

dSPEC

Networked Loudspeaker Processor



dSPEC (**d**igital **S**peaker **P**rotection, **E**nhancement and **C**ontrol) is a ground-breaking loudspeaker processor from Community. More than just another DSP, dSPEC heralds an all-new approach to configuring, controlling and commissioning sound system installations, with a host of capabilities - and a method of engineered workflow - not available anywhere else. All four models feature a 4 input x 6 output fixed-chain DSP architecture for ease of use and quick and simple setup. The base model features 115dB of dynamic range and includes 2 x 6 analog I/O's. Other models are available with optional expansion cards installed that increase the I/O capabilities with either two additional analog inputs, two AES3 dual-channel digital inputs or a CobraNet™ card that allows the user to choose from up to 8 digital audio inputs and outputs. dSPEC is a fully network enabled, Ethernet controlled device that works well in single unit systems or in large, networked applications.

Intuitive and easy to use, dSPEC eliminates the lengthy learning curve that plagues many other more complicated DSPs. The user simply selects from a library of Community loudspeakers and dSPEC does the rest, automatically assigning factory recommended lo-pass and hi-pass filters, corrective equalization (including CONEQ™ FIR EQ), protective limiters, phase compensation, biamp crossovers and more. These features may also be manually applied for non-Community loudspeakers. dSPEC is a product that provides an astounding improvement in sonic quality, unsurpassed driver protection, remarkable ease of use, and highly functional remote control capability - all available at a competitive price point. With four models to choose from, there will always be a dSPEC model available to meet the price and performance needs of nearly any installation.

dSPEC provides six control ports on its rear panel that may be used for remote recall of presets or for remote level adjustments. Users can provide their own simple contact closures and potentiometers or purchase pre-engineered solutions from Community. Entire systems can be reconfigured at the touch of a button located almost anywhere, without the need for a computer to be a permanent part of the installation. Other advanced capabilities include a unique Amplifier Calibration Port that measures the output characteristics of amplifiers in the system to help precisely set dSPEC's three discreet stages of limiters (peak, program & long-term) for highly accurate driver protection, while the built-in patented CONEQ™ Acoustic Power corrective algorithms are a Community first. CONEQ™ provides 1024 bands of low latency FIR equalization that flatten the Acoustic Power Response of the selected Community loudspeaker(s) to a high degree of precision with audible results that are outstanding and demonstrable.