

Carbonite Black 15.7.0

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

v15.7.0.19753 (May 2026)

What's New

- CR-9311 / CR-4953 — Updated support for newer TouchDrive panels on Carbonite and Carbonite Black. Supported panel types: TD1, TD1C, TD2, TD2S, and TD3S. The TD3, TDx3, TD4, and TDx4 are not supported at this time.
- CR-4933 — Updated compatibility for TouchDrive software version 4.0.

Bugs Addressed

- CR-4995 — Updated Canon® camera controller driver (v1.2 to v1.5) and Sony® camera controller driver (v1.4 to v1.8) for improved camera compatibility.
- CR-4864 — Memory names now display on the display on the Memory module of the TouchDrive panel, making it easier to identify stored memories directly from the panel.
- CR-10010 — Fixed an issue where the SoftPanel had an ME offset, causing operations on one ME to incorrectly affect a different ME (e.g., selecting ME 1 would control ME 2). ME P/P will now display correctly.
- CR-9215 — Fixed an issue where using RossTalk to auto-transition a single keyer would incorrectly reset the next transition selection back to Background. The selected keyer now remains selected after the transition completes.
- CR-4622 — Fixed an issue where DashBoard would display incorrect MultiViewer box sources after loading a saved set. The on-screen video output was correct, but DashBoard showed the wrong source assignments.
- CR-1040 — Fixed an issue where cutting to a key with certain media content could cause a black screen on the program output.
- CR-3604 — Fixed intermittent video disruption on sources caused by an internal system maintenance process running too frequently.
- CR-6809 — Addressed multiple security vulnerabilities. Updated FTP drivers.

v15.6.1.19113 (Jan 2023)

What's New

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

Bugs Addressed

- CR-2998 – Media-Store Audio configuration on Carbonite frames can now be configured from DashBoard.
- Updated security packages for the Carbonite Black Simulator OS.



v15.6.0.19092

What's New

- Export set so that it will load in Ultra and Ultrix Carbonite (before memories would never work).
- Be able to run Carbonite Black Simulator so that the user can export Carbonite Black memories without needing a Carbonite Black frame.

Bugs Addressed

- CR-1034 — Exported sets can now have spaces in their name.
- CR-2693 — CB2 Panel Memory Store/Recall buttons are correctly positioned.
- CR-2779 — Removing files in bulk from the USB (using FTP, or deleting the files from the USB before plugging it back into the switcher) will no longer slow or crash the switcher.
- CR-2839 — Field dominance menus are consistent.
- CR-2843 — Memory recall attribute color in DashBoard is always correct when first loading Live Assist.
- Added an hourly log of memory and load averages.
- Connections between DashBoard and the switcher are more stable.

v15.5.3.18949

What's New

- Support for TD OS 65.
- Optimized the startup of the panel between reboots.

Bugs Addressed

- No bugs were addressed for this version of software.

v15.5.2.18897

What's New

- CR-1338 — There is now an option to disable web media manager.
- CR-1786 — Compatibility with the new Ross PTZ camera is improved.
- CR-1792 — Improved logging.
- CR-1469 — The shifted MultiViewer is not automatically recorded into the CC unless manually inserted.

Bugs Addressed

- CR-1330 — The Substitution Bus entry will now show after saving.
- CR-1355 — Bus based substitutions can now be applied.
- CR-1254 — TSL Tally Only option will show switcher name only.
- CR-1767 — Selected pattern and DVE wipe is highlighted in swipe list.
- CR-1768 — Reset button on the vertical display shows active buttons only.
- CR-1061 — DVE key button sizes are consistent for MiniME™s and MultiScreens.
- CR-1043 — NDI® Box 16 can now be shifted.

- CR-1106 — Serial panel now reads adc LED calibration values.
- CR-1105 — Missing video boxes in ViewControl are restored.
- CR-959 — Fixed a crash which is caused by some large CCs.
- CR-1163 — Fixed a bug where sources remain shifted when selecting/deselecting Shift from the panel.
- CR-1780 — Warnings and user messages are displayed properly.
- CR-1775 — Show Alpha for Split key in panel Keyer Module
- CR-1774 — Media items that fail to load have the correct number of loaded frames.
- Plus other security fixes.

v15.5.1.18754

What's New

- Multiple Security vulnerabilities are patched.
- The panel now copies logs into the USB storage.
- Media storage is now a 4-digit number.
- The panel software version is increased to 1.5.

Bugs Addressed

- Bug 66367 Ethernet connection fields are now editable if the method is set as Static.
- CR-1084 "Master Panel" is renamed to "Main Panel."

v15.5.0.18728

What's New

- **MultiViewer Shift** — the user can now assign two sources to each 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

- CR-1048 — CC cancel command always works correctly.
- CR-1078 — DashBoard connection list updates faster.
- CR-500 — DashBoard TCP connectivity is stable.

v15.0.4.18626

What's New

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

Bugs Addressed

- 70042 — An illegal alpha source will no longer disable the MultiViewer.
- Serial panel calibration now works.
- View Control is now working.

v15.0.3.18589

What's New

- **TD 1C** — Support for the TouchDrive 1C panel.

Bugs Addressed

- 71489 — CB3X panels now map memory inclusions correctly.

v15.0.2.18559

What's New

- **Network Disconnect** — Added a 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.

v15.0.1.18522

What's New

- Touch feels more responsive.

Bugs Addressed

- 71003 — You could not assign a custom control to a user button from the 3-knob menu on TouchDrive control panel.
- 71056 — TouchDrive control panel boot time has been improved.
- 71057 — Buttons on the TouchDrive control panel light up to indicate that the system is booting up.
- 71061 — If your finger 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.

v15.0.0.18504

What's New

- TouchDrive panel support

- New look DashBoard
- 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
- Load/Save sets from DashBoard
- Upgrade the switcher from DashBoard
- Improved DashBoard Memory interface
- Custom Dashboard Live Assist with configurable panel Follow

Bugs Addressed

- 65943 — Updated Dropbear SSH server and replaced proftpd with vsftpd
- 66548 — RossTalk KEYCUTON/OFF KEYAUTOON/OFF now work.
- 70402 — Color schemes in DashBoard working correctly now.
- 51148 — Ejecting an animation now clears the thumbnail from the Media page.

v13.0.4.17417

What's New

- Add CK alpha debug output
- ME follows

Bugs Addressed

- Bug 62053 — Panel schemes changed unintentionally.
- Bug 63764 — Loading an SD set in SD mode could cause a crash.

v13.0.3.17165

What's New

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

Bugs Addressed

- Fixed luma error in the last pixel of each line when colour correctors are enabled.

v13.0.2.17165

What's New

- Increase Ethernet panel timeout to 4s after a disconnect.

Bugs Addressed

- No bugs were addressed for this version of software.

v13.0.1.17024

What's New

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

Bugs Addressed

- Bug 61303 — PIVOTCam sends auto iris command after bad message from PIVOTCam-20.

v13.0.0.16935

What's New

- DashBoard SoftPanel.
- Bus Follows.
- Custom Panel Schemes.
- MediaWipe layer selection.
- Web help is now available inside the DashBoard UI.

Bugs Addressed

- Bug 38294 — Added Next Trans to Live Assist.
- Bug 56059 — Trans PV affects CLN.
- Bug 59390 — CC record should capture all Media-Store load messages.
- Bug 59499 — CC on hold stopped flashing when the menu changes.
- Bug 60445 — RossTalk devices only work when assigned to an input.

v12.3.0.16564

What's New

- Show Alpha.
- Support for the Carbonite Black+ 12G frame.

Bugs Addressed

- Bugs 58273, 58277, 58278 — Panel UI LED fixes.
- Bug 58640 — Some quad FSFC channels don't work when all are in use.
- Bugs 58280, 58281 — Mnemonic label bugs on CC banks and Key selects.
- Bug 57832 — PIVOTCam Cam driver can't engage auto iris.

v12.2.0.16083

What's New

- Support for the Carbonite Solo remote panel.
- PIVOTCam driver.

Bugs Addressed

- Bug 48030 — DashBoard disconnected from the frame.
- Bug 55904 — Ethernet panel — no user buttons set on unconfigured system.
- Bug 56625 — ME copy to MiniME™ fails to copy BKGD when ME BKGD transition type is wipe or DVE.
- Bug 56974 — ViewControl shows blank page in 720p when MV is not a ViewControl layout.
- Bug 57404 — LiveEDL reports invalid timecode in SF23.98.

v12.1.1.15421

What's New

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

Bugs Addressed

- Bug 56864 — ViewControl — 720p DashBoard ViewControl overlay incorrect.

v12.1.0.15322

What's New

- New MultiViewer layouts.
- System clock — set date.
- DashBoard — delete single memory.
- Media-Store — set media thumbnail frame.
- Enable MiniME™ PST bus follows.
- 1080p25 support.
- Personality option — next trans buttons toggle.
- Personality option — shift button latches.
- SideShot can access CC banks 1-8.

Bugs Addressed

- Bug 53033 — NKK router labels do not appear on the MultiViewer.
- Bug 54614 — CLN out loses ancillary audio.
- Bug 54827 — Panel brightness setting non-functional.
- Bug 55444 — Media-Stores will not play audio-only clip.
- Bug 55972 — No PID for internally generated sources.

v12.0.1.14515

What's New

- Carbonite Black+ platform with I/O MultiViewers, input/output format conversion, and proc amps.
- MultiPanel — up to 3 panels can control 1 frame.
- Transition — new media transition capabilities.
- Transition — white flash transition type.
- MultiScreen — turn off background DVEs.
- Enhanced 2.5 ME features.
- New fade-to-black.
- Enhancement — Bug 45314 — added option to disable label on incoming TSL UMD.
- Enhancement — Bug 46197 — support more than 32 characters for AMP clip names.
- Enhancement — Bug 46567 — added RossTalk LAYEROFF command.
- Enhancement — Bug 47434 — switcher mode can now be changed in DashBoard.
- Enhancement — Bug 47655 — TSL default mnemonic if no TSL data is present.
- Enhancement — Bug 48940 — added DVE assignment to DashBoard status page.
- Enhancement — Bug 49341 — added Delete All Memories option.
- Enhancement — Bug 52818 — updated the Carbonite Black TSL ID table to include MiniME™s.
- Enhancement — Bug 52961 — TSL now supports UDP.

Bugs Addressed

- Bug 38374 — Custom controls — pop-up message notification when the maximum number of events is reached.
- Bug 44335 — ME copy does not copy state of Roll Clip.
- Bug 44998 — Flown key on MultiScreen shown as on when MultiScreen is disabled.
- Bug 45493 — Default Edge Sensitivity for CK should be "High".
- Bug 45716 — Overlay and clip controls for MV appear in 3G mode, but are invalid.
- Bug 46107 — ME Reset should go to recall.
- Bug 46239 — AMP commands for Loop On and Loop Off are incorrect.
- Bug 46846 — Memory recall of Key Type should be controlled only by the Key Type Attribute button.
- Bug 47715 — The size value range of the DVE key should be adjusted when it is flown on MultiScreen.
- Bug 48043 — Duplicate controls for ME Trans — Reset Rate in CC editor.
- Bug 48045 — CC Editor — ME Trans — Clear Next command meaning is unclear.
- Bug 48109 — Number of CC events should be indicated.
- Bug 48183 — CC Editor — "DVE Dual Edge" parameter is unclear.
- Bug 48192 — CC Editor — differences between "Clear Channel" and "MClear Channel" are unclear.
- Bug 48297 — CC Editor — CC Copy dialog does not update names.
- Bug 48342 — CC Editor — Hmult and Vmult parameters are not a percent.
- Bug 48403 — CC Editor — serial devices missing from CC editor.
- Bug 48550 — Live Assist — trans limit punch pad has no default value.
- Bug 48610 — RossTalk — Saveset command does not appear to store all personality files.
- Bug 48795 — CC — Audio Mixer volume and pan events don't play properly.

- Bug 48839 — Live Assist — default clip/gain parameters are incorrect.
- Bug 48923 — FSFC — SD frame sync letter and pillar boxes look wrong when in SD mode and converting between 4:3 and 16:9.
- Bug 48924 — FSFC — inputting 1080p 59.94 into 1080p 29.97 vid mode is locked out.
- Bug 49175 — PBus II debug logs are incomplete.
- Bug 49904 — Carbonite Black fan speed algorithm keeps FPGA temperature close to yellow warning threshold.
- Bug 51352 — MiniME™ FSFC will not frame sync non-SMPTE-compliant legacy SD video.
- Bug 53925 — MediaWipe — MediaWipe audio loops if video length is greater than audio.

v11.1.2.13444

What's New

- Support for Carbonite Black panels and SideShot CC shot boxes.

Bugs Addressed

- Bug 49693 — GPIs that trigger CCs should resume/cancel like CC buttons.
- Bug 50007 — Audio Follow Video — fader down messages should be sent before up messages.

v11.1.0.13375

What's New

- Introduced MiniME™ FSFC switcher mode for standard Carbonite and Carbonite eXtreme.

Bugs Addressed

- Bug 27281 — Clean Feed doesn't show DVE/Media trans.
- Bug 49082 — Display panel upgrade messages for ePCH.

v11.0.1.13185

What's New

- Support for Carbonite Black panels with Carbonite frames.
- DashBoard custom control editor.

Bugs Addressed

- Bug 26719 — Push-Button upgrade doesn't always show status.
- Bug 43925 — Carbonite eXtreme — matrix swap-over with Controller Carb B improvements.
- Bug 47040 — 1080p29.97 Carbonite+ FSFC restriction not enforced in the UI.
- Bug 48437 — AMP should have option to disable the sending of EJECT before CUE.

v11.0.0.13043

What's New

- Support for the Carbonite Black platform (frame and panels).

Bugs Addressed

- Bug 32545 — Sub black colours are no longer clipped by FCFS.
- Bug 42665 — Audio channel can now be assigned to ME media wipes in the audio device configuration menu.
- Bug 42852 — Fixed memory leak associated with a Media-Store stress test.
- Bug 42895 — Log spam when no serial panel is connected to the frame.
- Bug 44675 — Performing a factory reset while a save set is in progress could crash the switcher.
- Bug 44902 — CC Copy doesn't handle CancelAll.
- Bug 45213 — MediaWipe assignment doesn't persist properly.
- Bug 45280 — Switcher crash after loading invalid audio installation.
- Bug 45444 — USB robustness improvements.
- Bug 45455 — Unable to fly Auto/Self key on MultiScreen from DashBoard.
- Bug 45530 — Factory default should change all recall attributes to Memory.
- Bug 46105 — Frame DIP switch #3 UI restriction is inconsistent.
- Bug 46395 — DashBoard — Rstate of Live Assist is missing the attributes of MultiScreen and MiniME™s.
- Bug 46563 — CarboNET — following a first birthday, DashBoard can incorrectly read the IP settings as DHCP.

v10.1.0.12337

What's New

- Support for CarboNET.

Bugs Addressed

- Bug 45864 — NTP security issues.
- Bug 45784 — Transition area can get into a bad state when copying a 4-key ME to a 2-key ME.
- Bug 43891 — Shift Mnemonic is sometimes missing.

v10.0.2.12118

What's New

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

Bugs Addressed

- Bug 45477 — Filling the Media-Store cache past 2 GB caused issues.
- Bug 45478 — Loading a set during RossLinq loading causes crash.
- Bug 45479 — Thumbnail Generation (with icon) leaks memory.
- Bug 45573 — RossLinq — reloading a RossLinq forces default of Fly Key menu.
- Bug 45763 — Live Assist — adjusting Foreground Reject in basic chromakey forces redraw of UI.

v10.0.0.11804

What's New

- ME Layered Mode.
- DVE Fly Key.
- ME Copy.
- Caprica support, pending the release of Caprica 1.3.
- MiniME™ Key 2 can now be a DVE, enabling a two-box effect in a MiniME™.

Bugs Addressed

- Bug 43872 — Carbonite eXtreme crosspoint routes would affect second switcher in frame.
- Bug 34831 — DVE glitch when switching between DVE key and Chroma key.
- Bug 42835 — MultiViewer — tally borders in 4-4-4 layout were too large on bottom.
- Bug 43560 — MediaWipes in standard mode could cause triple cut on clean feed output.
- Bug 43652 — Carbonite eXtreme — GPI 1 stops working if GPI 18 is set to output.
- Bug 43865 — TSL UMD output frequency is not what TSL equipment expects.
- Bug 44734 — Fixed memory leak in GPI code.

v9.0.0.11223

What's New

- 3G video formats (1080p 50/59.94).
- Support for new panel models C3X and C3S.
- Whitecaps (also known as Embedded Triggers) to send CC commands from Carbonite to Acuity™/Vision. This feature is undocumented.
- 2.5 ME Switcher Mode — 2 ME switchers get a free "half" ME extra.
- TSL Ingest to show TSL source names on switcher mnemonics and MultiViewer labels.
- 1080p 29.97 video format.

Bugs Addressed

- The time it takes to capture a Media-Store no longer gets greater and greater when doing it repeatedly.
- Selecting MiniME™'s on MultiScreen bus no longer crashes.
- Key mask is no longer inverted.
- GPI, GPO, Tally tests are working properly again.
- IPS panels can now access Aux re-entries and MVs.
- Effects dissolve now completes the final frame of the dissolve.
- 1080psf 23.98 vid mode now works on MM and Plus frames.
- DVE zoom is slowed down to be more user-friendly.

v8.0.3.10860

What's New

- TSL UMD output from Carbonite eXtreme can include router names with the label. There is an option for showing router names, switcher names, or both.
- TSL UMD now reports information on busses (with an option to disable the bus name in the label). New device IDs were added for ME1/ME2 backgrounds, presets and keyer video/alpha, MultiScreen 1/2 backgrounds, presets and keyer video/alpha, and MiniME™ 1–4 backgrounds, presets and keyer video/alpha.

Bugs Addressed

- Phantom fader events are no longer causing spontaneous ME transitions.
- Controlling Audio Mixers via the Serial port is fixed.

v8.0.2.10699

What's New

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

Bugs Addressed

- Button processing changed to remove false button presses on panels.
- Key Mask center works properly in all video modes.

v8.0.1.10613

What's New

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

Bugs Addressed

- Input framesync/conversion settings are no longer lost if the switcher is running in a 50 Hz format.

v8.0.0.10540

What's New

- 4 MiniME™s, each with two keyers.
- MultiScreen with Edge blending.
- Carbonite eXtreme now supports using the second matrix slot for another Carbonite eXtreme switcher, or an NK-144 matrix card for router redundancy.
- Shaped Keying has been changed to additive keying and is more flexible.
- "White" is available as an alpha setting to make opaque keys.
- Carbonite can now send out PBus II commands.
- MediaManager is now available in Dashboard.
- Custom Controls are now available in Dashboard.

- Panel brightness can be adjusted while maintaining the current scheme.
- Carbonite eXtreme router labels can now be shown in the MultiViewer.

Bugs Addressed

- MediaWipes are now properly shaped/unshaped.
- GPI/Tally assignments no longer disappear.
- GPIO numbering is now correct for Carbonite eXtreme.

v7.3.4.9987

What's New

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

Bugs Addressed

- Installation/Personality settings are no longer lost periodically on reboot.
- Media-Store capture in 720p50 no longer hangs.

v7.3.3.9783

What's New

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

Bugs Addressed

- RossTalk commands from DashBoard are no longer dropped periodically.

v7.3.2.9554

What's New

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

Bugs Addressed

- Media-Store files with large USB paths no longer cause DashBoard Live Assist to crash. Any thumbnails for these files will show "Path Too Long".
- Mnemonic CC Split mode now shows the proper color (determined by a personality setting).

v7.3.1.9480

What's New

- Shot Recalls for CamBot.
- Allow FCFS to convert from 1080i59.94 to 1080i50 (frames are dropped).
- ViewControl is available even when the MultiViewer is not configured for it.

Bugs Addressed

- No bugs were addressed for this version of software.

v7.3.0.9363

What's New

- Support for Carbonite eXtreme:
 - Switch input mapping from the router subsystem.
 - Router upgrades from the switcher.
- Support for C2S Panel.
- Added more support for MultiViewer overlays.
- Added NK panel switcher control.

Bugs Addressed

- No bugs were addressed for this version of software.

v7.2.0.9130

What's New

- Some switcher configuration is now available in DashBoard:
 - Reference, Video Mode, FSFC.
 - Outputs.
 - Mnemonics.
 - MultiViewer.
- Some additional features were added to the Live Assist interface:
 - Memory Attributes.
 - Bus Switching.
- The switcher now supports 1080pSF 29.97 and 1080pSF 25 video modes.
- The MultiViewer can now display a clock that shows either the time of day or the timecode running into the switcher.
- There are more layouts available when running the MultiViewer in SD → HD mode.
- Each ME can be switched to use either channels 2/4 (default) or 1/3 for the media wipe.
- Media-Stores now use half the space for the alpha channel.
- The Carbonite+ and Carbonite MultiMedia frames now support Proc Amps and Color Correctors on every input.
- Support for the new C1-A panel.
- Transition Preview.

Bugs Addressed

- Clip and Gain controls now behave in a more intuitive manner.
- Key Swap swaps sources properly.

- Keyer alpha values properly max out.
- ViewControl is no longer shifted a few pixels.

v7.1.1.8727

What's New

- Support for the new C10 panel.
- Support for new revisions of the Carbonite+ and Carbonite MultiMedia input boards.

Bugs Addressed

- No bugs were addressed for this version of software.

v7.1.0.8574

What's New

- A new CC special event for resuming a running CC which is held.
- Custom controls can now be copied from one location to another.
- Standard Carbonite frames can now enable 4 more DVEs at the expense of the 6 framesync/format converters.
- The switcher can send out tally and label information to any TSL UMD-enabled device.
- Auto Remove Key can be enabled if the user wants the system to remove a key from the next transition area once it has been taken off air. This replaces the previous Auto Restore Key feature.
- The FSFC labels in the MultiViewer can now be disabled.

Bugs Addressed

- The switcher no longer loses its latch value when controlling an audio mixer.
- "Edit..." overlay in ViewControl no longer disappears when the tab is renamed.
- Sources that are on air through an aux re-entry are now properly lit red on the panel.
- AMP connection recovers from being set to an invalid IP address.

v7.0.0.8275

What's New

- Support for the new Carbonite+ and Carbonite MultiMedia frames, including all input conversion features.
- Support for the new C2X and C2 panels.
- Display test now tests the mnemonics.
- RossTalk Roll Clip action is now configurable.
- OSyncs have been renamed to RefOs.

Bugs Addressed

- Enabling the SD → HD MultiViewer now defaults any outputs showing the MultiViewer (since only aux 7 and 8 can be used).

- Foreground clip and Spill Reject controls in Basic Chromakey menu in Live Assist now show the correct ranges/values.
- Live Assist sliders re-adjusted to prevent UI shake.
- Live Assist DVE pattern buttons re-ordered logically.
- Double-clicking trans rate labels in Live Assist now defaults properly.
- When using internal reference, status window shows N/A instead of Invalid.
- Factory reset now resets the Live Assist MediaWipe button assignments.
- DVE key can no longer be inverted.
- Really large audio files won't crash the switcher.

v6.2.0.7650

What's New

- Labels on the MultiViewer now reflect framesync status.
- Inserting State into a Custom Control stops recording.
- The file format for captured files is now PNG.
- DashBoard Live Assist / Status — using DashBoard 5.0 the user can now control keyers, transitions, and view status.

Bugs Addressed

- USB drives with corrupted file systems no longer crash the switcher.

v6.1.1.7371

What's New

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

Bugs Addressed

- This version enables the use of a wider variety of SODIMMs.

v6.1.0.7303

What's New

- Key Swap — while holding a key select button, press a key button in the next trans area to perform a key swap.

Bugs Addressed

- Upgrades used to fail because files were in use. This has now been fixed.

v6.0.0.7204

What's New

- Enhanced MultiViewers:
 - 29 user-selectable layouts for each MultiViewer, with individual choice of source label, border, aspect ratio marker, and red and green tallies for each source.
 - Ability to output 1080i MultiViewers on a switcher configured to operate in SD.
 - Ability to view up to 16 inputs on each MultiViewer.
 - Ability to configure the source for the ancillary data embedded in the MultiViewer outputs — any external or internal sources.
- Audio playback from Media-Store channels:
 - Ability to embed audio content to the video of any Media-Store channel (up to 16 audio channels per Media-Store channel).
 - A multichannel WAV file can be automatically matched to a TGA/PNG file or sequence and loaded with it, or it can be loaded on its own.
 - Integration with MediaWipe.
- Media-Store Capture — ability to capture a frame of video and store it to USB for future use.
- Remote Aux Panels:
 - External control for Aux bus assignment.
 - Up to 8 Aux Panels can be installed, with programmable constraints on what Aux bus each panel can view and control.
- SideShot — Custom Control Shot-Box:
 - Ability to run any of the 96 Custom Control macros from an external SideShot module.
 - Existing macros are shown on the SideShot module with full mnemonic support.
- RossTalk:
 - Ability to submit commands to control the XPression graphics system from the switcher (integrated with Custom Control macros and the Roll Clip feature).
 - Ability to receive commands over TCP/IP to perform switcher operations.
- BlackStorm server control through AMP — ability to fetch-and-cue a clip on a video server from the switcher (so that it can later be cued using Custom Control macros).
- Audio Mixer control — ability to control and reflect the status of the Yamaha O1V96 and DM-1000 audio mixers' channels (volume level and pan) from the switcher, manually (also integrated with Custom Control macros) or with "Audio Follow Video" integration.
- Configurable Tally assignments — ability to map any of the tallies to any combination of inputs and outputs (many-to-many relationship).
- Configurable GPI assignments — ability to select the function performed when a GPI is triggered.
- Configurable Output assignments — Output 1 to 8 and the PV output can be individually configured to any internal or external input, AUX bus, Program, Preview, or Clean Feed.
- 1080pSF 23.98 — ability to operate the switcher in the 1080pSF 23.98 Hz video format.
- DVE Mask — the box mask and pattern mask features are now available on DVE keys.
- Aux Bus Follow:

- Ability to select an Aux bus as the source of a MultiViewer box — with following source label.
- Ability to re-enter Aux buses on other buses.
- New Personality options:
 - The behaviour of the Auto Trans button on second press is now configurable per ME, with a value for the ME transition area and another for the keyer transition area.
 - The menu auto-follow behaviour of the "next transition area" buttons can now be disabled.

Bugs Addressed

- When changing the content of an existing media file on USB, the Media-Store cache, the Media-Store database, and the Media-Store thumbnail generator would not be notified. The thumbnail will now automatically be updated to show the file's new content, and when this media file is loaded again in a Media-Store channel the proper media content will be loaded.
- When setting the MediaWipe Cut Frame attribute while the transition was running in the forward direction, the MediaWipe cut would not occur at the correct time if the MediaWipe transition was later run in reverse (and vice-versa). This has been resolved.
- If multiple inputs were assigned to the same tally-configured GPI output, sometimes the tally would be inactive even though one input would remain on-air. This has been resolved.
- When recalling memories containing rotated pattern masks or wash patterns with the Effects Dissolve memory attribute, the rotation parameter would not recall correctly. This has been resolved.
- When recalling memories using several DVE resources (Float or Ask resource mode), with the Effects Dissolve attribute set, some DVE keys could be dropped at the end of the dissolve even though the resources were available. This has been resolved.
- Using key copy, one could create a split key when the source key was not split. This has been resolved.
- The joystick could not be used to control pattern masks. This has been resolved.
- Some knobs in menus like the DVE or Pattern menus could show 0.0% when their on-screen value would not exactly match the default position. This has been resolved.
- Box mask size parameter changes recorded in Custom Control macros would not playback correctly. This has been resolved.

v5.1.0.6078

What's New

- Added a browser-based MultiUser GUI with media management support:
 - Ability to browse USB and internal media storage, with thumbnail or detailed views.
 - Ability to cue media files into the Media-Store channels and start/stop playback.
 - Ability to create Media playlists on each Media-Store channel.
 - Ability to view and modify the Item Details of media loaded in Media-Store channels or imported into the Media-Store database.
 - Ability to save and load Media Manager layouts (Perspectives).
- The white border around the MultiViewer boxes can now be disabled.
- The Media-Store now accepts media files with upper-case extensions.

Bugs Addressed

- LTC is now showing in the Status menu with an internal reference.
- The Media-Store cache no longer incorrectly reclaims the space of an animation when only its alpha is removed from a Media-Store channel.
- The serial parity for GVG100 is now set to "odd".

v5.0.3.6008

What's New

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

Bugs Addressed

- Taking inputs on Aux outputs sometimes results in the selection of those inputs on ME busses to fail. This has been resolved.
- Panel no longer locks up while navigating the IP address menus.
- More panel connection fixes.

v5.0.2.5792

What's New

- Added an option for swapping the MLE rows on a C2M.

Bugs Addressed

- Switcher recovers better from panel disconnection.
- Switcher boot-up issues resolved.
- GVG100 Editor Protocol can recall/store memories on any or all MEs.
- Running Custom Controls no longer cause faders to stop working.
- The last two boxes on MultiViewer 2 no longer change on reboot.

v5.0.1.5678

What's New

- Added support for the C1M control panel.

Bugs Addressed

- C2M Key 2 on ME1 is teal colored when it should be white.
- LED Calibration of some buttons is not loaded.

v5.0.0.5494 (Jul 2011 — Initial Release)

What's New

- Initial release for Carbonite — Carbonite 1 (Single MLE), Carbonite 1 (Dual MLE), and Carbonite 2 switcher models, with multi-definition I/O, UltraChrome keyers, floating DVEs, Media-Stores, MultiViewers with tally and source names, MultiUser GUI graphics management, theme-able panel glow RGB buttons, animated MediaWipes, MemoryAI, custom control macros, and LiveEDL.

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**