



For technical support contact D3@martin-audio.com

Minor build update

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Introducing

Display 3 1.1.3 follows the public release 1.1.b2 (17 September 2026) and is offered as an update to every 1.1.b2 installation. From this release, version numbers no longer carry a "b" (beta) suffix. These notes cover all changes up to 13 October 2026.

Channel Limiting per cabinet

The Channel Limiting widget now shows one headroom meter per cabinet, each showing the cabinet's most-limited channel. Tick **See All Channels** to see a meter for every channel. All gain and limit meters in Display 3 now appear almost instantly (#245).

Faster, more precise Slice editing

The Slice view opens in about a second and stays responsive. Holding Cmd/Ctrl while drawing or dragging keeps a line horizontal or vertical, and lines it up with the venue and the speaker plane (#233).

Torus in the Rig view

The Rig view and the rigging PDF now draw Torus clusters, with their pick points and angles (#223).

Getting Started Guide

A Getting Started Guide is now available from the Help menu, below Release Notes, and the installer offers to open it when installation finishes.

Additions

Slice

- Holding Cmd/Ctrl while drawing or dragging keeps a line horizontal or vertical. With Snap on, it also snaps to where it crosses the venue section or the speaker plane's edges, lines up with any venue vertex or speaker plane corner, and squares a dragged vertex with the next one, shown by a dashed guide. The speaker plane's corners are snap targets too (#233).
- Deleting the slice asks for confirmation, and Cmd/Ctrl+Z opens the History dialog (#233).

SPL calculation

- SPL Frequency Response tool: each accumulated trace is marked by a sphere in the venue, the legend scrolls, the show/hide settings are saved with the project, and a chart is always drawn for a narrow band (#214).

Rigging and Torus

- The Rig view and the rigging PDF draw Torus clusters: outlines with pin holes, each pick-point marker in its hole, angles read from the rig, and labels kept clear of the drawing and of each other (#223).
- Torus has a Lift Type control (#223).

Systems, Devices and widgets

- Channel Limiting: one headroom meter per cabinet, showing its most-limited channel, under the title "*name* Cabinets". **See All Channels**, at the bottom of the widget, shows a meter for every channel under "*name* Channels" (#245).
- The Devices pane shows the speaker type beside each setup's name (#193).

Help

- A Getting Started Guide, in the Help menu below Release Notes. The installer's final screen offers to open it, with a **View Getting Started Guide** option (ticked by default) below the release notes option.

Changes

Slice

- The Slice view opens in about a second and stays responsive while you work. An "Initialising" overlay shows while it prepares, and the SPL chart is drawn as a heatmap. Dragging keeps up with the pointer.

Rigging and Torus

- A new Torus starts single-point (#223).
- A turned sub array is laid out along its own axis and fitted to the window, and the rigging PDF dimensions the sub array's span above its cabinets, as the Rig view does.

EASE export

- The matching GLL shell is written out with the XGLC, and the export runs in the background with progress shown in the status bar (#221).

Systems, Devices and widgets

- Gain and limit meters appear almost instantly: showing every channel of an 18-cabinet WPL takes under a tenth of a second instead of about seven seconds (#245).
- Snapshots panel: Export AmpStack has its own row, below Export VU-NET.

MATLAB Runtime

- Display 3 checks at start-up that the MATLAB Runtime's spectrum data loads, and clears the MATLAB cache once if it doesn't (#198).
- MATLAB Runtime errors advise restarting Display 3, which rebuilds the MATLAB cache, instead of asking you to clear it by hand (#203).

Language and regional settings

- Display 3 runs in English in every region, number fields accept either a point or a comma, and projects are saved in the same number format everywhere (#199).

Speaker data

- Wavefront Precision (WPM, WPS, WPC, WPL): rebuilt with CAD-derived reference points, updated cabinet masses and centres of mass, and the Wavefront Precision series logo.
- The EASE GLL shells are included with the speaker data, for EASE export.

Fixes

Stability

- Closing a project while a value was still being typed could lose that value and crash Display 3 (#231).
- Closing a project could crash Display 3 while background calculations were being stopped (#217), or in the Systems or Devices pane (#224, #187).
- An HF Gain value typed and confirmed after selecting a different cluster crashed Display 3 (#230).
- Saving a project twice in quick succession made the second save fail (#182).
- Leaving the SPL colour scale's maximum level empty crashed Display 3 (#191), as did confirming a whole-number field containing text it couldn't read (#190).
- Mirroring several speakers across a symmetry plane produced mangled speaker names (#180).
- Coverage crashed on a venue face that SketchUp couldn't draw (#185).
- Opening a project with a hidden layer in a large venue could crash Display 3 (#243).

Opening and saving projects

- Opening a file that wasn't a Display 3 project, or a project with no venue, failed with a technical error instead of saying the file wasn't a valid project (#226, #234).

- A project with incomplete sound system data failed with a technical error, instead of being reported as having invalid sound system settings and offered without its sound system (#236).
- A project containing a loudspeaker box type no longer in the speaker library failed to open with a technical error, and Torus clusters were sometimes wrongly treated as such (#202).
- Projects using frames or other library items that had since been renamed or retired failed to open. They are now updated as they open, and you're told what changed (#192).
- A speaker in a group with no saved layout position wasn't placed, and project loading errors didn't say what had gone wrong (#188).
- When the operating system couldn't read a project file (for example, a USB drive removed while it was opening), the message wrongly suggested the file was corrupted or from an incompatible version (#241).
- Saving to a folder the operating system doesn't allow Display 3 to write to (such as macOS's Messages attachments) showed an "unexpected error" dialog, instead of naming the folder and the reason (#240).

Slice

- Older projects containing consecutive vertices at the same position failed to load or solve, and vertices could be placed on top of one another (#222).
- After recalling a snapshot, the SPL chart sometimes wasn't redrawn, and an error while drawing it could leave the "Initialising" overlay showing.
- Showing the trim height crashed Display 3 when the venue provided no section plane (#186).

SPL calculation

- With Fast (GPU) SPL, recalculating after a small speaker move and a Mapping Quality change could crash Display 3, or show results that were wrong or out of date (#189, #242).
- Fast (GPU) SPL could place results in the wrong frequency band and lose the highest band (#225), and could fail with an error in some situations (#207).
- With Legacy SPL, a calculation that failed part-way could be treated as complete, causing errors later (#189).

Rigging and Torus

- A new Torus was rigged two-point, so its pick hole was never shown (#223).
- The rigging report quoted a horizontal Torus's sideways cabinet angle (-90°) instead of its aim (#223).
- A loaded horizontal Torus cluster with more than three cabinets showed only one of its two HRIG frames.
- BGVC1 pick loads and bracket forces changed with horizontal aiming, and mirrored arrays reported different front and rear loading (#232).

Imperial units

- Imperial units weren't applied to Preferences length fields, Venue Shell vertex coordinates, Rig tab safety masses (which also showed a stray "ft" after feet and inches), temperatures or the labels of accumulated microphones (#220).

EASE export

- An exported XGLC wasn't accompanied by a matching, up-to-date GLL (#221).

Systems, Devices and widgets

- Adding or removing a speaker in an input group with its own gain left the group's total gain and headroom out of date (#228).
- Duplicate didn't copy input group membership as Mirror does, and changing a speaker's type lost its own input settings (#229).
- After changing a sub array's box type, the Systems and Devices panes and the 3D label kept showing the old type until the project was reopened (#239).
- The Groups pane covered the SPL colour scale (#197).



- The Array Config widget could fail for a cabinet with nothing above it (#201), and the Shape widget could crash when no input method was selected (#213).

Venue

- Making a hidden layer visible in the Venue context showed its faces in white until you switched to another context and back (#246).

SketchUp import

- Importing a model with a face SketchUp accepted but couldn't triangulate failed (#218).
- When SketchUp couldn't open a file, the dialog didn't say why or which SketchUp version wrote the file (#212).

MATLAB Runtime

- When the MATLAB Runtime's spectrum data couldn't be loaded at start-up, the project workspace failed to open (#198).
- When the MATLAB Runtime was unusable, Display 3 could crash calculating headroom (#200).
- On Windows in languages other than English, MATLAB Runtime error messages arrived garbled (#219).
- On macOS, quitting Display 3 while it was still starting up could crash the MATLAB Runtime (#181).

Language and regional settings

- In some regional settings, project data saved with a comma as the decimal separator couldn't be read back (#199).

macOS

- Uninstalling Display 3 left a stray symbolic link, Display 3/Versions/A/A, behind (#179).
- Menu keyboard shortcuts could act twice.

Speaker data

- Driver impedance data was misread where values contained thousands separators. Affected: BlacklineQ (Q8, Q10, Q12, Q15, Q26, Q44), CDD (CDD5, CDD6, CDD8, CDD10, CDD12, CDD15), Flexpoint (FP4) and TH (THH, THS, THV); their speaker data, GLLs and EASE files have been rebuilt.
- X118 and X218: Source 1's display name was wrong (it now reads Portrait), and the X118, X218, SX118+ and SX218+ EASE files contained outdated configurations.

Known Issues

- Slice: the splay solve can occasionally fail with a MATLAB Runtime error for some geometries (#183, #184, #204, #237).
- The SX218+ can't be set to portrait in the sub array tool (#238).