

Ultra Mosaic 3.0.1

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

v3.0.1 (August 2026)

What's New

- CR-10890, CR-10176 — Added Key Priority controls in DashBoard Live Assist for MiniME™ and Canvas layers, including Canvas Custom Control targeting.

Bugs Addressed

- CR-11190, CR-6556 — Removed Key Mask controls on MiniME™ layers. Mosaic keyers do not include mask hardware, so the unused controls are no longer shown in DashBoard, on the panel, or in Custom Controls.
- CR-11265 — Corrected UHDTV1 memory recall so DVE size and position use the full 2160p canvas instead of a 1080p reference.
- CR-11278, CR-11277 — Improved switcher redundancy stability so a listener no longer restarts when synchronizing with a primary switcher that has a different resource set.
- CR-11274 — Prevented a control-panel restart that could occur when paging through the MiniME™ Dissolve menu.
- CR-11187 — Restored the complete MiniME™ labels in UHDTV1 substitution and output menus.

v3.0.0 (July 2026)

What's New

- CR-4331 — Added Ross Platform Manager network licensing, including shared license activation, multi-system activation and de-activation, configurable server connections, and a grace period if the licensing server becomes temporarily unavailable.
- CR-9073 — Added logic and variables to Custom Controls. Operators can now build conditional workflows, perform calculations, manage reusable values, and use the same capabilities from DashBoard, the Sequencer, and RossTalk.
- CR-8919 — Added switcher redundancy with primary and backup operating modes, automatic health monitoring, regular memory synchronization, and Custom Control events for changing redundancy modes. Set files are not synchronized.
- No CR assigned — Added support for the TouchDrive TD3, TD3X, TD4, and TD4X panel families, including their displays, button rows, Flex Control modules, and expanded menu controls.
- CR-9074 — Added Panel and Custom Control Attachments, allowing Custom Controls and User Select functions to be assigned to TouchDrive buttons for individual MiniME™ layers. Assignments can be triggered before, after, or override the existing behavior. A delay can be added between the attached and normal function of the button.
- CR-9465 — Added selectable motion styles for memory effects dissolves, including Smooth, Linear, Ease In, and Ease Out. You can store a style in a memory or override it during recall.
- CR-4699 — Added Any Row, Any Bus operation, allowing key, aux, background, and preset buses to be assigned to supported panel rows. Row assignments can also be locked to prevent accidental changes.



- CR-9572 — Added 1D and 3D Color LUT (Adobe® .cube files) support for Media-Store items. You can import, organize, and apply a LUT to an media item.
- CR-9656, CR-8921, CR-9530, CR-9520, CR-9512 — Added multi-frame and multi-switcher TouchDrive operation. A single panel can control multiple systems, with individual panel rows assigned to MiniME™ and Canvas layers on different frames.
- CR-9109, CR-10474, CR-8099 — Added Key Priority control through Custom Controls, including ordered key selection and memory storage for MiniME™ layers.
- CR-10516, CR-10324, CR-6238, CR-5273, CR-7261, CR-9010, CR-9080, CR-9661 — Added additional Custom Control capabilities for Flex Control assignments, bus-map assignments, memory recall behavior, effects timing, motion control, Media-Store attributes, masks, and device enable or disable.
- CR-10127 — Added self-cancelling Custom Controls for workflows that should stop automatically after completion.
- CR-5923, CR-1661, CR-10526, CR-3133, CR-3309 — Expanded RossTalk with status queries, NTP configuration, GPI high/low control, and additional set-export options. RossTalk can also be disabled when remote control is not required.
- CR-2715, CR-978 — Added GPI level operation with separate actions for low and high states, plus GPI Input and Output status information for use in custom DashBoard panels.
- CR-9070, CR-10111 — Added Total Panel Lock, Menu Lock, individual button locking, and fader locking on supported TouchDrive panels. Total Panel Lock and related panel-management features require TouchDrive v4.0. Positioner locking is not available at this time.
- CR-2342 — Added the ability to store memories directly from the TouchDrive keyer row without a dedicated memory module.
- GAL-490 — Added Media-Store X/Y position to memory store and recall.
- CR-348, CR-8311, CR-7577 — Added per-panel memory inclusions and expanded memory controls for additional MiniME™ and Canvas layers.
- CR-8649, CR-10047, CR-8659, CR-10610, CR-9543 — Added individual bus maps, input banks, looping Shift behavior, configurable Shift levels, and automatic skipping of empty bus maps.
- CR-3835 — Added MiniME™ layers as selectable substitution sources, with unavailable choices automatically disabled when working inside a Canvas.
- CR-2713, CR-9861 — Added source names to TouchDrive vertical displays and improved Custom Control names throughout User Select menus.
- CR-6016, CR-4919, CR-8660, CR-9416, CR-9553, CR-5057, CR-9868, CR-7812 — Added configurable panel options for memory buttons, memory undo behavior, keyer auto-drop, aux delegation, Flex Control brightness, and MiniME™ color schemes.
- CR-6393 — Added TSL 5 tally communication over UDP alongside the existing TCP connection.
- CR-1661 — Added NTP, date, time, and time-zone configuration in DashBoard.
- CR-4101 — Added a consolidated **Access** menu for file-transfer, user-access, and RossTalk settings.
- CR-9216, CR-6754 — Added improved DashBoard connection management, including connection details, forced connection when the system limit is reached, temporary suspension, disconnection, and cleanup of inactive switcher entries. Inactive-entry cleanup requires TouchDrive v4.0.
- CR-7164 — Added support for sharing applicable licenses between Mosaic and Ultrix Carbonite modes.
- CR-4276 — Added Custom Control access in Live Assist, allowing you to run controls without dedicating a Custom View.
- CR-5196, CR-4018, CR-4840 — Expanded input and Custom Control naming, including longer labels and multi-line mnemonics.

- CR-6977 — Added USB webcam support as a ViewControl background source.

Bugs Addressed

- No CR assigned — Improved system stability by resolving an issue that could cause a secondary switcher to restart during startup.
- CR-7678 — Eliminated a brief source-button flash that could occur when content was taken to air.
- No CR assigned — Corrected preview tally behavior so that the green tally follows the complete key-source path.
- CR-419 — Corrected Custom Control operation when changing the input-scaler format.
- CR-9501 — Corrected UHD 29.97 Canvas sizing and restored the expected Media-Store configuration options.
- CR-9133, CR-9637 — Improved factory-reset consistency across DashBoard, control panels, and automated workflows, with clearer confirmation messaging.
- CR-8311, CR-7577 — Corrected the order and availability of MiniME™ and Canvas selections in memory controls.
- CR-5019 — Improved button feedback so selected TouchDrive buttons show the correct green indication when their associated menu is active.
- CR-6483, CR-6487 — Updated third-party system components and security protections to address known vulnerabilities and strengthen access controls.

v2.1.0 (October 2025)

What's New

- CR-5354 — DVEs now feature an option to turn off edge filtering for sharp DVE edges that stick to pixel edges for key-based stitching.
- CR-6554 — Ultra Mosaic now supports HyperMax licenses.

Bugs Addressed

- CR-6620 — Fixed an erroneous interface option to change color gamut and dynamic range of a loaded media item in UHDTV1.

v2.0.2 (March 2024)

What's New

- No new features were added for this version of software.

Bugs Addressed

- CR-4437 — Media-Store alphas will now load automatically in UHDTV1 to the even channel of an odd Media-Store.
- CR-4593 — Ejecting a Media-Store channel will now clear the channel.
- CR-4811 — Certain broken outputs formats in UHD are in correct format instead of 1080p.
- CR-4649 — Video input was incorrectly lists as Still.
- CR-4626 — MiniME™ Key transparency controls now work properly.
- CR-4525 — Splicer origin will now detect pixel/screen changes.

v2.0.0 (December 2023)

What's New

- **Mosaic**
 - Mosaic is available on Ultra hardware in HD and UHD modes.
- **DVE Updates**
 - Pixel Accurate — allows use of pixel coordinates and sizes through DashBoard on DVEs.
 - Aspect Ratio — aspect ratio can be locked in for DVEs for controlling X and Y dimensions in relation to each other.
 - Origin Position — DVEs can now be positioned in relation to an anchor point of origin.
 - DVE Channels — 18 in HD and 8 in UHD TV1.
- **Splicer (New)**
 - A pixel-perfect video stitching solution with hard edges, capable of sizing and positioning videos with pixel positions and coordinates.
 - Splicer Resources — 10 in HD and 6 in UHD.
- **Canvas**
 - Canvas key positions are now globally set in relation to the Canvas.
 - Canvases can now be configured to specify the anchor point globally so that keys can be positioned in respect to this origin.
 - Canvas Resources — 5 in HD and 2 in UHD TV1.

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**