

*Dedicated to solving the world's
most important audio problem*



The Laws of Physics | *The Art of Listening*

EAAW
EASTERN ACOUSTIC WORKS



EAW SOLVES PROBLEMS

Other companies manufacture loudspeakers. And some of their products are quite good.

But no other pro audio company of any kind is as dedicated to solving the problems you face on a daily basis.

No other company puts at your disposal the kinds of resources EAW does.

The world's most comprehensive line of loudspeaker systems. Immediate access to information resources. And the powerful human resources that make EAW the most looked-up-to company in the industry.

EAW PRODUCTS

There is an axiom that guides the product development thinking at EAW: There is no perfect loudspeaker, only that which most perfectly serves its given application.



EAW's state-of-the-art production facility, rebuilt after our 1996 fire, has increased our total production capacity by 600%.

Since professional sound reinforcement applications range from a boardroom that seats 20 to a stadium that seats 120,000, EAW has developed the most comprehensive line of loudspeaker systems in the world.

While each solves a particular set of application problems, the engineering goal for every loudspeaker system is exactly the same – to provide flat power response and minimal distortion as those criteria apply to the system's given application. As a result, the entire EAW product range sounds remarkably similar, from the ultra-compact UB12Se to massive KF900 Series arrays which act as a single loudspeaker.

PORTABLE APPLICATIONS

For audio companies specializing in portable sound reinforcement, EAW offers a wide range of loudspeakers, providing scalable solutions for both concert touring and portable A/V.

The KF700 Series of VA⁴™ loudspeakers represents a major breakthrough in arrayable general-purpose portable loudspeakers. The KF750, the successor to our legendary KF850, offers the same simplicity of use and rugged construction as its predecessor in a smaller, lighter package that provides more output, higher fidelity and significantly improved pattern control.

Much like the KF850, it works just as well in a nightclub as it does in an arena or stadium.

And like the KF850, a family of complimentary systems provide specialized coverage to meet any venue's needs.

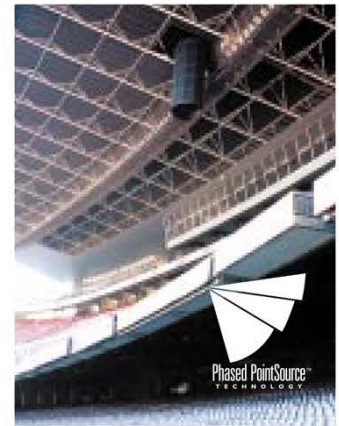


To accommodate TV cameras at VH-1's New Years' Eve event, the KF700 Series clusters were set farther apart than normal. Even with a cabinet focused almost directly onto the stage, feedback was never a problem.

PERMANENT INSTALLATION APPLICATIONS

When EAW introduced the MK Series of two-way loudspeakers designed specifically for permanent installations, it represented the first in what is now the most comprehensive line of installation-only loudspeaker systems available.

In 1998, we followed the MK Series with the AS Series of three-way array modules – which itself offered both horizontal and vertical



Many of the world's largest stadiums, like this one in Barcelona, Spain, use single KF900 Series (Phased PointSource) arrays to cover the majority of the seating area.

UB & SMALL JF SERIES

- Compact and ultracompact two-way system
- General purpose or specialized coverage
- Fill small or hard to reach spaces with high definition sound



LS SERIES

- Up-to-date column array loudspeakers
- Line source effects enhance vertical directivity
- Frequency shading eliminates problematic lobing
- Hard floor, low ceiling – no problem



LARGE JF SERIES

- Compact two-way systems
- Horn-loading for HF pattern control
- Naturally portable for A/V applications
- Effective permanent installation tools



MK SERIES

- Extended pattern control two-way systems
- Optimized for permanent installation only
- Beamwidth matching crossover smooths power response through crossover





Yours



configurations as well as separate mid/high and low frequency modules.

And now we complete the range with the LS Series of column array loudspeaker systems as well as the MQ Series of large format, high "Q" three-way VA⁴ array systems.

For the largest outdoor applications, the KF900 Series of Phased PointSource Technology™ array modules allow a single cluster to cover an entire stadium with better sound quality than that offered by more costly and complicated distributed systems.



Ken Berger and Kenton Forsythe, circa 1978.

EAW TOTAL SYSTEM ENGINEERING

From our beginnings in the late 1970's, co-founder and Executive Vice President Kenton G. Forsythe has served as EAW's heart as well as its brain. His powerful insight into loudspeaker system design has placed EAW in a class by itself.

His insight was quite simple:

since the total loudspeaker system makes sound, then the logical approach is to develop total loudspeaker systems. Simply combining components, even of the highest quality, would never create a total system.

Obvious as this might seem, it has taken the rest of the loudspeaker design community two decades to reach the same conclusion.



EAW integrates testing with product development to create loudspeaker systems that lead the industry.



Asymmetrical passive crossover design helps EAW loudspeakers sound "flat" out of the box.

EAW PRODUCT DEVELOPMENT

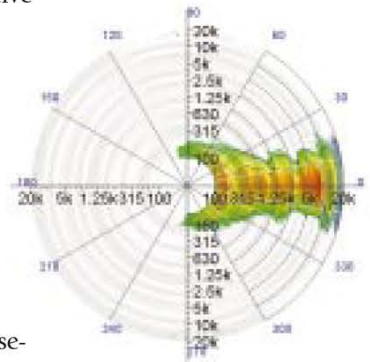
EAW starts each product development effort by defining the criteria each component of the loudspeaker system needs to meet. Once components are created, the real work of integrating the components into a total system begins.

EAW uses the time-consuming iterative process of system integration. As soon as a prototype is built up, it undergoes a series of performance tests. Data from these test help to refine the product which is measured again, refined again, etc. This process continues, iteration after iteration, until it meets the design goals.

Over the years, the crossover/filter networks resulting from this process have set the professional standard. EAW never uses generic crossovers because we develop each crossover/filter set specifically for the subsystems it integrates. We call this approach Close Coupling™.

As we have integrated active electronic signal processing into the total system, we have insisted that our processors never use dynamic effects, so the sound quality remains consistent at all output levels. At their heart, all EAW processors are designed as crossovers precisely aligned (Close Coupled) to the systems they are designed to control.

Finally, we have brought the Close Coupling concept to its ultimate conclusion with the introduction of the KF400a, a loudspeaker with a Close Coupled Power Module™ that includes integrated signal processing as well as amplification modules with topologies defined by the specific needs of the loudspeaker subsystems they power.



This topographical composite of polar plots is a new audio visualization tool developed by EAW design engineers.

KF400

- Self-powered three-way VA™ system
- Close Coupled Power Module™ exactly matches the KF400a's power demands
- Transparent protection circuitry



AS SERIES

- Three-way array modules
- Horizontal or vertical configurations
- Mid/High and LF component modules
- Direct radiating or dipolar array LF sections



KF700 SERIES

- VA™ Technology and Acoustic Singularity™ design (KF750)
- Power tool for portable application or permanent installation
- Scalable array module works in any size venue





Long before products are specified in the field, ASG members work with Design Engineers to determine the exact performance criteria each system needs to meet.



(l to r) ASG members David Homa, Jeff Mason and Paul Carelli.

APPLICATION SUPPORT GROUP (ASG)

Sometimes, solving a problem means speaking with that one person

with the expertise and experience to make order of chaos. That's why EAW created the ASG.

The ASG provides direct factory support to audio pros in both the portable sound reinforcement and permanent installation fields,

helping them specify the particular EAW loudspeakers that best solve their applications' specific problems.

Each ASG member has spent time in the field or on the road, giving them the real-world experience you can rely on when you're looking for advice.

Chances are you already know Product Specialist Jeff Mason who provides product specific information for both portable and permanently installed loudspeakers. He also helps customers search through EAW's extensive catalog of built-to-order loudspeakers to find the variation or custom-design that they need.

Installation Market Manager Jon Sager and ASG Manager David Homa have been working with the consultant and contracting communities for over thirty years with the former specializing in domestic US markets and the latter in the international community.

And Touring Market Manager Paul Carelli spent the

better part of the 70's and 80's touring as FOH mixer with internationally known acts.

The ASG also provides a conduit for the product data generated by our Acoustical Performance Partnership (APP). The comprehensive set of data tools includes performance data, dimensional cabinet drawings and modeling data. The full set of support files is available



ASG members like Jon Sager work with consultants and contractors to help them develop the best possible solution to their application problems.

online at our popular website (www.eaw.com) as well as on the APP CD-ROM.

Finally, the ASG makes available a wide range of support documents including Product Usage Guides, Application

Guides and EAW Engineering Whitepapers to help you understand the technology behind the products.

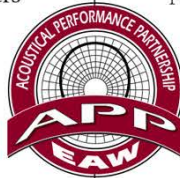
EAW CORPORATE COMMUNICATIONS

No loudspeaker manufacturer does more to keep its dealers and their customers informed than EAW.

Our in-house advertising/marketing staff works closely with engineers and ASG members to produce all variety of printed material including advertisements, brochures, application guides and datasheets.

In 1996, we established the International Marketing Support Network to provide distributors around the world with pre-approved materials with which they can create advertising in their own languages for their own markets.

Finally, EAW is a leader in online and interactive information services with one of the industry's most popular and useful World Wide Web sites as well as a suite of interactive CD-ROMs.



MQ SERIES

- VA™ Technology optimized for permanent installation only
- High "Q" mid/high modules
- Dedicated LF companions of identical heights



KF860 SERIES

- Virtual Line Array™ systems
- Low profile arrays open sightlines and camera angles
- The system of choice for high profile televised entertainment industry events



KF900 SERIES

- Phased PointSource Technology™ array modules
- The only solution for the largest venues
- Single source arrays cover up to 100,000 people



Responsive Communication is Critical to Leadership

THE AGILITY TO MAKE IT HAPPEN NOW

Because our manufacturing process marries hand-crafted precision to CAD/CAM technology, a customer's concept can become a prototype that is ready for testing in a matter of days.

We use computer-numerically-controlled (CNC) saws and routers as



Computer-Numeric-Controlled (CNC) saws and routers in our automated woodshop use CAD data to efficiently produce precise, repeatable enclosure components.



EAW uses the most powerful Computer-Assisted Design (CAD) software, letting us optimize the acoustics as well as the ergonomics of each enclosure.

part of CAM operations. Critical information from our CAD drawings can be programmed directly into the CNC machines to create the components with maximum efficiency.

Once a prototype has been approved, the new product is brought to full production almost immediately.

The advanced, high-durability water-based paint we use allows our manufacturing staff to make faster changeovers, speeding the production of custom colored enclosures. Our use of manufacturing cells puts quality control at every step of the

process rather than at the end of the line.

EAW is looking to the future of automated machining to keep our manufacturing processes as well as our loudspeakers on the cutting edge of technology. By continuously improving every aspect of our operations, EAW can meet the needs and exceed the expectations of an increasingly sophisticated and demanding market, today and tomorrow.



ACCESS TO PERFORMANCE DATA

When EAW introduced the Acoustical Performance Partnership (APP), we created a first-of-its-kind information exchange between an audio manufacturer and the sound system design community. Raw data from our comprehensive testing regimen are distilled into the formats designers need, helping them create sound systems that more precisely fit the needs of their applications. Comprehensive APP data are contained on the APP CD-ROM or can be accessed via our site on the World Wide Web.

FACILITATING INSTALLATIONS; PROVIDING SOLUTIONS



The Application Support Group (ASG) is a formalized extension of EAW's traditional customer support services including our BTO/custom product development capabilities which have produced the ASx Series. It exists to provide application design support to the EAW customer base and act as a liaison between customers and EAW Sales, Engineering and Manufacturing.

EAW'S GLOBAL NETWORK OF RENTAL COMPANIES

The VATA global network of sound system rental companies provides tour managers and touring musicians



PA services featuring EAW's Virtual Array® Technology, VA⁴ and Stadium Array Systems.

For the first time, national and international tours can enjoy consistent EAW sound wherever they go. Since the Virtual Array Technology Association (VATA) encourages teamwork among members, mid-sized companies draw on each others resources, letting them land bigger contracts. And by combining their power, several larger firms have provided EAW-based sound reinforcement for some of the world's largest productions ever.

INTERACTIVE COMMUNICATIONS

EAW's World Wide Web site (www.eaw.com) is your direct link to information about EAW and our products.

The APP section lets you access all available performance data, modeling data, 2-D and 3-D cabinet drawings and product photographs. Ken's Pro Audio Hyperlinks connect you to scores of sites in the pro audio industry and related fields. You can also meet the people behind the products and communicate with people at all levels of EAW Sales and Technical Support. EAW Interactive Communications also offers the MultiMedia Interactive Product Guide (MIPG) and the APP data CD-ROM. Call to ask for your complimentary copy of either CD-ROM.

SIA SOFTWARE COMPANY



SIA Software Company, an EAW company, are makers of the popular sound system testing and optimization software SIA-Smaart® Pro. Through a shared vision, the two companies are working to extend SIA-Smaart Pro's capabilities to include system control and modeling.

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EAW is the worldwide technological and market leader in the design and manufacture of high-performance, professional loudspeaker systems.