## Ultra 9.0.0

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

### v9.0.0 (June 2024)

#### What's New

- Substitution sources now include MiniME™ and UltraScene output.
- Added GV Grass Valley® options for *break required* and *no break required.*
- Added **Memory Undo Button** Personality option to turn off the **UNDO** button on the Memory area.
- TD2 and 1- Short Panel Memory Row Control implemented.
- The switcher now supports using the Index and Control bits in the TSL 5 protocol messages to trigger tallies and GPI outputs.
- For each GPI, the users can see its level in DashBoard.
- Users can now manually trigger a GPI output from DashBoard.
- Ross Platform Manager Floating License Model is implemented.
- Buttons that do not apply to a selected bus map are now turned off.
- Bus source copy page and CC features added.
- Device naming implemented.
- DHCP can now be turned on.
- Carbonite can now control Ultrix™ Text Tally State and Border tally color.
- The Audio Mixer **Config** menu now automatically opens to the layer it was called from.
- You can now disable RossTalk connections to the switcher.
- Live Assist Custom Page Follow increased from 4 to 10.
- CC name length increased to 12 characters.
- Longer source names are now supported.
- A line break can now be added to a source name by entering a vertical bar, or pipe, symbol (|) where you want the break.

#### Bugs Addressed

- Increased **Loss of Lock Threshold** for wider variance on Reference Input signals to help with *Lost Lock* issues.
- Fixed knob reversals on some TD panels.
- ViewControl NDI® List is now scrollable.
- Allow CC to turn off ME follow.
- Audio fader channels 25-29 now recall correctly.
- Reduced boot times.
- Fixed mask size changes between DVE memory recalls with effects dissolve.
- UltraScene outputs now display correctly when selected from the User Select row.
- Various other bug fixes and improvements.

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## v7.1.8.11748 (Nov 2023)

### What's New

### Bugs Addressed

## v7.1.6.11331 (Sept 2023)

### What's New
- CR-3689 — Added support for the Sony® BRC-H700 robotic camera.

### Bugs Addressed
- CR-4036 — Fixed a race condition that sometimes crashes the switcher when DashBoard constraints are changed too fast.

## v7.1.5.11038 (Sept 2023)

### What's New
- CR-3745 — Many performance improvements for the clip player.

### Bugs Addressed
- CR-3894 — Fixed an issue which causes unexpected crashes due to invalid choice constraints.
- CR-3854 — Fixed a clip player issue which occasionally caused the player to stop responding after the clip ends.
- CR-3458 — Recalling memories from the panel using EFF Rate:mem: now uses the correct effect rate.
- CR-3420 — Addressed an issue which sometimes caused the clip player to display noise on clips.
- CR-28582, CR-3219 — Various other fixes to the clip player.

## v7.1.2.10628 (July 2023)

### What's New
- Support for the new TouchDrive control panels (4882AR-Series).

### Bugs Addressed
- Clip Player enhancements and bug fixes.
- CR-3538 — GVG100 serial interface could not address ME P/P.
- CR-3457 — Fixed a memory leak issue that could crash the application.
- CR-3358 — When upgrading to 7.1, or higher, from a version before 7.1 the sources assigned to a shifted bus on a busmap could be lost.

# v7.1.0.9816 (March 2023)

## What's New

- Support for TSL protocol version 5.0 has been added. TSL 3.1 is still supported.
- Support for Role Based Access Control (RBAC) in DashBoard.
- When a USB is plugged into the frame, the frame creates a `swInfo.txt` file that contains the software version, IP address, and if an SD card is installed in the frame.
- DashBoard tree view will now show the switcher engine type.
- Menu Group Access allows the user to select what menus are available to what panels (Main, Sat 1, Sat 2 and SoftPanel).
- Added labels to the outputs. The new labels are used in the I/O MultiViewer.
- Added 5 more Bus Shift rows.
- Added the ability to change the icon, name, and colors for each Shift mnemonic.
- Able to save and load sets via DashBoard when no USB is plugged into the frame.
- Support for RPM Orchestration.
- Added DashBoard connections to support NAT (these ports will not work with Custom Panels)
- Effects Duration, RollClip, Camera, Chroma Keys, and Media settings are stored with each ME, MiniME™, Canvas and UltraScene. When recalling the Memory it will use the setting from the most important inclusion (just like Carbonite Black).
- Limited the number of DashBoard connections to 20 for better performance.
- A new DashBoard IP address PunchPad was added for entering IP addresses.
- Add CC Pause Mode to DashBoard Configuration.
- Editable CC Bank Names.
- MultiViewer source labels can now be set to a fixed string.
- Generic RossTalk port to allow UDP transport.
- New RossTalk commands that end with CR, LF, CRLF and No CRLF.
- Show known unsupported CC events in Red in the CC editor.

## Bugs Addressed

- CR-2354 — Reduced the number of OIDs needed for **Tally and GPIO** menu in DashBoard. This will lead to faster connection times.
- CR-1966, CR-2287, CR-2354, CR-291 — Performance and stability improvements related to DashBoard connections.
- CR-3205 — A PowerSave mode bug was fixed that could crash the panel.
- CR-3142 — Fixed a TouchDrive panel crash that sometimes happens when switching a bus from Chroma Key to an ME or MiniME™.
- CR-2747 — The **Personality**>**Transition** menu **No Reset** and **Reset** buttons now work correctly.
- CR-2991, CR-2990, CR-2260, CR-2030, CR-2041 — Fixed bugs in Media-Store Cache Manager
- CR-2857 — A corner case was fixed where MultiViewer FS Labels were not updating correctly when in rotation switcher modes.
- CR-2847 — Audio Faders will now always follow.
- CR-2820 — RState commands can now be called from CCs.
- CR-2595 — PaneLink now works for satellite panels when the users pushes KeySel buttons.

- CR-2382 — TD Panel is now able to scroll through all the CC event modifiers.
- CR-2337, CR-2335 — Several Clip Player bugs were fixed, and we added more robust Clip Player logging.
- CR-2130 — Improved DashBoard performance when there are 48 active audio channels.
- CR-2100 — Media-Store alphas are now automatically selected when doing a substitution.
- CR-485 — Memories with wipes halfway through will now recall correctly.
- CR-357 — Key rates get copied with key copy.
- CR-290 — TSL port opens once the switcher is ready to receive data.
- CR-2687 — Each thread uses less memory to stop crashes due to no available memory.
- CR-2312 — On-demand refresh for the DashBoard MediaManager.

## v7.0.3.9205 (Jan 2023)

### What's New

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

### Bugs Addressed

- CR-2992 — XPression Roll Clip is now correctly initialized.
- CR-2674, CR-2820 — RossTalk commands run from Custom Controls are correctly run.
- CR-2959 — ViewControl shift can now override the panel shift lock on the Main Panel.
- CR-2748 — Removing media items from the USB via an FTP program will no longer create excessive threads.
- CR-2859 — The Middle knob on the panel can now access all Custom Control event modifiers.
- CR-2382 — You can now select all sources for the Custom Control Events in the three knob menu.

## v7.0.1.8667 (Oct 2022)

### What's New

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

### Bugs Addressed

- CR-2472 — DVE Freeze now works correctly.
- CR-2586 — Aux Bus Substitutions now follow Bkgd and PST swap transitions.
- CR-2589 — PaneLINK follows satellite panels correctly.
- CR-2596 — FSFCs now work with no Extra I/O license when in HD ROT 4 or 6 key mode.
- CR-2607 — MediaWipe cut frame now displays correctly when set from the panel.
- CR-2625 — TouchDrive panel save set UI for the 3-knob menu now shows sets 0-9.
- CR-2580 — Custom Controls can now run CC events to control an external audio mixer.
- CR-2471 — MediaWipe DVE transitions now initialize correctly the first time you use them.
- CR-2603 — First birthday issues were causing DashBoard not to connect.

## v7.0.0.8320 (July 2022)

### What's New

- UltraScene (HD Only).
- Sequencers.
- 90° Rotation (HD Only)
- Bus Based Substitutions.
- ME and MiniME™ Substitutions.
- Ability to Enable/Disable most devices without losing the settings.
- Audio Improvements:
  - Multiple AFV trigger sources.
  - Audio Ducking/Talkback.
  - Noise Gate has Depth and Hold settings.
  - UI cleanup.
  - Audio Meter in the Compressor Limiter and Noise Gate Audio Menus.
- Easy to access Live Assist button in DashBoard menus.
- SoftPanel now has 3 user select buttons.
- Source capture with and without auto increment. This can be done from a CC event.
- Media-Store Cache Manager.
- Improved switcher logging.
- Created a CC group in the CC editor.
- Added **Resume All** command.
- Added **Transition Action** to the CC Editor. This allows the user to setup the Transition Area in one CC event.
- The bus panel row assignments are now saved to Personality. These can be controlled by CC events.
- TSL names are propagated through more of the UI.
- SoftPanel has a built in **Full Screen** button.
- TouchDrive panels running version 1.5 can now connect to the frame using SFTP.

### Bugs Addressed

- CR-1873 — We can no longer send empty choice constraints to DashBoard.
- CR-1853 — Improvements to USB access to reduce message latency.
- CR-1822 — Sorted the Navigation Menu into logical groups.
- CR-1793, CR-1203, CR-1202, CR-125 — Improved DashBoard connectivity and performance issues.
- CR-1762 — Crash logs are now included when downloading system logs.
- CR-1549 — Added the ability to turn off FTP on the frame (you need TD software version 1.5 or your panel will not connect).
- CR-1944 — A fader can now control the media transition from the DashBoard UI.
- CR-1808 — GPO Tallies are properly updating DashBoard after loading a set.
- CR-1805 — The Clip Player correctly updates its state across all DashBoard menus.
- CR-1804 — On TouchDrive the large mnemonic text size is now properly recalled after a reboot.
- CR 1791 — On TouchDrive TouchMap now correctly uses the TSL UMD Names.

- CR-1537 — Delete captured thumbnails when capture is deleted.
- CR-1519 — The switcher sends a NOOP command to all RossTalk devices that have ping on to keep the network connection alive.
- CR-447 — Panel response issues fixed in ½ rates.
- CR-504 — Fixed a memory leak in receiving RossTalk commands.
- CR-182 — Animations will not autoplay if they are already on air.
- CR-1462 — Capturing in E/E mode will no longer crash the switcher if there is a re-entry loop.
- CR-1941 — Input Configuration menu in DashBoard now always updates after a set load.
- CR-1861 — DVE X and Y Positions are now consistent across TouchDrive panels and CC Editor in DashBoard.
- CR-1340 — Added the ability to disable the web based DashBoard.

## v6.6.3.7614 (June 2022)

### What's New

- Support has been added for the TouchDrive control panel running in a Dual Boot (TD-Installer) configuration.
- Support has been added for switcherOS 65.
- Optimized the startup of the TouchDrive control panel between reboots.

### Bugs Addressed

- Filtered unneeded messages to improve DashBoard response.

## v6.6.1.7053 (January 2022)

### What's New

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

### Bugs Addressed

- CR-1806 — Fixed a bug which causes a crash or system hang-up when the user changes a GPI to a GPO with certain settings.
- CR-1807 — Fixed a bug which causes DashBoard connectivity issues or slow connections due to slow processing of messages.

## v6.6.0.6889 (November 2021)

### What's New

- 2ME with 6 keys per ME option (HD).
- 2ME with 4 keys per ME has 4 DVEs (UHD)
- HD colour conversion and HD HDR
- CC Colors in the DashBoard ShotBox
- MultiViewer Countdown Clock
- MultiViewer Shift can be turned off per MultiViewer box
- Easier configuration of the MultiViewer

- Added CC and Custom Command to RossTalk RollCmd
- New Tria RossTalk commands
- DashBoard burst mode for faster connections
- Device Config in DashBoard
- Updated the DashBoard LiveAssist->Buses page for quicker bus selection.
- Configuring the test tone frequency
- Audio Noise Gate feature ported from Graphite
- Audio can now be delayed in the Audio Breakout Module
- Ability to disable Audio memories (useful for Caprica connections)
- Copying logs to USB also copy the working set
- Frame DHCP is no longer supported
- UltraTouch can set panel permissions
- MediaManager now allows the user to delete stills off of the USB

## Bugs Addressed

- Master Panels are now called Main Panels
- CR-1646 — Output FSFC work with no extra IO license
- CR-429 — Display the source for outputs in the IO MultiViewer
- CR-153 — First media capture after power up is now usable
- CR-219 — MIDI controller now works with Ultra
- CR-1264 — HD External audio not passing if fader is set with RState during startup
- CR-1505 — PP Key sources now tally correctly on clean feed
- CR-1468 — MultiViewer shift will not automatically record into a CC
- CR-106 — Improved DashBoard response when recording a CC
- CR-108 — EQ and CL labels are now present in the Audio Mixer
- CR-126 — Key Preview is now a User Select button
- CR-132 — Illegal file names are no longer accepted in MediaManager
- CR-141 — Memories with Trans Limits now recall correctly
- CR-145 — ClipPlayer audio can be used in the AudioMixer
- CR-174 — DashBoard is now stable when removing a USB from the frame
- CR-175 — DashBoard status page updates the DashBoard connections correctly
- CR-272 — Setting the date in DashBoard will no longer crash the Ultra frame if the DashBoard computer is uses a non-English language.
- CR-687 — ViewControl remembers its NDI source after restarts
- CR-905 — ViewControl Shift no longer changes the over lay source
- CR-916 — ViewControl thumbnails now update correctly after the first change
- CR-1378 — Assigning a white background to a CC is now correctly saved
- CR-1571 — Touch Sensitivity was increased

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## v5.5.2.6543 (Septmber 2021)

### What's New

- Memory Recall Optimizations – Users can now recall memories with reduced wait times and build-up.

### Bugs Addressed

- CR-130 — MIDI controllers are working as expected.
- CR-256 — Panel logs are now copied as well when logging to USB.
- CR-1030 — Fixed a bug resulting in a crash when a CC Cancel command is issued.
- CR-1168 — Fixed a bug resulting in sources remaining shifted when selecting/deselecting Shift from the Panel on PV/PGM bus

## v5.5.0.6216 (June 2021)

### What's New

- MultiViewer Shift – the user can now assign two sources to each box in the MultiViewer. When the user pushes Shift on the assigned Panel, the MultiViewer boxes will shift to the second sources. When Shift is released, it goes back to the original sources.
- ViewControl NDI – ViewControl now supports NDI and uses 16 Boxes when the NDI MultiViewer is chosen.
- ViewControl ME/MiniME Control – ViewControl can now dynamically change the ME/MiniME it is controlling (before it was just ME P/P).

### Bugs Addressed

- 71264 — DashBoard and Caprica connections to the switcher are now more stable.

## v5.0.6.5937 (April 2021)

### What's New

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

### Bugs Addressed

- 71417 — All Audio Mixer channels were being turned on during an Effects Dissolve Memory Recall when the Audio Mixer memory attributes were set to off and not included with the recall.

## v5.0.5.5866 (April 2021)

### What's New

- Support for ABM software version 4.0.0.311.

### Bugs Addressed

- 72088 — Corrupted images will no longer cause log spew or MultiViewer problems.
- 72087 — Tally with MiniMEs issues are fixed.

- 71264 — Fixed a switcher crashing bug in our DashBoard connection.
- 72082 — Memories now recall DVE Border interior and exterior softness settings.
- 72083 — RossTalk now correctly handles recalling of an empty CC.
- 72085 — Changing the date with DashBoard in non-English now works correctly.
- 72086 — Pushing Media + Cut now correctly saves to the media store database.

## v5.0.3.5352 (February 2021)

### What's New

- Support for TouchDrive 1C (compact Panel).

### Bugs Addressed

- 71489 — CB3X panels now map memory inclusions correctly.

## v5.0.2.5305 (January 2021)

### What's New

- New message on TouchDrive panels when there is a network disconnect.

### Bugs Addressed

- 71267 — TouchDrive LED calibration is now loading correctly.
- 71268 — TouchDrive boot and connection time is much faster.
- 71269 — TouchDrive does not always download the panel application with a network drop.

## v5.0.1 (December 2020)

### What's New

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

### Bugs Addressed

- 70742 — Memory recalls with more than 2 audio channels could cause video errors.
- 70806 — Input configurations (SDI-FS,QuadFS,Delay) are not recalled when a switcher set is loaded in 1080p 60Hz.
- 71006 — TouchDrive control panel boot time has been improved.
- 71007 — Buttons on the TouchDrive control panel light up to indicate that the system is booting up.
- 71024 — Improved logging for memory, custom control, vid mode, and reference events.
- 71042 — If your figure lingers on a tap of the touchscreen on the TouchDrive control panel the system interpreted this as a hold. Short holds are now interpreted as a tap.
- 71043 — The menu up arrow touch region on the touchscreen displays of the TouchDrive control panel has been made larger to make it easier to tap.

## v5.0.0 (November 2020)

### What's New

- TouchDrive panel support.
- New DashBoard layout.
- New DashBoard MediaManager.
- Aura Theme Support.
- MultiPanel support in DashBoard.
- Personality configuration in DashBoard.
- Expanded User Select buttons.
- Import/Export sets to switcher from DashBoard.
- Improved DashBoard Memory interface.

### Bugs Addressed

- 51148 — Ejecting an animation now clears the thumbnail from the Media page.
- 57317 — You can now set the system clock in DashBoard.
- 60105 — Schemes can now be reloaded after changing a value in that scheme.
- 63477 — Configuration page should always load correctly.
- 63782 — DashBoard can now always select Aux 28.
- 65815 — When saving sets in DashBoard, the user is now notified when the set fails to save.
- 68173 — RState is now updated when users load a memory set.
- 66874 — RossTalk KEYCUTON/OFF KEYAUTOON/OFF now work.
- 69197 — Recording CC key and DVE events will never cause the CC to become read-only.
- 70005 — 3D border softness now loads correctly for memories imported from v3.2.2.
- 70573 — Recall Attribute selection now works when you do not have an Audio Mixer License.

## v4.0.0 (July 2020)

### What's New

- Graphite-Style Audio Mixer in HD and UHD (requires license).
- 3D Borders and Drop Shadows for DVEs for HD and UHD.
- All HD frame rates supported. Added: 1080p 24Hz, 30Hz and 1080psf 24Hz.
- UHD-SRC-6G Switcher Mode supports: 23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz.
- HD-SRC, UHD-SRC-6G Switcher Modes support audio sample rate conversion.
- Support for Frame Delay in HD.
- Custom Dashboard Live Assist with configurable Panel Follow.
- Automatic Panel Follow for MediaManager, ClipPlayer and Matte.
- Embedded Audio for MediaManager, Preview and MiniME outputs.
- RCP_ETH device defaults now set to port 5000 and level 1.
- 'Configuration' button inside Configuration tool renamed to 'Global'.
- Improved UI for Frame Delay in UHD aligns with new Frame Delay in HD

### Bugs Addressed

- 68087 — Custom Control recording DVE freeze no longer causes read-only CCs.
- 68024 — Aux label convention now Ax:Name:Source instead of just Ax:Source.
- 59815 — A fly chromakey no longer darkens the background by approx. 4 IRE.

## v3.2.2 (May 2020)

### What's New

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

### Bugs Addressed

- 68593 — Media Audio going to AES.

## v3.2.1 (April 2020)

### What's New

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

### Bugs Addressed

- 68410 — Removed invalid output FC's in 1080pSF/25 and 1080pSF/29.97.
- 68268 — Re-enabled missing output FSFC's from 1080p to 720p and 480i.

## v3.2.0 (March 2020)

### What's New

- Frame rate support for 1080p 23.98 Hz in HD switcher mode.

### Bugs Addressed

- 67321 — Non-blocking read/write to resolve disconnects with Caprica.
- 67975 — Resolve configuring serial port as GVG after having been PBus.

## v3.1.0 (February 2020)

### What's New

- 'SD/HD' switcher mode separated into 'SD' and 'HD' to allow specific features.
- MultiViewer now in same format as switcher setting when in HD mode (except for: 1080psf/25,1080psf/29.97 which behave as before).
- ViewControl support for 1080p source in UHD.
- Frame Delay support in UHD.

### Bugs Addressed

- 67178 — Interlaced modes CC pause now correctly calculated in frames.

> ⓘ **Important:** User Action Needed: doubled compared to prior behaviour. If you compensated for the error, you need to halve the pause setting to maintain the same delay.

- 66131 — Aux Bus assigned to MultiViewer not showing TSL Name.
- 66464 — Serial/Editor Port PBus support from Custom Control.
- 66488 — ClipPlayer now registered in RCP labels.
- 66497 — GVG100 device support on the Serial Editor Port.
- 66550 — RossTalk added missing ClipPlayer source.
- 66701 — Output ProcAmp labels update Aux sources when Aux bus is assigned.
- 66755 — Effects dissolve on Background of bus when 2 different memory sources.
- 67045 — Remove Primary Gain Control from ProcAmps.
- 67108 — Factory reset now resets input TSL Address and Mask.
- 67295 — Fixes crash on SD Switcher frame sync of 1080p/60 source.

## v3.0.0 (October 2019)

### What's New

- Clip Player for SD/HD.
- HDR/WCG Conversion for UHD.
- Reinstated DVE Freeze function for SD/HD.
- Fully Floating MEs.
- Carbonite support for 2RU Ultritouch.
- Full AMP Protocol: Clip List, Jog, Shuttle, Record.
- MultiViewer Box TSL label controls have been added.
- MultiViewer Output boxes now tally.
- Additional XPression RossTalk Custom Controls.
- Ultrix RossTalk Salvo, Clock Run, Stop, Pause & End Custom.
- Additional RossTalk Source identifiers.
- Able to deselect all MEs/MiniMEs/Canvases/Chroma Keys in memory area.

### Bugs Addressed

- 65910 — State CC Aux attributes not recalling correctly
- 65670 — First media capture after power up is unusable.
- 65610 — FSFC - 1080p60 computer video not converting into 1080p29.97
- 65576 — Aux bus assigned to Multiviewer not showing TSL Name
- 65570 — CC recalling memory < 20 frames after another memory does not recall.
- 65080 — RossTalk commands can't select a MiniME Follow source
- 63886 — System does not stop CC loop if too many effect dissolves taking place.
- 65000 — Memory store attributes do not get updated if memory recalled by a CC.
- 64559 — IO MultiViewer - Output boxes not tallied if source is On-Air or Preview.
- 65545 — MemoryAI key assignment is not the same as with Carbonite 13.
- 65423 — We cannot select the Mini Preview source on MEs.
- 65117 — Button Presses on the DashBoard soft panel are sometimes lost.

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- 64086 — ME Copy - The ME destination Memory Recall Attributes get changed.

## v2.0.0 (June 2019)

### What's New

- UHD support

### Bugs Addressed

- 64740 — FTP of folder to USB not permitted in Ultra.
- 64741 — Fader arm wipe position not recalled properly.
- 56937 — Media Store – Animation not Autoplaying after Media Wipe.
- 64842 — Ultra with no reference input is reporting locked to external.
- 59802 — Cannot Effects Dissolve Key Masks.
- 63710 — CK Measure Source only includes bus follows for MiniME outputs.
- 63141 — Custom Controls – Key Invert recorded from Live Assist not working.

## v1.0.0 (Jan 2019)

### What's New

- First Release of Ultra

### 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**