Ultrix Carbonite 9.0.0

Welcome to the Ultrix Carbonite Release Notes. Please read this document to find important information on areas of Ultrix Carbonite 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.
- 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

- Fixed a bug where an OGP device connecting to Ultrix Carbonite caused a blocking system call.
- Reduced boot times.
- Fixed issues with PiPs in UltriScape.
- Fixed issue with XPression RossTalk device not sending commands from SoftPanel.
- Fixed mask size changes between DVE memory recalls with effects dissolve.
- Various other bug fixes and improvements.

v7.1.8.11748 (Nov 2023)

What's New

- REF B support (Requires Ultrix Frame 5.1.5 or higher)

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Bugs Addressed

- CR-3610 — MultiViewer bouncing with certain layouts in UHDTV1.
- CR-4035 — TSL 3.1 broken output is fixed.
- CR-3851, CR-3847 — Thumbnail refresh issues are fixed.
- CR-3826 — CB9 panels will not constantly ask for PMC upgrades anymore.
- CR-4192 — Certain illegal re-entries are now properly prevented.
- CR-4131 — UltriScape PiP Left Edge corruption is 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.

v7.1.3.10812 (July 2023)

What's New

- Support for Ross Platform Manager (RPM) loading and saving switcher sets.
- Support for RPM booting the switcher in Acuity® Mode.

Bugs Addressed

- No bugs were addressed for this version of software.

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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 SDPE blade, 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 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-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-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

- CR-2963 — SDPE blades in Carbonite mode installed in any slot can now switch into Acuity® mode (if you have an Ultrix Acuity CPU running version 11.2a or higher).

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.

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- 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

- Support has been added for Ultrix™ version 4.8.0.

  Important: *Previous versions of Ultrix Carbonite software are not fully compatible with Ultrix™ 4.8.0 or higher. If you upgrade Ultrix™ to 4.8.0, or higher, you must upgrade the Ultrix Carbonite software to version 7.0.0, or higher.*

- UltraScene (HD Only).
- Sequencers.
- Bus Based Substitutions.
- ME and MiniME™ Substitutions.
- Ability to Enable/Disable most devices without losing the settings.
- Easy to access Live Assist button in DashBoard menus.
- SoftPanel now has 3 user select buttons.
- 3 ME 6 Key mode with no MiniME™ resources.
- Source capture with and without auto increment. This can be done from a CC event.
- The user can switch SDPE blade from Carbonite to Acuity® mode (if an Acuity frame card is included).
- 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

- HD colour conversion and HD HDR
- CC Colors in the DashBoard ShotBox
- MultiViewer Countdown Clock

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- 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
- Updated the DashBoard LiveAssist->Buses page for quicker bus selection.
- UltraTouch can set panel permissions
- MediaManager now allows the user to delete stills off of the USB

Bugs Addressed

- 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-1309 — CC Page on SoftPanel is correctly sized
- CR-1297 — Tally can map to internal source via DashBoard
- CR-1293 — DashBoard SoftPanel now fits the screen
- CR-1505 — PP Key sources now tally correctly on clean feed
- CR-1468 — MultiViewer shift will not automatically record into a CC
- CR-177 — Made device names in DashBoard more readable
- CR-106 — Improved DashBoard response when recording a CC
- CR-1681 — In HD mode, shaped keys are now properly applying to preview
- 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-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

v6.5.2.6537 (Sept 2021)

What's New

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

Bugs Addressed

- CR-1235 — Fixed a bug that sometimes caused improper booting.
- CR-1028 — Fixed a bug resulting in a crash when a CC Cancel command is issued.

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v6.5.1.6455 (Aug 2021)

What's New
• No new features were added for this version of software.

Bugs Addressed
• CR-1161 — The SDPE blade may not boot properly in some situations. The blade will now detect the bad state and power cycle only the FPGA to recover from the bad state.

v6.5.0.6216 (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 choosen.
• ViewControl ME/MiniME Control – ViewControl can now dynamically change the ME/MiniME it is controlling (before it was just ME P/P).

Bugs Addressed
• 72421 — Audio from the Media Stores is routed into the FR2 Ultrix frame.
• 71264 — DashBoard and Caprica connections to the frame are now stable.

v6.0.0.6073 (May 2021)

What's New
• 2 MEs with 6 Keys and 4 MiniMEs with 2 Keys (HD).
• 2 MEs with 6 Keys and 2 MiniMEs with 2 Keys (UHD).
• 12 DVEs (HD).
• 6 DVEs (UHD).
• 4 Media Channels (video+alpha) (HD and UHD).
• Device Configuration in DashBoard.
• Dedicated bank number displayed on Keypad touch screens (TD 2S and TD 3S).
• Source mnemonics on TD panels now flash when pushed. They will flash white if it performed an action and they will flash dark grey if no action is associated with them.
• DashBoard automatic discovery can now be turned off.
• DashBoard Help menu now includes Switcher Help, Panel Help, and Device Help.
• Moved Tally information from Inputs to Tally/GPIO tab.
• The user can copy keys from Live Assist.
• MultiViewers in UHD can be set to HD or UHD.
• SoftPanel has been upgraded to include 6 keys.

Bugs Addressed

- 71977 — Media + Cut on the panel now saves the cut frame to the Media-Store database
- 64847 — CC Editor now properly works with Color Correctors in all formats
- 72346 — Fixed a memory leak with Play CC event
- 71357 — Sending a RossTalk CC command to run an empty CC will be ignored
- 71604 — CC Mnemonic mode is now in personality
- 67411 — GPIO types are now editable in the CC Editor
- 71667 — AMP servers now default EjtClp to Off

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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