

# d&b system integration with Peavey MediaMatrix.

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



## The d&b installation at Amsterdam Arena, Netherlands

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.

Peavey MediaMatrix is a digital audio distribution and processing system with fully flexible control functions. Powerful digital processors, software and user-control tools provide audio system integrators with comprehensive flexibility to design the signal distribution and control network via a computer, while user interfaces on touchscreens or even iOS devices provide tailored controls for any user. The system can also be controlled using wall panels and GPIOs.

The d&b plug-in module for the MediaMatrix 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 MediaMatrix control network domain.

The d&b installation at the Amsterdam Arena features a MediaMatrix platform with custom programming to send power and mute commands and change AmpPresets for different application scenarios.

In combination with MediaMatrix, 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 MediaMatrix

The d&b MediaMatrix NWare™ module allows detailed control interoperability, meaning d&b amplifiers can now be integrated easily as part of a MediaMatrix network system. Integration 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.

The complete system is designed and managed using the NWare software, and then deployed to NION or nControl processing devices within the network. All system parameters can be adjusted via NWare, which can also provide complete status monitoring features and full system control through a MediaMatrix control device, or via a control interface for Android, iOS (Apple), Blackberry, Windows or Linux mobile devices. Extensive integration with the MediaMatrix range also allows the status logging of all audio connections to amplifiers, and the operating state of connected loudspeakers to be surveyed.

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. For more advanced operation and design, the Python scripting feature enables comprehensive NWare programming.



### MediaMatrix NWare™ software, design example

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 defined AmpPresets, to adapt the performance of the system according to the requirements of the actual situation. 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.

- > Stadiums and Arenas
- > Houses of Worship
- > Performing Arts
- > Conferences
- > Corporate
- > Cruise Ships
- > Live Clubs



### d&b AmpPresets

MediaMatrix® is a registered trademark of Peavey Electronics Corporation