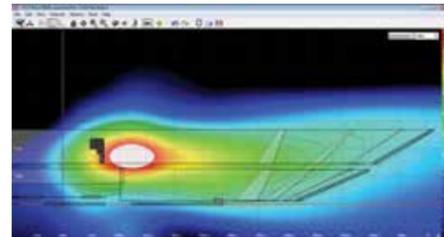




Software & Electronics

Since the development of the KF900 Series in 1997, EAW has continuously led the industry in the development of software tools that model acoustics and enable the advancement of our core engineering approach of integrating multi-component systems into unified entities. These software tools are no longer just development engines. They have become the primary interface that defines the user experience of configuring, controlling and monitoring system performance. EAW has also developed proprietary algorithms that integrate processing and acoustics in revolutionary ways to deliver optimum system performance when used with the UX processing platform.



Resolution™

EAW Resolution is a powerful and easy-to-use simulation and control software that accurately predicts the performance of EAW loudspeakers within a 3D venue. Driven by EAW's proprietary

FChart acoustics modeling software, Resolution allows precise three-dimensional positioning of loudspeakers and audience areas and plots the resultant SPL and frequency response. When using arrayed systems, Resolution will generate recommended aiming angles based on user-provided coverage targets. Resolution is also a key part of Adaptive Processing™, calculating all necessary processing and communicating with Anya arrays.



EAWPilot™

EAWPilot delivers Greybox™ settings and provides user control of UX Series and NT Family products. Greyboxes provide quick, easy means of implementing the complex processing required for Focusing™, requiring only minimal user-provided data and performing complex functions such as gain optimization, passband alignment,

and limiter calculation. Via EAWPilot, users can define system equalization, processing modes and networking parameters, as well as monitor signal levels and component status (i.e. amplifiers on NT Family products).



DSAPilot™

DSAPilot provides complete control of DSA Series loudspeakers. Rooted in the KF900 project's optimization program, FChart, DSA Pilot uses high-resolution measurements of each individual driver in an array to predict and optimize the total array performance. Based only on simple user-defined venue geometry and

performance targets, DSAPilot optimizes performance of any DSA array to provide coverage of the entire audience area. Users can also apply equalization and limiting to DSA columns.

UX8800



The UX8800 is a powerful 4-input by 8-output digital processor (48-bit/96-kHz) that is equally adept as a loudspeaker processor or an overall system processor, and it brings EAW Focusing technology to an ever-increasing number of EAW loudspeakers. The front panel offers access to all operational parameters via buttons, encoders and a brightly back-lit LCD panel. More advanced setup and tailoring can be done via EAWPilot software on a PC plugged in via the RJ45 port on the front panel.

Configuration

4-in/8-out

Inputs

4x XLR female (elec. balanced) analog or AES/EBU

Outputs

8x XLR male (elec. balanced)

Control

Ethernet (front panel), U-net (rear panel)

UX3600



The UX3600 is a powerful 3-input by 6-output digital processor (24-bit/48-kHz) that is equally adept as a loudspeaker processor or an overall system processor, and it brings EAW Focusing technology to an ever-increasing number of EAW loudspeakers. The front panel offers access to all operational parameters via buttons, and a brightly back-lit LCD panel. More advanced setup and tailoring can be done via EAW Pilot software on a PC plugged in via the USB port on the front panel.

Configuration

3-in/6-out

Inputs

3x XLR female (elec. balanced) analog only

Outputs

6x XLR male (elec. balanced)

Control

USB



Powercube™

EAW Powercube is a dedicated amplifier rack designed to power a range of EAW touring loudspeaker systems. Each Powercube includes electrical power distribution, 8 channels of amplifier power via 4 user-supplied amplifiers, and 1 UX8800 digital signal processor. Powercubes are optimized for use with KF740 line array and SB2001 subwoofer systems, but can also readily control KF760, KF730 and KF720 systems as well. Combined with Red and Grey Certification™ training, Powercubes ensure consistency of performance across EAW rental providers.