



## Software News

August 2017

### EAW Resolution v2.4.0.87 Release Notes

**Previous Version:** EAW Resolution v2.3.0.123

Resolution 2.4 contains a number of usability improvements and bug fixes, greatly improving user workflow in model building. For any questions, contact the Application Engineering team at [design@eaw.com](mailto:design@eaw.com).

*NOTE: Resolution 2.4 includes updated firmware for Anna. Updating to this version of firmware is strongly recommended.*

Key features in this release are listed below:

#### *Multi-Select for Surfaces and Arrays*

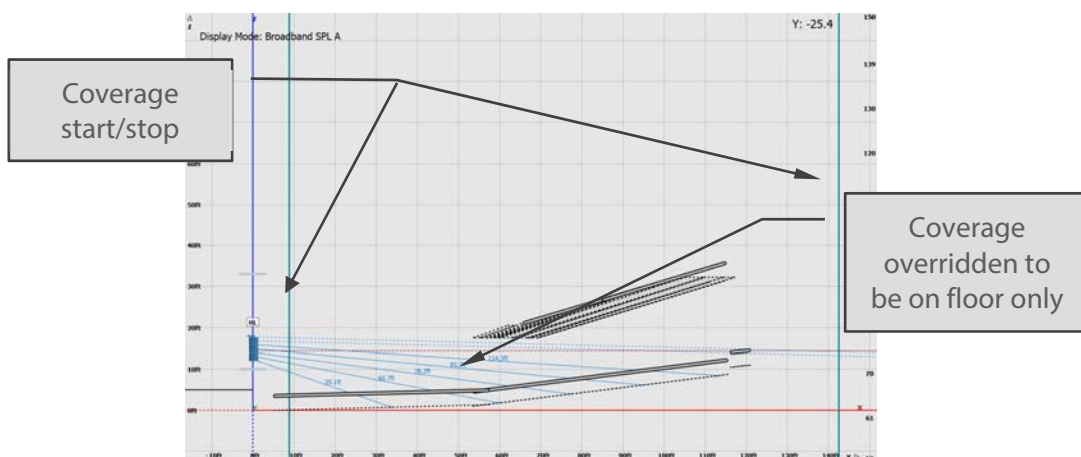
Users can now manipulate properties such as Solo, Lock, Audience/Non Audience, Ear Height and Hidden on as well as mass deletion on multiple surfaces or loudspeakers simultaneously. This saves significant time when editing models. To use multi-select, hold CTRL while selecting individual surfaces or arrays, or SHIFT to select a range of surfaces or arrays. Users can also access multi-select functions from the right-click menu.

#### *Massive Speed Improvements*

Resolution is now significantly faster due to better utilization of multi-core CPUs, achieving speed increases of up to 300% over previous versions. This includes both acoustical model and SPL calculations.

#### *Adaptive Coverage Start/Stop Z-Override*

Adaptive array coverage can now be limited vertically, employing the same 'z-override' feature as in Spatial EQ. This can be useful in venues with balconies that overlap the main floor. In the following example, the Z values exclude the balcony such that the array only covers the main floor:





### Other Changes and Improvements:

- RSX208L voicing now defaults to x6-8 (white), resulting in more accurate SPL predictions with a majority of user configurations.
- Fixed an issue where Dante Services would require a restart after being installed but did not inform the user, resulting in an error until the computer was restarted.
- Fixed an issue where Resolution would sometimes take long periods of time to change Adaptive coverage in very large venue and system models.
- Fixed an issue where the 3D rotation function in Free View would not work if the model had vertical (90-degree) surfaces.
- Improved Anna near-field coverage consistency in situations where audience areas are at extreme down-angles relative to array.
- The Parameter Sync feature now includes even more robust error checking.
- The Help File has been significantly updated to include new features.
- Includes updated firmware
  - Anna -- 1.0.19.0. Improves long-term reliability in situations where the system is power cycled very frequently.

### Known Issues:

- EASE export may fail for larger Anya arrays.
  - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.
- The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the -X direction because arrays default to aiming in the +X direction.
  - Workaround: Adjust panning so that array is aimed in -X direction (180 degrees). This can be done in the second page of the Array Assistant.
- The PC may need to restart upon completion of the Resolution installation due to the updates to Dante Services.
  - Workaround: None. Allow computer to restart. Do not install new versions of Resolution in situations when it is critical that the computer not be restarted. If other programs are running, Windows will prompt the user to save their work before closing.



## EAW Resolution v2.3.0.123 Release Notes

**Previous Version:** EAW Resolution v2.1.4.98

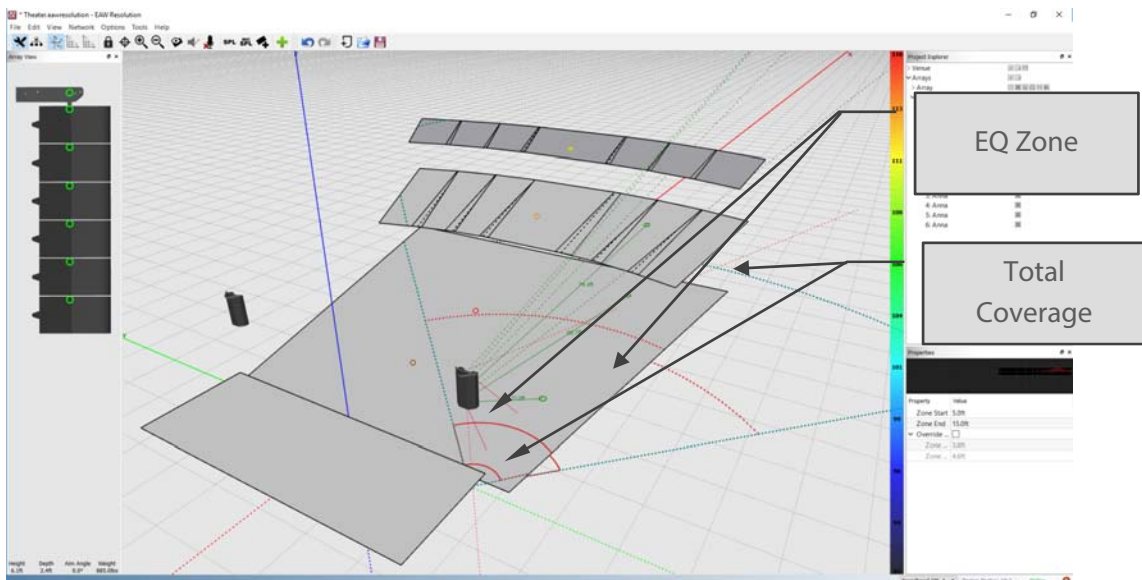
Resolution 2.3 contains many significant improvements and bug fixes, greatly improving the user experience. For any questions, contact the Applications team at [design@eaw.com](mailto:design@eaw.com). *Note that a firmware update is required for Anna and Anya to access key Resolution 2.3 features.*

Key features in this release are listed below:



Resolution 2.3 introduces Spatial Equalization for Adaptive Systems, a new and unique technology that allows users to equalize parts of the coverage by simply selecting the audience areas in which the change is desired and applying the desired equalization. The Adaptive system then determines the processing necessary to achieve the goal and implements it, in real time. This saves massive time and effort when on-site setting up a system and produces superior results compared to any conventional line array system. **For the first time, users can truly EQ the room instead of the sound system.**

For more detail on this feature, please see the Spatial Equalization Technical Paper and the Spatial Equalization Overview video.



### Improved Air Loss Compensation

This version of Resolution provides a new Air Loss Compensation algorithm for Adaptive systems, generating significantly greater high-frequency throw while also improving HF consistency throughout the entire venue. Additionally, this feature allows users to optimize the HF response of

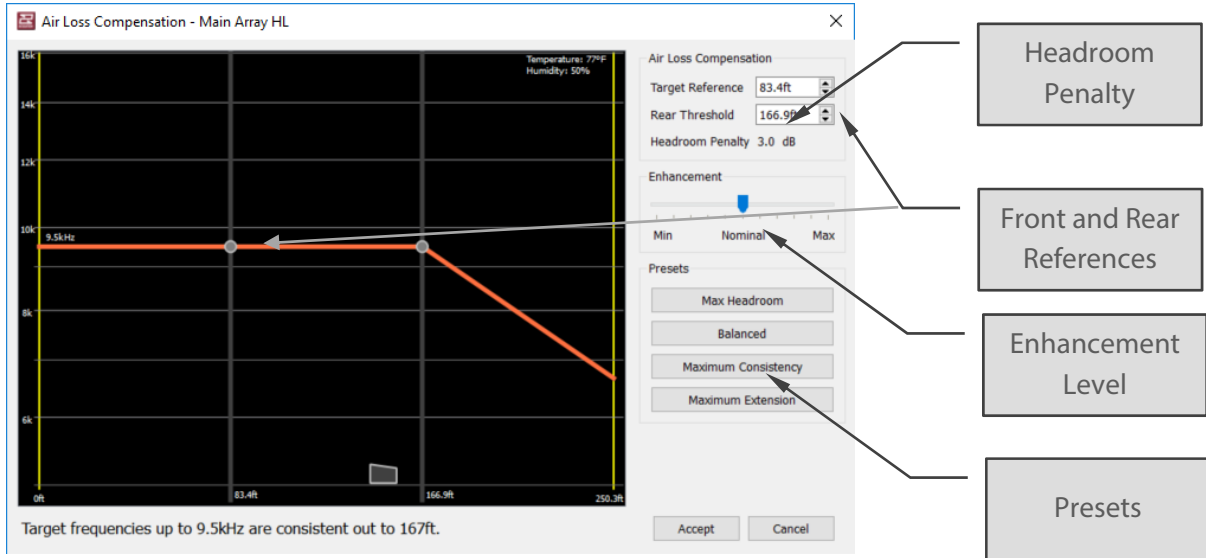


their system for different situations, trading between headroom, throw and extension, providing up to 12 dB of additional HF energy at distances of 300 feet or more from the array.

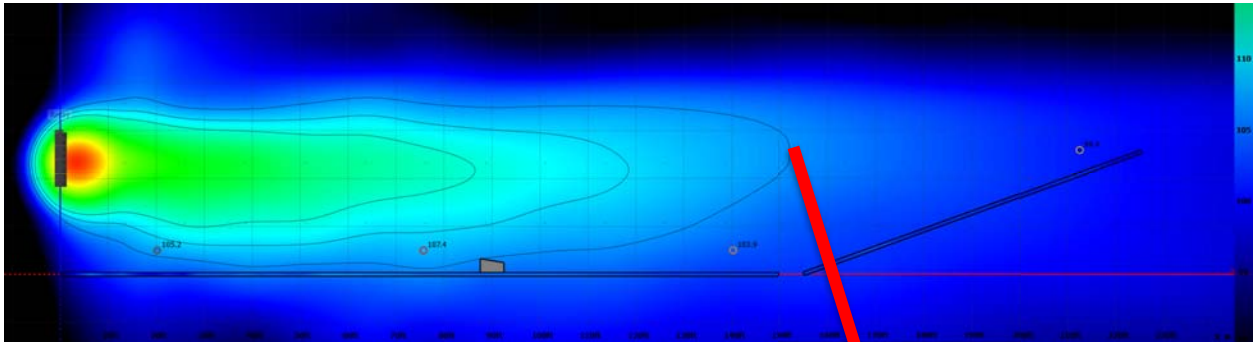
Adaptive users can access this feature by clicking on the “AL” button at the array level under the Project Explorer. In this control panel, users have a number of new controls:

- **Headroom Penalty** – Indicates the reduction in high-frequency headroom expected with the current user parameters (Note: User must hit ‘Apply’ for these to be applied to the acoustical model).
- **Target Reference** – Indicates the distance reference for the high-frequency tonality the user desires for the entire coverage area. In other words, the high-frequency roll-off characteristic for *this distance* will be used as a target for the rest of the coverage area. This can be set by dragging the point on the graph, or by entering numerical values into the dialog box. Closer distances will result in more extended high-frequency response at the expense of headroom, while greater distances will reduce high-frequency extension but will increase headroom.
- **Rear Threshold** – Indicates the distance limit to which the user wishes to maintain the target high-frequency tonality. This can be set by dragging the point on the graph, or by entering numerical values into the dialog box. Closer distances will result in greater high-frequency roll-off at the rear of the coverage but will improve headroom, while the greater distances will reduce high-frequency roll-off at the rear of the audience at the expense of headroom.
- **Enhancement Level** – An overall level adjustment for the amount of air loss compensation being applied to the system. Increasing this will improve high-frequency throw at the expense of headroom.
- **Presets** – Provides a number of pre-defined starting points for user setup convenience. These are also provided in the Array Assistant.

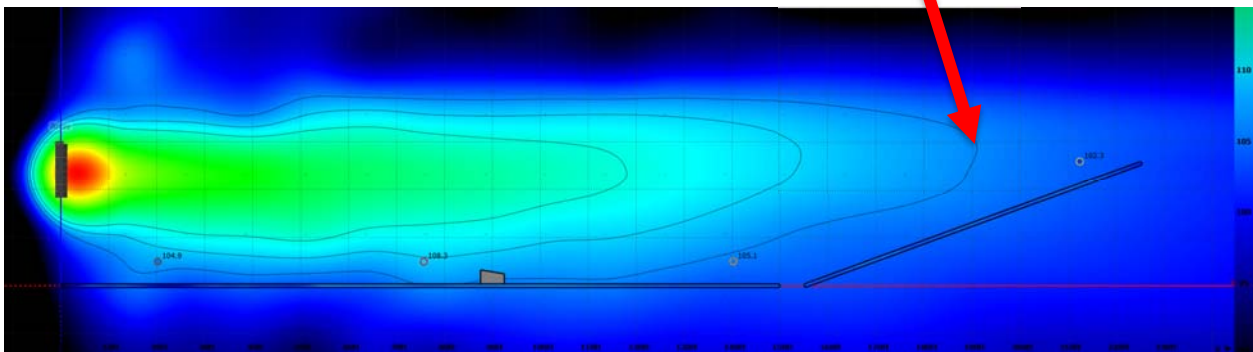
The control panel itself can be seen on the following page.



A typical array's high-frequency response in earlier versions of Resolution:



A typical array's high-frequency response in this version of Resolution. This system extends high-frequency throw, as can be seen by the extension of the coverage contour lines much further back in the venue.



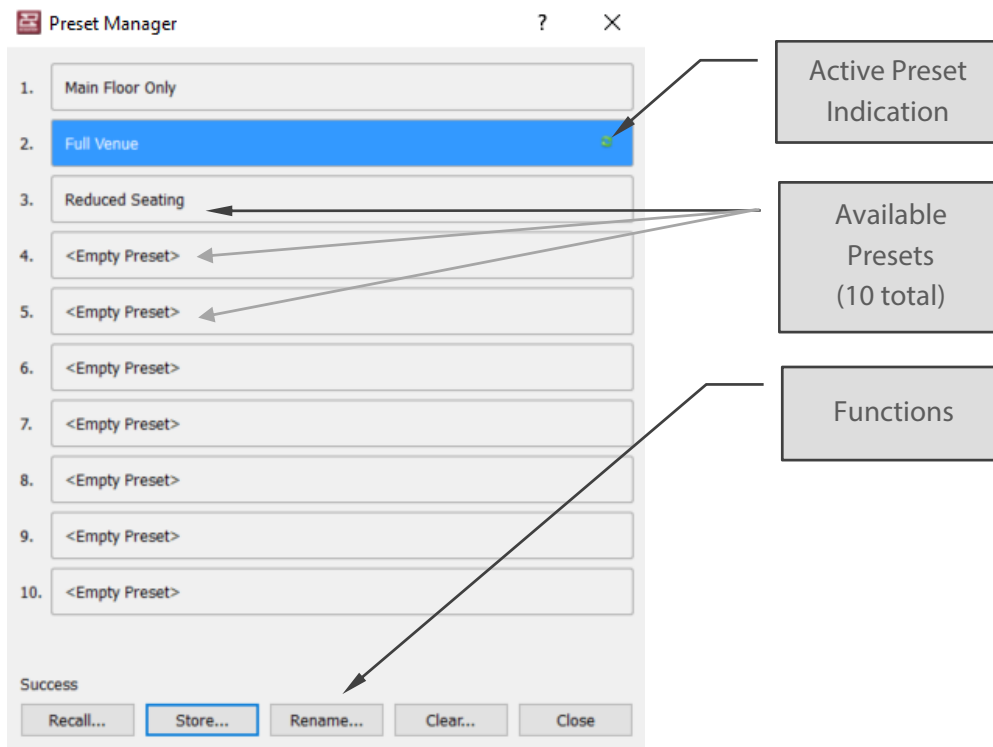
## Preset Recall



This version of Resolution allows Adaptive users to easily store and recall system states via Resolution for quick access. With this feature, radically different coverage and voicing settings can be recalled within seconds with only a few mouse clicks, enabling users of all skill levels to leverage the enormous power of Adaptive Systems.

As an example, Preset Recall could be used with a permanently-installed system to accommodate different venue uses – the main floor only, the main floor + the balcony, and only a section of the main floor, as examples – depending on attendance for a particular event. This ensures that the sound system is directing energy only where there are audience members, minimizing reverberation and enhancing clarity.

The Preset Manager window (accessible via the Network Menu when online) is shown below:





## Other Changes and Improvements:

- Added feedback to the user if the Adaptive array input Dante subscription fails for any reason (i.e. more than 32 receivers are attempting to subscribe to a device via a unicast flow).
- Adaptive array temperature faults now prompt the user with the option to perform Adaptive Healing on the array.
- Adaptive coverage lines are now visible on elevated surfaces.
- Number of modules that can be added to an array is now limited to 50 (formerly had no limit, so users could accidentally type very high numbers).
- Fixed issue where LED settings for Adaptive modules could revert to 'Off' without the user's input after an Array Parameter upload in some cases.
- Fixed issue where Resolution could crash when re-running the Array Assist with a ground-stacked RADIUS system with RSP-1 and RSP-2 pole mounts.
- Fixed issue where left and right Adaptive arrays could sometimes have very small differences in coverage due to slight venue asymmetries.
- Fixed issue where CSV export added unexpected characters.
- Fixed issue where side view mouse z-value was wrong when hovering over a surface with an ear height other than zero.
- Fixed an issue where Array View text could be cut off when running Resolution on Windows 10.
- Fixed an issue where the Project Explorer would not show modules in manually-added columns for Adaptive arrays.
- Fixed issue where Design Factor dialog text could be cut off on Windows 10.
- Fixed issue where Resolution could temporarily hang when the acoustical model calculation reaches 100%.
- Fixed issue where locked virtual microphones could still be edited.
- Fixed issue where right-clicking above the horizon in Free View and adding a virtual microphone or surface could add that object behind the user's perspective.
- Includes updated firmware (update is required to use new Resolution 2.3 features):
  - Anya – 1.0.44.1
  - Anna – 1.0.18.0
- Updated firmware for Anya also improves fan logic for reduced noise in quiet environments.



### Known Issues:

- EASE export may fail for larger Anya arrays.
    - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
  - Reading logs from Adaptive systems can sometimes take a long time or fail.
    - Workaround: Retry log request.
  - The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the -X direction.
    - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
  - When installing Resolution, Dante Services requires a restart to function but does not alert the user.
    - Workaround: Restart the computer after installation before using Resolution.
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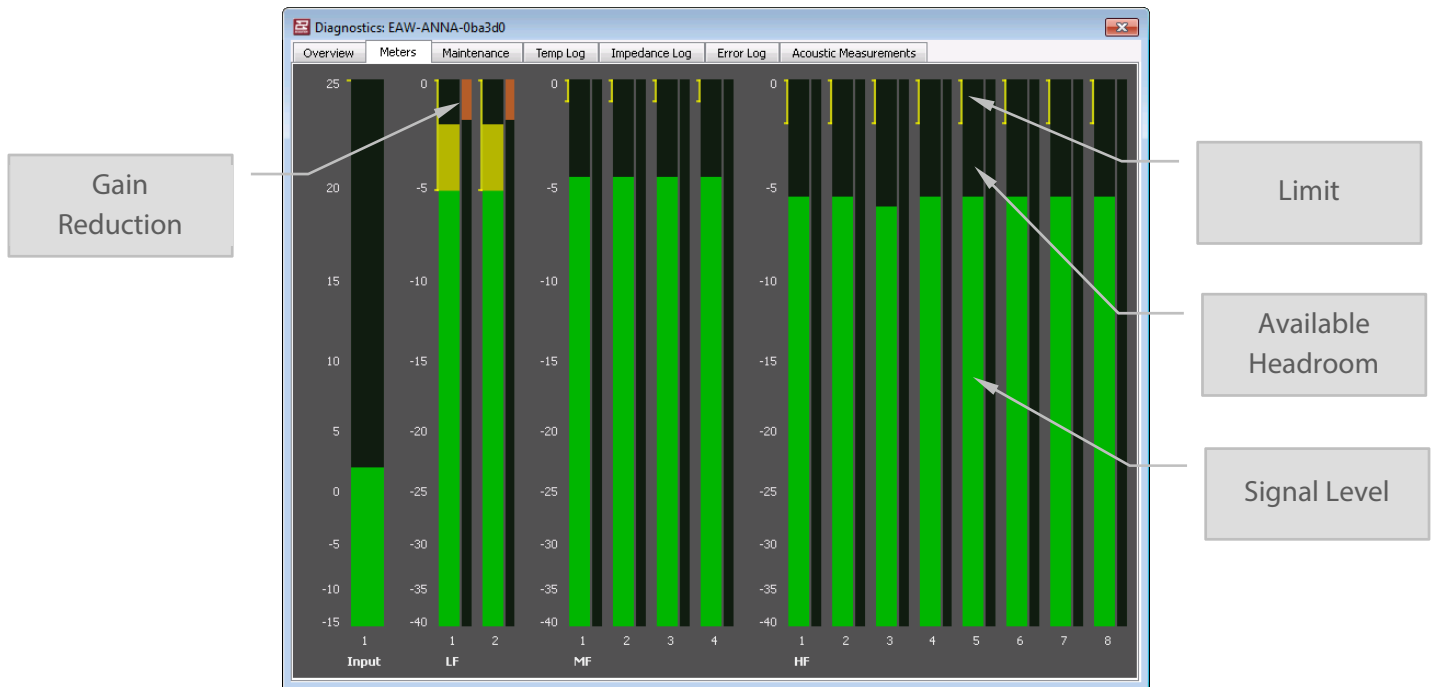
## EAW Resolution v2.1.4.98 Release Notes

**Previous Version:** EAW Resolution v2.1.3.84

Resolution 2.1.4.98 contains many significant improvements and bug fixes, greatly improving the user experience. For any questions, contact the Applications team at [design@eaw.com](mailto:design@eaw.com). Key features in this release are listed below:

### *Improved Metering for Adaptive Products*

The module metering for Anya, Anna and Otto has undergone a significant redesign to provide more precise, clearer information. Now, users can determine available headroom before the onset of limiting with just a quick glance. Limit thresholds are now indicated by yellow bars on the left side of each channel, with gain reduction (when active) on the right side of each channel as shown below.



The update speed for the metering display has also been increased by approximately 5x on Anna, providing much more responsive feedback to the user. This change will be implemented in Anya and Otto in early 2017 as well but will require a firmware update.

Additionally, the input meter scale now changes depending on the type of input selected. When "Analog" is selected, the input meter units are scaled in dBu, corresponding to input voltage. When AES or Dante is selected, the input meter is scaled in dBFs.

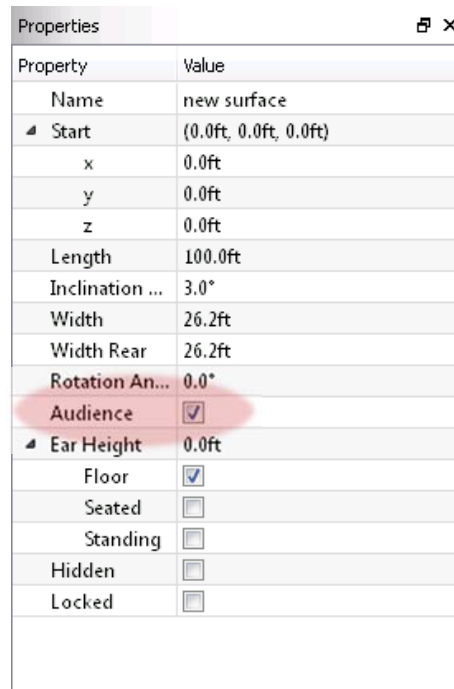
### *Non-Audience Surfaces*

Users can now add surfaces to a Resolution design for visual reference and SPL mapping, but exclude them from coverage via the "Audience" checkbox in each surface's Properties pane. This enables users to now enter and display architectural surfaces in a venue (such as ceilings and walls) that are useful for visual reference and/or to see SPL mapping, but that should not be covered by the sound system.



When “Audience” is unchecked, SPL will still plot on surfaces. The “Hidden” option will prevent SPL from plotting on surfaces, but they will still be covered by the sound system unless “Audience” is also unchecked.

NOTE: Non-audience surfaces are not included in Resolution’s verification of shadowing by surfaces. In other words, if a surface is not indicated as “Audience”, Adaptive algorithms will completely ignore it, which may result in aiming lines intersecting non-audience surfaces while actually covering the audience surfaces behind it.

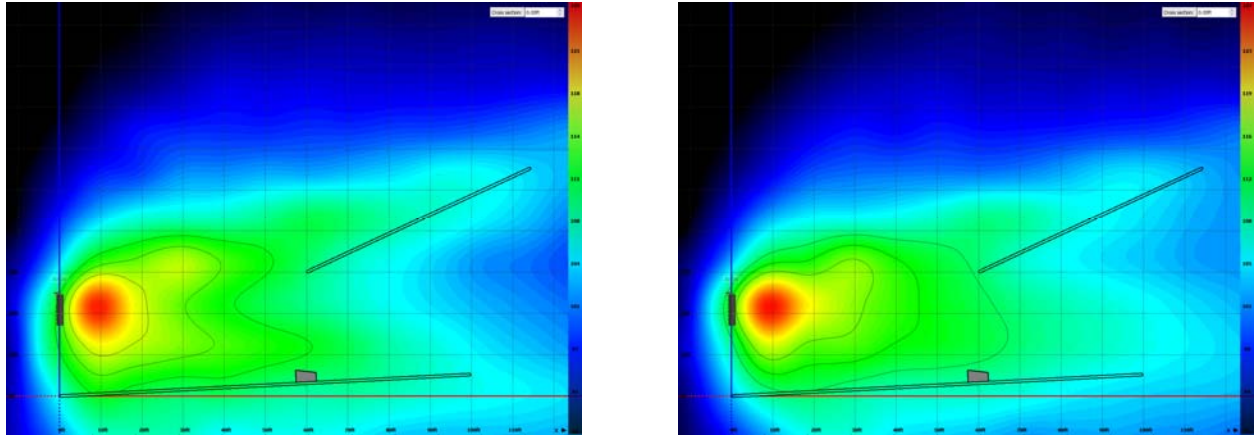


Property	Value
Name	new surface
Start	(0.0ft, 0.0ft, 0.0ft)
x	0.0ft
y	0.0ft
z	0.0ft
Length	100.0ft
Inclination ...	3.0°
Width	26.2ft
Width Rear	26.2ft
Rotation An...	0.0°
Audience	<input checked="" type="checkbox"/>
Ear Height	0.0ft
Floor	<input checked="" type="checkbox"/>
Seated	<input type="checkbox"/>
Standing	<input type="checkbox"/>
Hidden	<input type="checkbox"/>
Locked	<input type="checkbox"/>

By default, newly-inserted surfaces have the ‘Audience’ parameter enabled.

## Improved Surface Isolation for Adaptive Systems

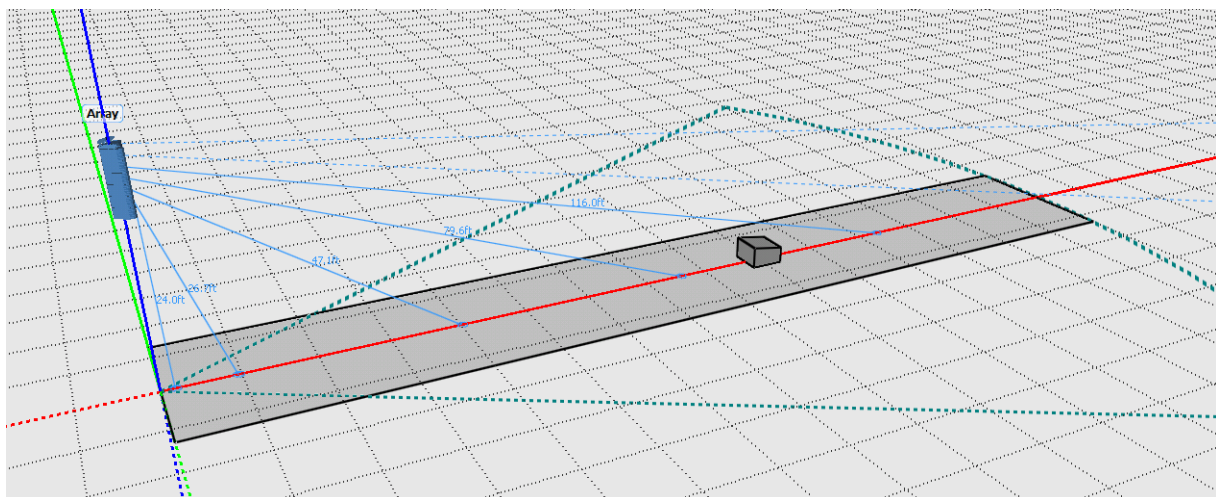
This version of Resolution significantly improves Anya and Anna's ability to avoid areas between surfaces, both increasing the isolation of the audience surfaces from a building's architecture and further improving SPL and consistency. With this improvement, SPL is reduced between audience surfaces by as much as 10-15 dB (the reduction will vary by audience geometry and array configuration).



NOTE: It is **not necessary** to define non-audience areas to achieve this effect. Resolution will automatically reduce SPL between active audience surfaces

## Adaptive Aiming Lines

Resolution now allows users to see the general aiming and allocation of sources in Adaptive arrays. Though this view is simplified (2 lines per enclosure), it provides users with a quick visual indication of how the array is covering the audience and if any areas of the venue are shadowed (Adaptive arrays will not 'shoot' through one surface to reach another). Additionally, users can quickly assess the 'throw' or coverage distance to various audience areas by simply reading the distance associated with each aiming line.

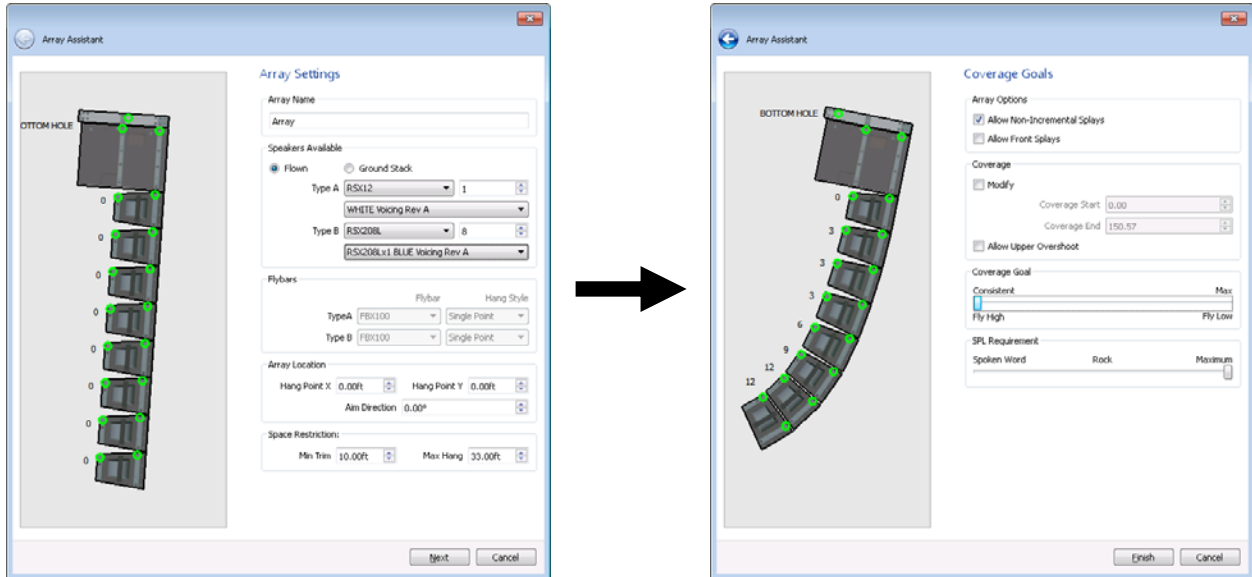


## Array Assistant with Mixed Full Range + Subwoofer Arrays



Resolution's Array Assistant will now fully optimize splay angles for arrays with mixed full-range and subwoofer modules, making products like RADIUS (RSX208L + RSX12), KF (KF730 + SB730) and others even easier to use than before.

An example system is shown below before and after splay optimization:



NOTE: it is necessary to include both subwoofers and full-range modules on page 1 of the Array Assistant. Subwoofers will not be included in the array unless a quantity of 1 or more is added to the array by the user.

### Other Changes:

- Added "Use Multicast" option when assigning inputs of Adaptive arrays. This permits more than 32 modules to be subscribed to a Dante transmitter (such as an Adaptive module).
- Added warning when attempting to link processing for arrays of different type.
- Improved software update status indications.
- Suppressed tilt sensor warnings for Adaptive systems.
- Added ability for Resolution to save directly to image files (in addition to clipboard).
- Added option to disable acoustic calculations ("Enable Calculations", under the "View" menu).
- Fixed issue where Otto gain structure was lower than expected in certain rare cases.
- Fixed issue where Resolution could crash when disconnecting from a network.
- Fixed issue where Resolution could crash when deleting Otto modules from an array.



- Improved Otto acoustical model calculations. Resolution will no longer sometimes pause for long periods of time at 40%.
- Improved speed at which Resolution recalculates the acoustic model for Adaptive Systems after changes are made to a design.

#### **Known Issues:**

- EASE export may fail for larger Anya arrays.
    - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
  - Reading logs from Adaptive systems can sometimes take a long time or fail.
    - Workaround: Retry log request.
  - Coverage lines are not visible on elevated surfaces (greater than  $z=0$ ).
    - Workaround: Rotate 3D venue model perspective vertically (so as to view underside of model) to see location of coverage lines.
  - The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the  $-X$  direction.
    - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
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## EAW Resolution v2.1.3.84 Release Notes

**Previous Version:** EAW Resolution v2.1.3.83

### Changes:

Adds EAW RADIUS family loudspeaker data – NOTE: Users may need to enable **loudspeakers and flybars** in Resolution Inventory Manager (see Help File for details) in order to use them.

Models include:

- RSX208L line source
- RSX129 and 126 point sources
- RSX89 and 86 point sources
- RSX12 flyable subwoofer
- RSX18 ground-supported subwoofer
- FBX100 flybar for RSX208L and RSX12

### Known Issues:

- EASE export may fail for larger Anya arrays.
  - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.
- Coverage lines are not visible on elevated surfaces (greater than  $z=0$ ).
  - Workaround: Rotate 3D venue model perspective vertically (so as to view underside of model) to see location of coverage lines.
- Progress bar for Otto acoustic model sometimes pauses at 40% (20% or 70% for two arrays).
  - Workaround: N/A. Acoustic model calculation time varies by array. Allow calculation to complete.
- The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the  $-X$  direction.
  - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
- An Adaptive Systems module cannot serve as an on-ramp for more than 32 modules. This occurs because routing is established as unicast flows (which have a limit of 32).



- Workaround: Configure Dante flow from on-ramp module as multicast prior to selecting inputs in Resolution. Audio routing via Resolution (via normal input assignment process) will then be multicast.

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## EAW Resolution v2.1.3.83 Release Notes

Date: June 6, 2016

**Previous Version:** EAW Resolution v2.1.2.76

### Changes:

- Adaptive Systems Enhancements
- Improved log files. Saved log files can be opened via File > Open even when the devices are not online.
- Improved surface detection in design mode.
- Improvements to Anna fan speed management.
- Added support for multicast routing.
- General Updates
  - Improvements to the Equalizer View.
  - Resolution “updating” procedure now includes status messages.
  - Minor bug fixes.
  - Includes updated firmware (see Help File for update procedure)
  - Anna (1.0.15.0)
  - Improves stability for systems left powered on continuously for extended periods of time.

### Known Issues:

- EASE export may fail for larger Anya arrays.
  - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.
- Coverage lines are not visible on elevated surfaces (greater than z=0).
  - Workaround: Rotate 3D venue model perspective vertically (so as to view underside of model) to see location of coverage lines.



- Progress bar for Otto acoustic model sometimes pauses at 40% (20% or 70% for two arrays).
  - Workaround: N/A. Acoustic model calculation time varies by array. Allow calculation to complete.
- The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the -X direction.
  - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
- An Adaptive Systems module cannot serve as an on-ramp for more than 32 modules. This occurs because routing is established as unicast flows (which have a limit of 32).
  - Workaround: Configure Dante flow from on-ramp module as multicast prior to selecting inputs in Resolution. Audio routing via Resolution (via normal input assignment process) will then be multicast.

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## **EAW Resolution v2.1.2.76 Release Notes**

Date: February 17, 2016

**Previous Version:** EAW Resolution v2.1.1.75

### **Changes:**

- Adaptive Systems Enhancements
  - Corrected issue where when utilizing a Dante audio input, Adaptive arrays receiving audio from any source channel other than 1 will indicate an unsynchronized input but actually have the correct channel selected in Dante Controller.
  - Improved communications via Dante API, resulting in significantly faster online system discovery.
  - General Updates
- Minor bug fixes.

### **Known Issues:**

- EASE export may fail for larger Anya arrays.
  - Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.





- Coverage lines are not visible on elevated surfaces (greater than  $z=0$ ).
  - Workaround: Rotate 3D venue model perspective vertically (so as to view underside of model) to see location of coverage lines.
- Progress bar for Otto acoustic model sometimes pauses at 40% (20% or 70% for two arrays).
  - Workaround: N/A. Acoustic model calculation time varies by array. Allow calculation to complete.
- The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the  $-X$  direction.
  - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
- An Adaptive Systems module cannot serve as an on-ramp for more than 32 modules. This occurs because routing is established as unicast flows (which have a limit of 32).
  - Workaround: Configure Dante flow from on-ramp module as multicast prior to selecting inputs in Resolution. Audio routing via Resolution (via normal input assignment process) will then be multicast.

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## EAW Resolution v2.1.1.75 Release Notes

Date: December 17, 2015

**Previous Version:** EAW Resolution v2.1.0.45

### Changes:

- Adaptive Systems Enhancements
- Added Anna and capabilities to generate Anna and mixed Anya/Anna arrays to Array Assistant.
- Added Adaptive Parameter Sync feature, which continually monitors and reports synchronization status between Resolution and Adaptive Arrays.
- Added ability to utilize multiple hang styles within a multi-column Adaptive array (accessed by the 'Properties' pane at the column level).
- Added option to ignore Tilt Errors for Adaptive products, as well as Previous/Next paging buttons for warning banners.
- Improved Acoustic Measurement function for Otto and Anna. As a result, users no longer need to 'Calibrate' after driver replacement (still required for Anya).
- Includes most recent voicings for Anya and Otto to maximize compatibility, reliability and performance.



- Overall Usability Improvements
  - Improved SPL mapping on “Fastest” and “Normal” interpolation levels, reducing calculation time by up to 80% (model-dependent).
  - Added Laser and Cartesian data entry options for improved workflow when using laser distance meters and CAD drawings (respectively) to create venue models.
  - Added Copy, Paste and Link functions for mirroring equalization across multiple arrays.
  - Increased maximum delay time in Array Processing window from 100 milliseconds to 1,200 milliseconds.
  - Added ability to modify quantity of modules in a column or array from Properties pane.
  - Removed ‘Overshoot’ Array Assistant function.
  - Added capability to create trapezoidal audience areas.
  - Added ‘Global Ear Height’ setting.
  - Improved reporting of maximum hang quantities for arrays.
  - Improved legibility of virtual microphone SPL in certain situation.
  - Corrected issue where Array Assistant-generated arrays can sometimes extend below minimum defined trim.
  - Corrected bug where EQ enable/disable state would not store with .eawresolution file.

- Network & Dante Improvements

- Added ability to select both primary and secondary network interfaces.
- Non-EAW products are now listed first in Device List.
- Improved communications via updated Dante API.

- General Updates

- Minor bug fixes.
  - Updated Help File.

### Known Issues:

- When utilizing a Dante audio input, Adaptive arrays receiving audio from any source channel other than 1 will indicate an unsynchronized input, but actually have the correct channel selected in Dante Controller.
  - Workaround: None needed – this is a visual bug only. The arrays have the correct input assigned, as indicated in Dante Controller.
- EASE export may fail for larger Anya arrays.



- Workaround: Contact EAW Application Support for assistance in exporting EASE balloons for large arrays.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.
- Coverage lines are not visible on elevated surfaces (greater than  $z=0$ ).
  - Workaround: Rotate 3D venue model perspective vertically (so as to view underside of model) to see location of coverage lines.
- Progress bar for Otto acoustic model sometimes pauses at 40% (20% or 70% for two arrays).
  - Workaround: N/A. Acoustic model calculation time varies by array. Allow calculation to complete.
- The Array Assistant will sometimes indicate that the array is 'not aimed at a surface' for venues built in the  $-X$  direction.
  - Workaround: Click 'OK', ensure that coverage start and finish are correct, and finish the Array Assistant. The array will be inserted and the acoustic model will still calculate normally.
- An Adaptive Systems module cannot serve as an on-ramp for more than 32 modules. This occurs because routing is established as unicast flows (which have a limit of 32).
  - Workaround: Configure Dante flow from on-ramp module as multicast prior to selecting inputs in Resolution. Audio routing via Resolution (via normal input assignment process) will then be multicast.

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## EAW Resolution v2.1.0.45 Release Notes

Date: December 18, 2014

**Previous Version:** EAW Resolution v2.0.3.50

### Changes:

- Added Otto Adaptive Subwoofer and Otto Array Assistant.
- Several improvements to Network Configuration View for Adaptive systems, including:
- Improved array self-recognition speed and accuracy.



- Added progress bars for improved array feedback.
- Added the ability to reboot modules remotely.
- Added LED options to Array Configuration dialogue for Adaptive Module.
- Added the ability to change inputs even if one or more module is offline.
- Improved handling of communication errors via progress bars and pop-up dialogs.
- Users now have the option to drive multi column Anya arrays either Adaptively or Uniformly (see Help File for more detail).
- Anya and Otto 3D enclosure and flybar models are now significantly more detailed and realistic.
- Adaptive systems acoustical model calculations are now more efficient; calculation time is greatly reduced.
- X, Y and Z-axis lines in the negative direction are now dashed for easier identification.
- Numbering of array elements now only includes loudspeakers (accessories such as flybars and adapter bars are tracked with letters instead of numbers) for easier array size identification.
- General minor bug fixes.
- Updated Help File.
- Includes updated firmware (see Help File for update procedure)
  - Anya (1.0.39.0)
    - § Adds level- and temperature-dependent fan speed control.
    - § Power Plants now keep input panel "Test" indicator illuminated while powered on for improved visibility of module status.
  - Otto (0.1.9.0)
    - § Initial release.

#### Known Issues:

- EASE export may fail for larger Anya arrays.
  - Workaround: Contact EAW Application Support.
- Reading logs from Adaptive systems can sometimes take a long time or fail.
  - Workaround: Retry log request.
- Coverage lines are not visible on elevated surfaces (greater than  $z=0$ ).
  - Workaround: Rotate 3D venue model vertically to see location of coverage lines.



- Virtual microphone SPL text sometimes does not display properly with complex surface geometries.
  - Workaround: Rotate 3D venue model to see text.
- Array Assistant-generated arrays can sometimes extend below minimum defined trim in situations with very tight height constraints.
  - Workaround: Re-run Array Assistant with reduced array size until constraints are met.
- Progress bar for Otto acoustic model sometimes pauses at 40% (20% or 70% for two arrays).
  - Workaround: N/A. Acoustic model calculation time varies by array.

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### **EAW Resolution v2.0.3.50 Release Notes**

Date: July 7, 2014

**Previous Version:** EAW Resolution v2.0.2.48

#### **Changes:**

- Enhanced implementation of Air Loss Compensation for very long throw distances using Anya.
- Improved handling of audience surfaces shadowed from array coverage in complex venue geometries.
- Updated "Create PDF" function for Anya arrays, no providing significantly more detail about rigging points and loads.
- Inclusion of updated Audinate Dante Redistributable, no longer requiring some users to install it separately.
- General minor bug fixes.

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### **EAW Resolution v2.0.2.48 Release Notes**

Date: April 25, 2014

**Previous Version:** EAW Resolution v2.0.1.39

#### **Changes:**

- Added display of current cursor position 3D coordinate and SPL value.
- Added trace storage capability for virtual microphone frequency responses.
- Added audience ear height selection for each surface (used for SPL mapping, virtual microphone placement and array coverage calculation).



- Minor improvements to mechanical calculations in Array Wizard, particularly for mixed-model arrays.
- Removed dimensional limitations on ground-stack stage height.
- Added “Mic SPL” toolbar button for even faster SPL calculation.
- Improved “Copy image to clipboard” function.
- Improved Network Configuration View functionality, including:
  - “Unassign All” right-click option for Anya arrays.
  - Array placement on page is retained with file.
  - Improved Anya-related functionality:
    - Addition of “Sapphire” voicing.
  - Improved EASE export function for Anya arrays. All columns in multi-column arrays now export as single balloon.
  - Improved acoustic model recalculation workflow.
  - Minor improvements to Adaptive Performance™ algorithm to handle unusual
  - Audience geometries and air loss pre-emphasis for longer throws.
  - Find Me (Trilateration) function process now includes more comprehensive dialogs.
  - Improved “Auto Identify” behavior; LEDs now turn off after 10 seconds or immediately on deselect.
- Anya banner warnings are more specific.
  - Updated Help File.
  - General minor bug fixes.

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## **EAW Resolution v2.0.1.39 Release Notes**

Date: February 19, 2014

**Previous Version:** EAW Resolution v2.0.1.28

### **Changes:**

Improved graphical functionality, including:

- Addition of zoom +/- functionality for frequency response window.
- Users can now define the Y-value of the cross-sectional view in X-Z view.



- Improved visibility of SPL microphones.
- Added "Unsolo All Arrays" toolbar button.
- Addition of shortcut keys and menu options for Free, Side and Top views.
  - Enhanced menu operation including additional right-click functions such as:
- "Clone" feature for virtual microphones in Venue Configuration window.
- Direct access to processing for Arrays and Loudspeakers in Project Explorer window.
- "Add Array", "Add Surface" and "Add Mic" in Venue Configuration window.
  - Improved "Create PDF" output and refined mechanical calculations for some loudspeaker models.
  - Added option to manually recalculate acoustic model if desired.
  - Improved handling of non-English characters.
  - Refined integration with Anya systems:
- Further improved "Upload Array Parameters" behavior when making changes to model.
- Added ability to define LED behavior.
- Improved handling of low-frequency coverage for Anya arrays in certain near-field scenarios, and overall EQ optimization.
- This installer also includes Anya voicing version 1.5 (see release notes under "Inventory Manager" for details). Previous voicing revisions are still included.
  - General minor bug fixes.

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## **EAW Resolution v2.0.1.28 Release Notes**

Date: August 22, 2013

**Previous Version:** EAW Resolution v2.0.0.26

### **Changes:**

- Array Assistant improvements & bug fixes - "Array Wizard" changed to "Array Assistant", moved aim angle to, default coverage changed from 180 to 90 degrees, online array editing improvements
- Coverage assignment improvements - Asymmetrical horizontal coverage fields allowed (relative to array)
- Frequency Response window improvements - added CSV export, copy to clipboard to right click menu, toggle icon bar auto re-size



- Anya diagnostic screen improvements - more intelligent impedance feedback, acoustic measurement improvements
- Added toolbar options - hide all floors button, undo/redo buttons, file & edit toolbars
- Acoustic/SPL workflow improvements - less recalculations & button presses required
- Microphones improvements & bug fixes - Microphones can be locked, "Find Me!" results default to locked
- Array & surface naming improvements & bug fixes - "floor" changed to "surface"

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### **EAW Resolution v2.0.0.26 Release Notes**

Date: August 6, 2013

**Previous Version:** EAW Resolution v1.3.1.39

#### **Changes:**

- Initial release of EAW Resolution 2.0

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For all questions, please contact [design@eaw.com](mailto:design@eaw.com)