

HyperMax 12.10.0

Welcome to the HyperMax Release Notes. Please read this document to find important information on areas of HyperMax that may not be covered in the user documentation.

v12.10.0 (Sep 2026)

What's New

- CR-9021 — DVE Sequences — Design your own DVE Timelines and DVE Transitions. Chain DVE keyframes into a timeline and shape them in a visual Sequence Editor. A total of 1000 registers per show are shared between DVE Timelines and DVE Transitions. DVE Timelines load a DVE Sequence and run on any ME or MiniME™ keyer with DVE enabled (DVE Key or Fly Key). Fire sequences automatically with **Auto Trans**, or manually control effect speed on the fader. Sequences are stored and recalled with memories, or loaded within Custom Controls. DVE Transitions use your sequences as DVE Wipe transitions, which are easily accessible from the TouchDrive panel. The full library of built-in 2D and 3D DVE transitions remains available on the last page (registers 961–1000).

Bugs Addressed

- CR-11600, CR-11660, CR-11027 — Editing, copying, or running a Custom Control, or recalling a memory that includes a canvas, no longer crashes the switcher.
- CR-11572 — Boolean licenses from Ross Platform Manager (such as FSFC and extra I/O processing) now apply correctly, and the Licenses page accepts a custom RPM server port.
- CR-11266 — A looping Custom Control that runs MediaWipes no longer floods control messaging or crashes the switcher.
- CR-11558 — Custom Control Logic no longer plays Pause events in an IF branch that is not taken before ELSE IF runs.

v12.1.30 (Sep 2026)

What's New

- CR-11283 — System Color LUT — Apply a Color LUT to internally generated colors of the switcher, such as Matte color, DVE Border colors, and MultiViewer colors. If a Color LUT is set for the System, that LUT is applied to all Media-Store items that do not have a Color LUT assigned to them (set to **None**).

Bugs Addressed

- CR-9252 — Animations transferred to the NFS share from macOS® are no longer broken into several pieces.
- CR-9518 — Captured Media-Store saved to the NFS share now loads on follower blades without requiring a reboot.
- CR-9757 — Corrected long reconnect times when DashBoard appeared to ignore Blast Mode. Connections that wait too long for a blast request are now disconnected, so half-open clients release their slot.
- CR-10470 — Memories at the ends of the Live Assist Memory page are no longer cut off.
- CR-10806 — The DashBoard connection list now updates correctly during connection.



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- CR-10810, CR-11285 — The switcher TCP servers now use TCP keepalive, so a connection whose remote client has disappeared is detected and dropped instead of holding a server slot indefinitely. This covers RossTalk, TSL UMD 3.1, TSL 5.0, and GVG100 TCP.
- CR-10897 — Reconnecting OGP connections no longer accumulate during network instability and fill the maximum connection count, even with the unauthorized list set.
- CR-11094, CR-11488 — Loading a very large set no longer crashes the switcher on a mutex conflict.
- CR-11172 — Changing Switcher Redundancy from Disabled to Sender no longer crashes the switcher.
- CR-11173 — Saving or loading a set no longer causes switcher output glitches on keyers.
- CR-11175 — DVE channel and layer-priority User Select assignments are now saved into a set.
- CR-11176 — Recording a Custom Control no longer adds a DSK Drop event on every hot cut.
- CR-11177 — The OGP process no longer ends and leaves ME P/P unavailable on all DashBoard and TouchDrive clients.
- CR-11179 — Blades now auto-recover after a reboot, and NFS reconnection is no longer slow.
- CR-11180 — Upgrading from a .hypermax file now fully reboots all SDPE blades.
- CR-11182 — The DashBoard Memory page now resizes correctly with the window.
- CR-11183 — Memories are no longer lost after save, reload, or upgrade if an ME had been deleted from a memory.
- CR-11217 — On ME P/P A&B, rapid hot-punches under two seconds no longer leave the source stuck on the previous input.
- CR-11232 — Corrected frame CPU crashes caused by improper Pro-Bel source, destination, and Aux lookups.
- CR-11302 — DVE Border colors no longer stay at full HDR luminance and now follow the System Color LUT.
- CR-11303 — MultiViewer UMDs and Box borders are no longer too bright in HDR and now match the production LUT.
- CR-11390 — MaxScene SDPE blades no longer log repeating link errors between the primary and follower blades after boot.
- CR-11409, CR-11490 — The critical “ DashBoard: sent heartbeat ” message is no longer logged on blades that do not receive a clock update every second, so genuine faults are no longer buried in false criticals.
- CR-11427, CR-11448 — Custom Control Logic variables are now saved to and restored from sets.
- CR-11434, CR-11489 — Disabling redundancy from a Custom Control no longer locks Panel Manager.
- CR-11465 — DashBoard no longer disconnects when loading Personality settings from an older set that contains out-of-range MediaWipe quick-access values.

v12.1.1 (Aug 2026)

What's New

- CR-6676 — Video Border Fill — 2D DVE keys (HD only) can use a video source as the border fill (bus follow, local Media-Store channel, or Clip Player) instead of a solid color.
- CR-9078 — MaxScene layer copy/paste data is now retained independently of the source layer and can be pasted to other layers or scenes.
- CR-9572 — Color LUT Support for Media-Store — Upload and assign Adobe® .cube 1D or 3D LUT files to Media-Store items (Type I or Type III).
- CR-10714 — Caprica MultiFeed support — Split ME A/B background and preset buses and A/B/AB transition targeting are exposed for Caprica / OverDrive® control.

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- CR-11007 — Caprica Compatibility Mode — The switcher limits communication with Caprica to pre v11 feature commands (MultiFeed) for compatibility with current shipping versions of Caprica.
- CR-11103 — An option was added to reset the DashBoard connection on the TouchDrive control panel (**Menu > Reset > Next > Next > DashBoard Restart**) in the event it becomes unresponsive.

Bugs Addressed

- CR-10777 — Fixed an issue where the **Input** menu would list Ultrix™ sources from other routers in a routing system (Ultracore BCS) setup that cannot be routed into the local HyperMax.
- CR-10789 — Fixed an issue where a “ Could not present command to recorder ” error is logged on every Caprica prepare message.
- CR-10811 — HD ME and MiniME™ backgrounds now pass ANC / VANC data (including closed captioning). UHDTV1 and MaxScene ANC pass-through are not available at this time.
- CR-11031 — The Clip Player now accepts 1920×1080 clips in 720p and 1080i switcher video formats, matching the clip format support already available in 1080p modes.

v12.0.1 (June 2026)

What's New

- CR-6222 — GPI triggers now support rising edge detection, allowing separate actions for the on/off state of each GPI input.
- CR-8911 — Added support for user-assignable Aux switch levels for multi-level/multi-switcher database environments. Allows users to switch Aux buses from a central BCS with multiple switchers/frames logically linked together.
- CR-8929 — HyperMax now supports up to 280 logical switcher inputs with patchbay assignments to any input. Any logical input can be assigned to look at any port on any slot in the frame.
- CR-9020 — HyperMax MaxME mode now provides 4x independent programmable outputs, each output with individual keyer visibility assignment, and a selectable pair of background/preset buses (BKGD A / PST A or BKGD B / PST B). Each of the 4 program outputs has an associated preview output.
- CR-9070 — Touch Lock — Panel buttons can now be individually locked by the user: hold Touch Lock and press any button to lock or unlock. To lock the entire panel surface, hold the Menu area Lock button and press any Touch Lock button.
- CR-9073 — Custom Controls now support conditional logic (IF/ELSE/END), user-definable variables, and math operations for advanced live production workflows.
- CR-9074 — Custom Control attachment support — Any physical panel button can now have a Custom Control attached to execute before (pre), after (post), or replace its default function. Pre and Post modes include a user-assignable delay (number of frames to wait before performing the function).
- CR-9109 — Key Priority can now be edited and recorded in Custom Controls.
- CR-9378 — Ross Platform Manager integration — HyperMax integration for SDPE mode control and show file management, supported in RPM Visual Workflows.
- CR-9465 — Memory System — Effects Dissolve now supports Motion Control options: Smooth, Linear, Ease-In, and Ease-Out for more expressive effects.
- CR-10541 — A single TouchDrive panel (TouchDrive v4.0 or newer) can connect to four HyperMax switcher instances simultaneously, with on-the-fly per-row switcher assignment. An instance of HyperMax can be in any network-accessible frame.

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Bugs Addressed

- CR-5663 — Fixed garbage pixel lines appearing on MultiViewer PiP borders when borders are set to off.
- CR-8658 — Fixed an issue where multiple HyperMax switchers in the same frame could overwrite each other's Media-Store database, causing wrong Media-Store files to load.
- CR-9243 — The Clip Player now validates video files on load and clearly indicates unsupported formats, preventing playback failures.
- CR-9441 — Fixed LTC drop-frame timecode display so frames are reported correctly.
- CR-9532 — Removed the ProcAmps/Color Corrector page from HyperMax where it is not supported.
- CR-9585 — Fixed an issue where MaxConfig upgrades could fail to apply to the primary SDPE blade.
- CR-9595 — Fixed excessive logging during set loads that could cause temporary system slowdowns.
- CR-9890 — Fixed SoftPanel not displaying crosspoint and user select buttons after upgrade.
- CR-9934 — Fixed set names being cut off on the panel 3-knob menu during Load/Save operations on platforms without an internal drive.
- CR-10051 — Fixed an intermittent issue where TouchDrive panels could fail to connect after a switcher software upgrade. Requires TouchDrive software version 4.0.0.692 or higher.
- CR-10312 — Fixed an issue where rapid source changes could cause an Aux in ME Follow mode to momentarily switch to an incorrect source.
- CR-10322 — Fixed an issue where a disabled DVE channel continued to send tally information.
- CR-10532 — Fixed a panel crash that could occur when configuring TSL device Ethernet settings from the 3-knob menu.

v11.2.0 (March 2026)

What's New

- CR-8641 — Increased the number of Virtual Auxes to 254 (requires Ultrix™ 7.0.0).
- CR-8647 — MaxConfig Advanced Networking added to allow for using an external network for SDPE communication.
- CR-8649 — Added Individual Bus Maps which allows you to assign different maps to each bus of an ME, MiniME™, and Aux bus.
- CR-8655 — Added support for running multiple HyperMax switchers inside a single Ultrix™ frame. Each switcher operates independently with its own ME P/P and resource blades.
- CR-8659 — The Shift button (Looping Shift) can now be set to loop through all the shifted busses on the control panel.
- CR-8737 — HyperMax can now handle Aux buses from multiple Ultrix™ routers.
- CR-8919 — Added support for Switcher Redundancy, where the primary switcher (Sender) sends status updates to the redundant switcher (Listener) to keep the two switchers in sync.
- CR-9018 — Increased the number of Aux buses from 28 to 64.
- CR-9028 — Each MultiViewer head now shows the router source it is connected to. This includes the slot the blade is installed in and the input number.
- CR-9494 — Added the ability to disable FTP access to the CPU.

Bugs Addressed

- CR-5978 — RossTalk now includes Scene video and alpha sources.

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- CR-8656 — MaxConfig improved for reliability and performance.
- CR-8936 — The Strobe Preprocessor Effect is now available in the Custom Controls editor.
- CR-8944 — You can not set a Predelay value for a GPO Tally.
- CR-8982 — The serial number of the Frame CPU is now shown on the Frame Boards page of the WebUI.
- CR-9328 — Fixed an issue where field dominance was off by a field.
- CR-9407 — Fixed an issue where using a Custom Control to load media items into numerous Media-Store channels at once would not succeed.
- CR-9411 — Fixed an issue where too many external inputs could be assigned to a MaxScene blade.
- CR-9421 — An Aux bus can now follow an ME bus.
- CR-9423 — Fixed an issue where a memory recall during a transition would not recall the on-air status of a key properly.
- CR-9675 — Improved Aux routing reliability when Multi-Level switching is enabled.
- CR-9693 — Fixed an issue where loading a media item by recalling a memory was not showing up in MediaManager.
- CR-9801 — The current version of software running on Ultrix™ is now shown on the System Status page of the WebUI.
- CR-9836 — Increase the files included in the export logs.
- CR-9878 — Fixed an issue where a key taken on-air with an effects dissolve memory recall was not being reported as on-air to Caprica.
- CR-9929 — Fixed an issue on TouchDrive panels where touching two mnemonic displays at the same time could change the source on the selected key.

v11.1.0 (Jan 2026)

What's New

- CR-9403 — Media Wipe keys can be toggled off for PGM and clean feed outputs.
- CR-8915 — The number of Clean Feed outputs has been increased from 1 to 3.
- CR-8660 — Users can now mark keys as **Auto Drop** to cut keys out if background is hot punched.
- CR-8653 — DVE keys have two new preprocessor effects: Strobe and Defocus.
- CR-8652 — Priority for displaying source names (Ultrix vs TSL vs User Name) has been updated.
- CR-8650 — Layout of the DashBoard Live Assist Buses page has been improved.
- CR-8646 — Live Assist MaxScene page now displays a table of external sources assigned to Scenes.
- CR-8642 — Media Manager now allows capture of bus sources into media still stores.
- CR-6924 — SDPE blade changes between HyperMax, Ultrix Carbonite, and Ultrix Mosaic modes now requires less time.
- CR-6346 — RossTalk commands can now refer to a Scene as a source.

Bugs Addressed

- CR-6733 — Fixed a problem whereby TSL devices using UDP were not being disabled properly
- CR-8616 — Ultrix Source names for external inputs now display correctly in the DashBoard Configuration page.
- CR-8675 — RossTalk commands LOADSET and SAVESET now work with HyperMax NFS file system.
- CR-8724 — Color picker widget for Max Scene DVE border parameter now displays correctly.

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- CR-8733 — HyperMax systems with 8 SDPE blades now support more than 2 blades with non-ME configuration.
- CR-8744 — Fixed a problem where Ultrix rejected external input changes after a video mode change.
- CR-8747 — Recalling memories while holding a key source now recalls the key settings correctly.
- CR-8748 — Various minor cosmetic fixes made to Live Assist buttons and layout.
- CR-8765 — Wait time for Memory Recall functionality immediately following Set Load action has been shortened.
- CR-8772 — DashBoard PaneLink feature now works correctly when panel ID set to Satellite 1 or 2, not just Main.
- CR-8774 — MiniME MultiViewer boxes now display bus follow sources correctly.
- CR-8780 — Problem whereby RCP panel was displaying "NO RESP" message when recalling Custom Controls has been fixed.
- CR-8797 — Fixed an issue whereby some TouchDrive panel button presses did not register.
- CR-8801 — MediaManager internal samples folder now correctly displays sample images.
- CR-8804 — When storing a memory, clicking the All Trans attribute no longer selects the Run Auto flag.
- CR-8811 — Fixed a problem whereby 3D DVE Rotation Pivot settings sometimes did not recall correctly.
- CR-8816 — USB port is no longer displayed as an available drive in the MediaManager.
- CR-8830 — Problem whereby upgrades occasionally failed due to file not found error has been fixed.
- CR-8853 — Ultrix PIP labels now update correctly when HyperMax output sources are updated.
- CR-8861 — RCP panel control of HyperMax MEs beyond ME 2 now works correctly.
- CR-8877 — Source changes made from and RCP panel are now correctly reflected on the HyperMax TouchDrive panel and DashBoard UI.
- CR-8881 — Media Autoplay now works correctly on all MEs, not just ME P/P.
- CR-9047 — User select buttons assigned to Scenes now stay lit when selected.
- CR-9159 — A problem with Ultrix routers not forwarding source name changes after reboot has been fixed.
- CR-9182 — Pressing multiple selections simultaneously on some TouchDrive panel displays no longer triggers unintended bus selections.
- CR-9251 — TouchDrive panel will now connect to HyperMax switcher over SFTP, not just FTP.
- CR-9719 — Fixed an issue involving an unexpected aux route on reboot.

v11.0.2 (September 2025)

What's New

- GAL-2100 — Ultrix™ 6.7 Support for SDPE v2.
- GAL-2101 — Ultriscape PIP-C size is now supported.
- GAL-2102 — Increase the number of Ultriscape PIPs to 12.
- GAL-2220 — Add Frame App Restart & Frame Reboot to Web Interface.

Bugs Addressed

- GAL-1640 — Fixed an issue where some MultiViewer boxes would display pink.
- GAL-1864 — HyperMax CPU Upgrade list is now sorted.
- GAL-1876, GAL-2224 — CPU log file improvements and now use ZIP.
- GAL-1920 — Fix MiniME™ Box Mask discrepancy.
- GAL-1965 — MaxConfig cleanup and improvements.

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- GAL-1970 — Expand memories to work with 7 SDPE blades assigned as MaxScene.
- GAL-1971 — Improve DVE timing when playing MediaWipes in a CC.
- GAL-1985, GAL-2061 — Various fixes for robustness, memory, and thread management.
- GAL-1989 — Fix issue that could block change between HD to UHD.
- GAL-1996 — Performance improvements for simultaneous transitions.
- GAL-1997 — Fix problem with RollClip attribute for memory recalls.
- GAL-2006 — Fix issues when system has 7 SDPE blades assigned as MiniME™.
- GAL-2025 — Performance improvements for Memory Recall as Effects Dissolves.
- GAL-2043 — Correct memory page permissions for satellite panels.
- GAL-2051 — Add follower validation to prevent conflicting blade status data in DB.
- GAL-2055 — Load Sets from NFS will now show initial contents.
- GAL-2056, GAL-2060, GAL-2069 — Fix Aux Tallies Interfering with Other Source Tallies.
- GAL-2062 — Selection for flex/positioner modules are now visible.
- GAL-2063 — Adjust PLL settings to fix issues with 3D DVEs not working.
- GAL-2068, GAL-2157 — Memory leak fixes and critical task improvements.
- GAL-2073 — Disable websocket connections on blades not assigned as ME P/P.
- GAL-2091 — Media-Store channels from a MaxScene now show the channel name on the MultiViewer.
- GAL-2098 — Fix internal media names to match SDPE roles.
- GAL-2115 — Fix Bus Follow Re-entries for local sources.
- GAL-2116 — Don't allow background and preset follows on their own background and preset bus.
- GAL-2154, GAL-2203 — Trigger OGLML regen when IP or slot is changed.
- GAL-2159 — Fix camera shot attribute for memory recalls.
- GAL-2172 — Fix resend mechanism and swap buses in the local crosspoint to fix transition glitches.
- GAL-2194 — Fix last Ultrix™ Source not showing in the Input Ultrix Sources list.
- GAL-2208, 2184 — Improve Controller to Frame communications for Ultrix™ Sources.
- GAL-2212 — Cleanup and improve WebApi logging.

v11.0.1 (July 2025)

What's New

- First full software release of Carbonite HyperMax Hyperconverged Production Platform.
- New web-based user interface for Live Assist.
- Introduction of MaxME, MaxMini, and MaxScene.
- 3D DVE support.
- Selectable Key Priority.
- DVE Key Combiner support for 2D and 3D DVE.
- Ultrix™ Aux control support for standard Carbonite Aux buses.
- Chroma keys are now a key type instead of global resources.
- NFS shared Media-Store storage located on CPU board.
- Ultrix™ ID type support for tally devices.
- Support for up to 8 SDPE blades to run as a single switcher.
- NTP network time support.

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Bugs Addressed

- No bugs were addressed for this version of software.

v11.0.0 (June 2025)

What's New

- Introduction of the new HyperMax Hyperconverged production platform.

Bugs Addressed

- No bugs were addressed for this version of software.

Getting Help

- Our 24-hour hotline service provides access to technical expertise around the clock. After-sales service and technical support is provided directly by Ross Video personnel.
- During business hours (Eastern Standard Time), technical support personnel are available by telephone.
- After hours and on weekends, emergency technical support is available. A telephone-answering device will provide the names and phone numbers of technical support and field service personnel who are on call. These people are available to react to any problem and to do whatever is necessary to ensure customer satisfaction. For serious issue which need urgent attention and tracking, please ensure you are given a ticket number and refer to this in future communications.
 - **Technical Support: (+1) 613-652-4886**
 - **After Hours Emergency: (+1) 613-349-0006**

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