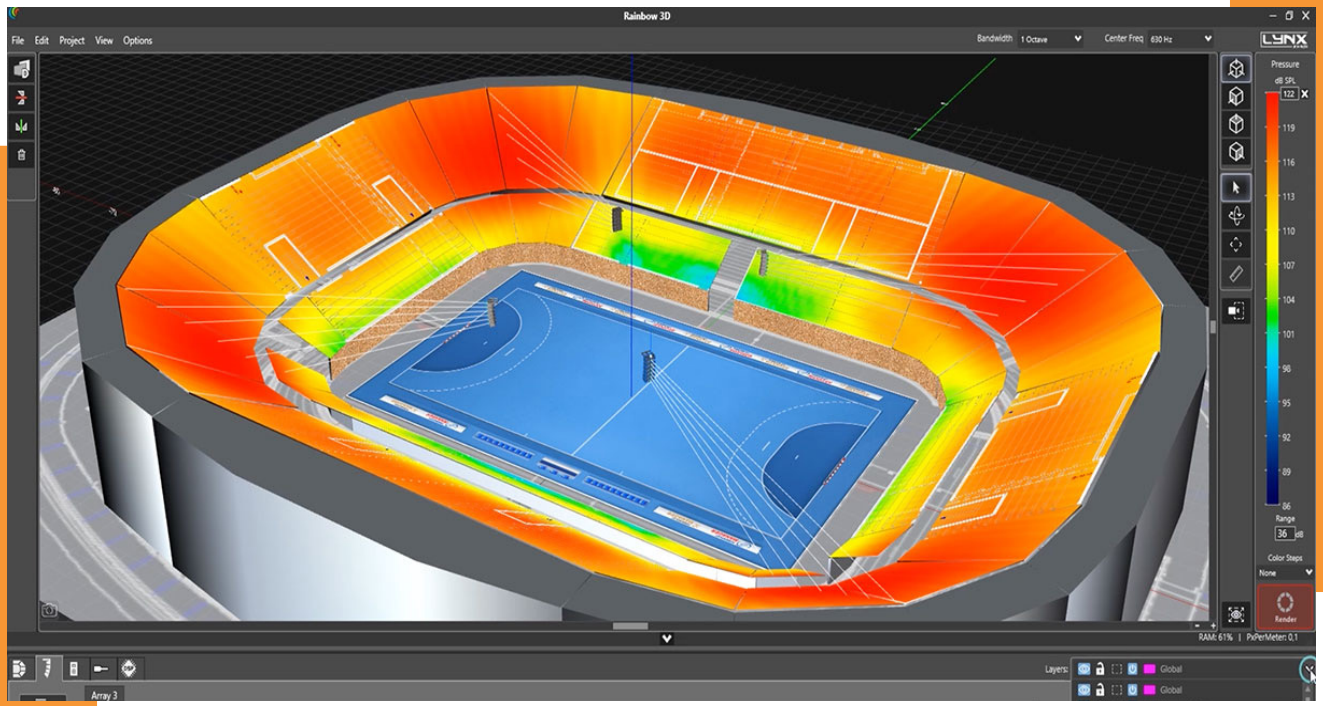
LYNX pro-audio

CULTURE OF SOUND



SOFTWARE CATALOGUE

LATEST EDITION

SOFTWARE

Rainbow 3D

Rainbow 3D is an electro-acoustical prediction software for loudspeaker systems, boasting comprehensive high-speed simulation in a three-dimensional environment. With a sophisticated design, Rainbow 3D stands out for its speed, being able to do a simulation in a few seconds.

Thanks to this software you will be able to “virtually” determine the acoustical response of one or various cabinets at the same time.

OnlineControlSystem

Control and monitoring software for multiple devices (loudspeakers, amplifiers and processors). Allows control via Ethernet / USB for Lynx Pro Audio systems with integrated DSP.

ARK Software

The ARK software works via USB or Ethernet (cable or wireless) and is the interface to configure all the parameters of the range of processors ARK-70 and ARK-20 series.

The ARK software has been completely designed by Lynx Pro Audio engineers. It allows to configure every one of the parameters in the processor, being in “real time” or “offline”, storing them in the processor via the USB interface or Ethernet.

Cabinet Updater

Cabinet Updater is a software that updates the presets of your powered cabinets. Just connect the cabinet by USB to your PC. This software will automatically detect your cabinet hardware and update the presets to the latest and optimum configuration available.

RAINBOW 3D

Electroacoustical Prediction Software

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Being a technology that has been developed in-house by our engineers, we are able to adapt to the needs of our clients, make improvements when necessary and develop new tools. Rainbow 3D is an ongoing project that will be constantly adding new features.

RAINBOW 3D

• Designed from scratch by professionals

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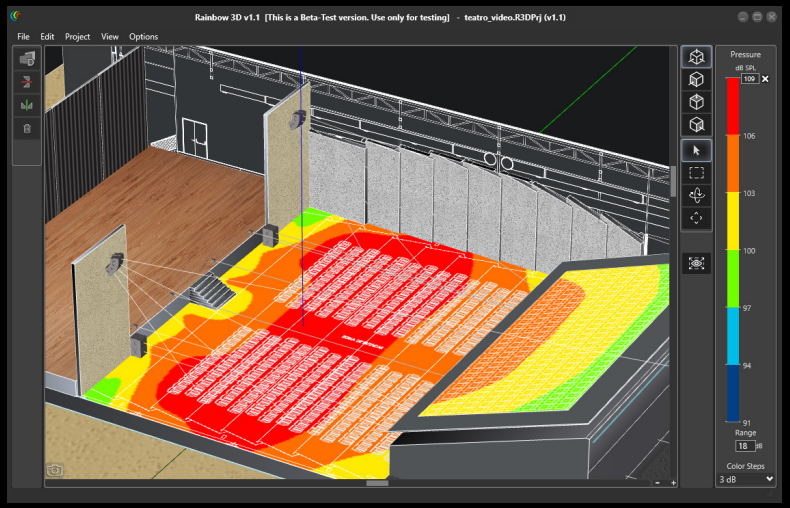


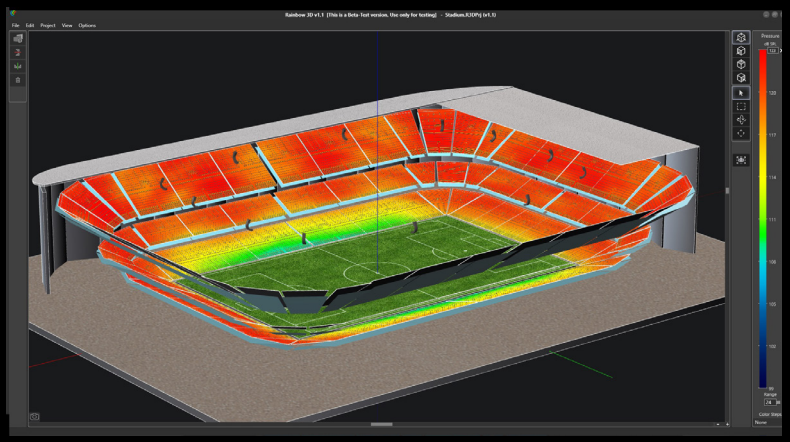
• Complex-shaped surfaces

Despite the existence of the previous Rainbow 2D, this new software has been coded from scratch by our engineers in order to achieve an ultra-fast simulation and to create a visually rich 3D environment. The simulation takes advantage of all cores in the computer using multi-threading techniques for optimised calculation speed.

The program can simulate all Lynx Pro Audio's acoustic enclosures located in a 3D space. New spherical measurements of the loudspeakers have been performed, with up to one degree of accuracy, in the recently built anechoic chamber.

• Blueprints, textures and ornaments

The program can simulate all Lynx Pro Audio's acoustic enclosures located in a 3D space, including the classic side and top views. It can also define multiple listening zones and allows offset positioning and symmetry.



You can create complex-shaped surfaces as listening zones (venues): trapezoidal forms, semicircles, circles, rectangles and other asymmetrical forms. Each corner in a 4-vertex surface is independently definable as straight or round.

• Create projects with endless zones

Blueprints can be loaded and used as a reference point or template on which reproduce the venue more closely to reality.

Furthermore, you can add textures and ornaments (decorative 3D objects) that you will find in the library to make the project more realistic and visually appealing.

• Create projects with endless zones

You can create customized designs using multiple edition and productivity tools: create surfaces, duplicate, apply symmetry on X and Y, show/hide surfaces, change dimensions, change position, change rotation, take screenshots, etc.

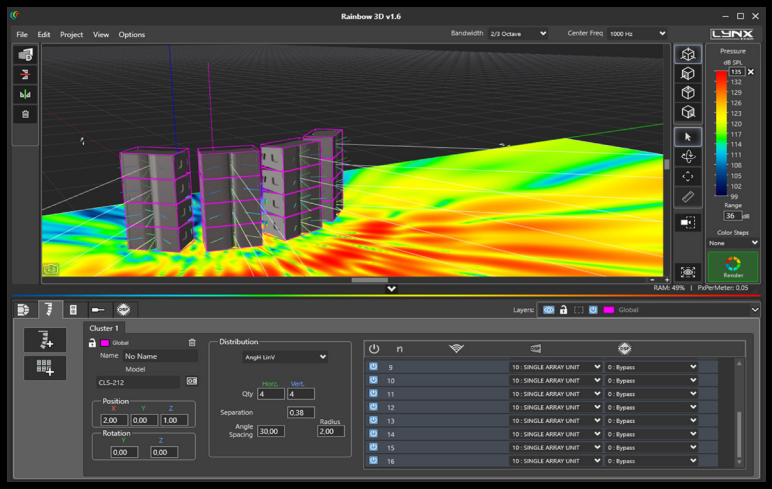
RAINBOW 3D

• Unlimited sound sources

Allows the acoustic simulation for an unlimited number of sound sources and audio systems.

You can place as many systems (subwoofers, line arrays, columns and individual cabinets) as you desire or you can create your own group of customized sound systems.

Line arrays can be placed in stack or flown configuration. Also, you can create clusters from any individual cabinet available in the library.



• Create your own “Sound Systems”

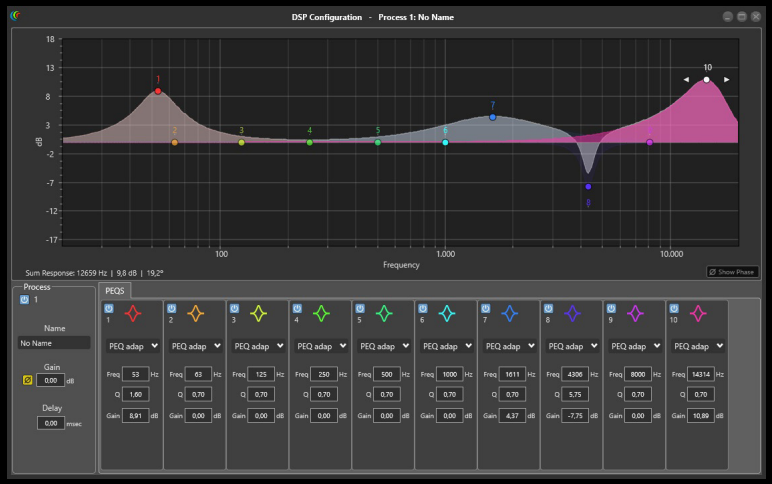
You can select different models of cabinets from the library, create a group with the desired configuration and save them as a sound system. In this way, you can create a group of customized sound systems with your own configurations and reuse them in other projects, saving time.

To make this possible, you will need to create a “.system” file. This can be integrated upon other projects with the “Load sound system from file” option or you can import it directly into the library to get access whenever you need it with the “Insert sound system” option.

When you create a Sound System, you can add a name, a description and you have the chance to upload a picture.

• Organisation by layers

To work in a more organized way you can create multiple layers, with different names and colors to distinguish them. All elements within a layer can be selected and/or moved among them. You can also lock a layer, delete it or disable the speakers for simulation.



• DSP process over sound sources

Adding DSP process to sound sources to make corrections and optimize sound, using EQ filters, delay, gain and polarity inversion. In the near future, direct communication with Lynx Pro Audio’s cabinets will be available.

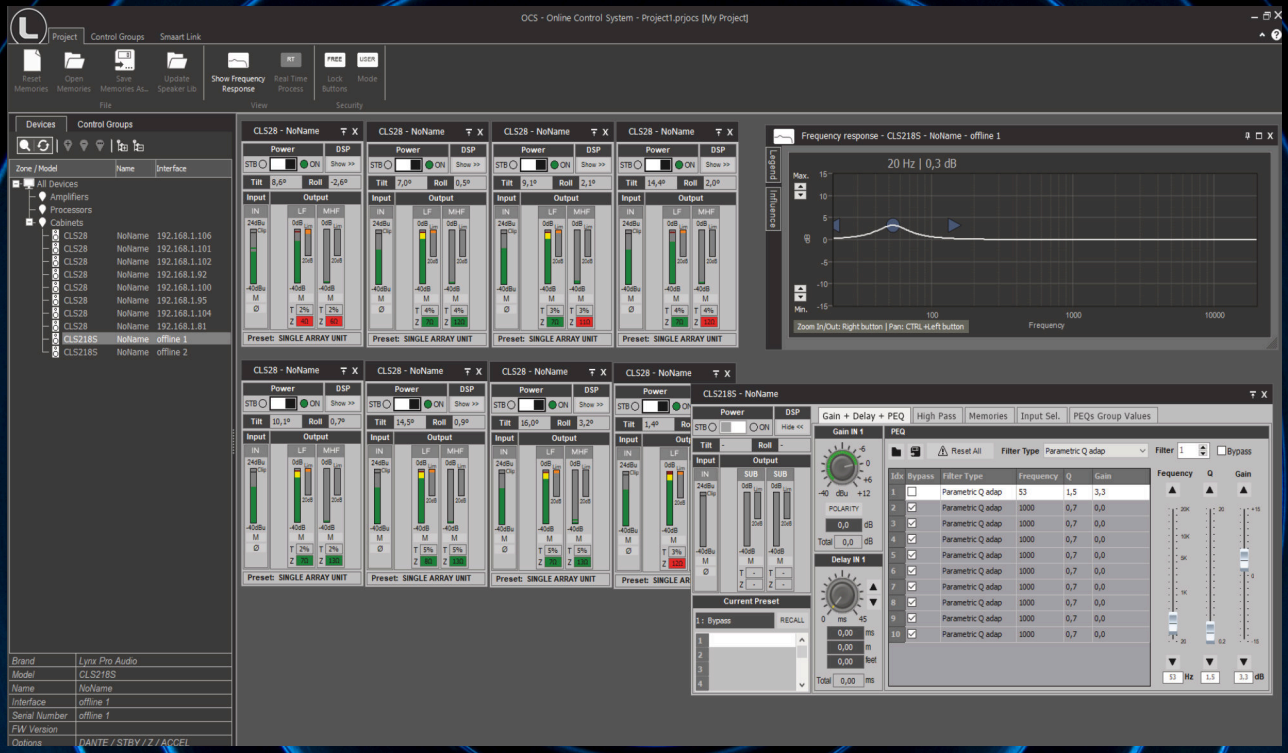
• Multiple measures and tools

Likewise, the R&D department is developing multiple measurements and analysis tools for the calculated data. For example, adding virtual microphones that show the frequency response in the points of location indicated.

Among other tools you will find a wizard to set up different line array arragements, a tool for line array autosplay and a ruler to take measurements (meters) in the 3D scene.

A PDF report can be generated with extensive information that includes 3D views of the project as well as a list of surfaces and loudspeakers with set-up data and EQ.

ONLINE CONTROL SYSTEM (OCS)



OCS is our control and monitoring software, working in real time for all our digital processing systems (cabinets, processors and amplifiers). It is a user interface enabling the set-up of all digital devices in an installation, allowing control via Ethernet / USB (one device).

With OCS you can configure / monitor all the parameters of Lynx Pro Audio cabinets, processors and amplifiers (input levels, cabinet angles, module temperature, compression levels, etc).

You may monitor all parameters available in our cabinets, processors and all settings in our amplifiers, from the input sensitivity to the digital process for each channel independently. You can change different parameters depending on the device.

OCS enables configuration from one single software system for all devices connected to an Ethernet network. In addition, incorporates direct communication with Smaart (R) measurement system. Through our Smaart Link we can connect to any Smaart (R) session connected to the local network. This allows us to see, in real time, the captured measurement directly in our process window.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