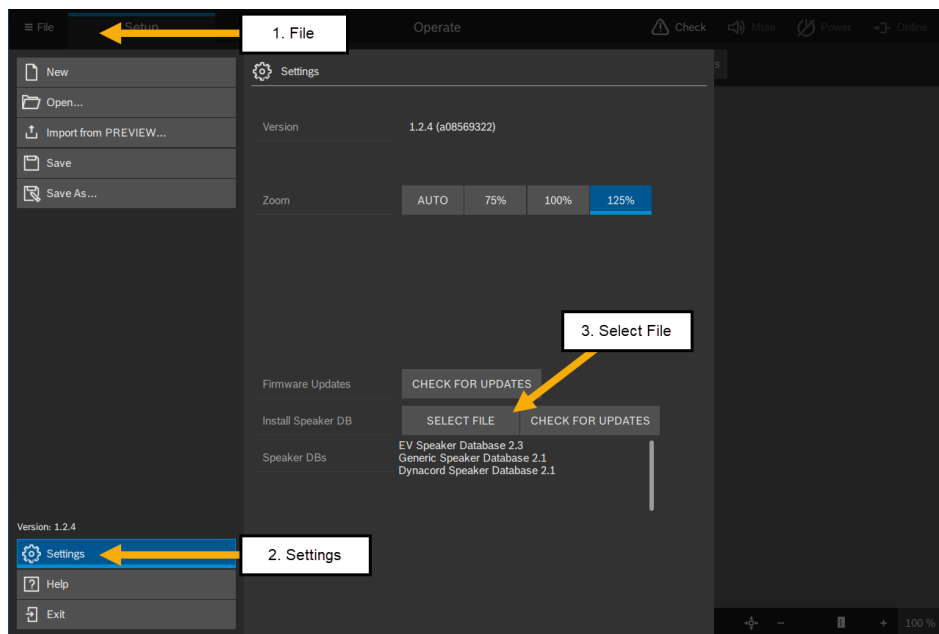


# Preset documentation Dynacord

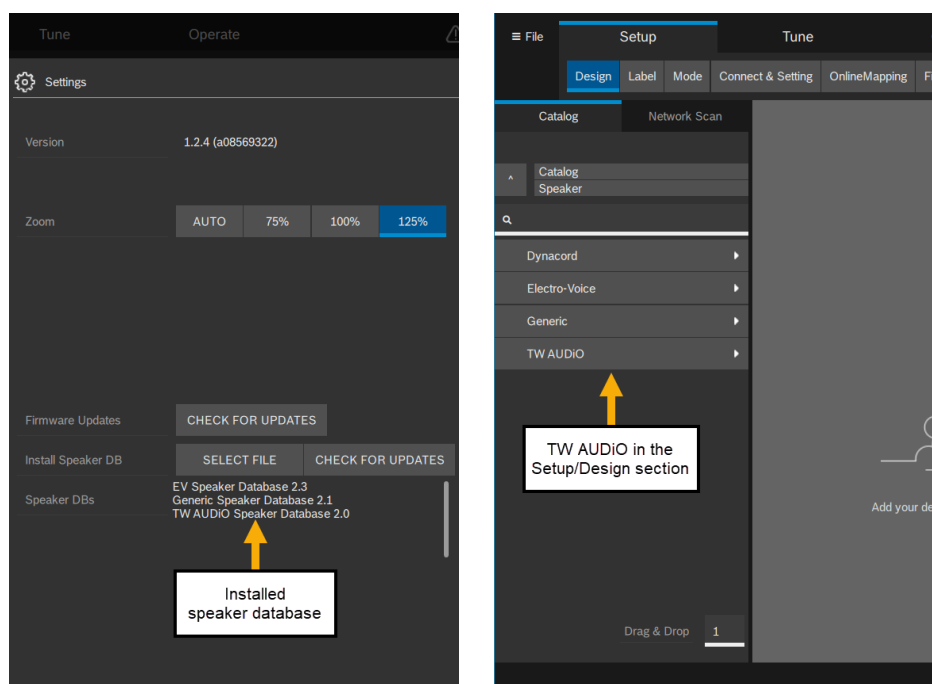
Please follow this guide to use the settings for TW AUDIO loudspeakers on Dynacord TGX and IPX series amplifiers. The files were created with SONICUE v1.2.4.

## Loudspeaker database implementation

Open Sonicue and navigate to File/Settings. In the section “Install Speaker DB”, you can select the preferred .sdb database file and add it to your software.

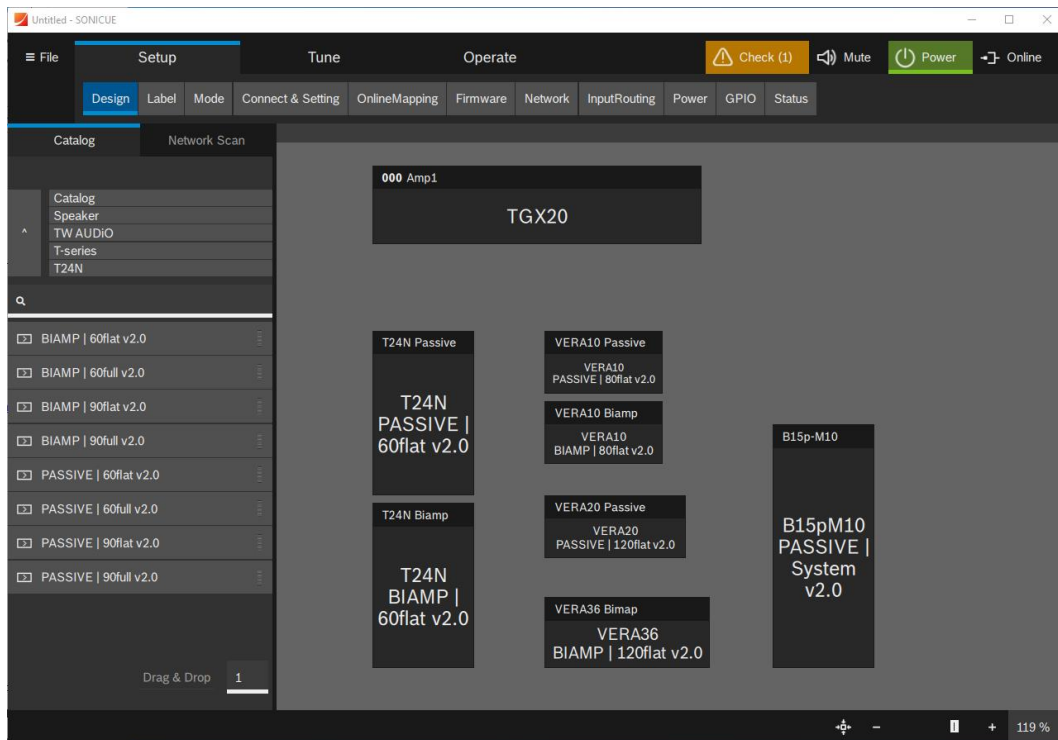


The installed database is shown in the listing and in the Catalog of the Setup/Design section there is the TW AUDIO brand.



## Top loudspeaker preset container handling

There are three types of containers for top loudspeakers: single-channel passive tops (e.g. T20, M-series), dual-channel biamp loudspeakers (e.g. VERA36) and single-channel passive systems (e.g. B15p and M10).



The channels are named accordingly: FR – full range, HF – high frequency and LF – low frequency.

Since single-channel passive top loudspeakers are electrically patched to pair 1+/-, it is recommended to connect their settings to odd amplifier channels. This approach results in a convenient wiring with the output patch panels of the TW AUDiO amplifier racks.

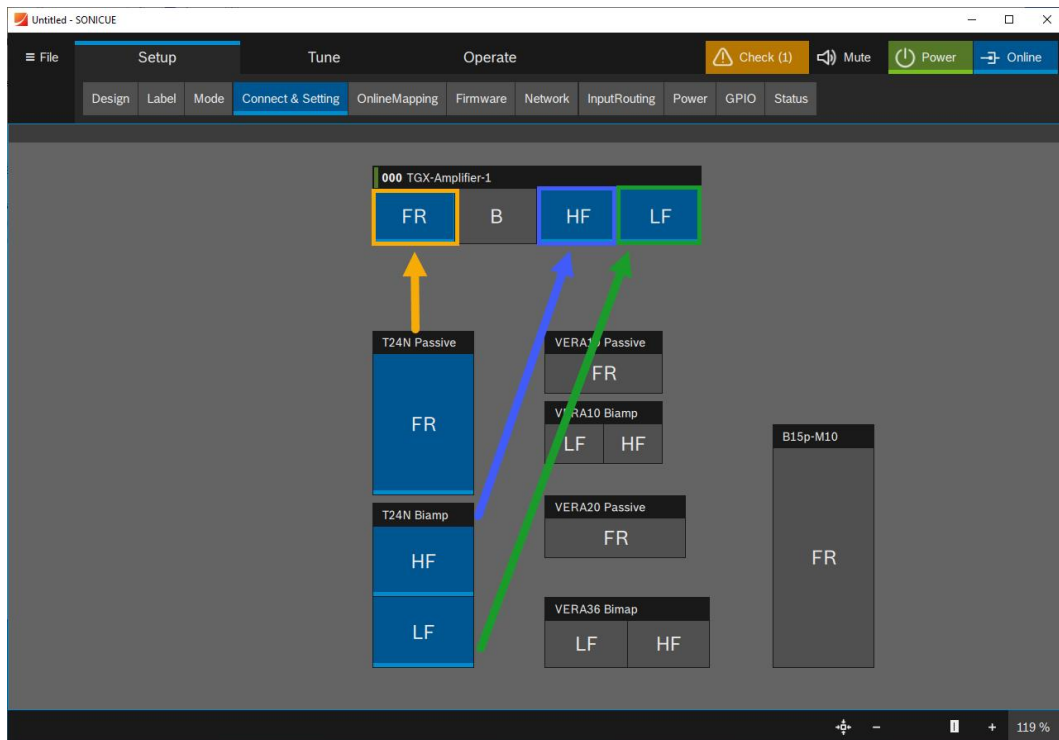
**Note:** An additional swap cable may be needed if you are using the biamp output connector of the amplifier or patch panel. Please contact the TW AUDiO support department for further documentation about setup and wiring.

The high frequency drivers of dual-channel biamp top loudspeakers are connected to pair 1+/- and low or mid frequency drivers to pair 2+/- . Therefore, it is recommended to connect the settings of the HF section to odd amplifier channels and settings of the LF section to even amplifier channels. Use the biamp output of the patch panel of the TW AUDiO amplifier rack.

**Note:** Some products offer a passive and biamp operating mode, e.g. T24N, C12, C15, VERA10. Be sure to select the correct preset for your preferred configuration to avoid damage!

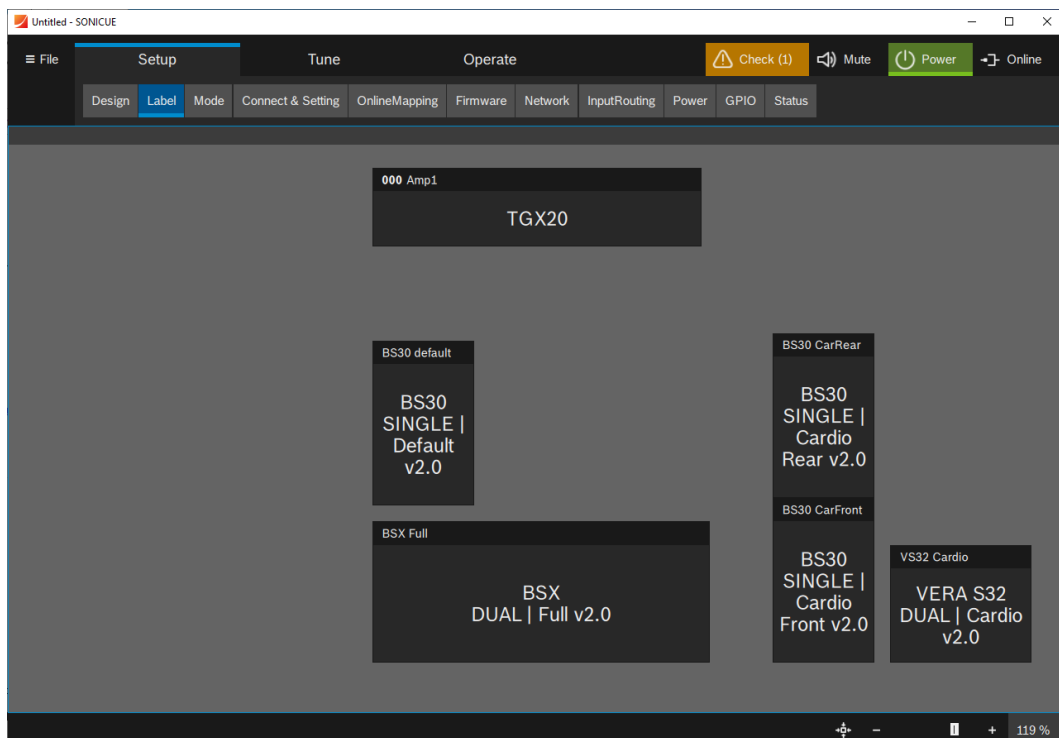
Single-channel passive systems consist of a top loudspeaker and subwoofer whose operating frequency ranges are defined by an internal passive crossover, typically in the subwoofer.

**Note:** To ensure a safe and correct operation of these configurations, the settings on the panel of the passive crossover may need to be adjusted. Please contact the TW AUDiO support department for further documentation about setup and wiring.



## Subwoofer preset container handling

Three preset containers for subwoofers are available: single-channel passive subwoofers (e.g. BS30), dual-channel biamp subwoofers (e.g. BSX) as well as dual-channel biamp directional subwoofers and directional subwoofer setups (e.g. VERA S32, BS30-Cardio).



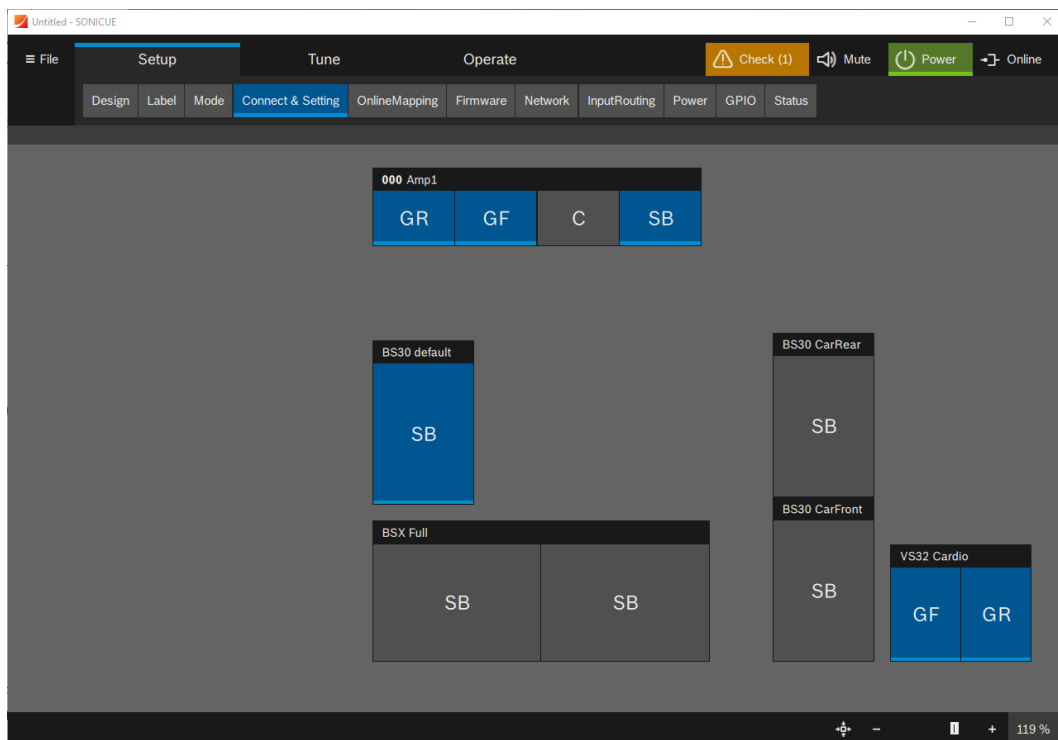
The channels are named accordingly: SB – sub bass, GF – gradient front and GR – gradient rear.

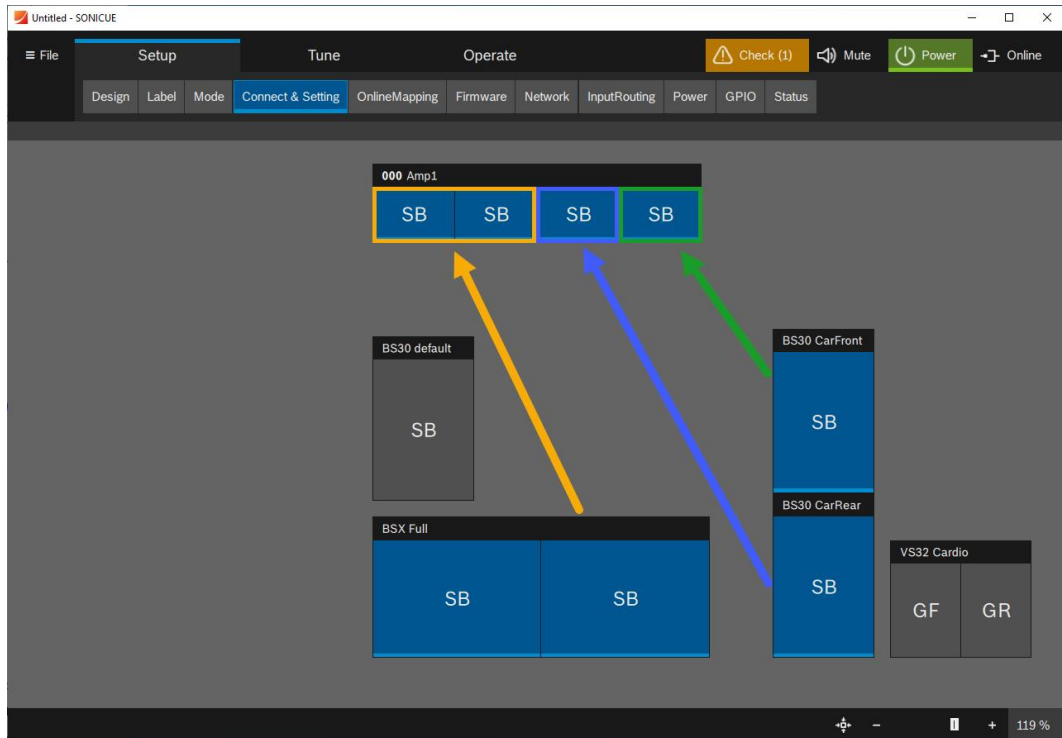
Since passive subwoofers and front loudspeakers of directional dual-channel biamp configurations (e.g., VERA S32) are electrically connected to pair 2+/-, it is recommended to connect the settings of these units to even amplifier channels and settings of rear-facing units to odd amplifier channels. This approach results in a convenient wiring with the output patch panels of the TW AUDiO amplifier racks. For a flexible setup and modification of directional subwoofer configurations consisting of multiple units of individual single-channel passive subwoofers, there are individual containers for each parameter set that must be patched separately.

**Note:** Separate containers are available for rear-facing units of gradient stack configurations, labeled “Rear” in the Sonicue loudspeaker catalog. Please contact the TW AUDiO support department for more information on setup and cabling.

**Note:** An additional pin-swap cable may be required to wire the gradient subwoofer stack. Please contact the TW AUDiO support department for more information on setup and cabling.

For dual-channel subwoofers (e.g. BSX), both channels of the dual-channel container must be connected to separate amplifier channels.



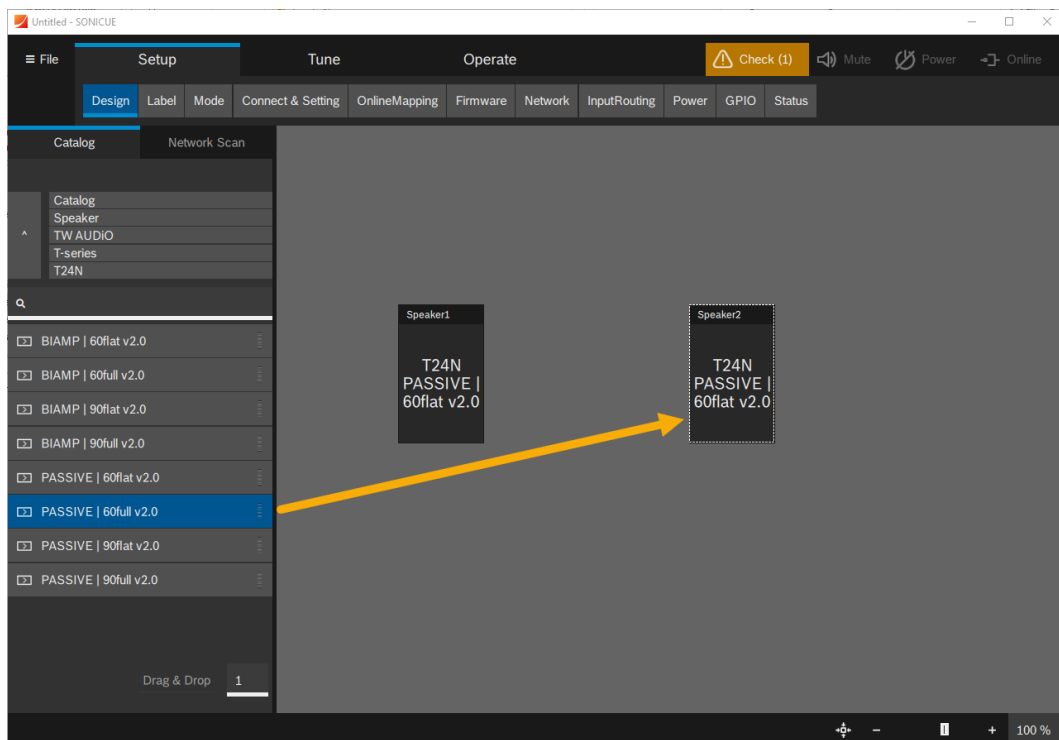


## System setup

The following procedure explains how to build a system file in Sonicue based on a PASYSONE system.

Depending on your needs, you can extend the structure. We recommend to keep the basic structure of the group design for each system configuration, as it allows an easy and quick adjustment and measurement process afterwards.

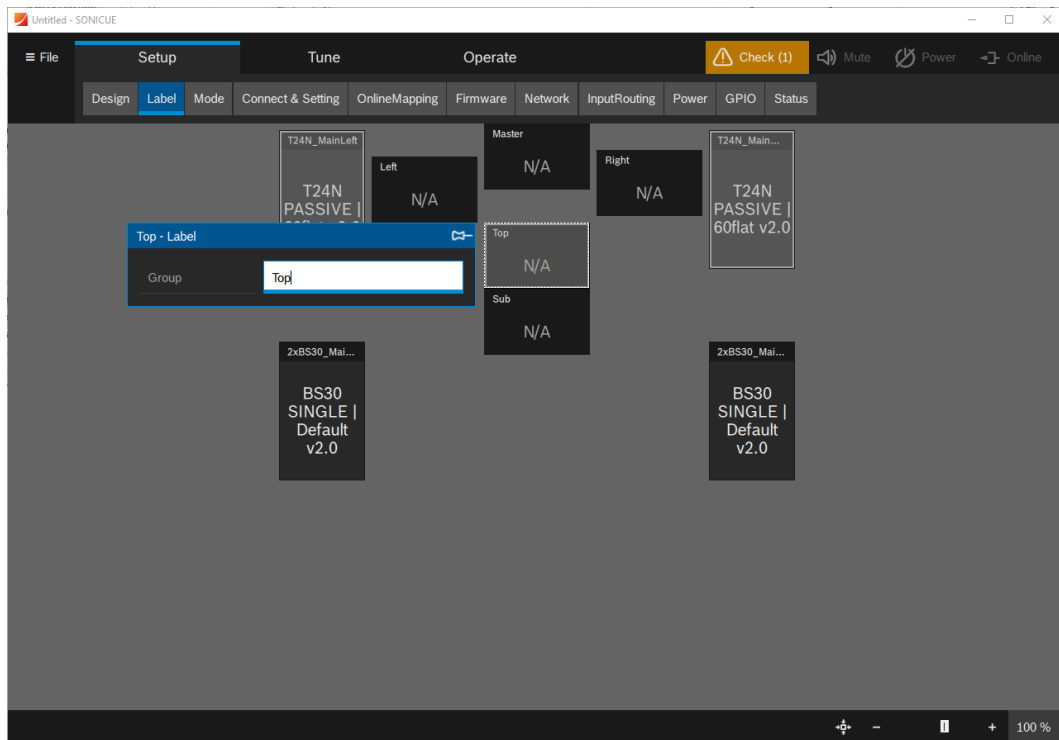
1. Add your preferred loudspeaker and amplifier containers in the Setup/Design section by dragging and dropping the items into the workspace.



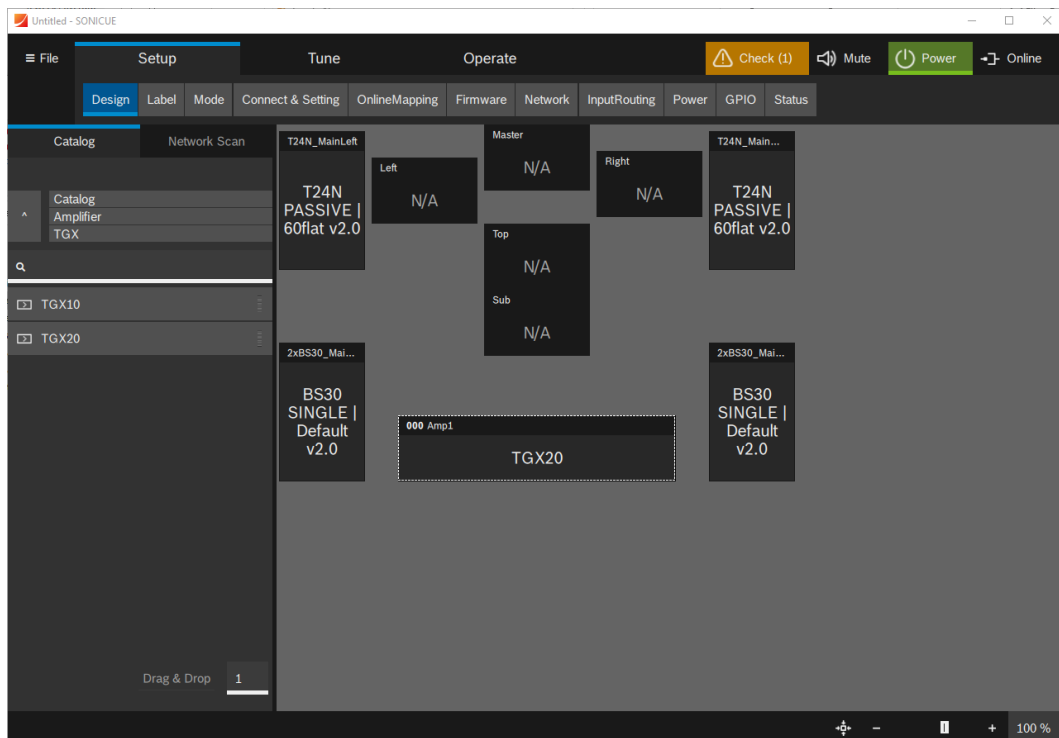
2. Adding groups to your system configuration makes it easier to operate your system later.

First, add a Master, Left, Right, Top and Sub group. This arrangement is also a good starting point for larger system configurations.

You can add a group by selecting the containers. “Group” is displayed in the flyout menu. All selected containers are added to the group. All groups and containers can be labeled accordingly via the Setup/Label menu.

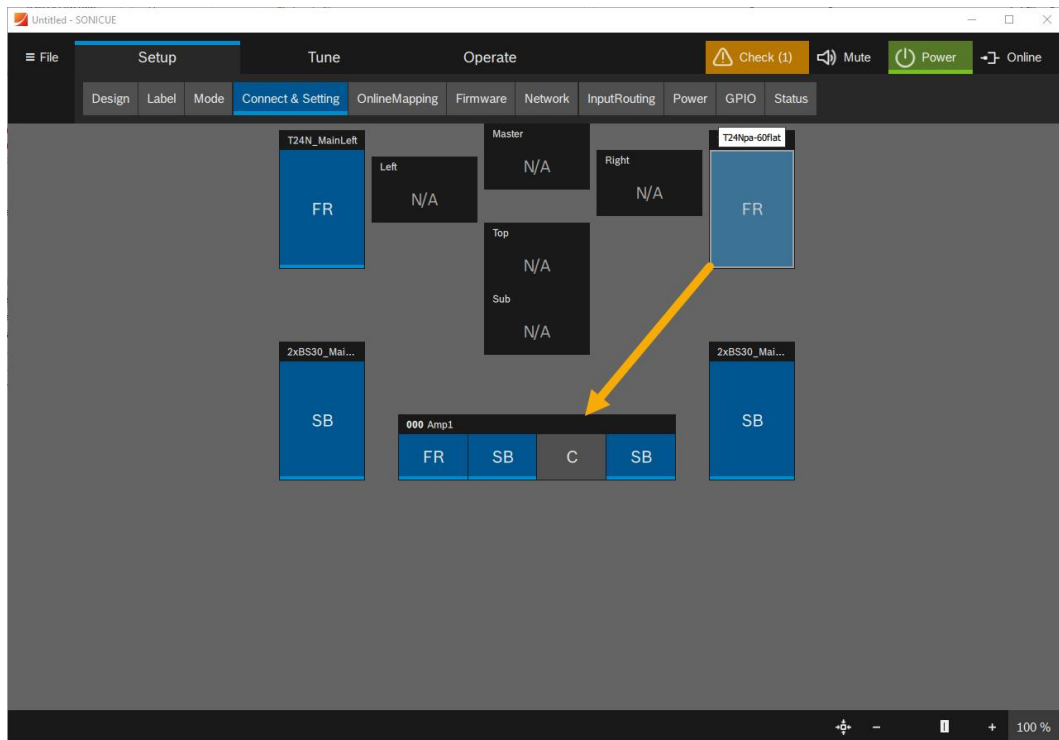


3. The final design might look like the one in the picture below.

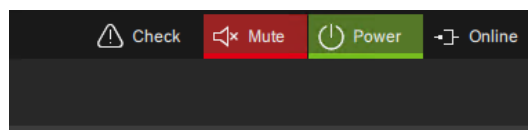


4. Go to Design/Connect & Setting to connect the speaker containers to the amplifier channels. First click on the speaker container and then on the desired amplifier channel to connect the pair. You can see the channel configurations by hovering over the containers.

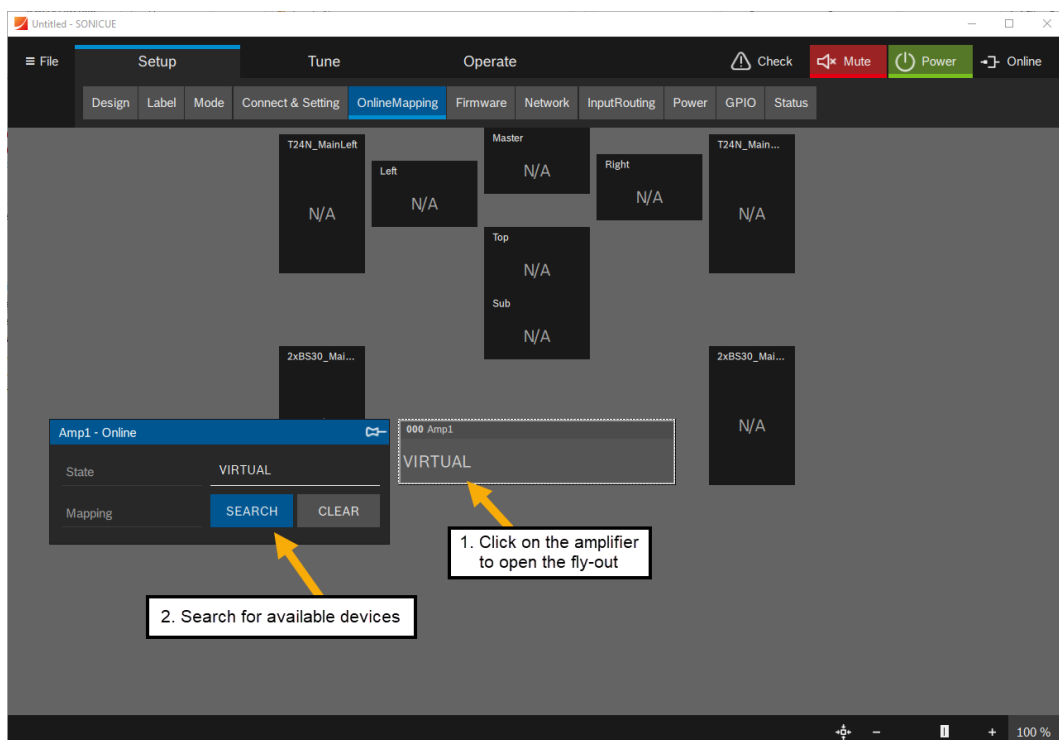
**Note:** Make sure that the output signals are routed correctly. Wrong routing can destroy your loudspeakers!



- Before going online with the physical amplifiers, we strongly recommend to mute all output channels using the global mute button at the top right of the program window. It will be highlighted in red when the outputs are muted.



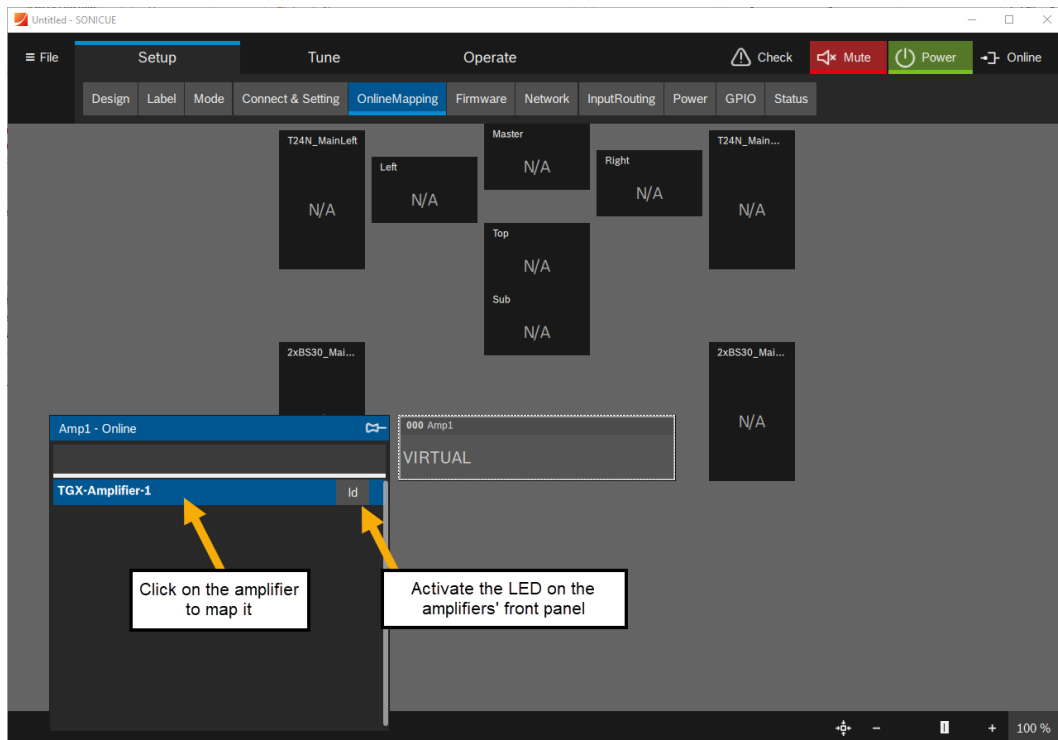
- Go to Setup/OnlineMapping to map the virtual amplifiers to your physical amplifiers in the network. Click the virtual module in the program window and “Search” for connected devices.



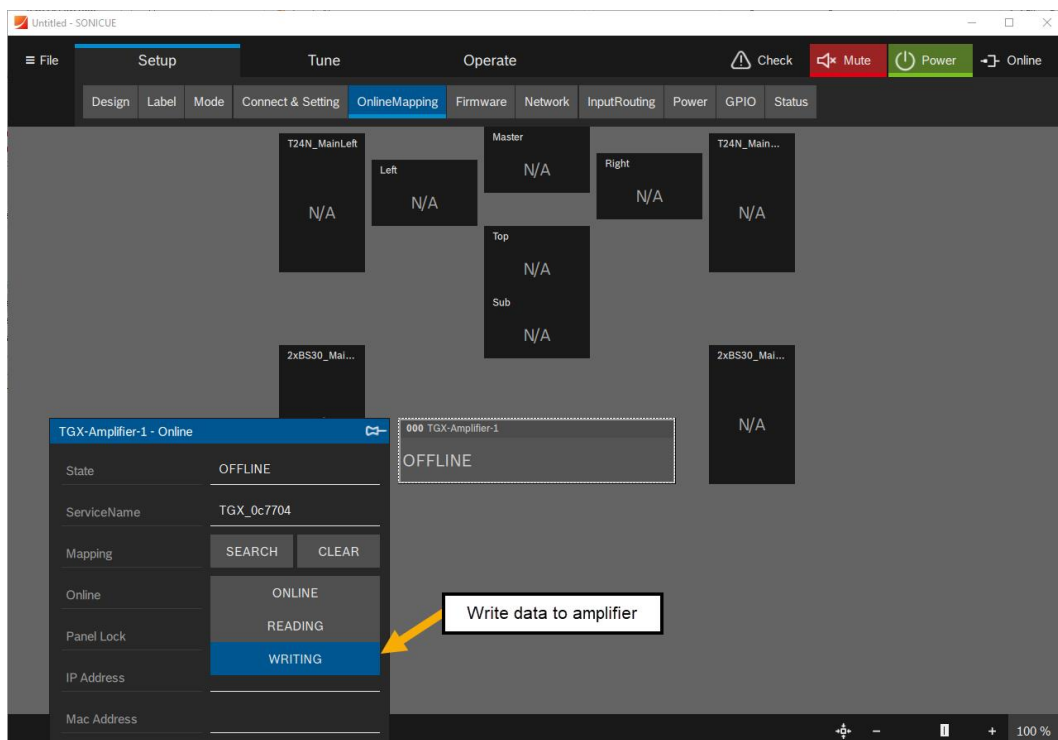


- A list shows available devices. Click on your preferred amplifier.

**Note:** You can turn on the identification LED on the front panel of the amplifier by clicking the Id button on the right side.

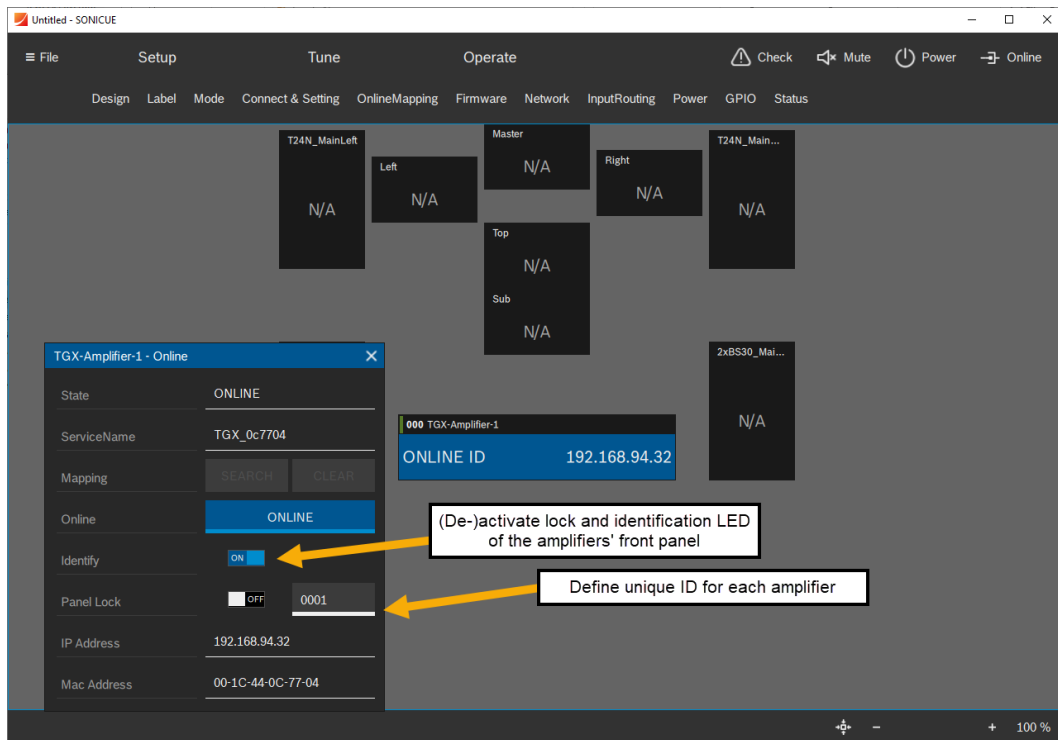


- In the next window, go online and “Write” the data to the device.

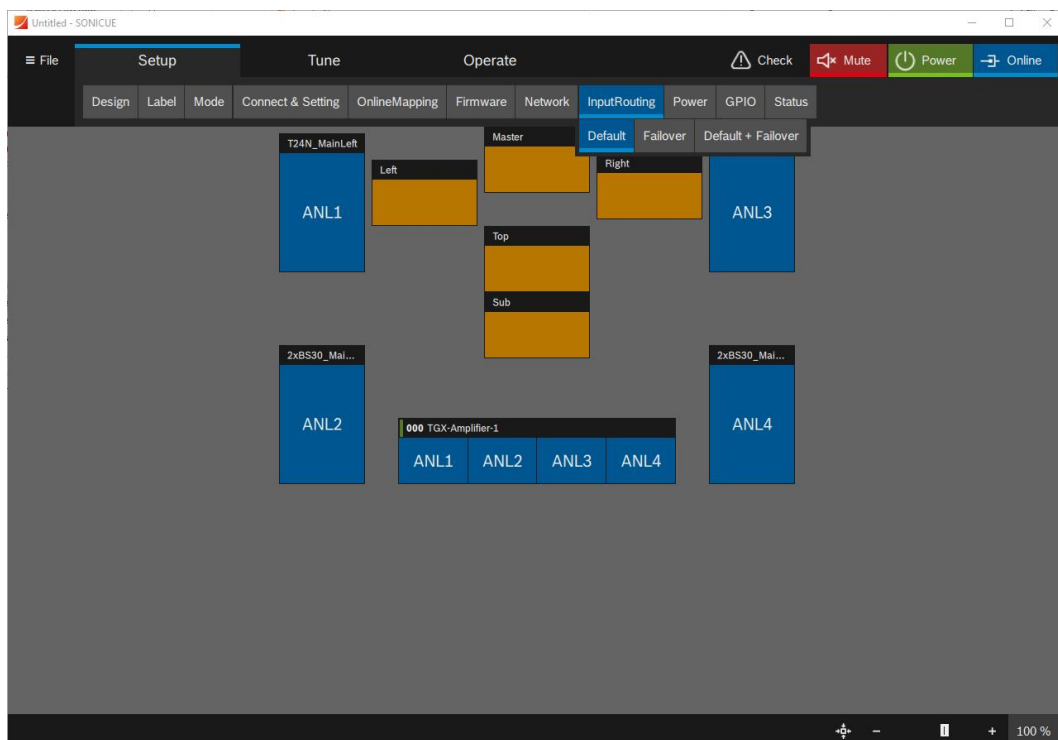


- The online amplifier gets a blue background and shows its IP address. For more information on configuring an amplifier network, refer to the corresponding software documentation.

**Note:** In the fly-out menu you can (de)activate the lock and identification LED of the amplifier front panel. It is also recommended to define a unique ID for each amplifier in a system design, here 0001.



- Go to Setup/InputRouting to set the input configuration. The control panel shows the inputs routed to the amplifier channels, groups and loudspeaker containers. Inconsistencies are displayed in orange.



- By clicking on one of the icons, you can route the desired input. We assume that the left signal of a stereo input signal is connected to input Analog 1, and the right signal to input Analog 2.

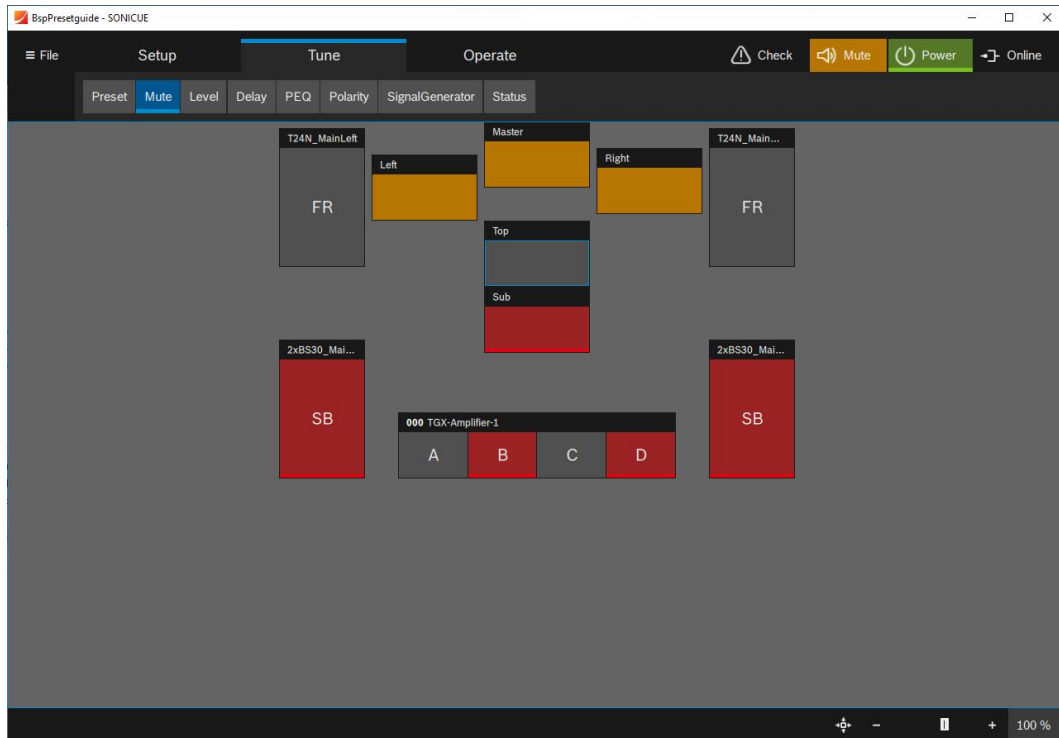
By clicking on the left and right subgroups, you can conveniently select all speakers to be fed by an input signal. When you click on a group, a fly-out menu appears.

The first picture below shows an input inconsistency in the subgroup Left, which can be reset by clicking on the orange banner. Then the preferred input router can be set, as shown in the second picture for the subgroup Right.



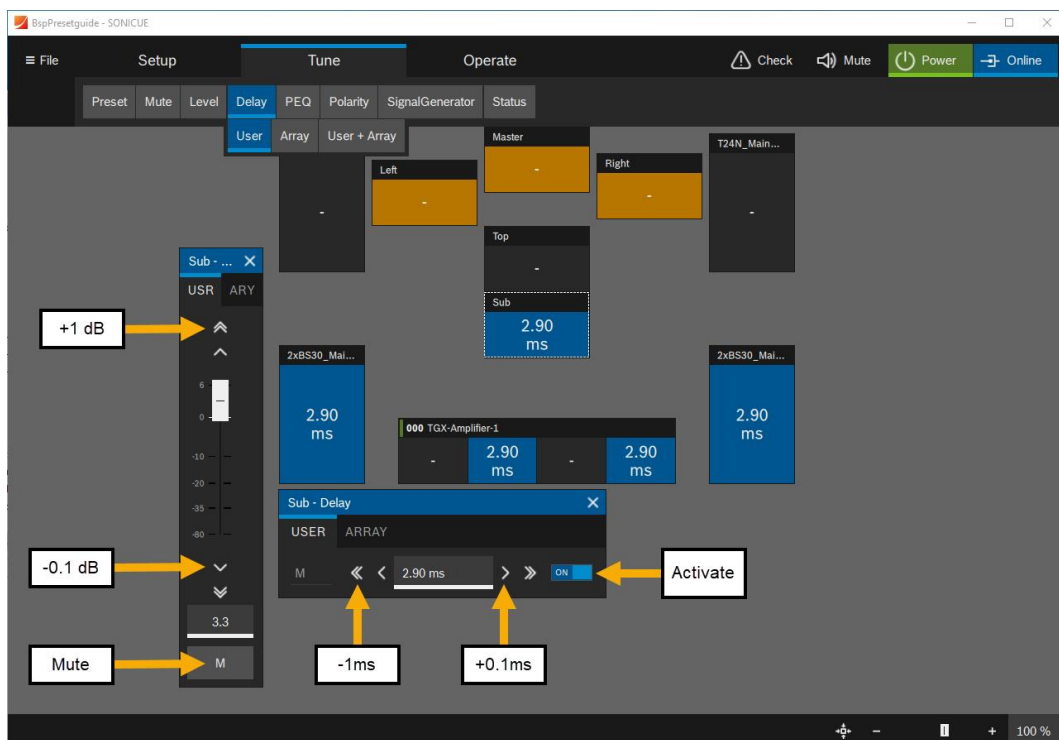
12. In the Tune/Mute section you can either mute the amplifier channels individually or a part of the entire system.

Muted elements are highlighted in red. Inconsistencies are displayed in orange.



13. By clicking on a container or group in the Tune/Level and Tune/Delay sections a fly-out appears in which the parameters can be changed in different resolutions.

The parameters are displayed in the corresponding loudspeaker containers and amplifier channels. Inconsistencies are indicated with orange background.



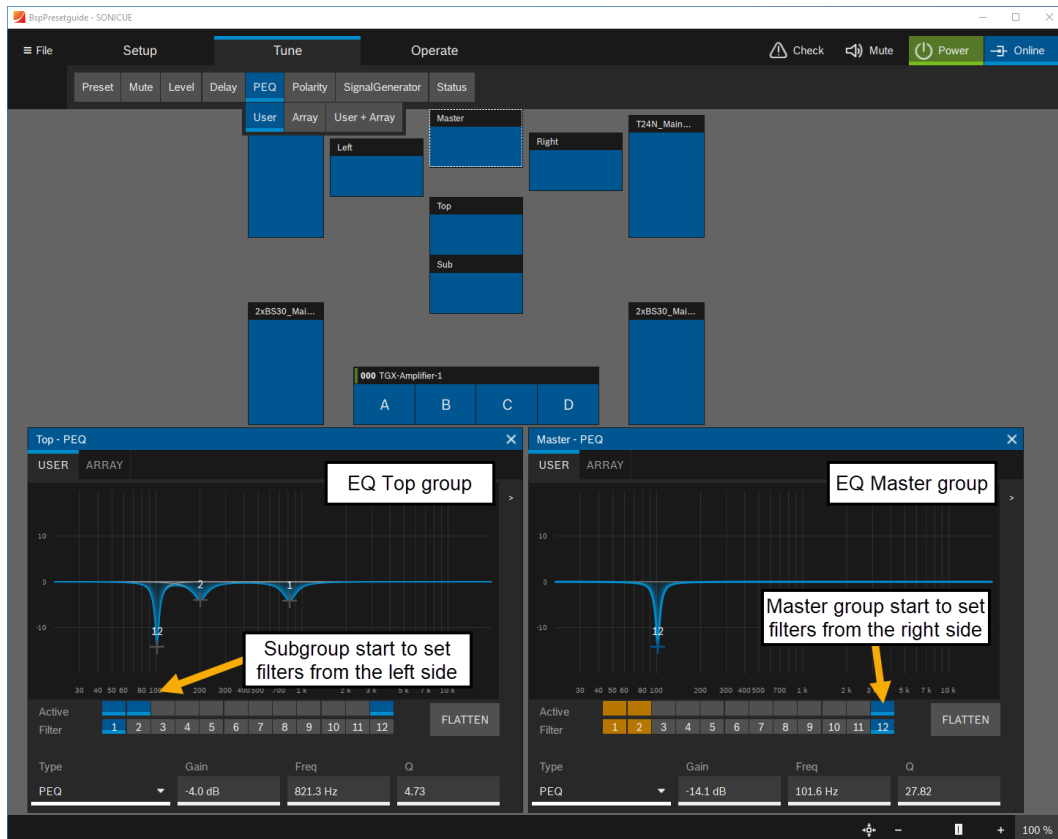
14. 12 user and 5 array filters can be set for each amplifier channel.

It is not possible to set the same filter in multiple groups for the one amplifier channel. It is therefore recommended to set filters for subgroups or single loudspeakers, e.g. Top, Sub,

Front Fill, starting from filter no. 1. The filters in the Master group may be set from filter no. 12 and lower.

**Note:** Inconsistencies due to different loudspeaker group assignments are displayed in orange. Inconsistencies are not shown in the EQ response.

**Note:** Resetting filters that are marked as inconsistent will set the filters in all assigned containers to the new settings!



## Further information

For further information about the workflow in Sonicue, see the product-related documentation and [tutorial videos on YouTube](#).

For further information on the preset structure and system setup of loudspeaker systems with TW AUDIO loudspeakers, please contact the [TW AUDIO support department](#).