

Introducing Anya





Anya is the most technologically advanced sound system ever created. She is so different from every other sound system that we shouldn't call her a "sound system". In fact, she is not.

Anya is a concept – a whole new way to deliver sound reinforcement.

Anya is born from more than 15 years of research into technology that shapes and directs large-scale audio output. Anya adapts total array performance to deliver stunningly uniform high SPL coverage with such precision that the room effectively disappears. We call this Adaptive Performance™.

With Anya, you never have a reflection from a large wall because she makes it as if there are no walls. There is no ceiling, no roof, no nearby houses. With in-situ refinements, there are no balcony faces.

Nor are there any cheap seats. Anya so precisely crafts performance that virtually every location receives powerful, full frequency response. Sculpt the sound beam to reach the top of the farthest balcony, but not the wall just above it. Anya lets you be that exact.

Yet for all her capabilities, Anya is simple and intuitive. No complicated array angle, no addressing individual loudspeakers. Just tell Anya where you want the sound; she'll do the rest.

With the room eliminated, all that remains is a defined coverage area where the people that bought the tickets will experience what they came to experience – the artist.

Anya is almost alive.

Anya knows what she is. Anya knows where she is. And Anya understands how best to deliver sound in any specific situation. The more information you give her, the better she adapts.

Anya is nearly self-sufficient.

Anya needs three things: AC power, network connectivity to Resolution™ software and audio signal. Each module carries all required amplifier power and signal processing.

Anya works for you.

Anya uses high-resolution Adaptive Performance™ technology to deliver custom-sculpted vertical and horizontal coverage with idealized response at all locations. One module builds any number of unified, multi-column, straight hung arrays. There is only one way to rig them. There are no angles. There is no “J”. There are no side fills.

Anya is powerful.

Each module includes 14 high frequency transducers, six mid frequency transducers and dual 15-in low frequency transducers. Horn-loading and true line source coupling maximize efficiency and output.

Anya sees everything.

Anya can cover nearly the entire 180 degree vertical plane. A single column covers 70 degrees horizontally and columns array in 60 degree increments. Simply add columns up to 360 degrees. Adaptive Performance allows Anya to control the horizontal coverage of multi-column arrays.

Anya adapts.

Anya can reconfigure array response in situ in a matter of seconds. No more dropping rigs to reconfigure angles or waiting for processors to update. Should a fault occur, she can diagnose it and automatically adapt to compensate. With your permission, of course.

Anya is complete.

Simple, reliable rigging connects modules. Fly bars lock together for easy multi-column hangs. Preconfigured cables use standard connectors. Modules ride up to 4-high on a caster pallet with dimensions that work in standard truck pack configurations.

Every aspect of Anya's design serves to optimize acoustic performance in a simple, intuitive, easy-to-use package. Even though she's revolutionary, Anya reflects the classic EAW engineering values of high output, optimized pattern control and fidelity to the human voice.

The full width of the enclosure serves as a horn in the horizontal plane, ensuring even horizontal coverage and smooth integration of adjacent columns

Outer slots provide enclosure venting for enhanced LF performance

Slotted vents provide a degree of loading to the dual 15-in low frequency cone transducers and shift the apparent LF sources farther apart, extending horizontal pattern control to minimize the buildup of LF energy



Safe and simple bar-and-pin rigging has only one configuration

EAW's Concentric Summation Array™ technology and a new, proprietary phase plug design ensure that two columns of three mid frequency cone transducers sum coherently with the HF section

Built-in microphone for in-situ diagnostics

Anya's high frequency horn uses a proprietary loading technology to reduce apparent source spacing for more accurate adaptive control
Each module deploys 14 independently powered and processed HF compression drivers

An Anya module's self-contained, field-replaceable power and processing unit includes 22 separate channels of signal processing and amplifier power totaling nearly 10,000 watts. It also houses the onboard testing, measurement and self-identification systems.

Multiple paths for both audio and digital network connectivity

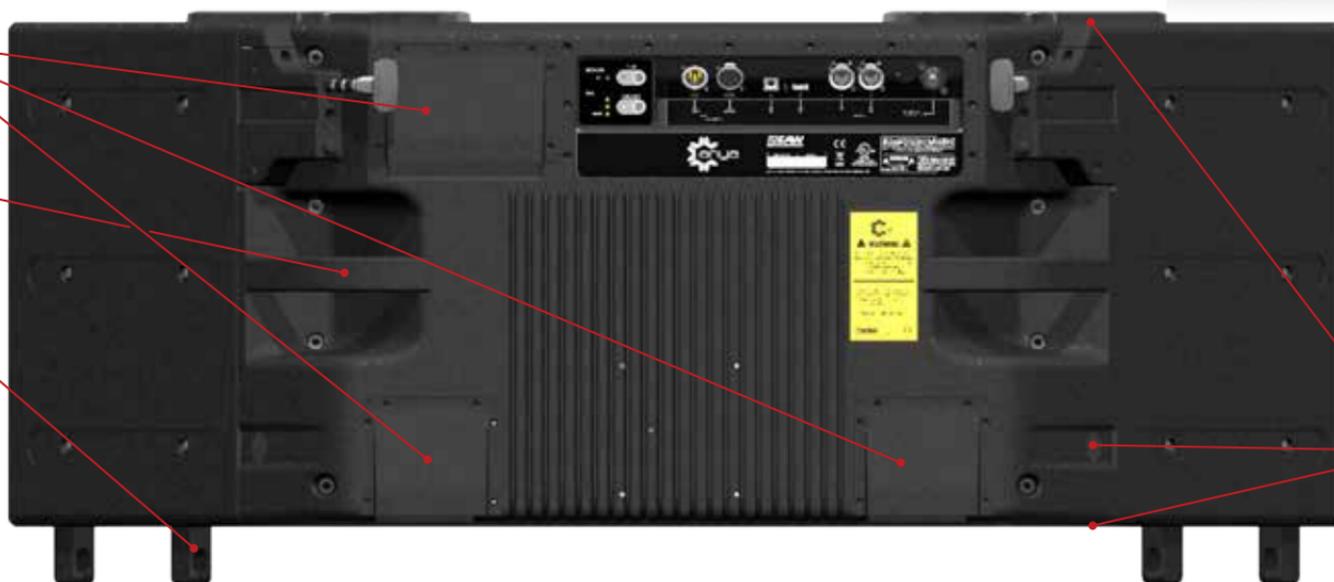
Touchpad controller uses onboard batteries to report on self-diagnostics anytime, anywhere



Active cooling via dual intake and single exhaust fans

Easy access handles integrated into amp module

Safe and simple bar-and-pin rigging system



Deliver analog audio via XLR; deliver digital audio via EtherCon (Dante™) or XLR (AES/EBU)

Standard connectors: Neutrik™ True1 PowerCon, XLR, Neutrik™ EtherCon, USB A & B

Redundant dual EtherCon connections ensure continuous network connectivity

Infrared send/receive units on four sides sense neighboring modules, allowing arrays to self-identify and self-configure



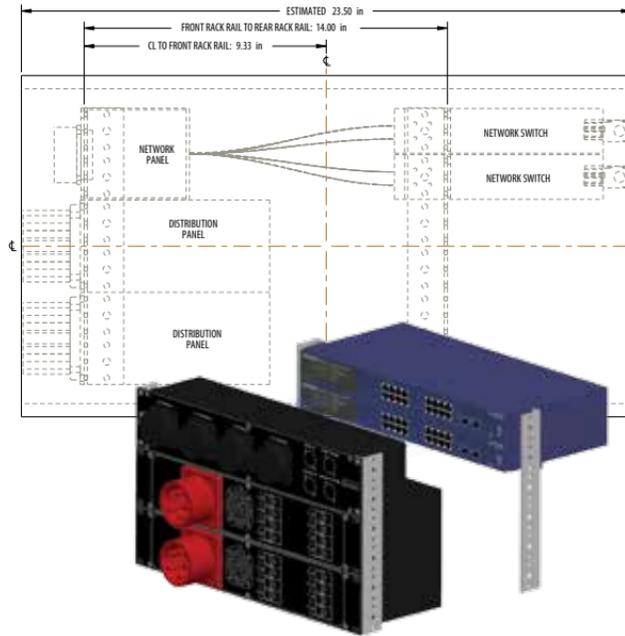
Anya's electrical power and signal distribution system is nearing completion, with design sketches for the 230 volt version shown here. Each unit will supply power for up to 12 modules and fully redundant Dante™ network for 12 modules. The rolling cases will stack or fly near the array to shorten cable runs.

POWER

Custom distribution panels from Motion Labs®, featuring robust, standard connectors for both 230 and 115 volt three-phase input. Circuit breakers feed a consolidated, multi-pin output that connects to preconfigured cabling for individual modules.

NETWORK

Custom network panels from LinkUSA®, featuring standard network connectors for input and throughput, high-bandwidth switches and multi-pin output that connects to preconfigured cabling for individual modules. Opt for redundant connection to 12 modules or non-redundant connection to 24 modules.



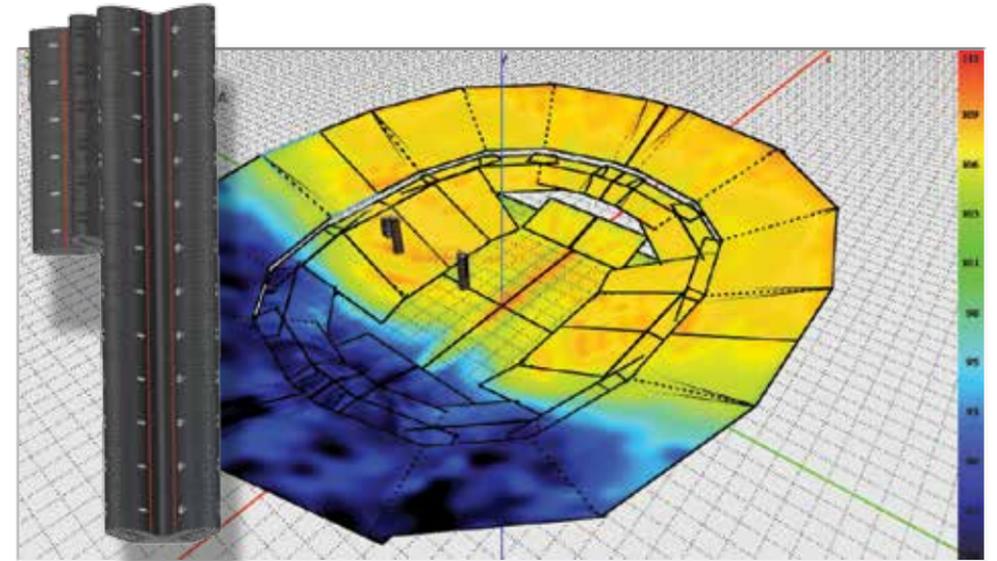
Each time you assemble an array, the self-aware and neighbor-sensitive modules collectively determine their configuration and express themselves to Resolution™ software as a single unit. Based on user specifications, Resolution sends each module – in fact, each transducer – instructions to adapt total array performance for any specified coverage area. These application profiles offer a small sampling of the possibilities.

Large indoor arena, stage right array

This complex, multi-level venue requires two substantial columns to manage the disparate requirements. Each array covers 120 horizontal degrees but with varying vertical directivity from column to column. Still, each array delivers sound as a single, integrated entity.

Coverage Area:
220' x 280'

Broadband SPL
Range (dB):
111.1 – 104.8

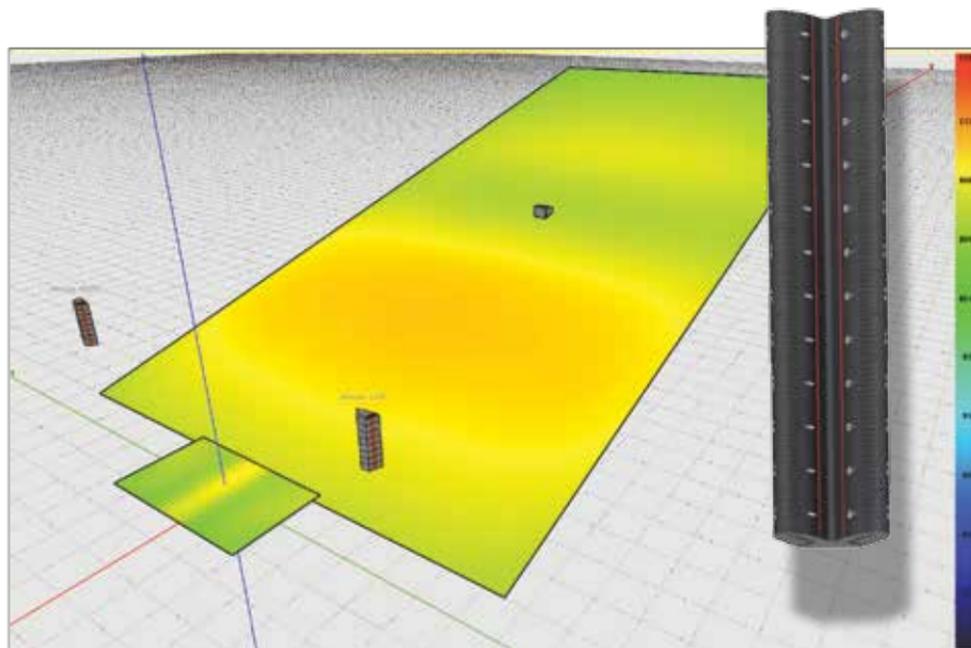


Large, outdoor amphitheater

With just 8 modules per side, Anya covers this very large, steeply raked outdoor amphitheater within +/- 2 dB. Straight hung single columns direct a powerful lobe up 15° to reach the back but rolls off smoothly to the lower section.

Coverage Area:
300' x 150'

Broadband SPL
Range (dB):
110.3 – 106.4

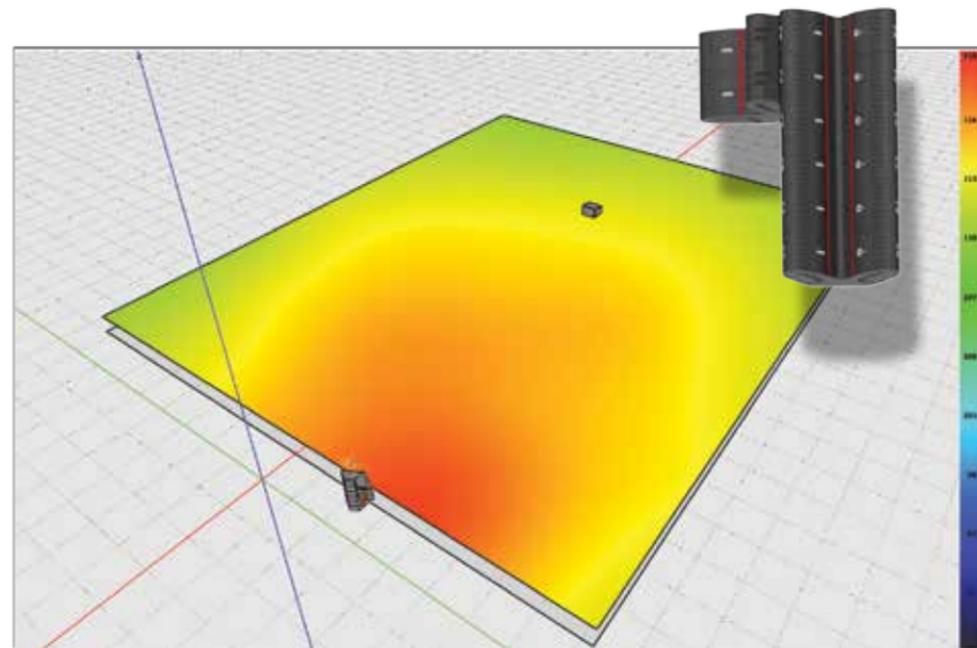


Coachella Festival 2013 (Gobi tent), stage right array

This design for stereo coverage points the 6-module main column to the tent's far corner, covering most of the space. The 2-module outer column fills the immediate nearfield and house left. The stage left array mirrors this performance.

Coverage Area:
200' x 165'

Broadband SPL
Range (dB):
117.3 – 113.6





The people of EAW offer their deepest appreciation to all of our partners in the vast network of technical manufacturing expertise that makes Anya possible. Many of them are near us in the northeast USA, but they span the globe. We hope we've done you proud.

In particular, we would like to thank *LOUD Technologies* CEO Mark Graham for insisting that we produce this innovation and that we make it a beautifully-designed product. He gave us both the space and the directive to get the job done, and the process has improved our company in a permanent way. Thank you, Mark, for your leadership.

Finally, EAW must again thank Dave Rat and Jon Monson of *Rat Sound*. Their insights have improved this product immeasurably. On behalf of all the roadies whose jobs you've made easier by focusing on the details, thank you for showing us how it's done.



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