

TW AUDiO ELLA6 speaker presets

This document provides you with the details about new release of TW AUDiO ELLA6 and ELLA L18 presets for Powersoft X-/ Canali-/ T-Series and Lab Gruppen PLM / PLM+.

Due to its internal passive lowpass filter, the ELLA L18 matches to ELLA6 phase and frequency response in its working range. Therefore, ELLA L18 and ELLA6 can be connected to the same amplifier channel and generally use the same ELLA6 preset.

Release notes

The presets are optimized for an array of six modules ELLA6 per side. Depending on the amplifier platform which is used, the presets contain preconfigured filters, either additional overlay EQs (LAB Gruppen Lake Controller) or manufacturer EQs (Powersoft ArmoniaPlus).

TW AUDiO provides full and cut presets that should be applied on top elements accordingly when used as stand-alone, fullrange system or as top-sub setup.

TW AUDiO recommends standard setups of three or six elements per side. Depending on the length and angling technique of the array, an accurate EQ and low-mid coupling filter should be applied. For this purpose, C3 and C6 presets have been designed to provide a standard base for further array optimisation. The filters correct the natural low-mid build-up caused by an increasing length of the array. The numbers give an orientation for the number of low frequency drivers within an array splayed with mid-sized angles. A higher number represents a longer array. Furthermore, the single element EQ that can be activated in under balcony or frontfill applications.

If several amplifier channels are used to control an array for multi-zone purpose, make sure that the same preset is activated at all elements!

In multi-zone setups the overall size of the array determines which compensation filter should be used, do not mix presets among one array!

To ensure an uncompromised and safe operation, the ELLA6 speaker system can only be operated with recommended amplifiers equipped with a DSP platform, with the latest TW AUDiO presets onboard. The TW AUDiO system racks are optimized for this purpose. Further details can be found on our website <https://www.twaudio.de/en/products/amplifiers-software/>

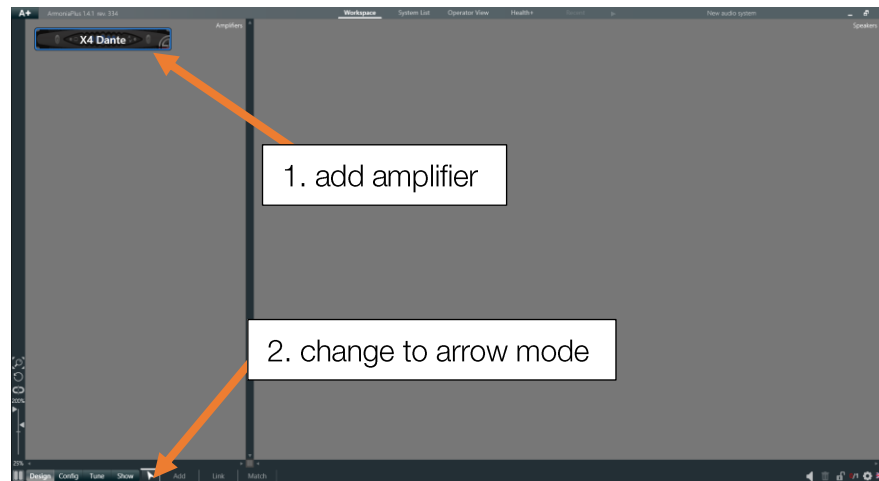
Usage in ArmoniaPlus

The advantages of ArmoniaPlus new manufacturer EQs, is available after loading the spk3 preset.

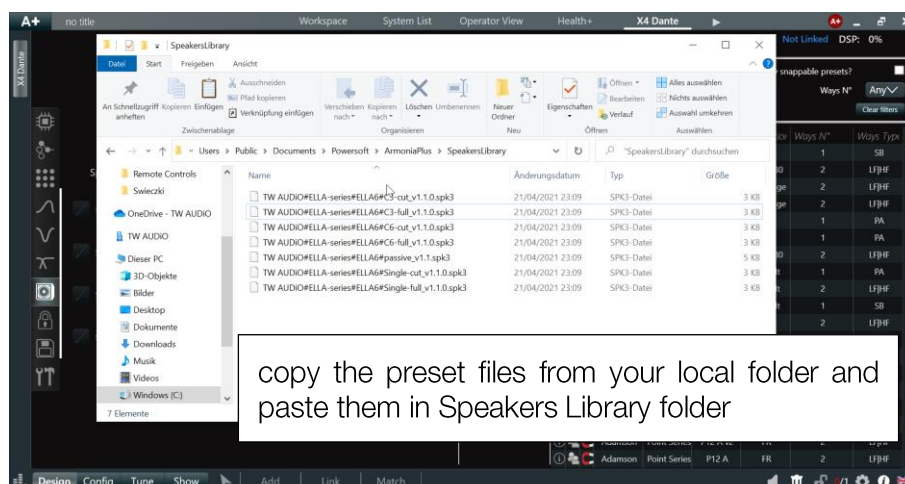
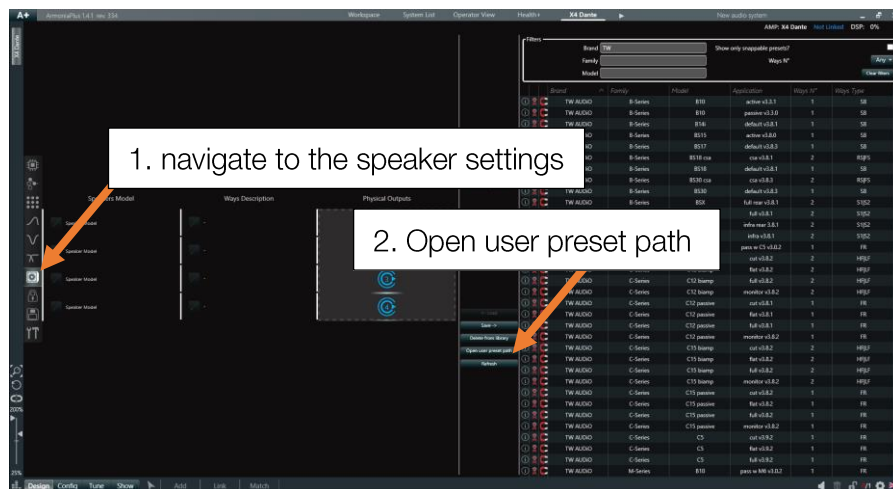
To load the presets internally from the amplifier display or the webapp, please use the dedicated presets with preconfigured filter functions. **They are electro-acoustically equivalent to the presets with manufacturer EQs!**

Adding the presets into your local user preset path

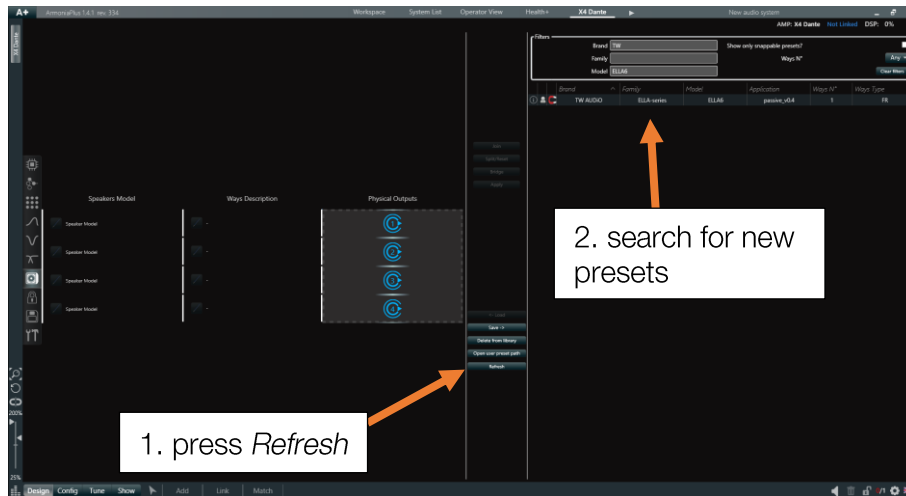
For adding the new presets into your local ArmoniaPlus user preset path, please open the ArmoniaPlus software, add an X-/ Canali- or T-series amplifier and open it by double-clicking the device in *arrow mode*.



Navigate to the speaker icon on the left side and click *Open user preset path* in the center of the program window. An explorer window will open where you can paste the new presets.

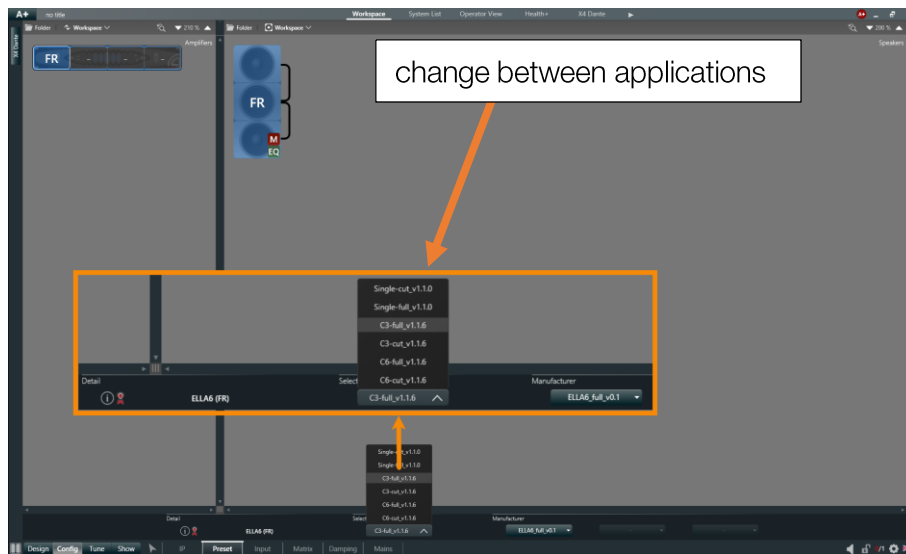


Once the presets are copied, press the *Refresh* button in the center of the ArmoniaPlus program window. If operation succeeded, you can find the presets on the main preset list on the right side.



Switching between preset applications with manufacturer EQs

In ArmoniaPlus the new manufacturer EQs are used to change between the different applications of the speaker system.



Usage in Lake Controller

Insert the presets in your local module path of Lake Controller

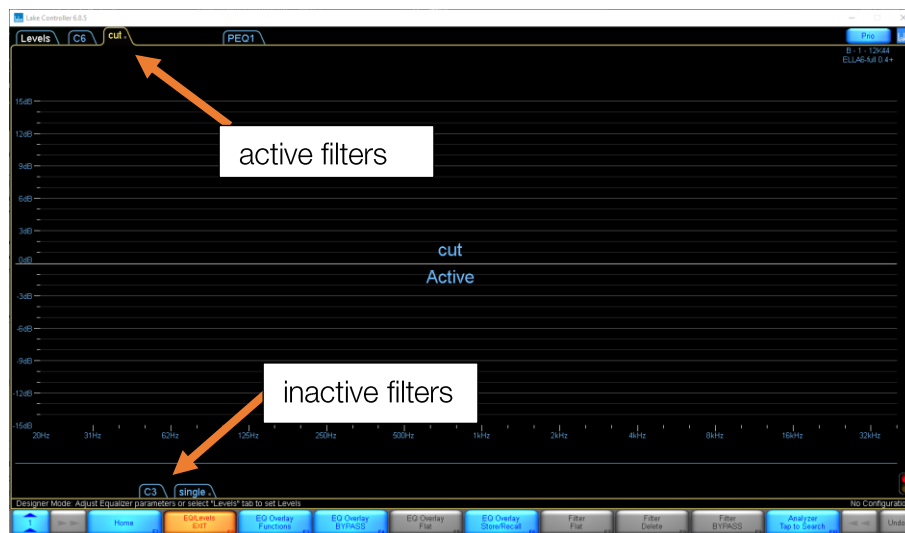
Copy the new presets in

C:\Users\%USER%\Documents\Lake\LakeController_%version%\Modules and EQ Overlays

Change between different preset applications with overlay EQs

Presets labelled full are for standalone usage of the top elements in fullrange mode. For usage with subs please load the corresponding preset labelled cut.

Furthermore, each speaker module contains an additional cut overlay with preconfigured filters. Activate or bypass the cut overlay for usage with or without subwoofers.



To change the array length compensation EQs (C3 or C6) simply activate the overlay filter adequately.

Make sure that just one compensation EQ is activated!

