

# d&b system integration with QSC Q-SYS.

Full integration of d&b systems into the control domain of customized permanently installed sound reinforcement systems

Key to modern AV and performance audio installations is the combination of sonic excellence with extensive and fully customizable functionality. A permanently installed loudspeaker system must integrate with existing infrastructure, offer a seamless user interface, and provide neutral sound reinforcement for speech and music.

Q-SYS is an audio DSP, signal distribution and control network solution from audio manufacturer QSC, controlled using processing cores, signal interfaces and fixed or programmable user interfaces. All control and signal processing functionality within a network can be customized to the exact requirements of the application, while user

interfaces on touchscreens can provide tailored controls for any user.

The d&b plug-in module for the Q-SYS DSP network enables the full integration of the installation specific d&b 10D and 30D amplifiers, as well as D20 and D80 amplifiers, into the Q-SYS control network domain.

In combination with Q-SYS, a d&b loudspeaker system is the ideal solution for any permanent installation demanding the highest audio performance and fully customizable remote control capabilities, regardless of the size, shape or scale of the project.



## d&b audiotechnik plug-in module for Q-SYS

The d&b Q-SYS module can provide access to d&b amplifier parameters such as Gain and Mute status, recall AmpPresets or change the Power On/Off status. It also reads several types of information from the amplifiers including Input monitoring, Load monitoring and amplifier status.

These parameters can be adjusted using Q-SYS control components and indicators, which are customized via the Q-SYS designer software. This permits full system control and status monitoring on any QSC control device or through any Q-SYS control interface. d&b sound reinforcement systems can thereby become fully operable in a system environment designed for intuitive and easy everyday handling for all users, for performances of any kind.

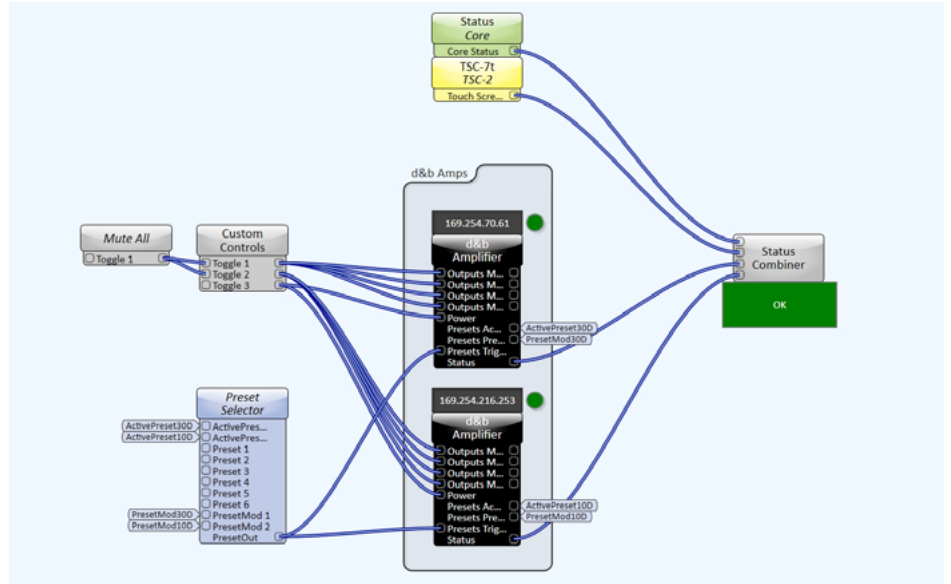


**The d&b installation at the Finnish National Opera in Helsinki features a Q-SYS platform, which uses custom programming to send power and mute commands.**

With the flick of a switch, a normally unattended audio system intended for natural speech reproduction - with the highest intelligibility - can become a full blooded loudspeaker system for music and live program reproduction fulfilling every concert and performance expectation. The embedded Q-SYS system status logging function also provides options for automated notifications for system events and errors through email, while the LUA scripting feature enables comprehensive Q-SYS programming.

Stadiums, houses of worship, performing art venues, corporate auditoriums and large event spaces all demand the highest performance, intelligibility, flexibility and ease of operation.

To improve the level and tonal balance of d&b line arrays even further, the optional ArrayProcessing feature within the d&b ArrayCalc simulation software applies powerful processing to optimize the spatial and spectral performance of a line array over the entire audience area. The AP slot can be changed through Q-SYS, to adapt the performance of the system according to the requirements of the actual situation.



### Q-SYS designer software

Different ArrayProcessing slots can be preprogrammed to change the processing emphasis for maximum SPL and system headroom, or for the best match of target level distribution and frequency response.

The acoustical distribution of the audio system becomes configurable to the individual requirements and the emotional character of the event, while ease of operation enables users to select the system operating mode via tailored user interfaces.

The d&b control plug-in for Q-SYS, as well as detailed technical information, is available to download from [www.dbaudio.com](http://www.dbaudio.com).

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