

# Kalypso

VIDEO PRODUCTION CENTER

## Release Notes Addendum



SOFTWARE VERSION 15.0.0

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## Grass Valley Web Site

The [www.thomsongrassvalley.com](http://www.thomsongrassvalley.com) web site offers the following:

**Online User Documentation** — Current versions of product catalogs, brochures, data sheets, ordering guides, planning guides, manuals, and release notes in .pdf format can be downloaded.

**FAQ Database** — Solutions to problems and troubleshooting efforts can be found by searching our Frequently Asked Questions (FAQ) database.

**Software Downloads** — Download software updates, drivers, and patches.



## END-OF-LIFE PRODUCT RECYCLING NOTICE

Grass Valley's innovation and excellence in product design also extends to the programs we've established to manage the recycling of our products. Grass Valley has developed a comprehensive end-of-life product take back program for recycle or disposal of end-of-life products. Our program meets the requirements of the European Union's WEEE Directive, the United States Environmental Protection Agency, and U.S. state and local agencies.

Grass Valley's end-of-life product take back program assures proper disposal by use of Best Available Technology. This program accepts any Grass Valley branded equipment. Upon request, a Certificate of Recycling or a Certificate of Destruction, depending on the ultimate disposition of the product, can be sent to the requester.

Grass Valley will be responsible for all costs associated with recycling and disposal, including freight. However, you are responsible for the removal of the equipment from your facility and packing the equipment to make it ready for pickup.



For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Canada please call 800-547-8949 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: [www.thomsongrassvalley.com/environment](http://www.thomsongrassvalley.com/environment)



# *Kalypso Release Notes Addendum*

## Software Issues Resolved in Version 15.0

Table 1. Resolved Software Issues

Area	Problem	ID
Frame	Selecting "none" xpt on 1RU Sat Aux Panel kills frame.	70971
Frame	Sometimes on reboot the frame crashes due to PBus2 configuration.	75262
Frame	Sometimes a reboot is required to start the frame.	75300
Keyer Wipe	For both Inhibit and Force Mask, when Keyer Wipe is selected the Softness knob does not work from the menu or panel. The user must manually turn on the Softness ON flag under Box Mask first to see the softness work on Keyer Wipe.	75264
M/E	The Primary and Secondary buttons are not always active while in Split mode.	77585
PGM	Using a key with transform engine, a phase shift occurs during a cut on Pgm bus.	51775
Preset Bus	At times, re-entry sources shift one line compared to direct sources.	53678
Still Store	Playing back a Still Store animation clip on multiple outputs causes the dropping of frames across all outputs. Playback will appear to be double speed or faster.	21148
Still Store	Related to CR#61966: Resetting the Still Store posts an inaccurate NO FRAME COM message on the menu. Communication with the Video Processor frame remains intact during Still Store reset. Only communication with the Still Store is interrupted during Still Store reset.	22290
Still Store	Still Store directory changes are not saved/recalled via E-MEM.	57570
Still Store	Marking Thumbnails, while an animation is in progress, interrupts clip playback.	61208
Still Store	When running in 1080i mode, the status returned during Still Store operations (such as a load) is not always correct.	61372
Still Store	In Still Store, changing to a new directory with a lot of clips causes the thumbnail menu to flash till a complete list is received.	61627
Still Store	Rapidly recalling stills using E-MEMs, Macros or manually can lock up the still store.	61628
Still Store	Cache Unload does not work intermittently.	61629
Still Store	Loading a still into one output can unload another output.	61966
Still Store	After turning off a Video Key pair, loading a still into the channel that was Key unloads the still in the channel that was Fill.	62307

Table 1. Resolved Software Issues - (continued) - (continued)

Area	Problem	ID
Still Store	Doing Unlock/Uncache with outputs containing stills causes subsequent loading errors.	63709
Still Store	Next button stops advancing clip/still list. Prev works ok.	61704
Still Store HD/Duo only	Sometimes stills unload from paired outputs when changing directory.	63479
Transform Engine	TE center of rotation is offset when rotating Z 180 deg	53322
Transform Engine	Timing shift on screen when selecting a re-entry with aTE or Fill Freeze enabled.	53960

# Known Software Problems

Table 2. Known Software Problems

Area	Problem	ID
AMP	K2 AMP machine does not respond if messages are less than 5 frames apart.	70541
AMP	Ethernet has priority of Serial commands for AMP protocol	70551
AMP	Rolling 2 K2 channels together do not stay in sync.	72297
AMP	While enabling or disabling an AMP ethernet device, a 1-2 second delay can occur with the panel.	78031
AMP	Cue commands do not work on K2 AMP (serial or ethernet) if Kalypso is set to "Tape Timer".	84932
AMP	In AMP Ethernet, changing directories with a large number of clips takes several minutes.	84934
AMP Serial	Clips do not recall first attempts if not set to Default Directory: K-2 AMP Serial.	84930
Bus Linking	Bus Linking the U1 and U2 buses as masters to the A and B buses as slaves will cause undesired results when simultaneously transitioning the Primary and Secondary partitions of a split M/E. Work around is to use the A and B buses as masters when linking Primary and Secondary partition background buses.	32099
Chroma Key	When Source Memory is on, if a keyer specifying a Chroma Key is selected, but a Chroma Keyer is not available for use, Source Memory for that source reverts to Fixed Linear Key. Later, if a Chroma Keyer becomes available, selecting that keyer source produces a Fixed Linear Key, not the desired Chroma Key.	31404
Copy Swap	Parts of a Copy operation that are not enabled in the destination of the copy may not be recognized by MOD operations. This is especially true when copying TE data to a keyer that doesn't currently have the TE enabled. Work around: The first time you Copy and MOD, the TE will be enabled, but that data may not be transferred. If you Copy MOD a second time, the rest data will be transferred.	52305
E-MEM	E-MEM/Source Memory doesn't always properly handle Transform Engine parameters for Front/Back switching if the switch does not occur on a keyframe and the Front/Back parameters are significantly different from each other. Work around is to add a keyframe at the switch point.	11468
E-MEM	The Kalypso system does not recognize the flip/flop of buses at the end of a transition as a modified parameter. This means the Modify button cannot be used to edit an effect with these automatically selected sources, and it also affects setting up Effects Dissolves. Work around is to perform the transition and then select the ending sources manually, or simply select the two sources manually without performing the transition. Once sources have been manually selected, Modify and Effects Dissolves will work.	28014
E-MEM	When at the last keyframe of an effect with Stop Next KF on, pressing Run fails to update the Work Buffer with the first keyframe of the effect. Rewind works correctly.	44885
E-MEM	In 300 Mode the offset register indicator does not always display on the E-MEM RT Panel display when it should. The timeline display correctly shows the offset register condition.	51108
E-MEM	Recall/Auto Run of effect sometimes does not run.	52161
E-MEM	Files within SHOW folders are not individually accessible.	59529
E-MEM	Can't unlock empty register--A workaround is to select each level individually until you find the locked level. Then temporarily assign a non-empty sublevel to it. Unlock it. Assign the sublevel back to its original level.	61748
E-MEM	AMP Serial: Changing directories can sometimes take several seconds to refresh, making E-MEM operations impractical.	74126
E-MEM Recall	Machine Control panel allows loading of stills and clips of a mismatched format. Work-around: Enable "Auto Run" in the Master E-MEM section. The double hit recall work-around only works if you don't recall to AIR and remember to do it each time before you run your effect.	67904
E-MEM	When running an effect in reverse with several pauses in the timeline, the effect will stop at the first pause and will not continue running in reverse on subsequent button presses.	19095
E-MEM	When Master E-MEM has multiple levels out of sync (for example, enabling one Master E-MEM level, partially running it, disabling that level and enabling another level, and then running it), and the Master E-MEM is parked at or past the end of the effect, pressing the Run button snaps all levels to the Master's current time and then the run stops because the effect is at the end. A second press of the Run button is then required to run the effect. A work around is to rewind effects manually before running them. (If the levels are already parked at their beginning, the rewind won't disturb that state.)	29836

Table 2. Known Software Problems - (continued)

Area	Problem	ID
EMEM (Double Take)	<p>Keyer flash when changing between Split and PCF/Normal mode with E-MEMS.</p> <p>Workaround: Since the processing delay of the keyer state (when switching in and out of split M/E mode) is 1 field, a macro can be built that turns off the keys, waits 1 field then recalls the desired E-MEM register. This isn't always reliable because macros do not remember the state of the keyer.</p> <p>To record that macro:</p> <ul style="list-style-type: none"> <li>- Enable macro record.</li> <li>- Turn off the keys in the affected M/E.</li> <li>- insert a 1 field delay.</li> <li>- recall the desired E-MEM register.</li> <li>- turn off Macro record.</li> </ul>	68764
External Device	Serial controlled devices in External Devices/Enables menu are slow to respond to "Disable all".	73953
External Devices	When "Cue to Begin" button in External devices is pressed, the clip freezes.	80839
Fence	Horizontal and Vertical Fence adjustments result in image noise.	78452
File Operations	Cancelling a load user profile operation does not revert to a pre-load state.	60696
Frame	Recording a macro with wipe copy swap causes a loss of communication with the frame.	64962
GPI Output	If a negative value is entered for GPI output Duration, it wraps to max value. This is a problem with all unsigned integer parameters from the keypad popup.	26248
Hold	Holding a crosspoint during E-MEM recalls still updates source memory.	11871
Key Priority	Keyframes and Effects Dissolves do not work on Key Priority modes. The mode is always recalled as a cut at the end of a transition.	22064
Keypad Data Entry	Existing keypad values are not cleared when negative values are entered on the Main panel unless the negative key is pressed last. For example, if 5 is the starting value, pressing - 1 results in a -15 value. Pressing 1 - gives the desired -1 value.	29886
M/E Re-entry	If an effect is learned to re-enter M/E 1 into M/E 2 or 3, then another effect is learned to re-enter M/E 2 or 3 into M/E 1 in a different register, the re-entries do not swap as they should.	23395
Machine Control	AMP Serial Protocol - If the program clip and preset clip belong to different folders, the RT Panel sometimes displays the wrong clip list.	51506
Machine Control	Cannot roll synchronously multiple external device channels using Gang control.	48820 72297
Macros	When using a macro to control several Transform Engine (TE) parameters, all the parameter changes may not be executed when that macro is played back. The TE requires processing time to calculate changes, particularly those for source space. Work around is add 2 fields of delay to the macro between each TE parameter change.	37984
Macros	Macros run from the Main panel do not perform Engineering Setup parameter changes. Work around is to run Macros with Engineering Setup changes from the Macro Menu (being sure to be logged in as the EIC).	38385
Macros	A Pre-Attach macro can cause button release to be intermittently missed. Work arounds include: If you only have a Pre-Attach macro and the button function, create a macro that has the button function and Post-Attach it to the button. Then attach the Pre-Attach macro functionality as a Replace Attach to the button. Alternatively, you can build a single macro with the entire functionality (including the macro and button function) and attach it as a Replace Attach macro. If you have a Pre-Attach macro, button functionality and a Post Attach macro, insert timing delays until the macro works reliably.	40391
Mask	For v12.0.0 the E-MEM default Mask setting is OFF. The default for versions before v12.0.0 was ON, because the Keyer Mask menu did not exist on Kalypso systems. E-MEMs created with earlier versions of software that employ Keyer Mask will need to be loaded and re-saved with the Mask setting turned ON for proper operation.	63851
Mask Wipe	Mask Wipe softness cannot be enabled for effects built in v10.0.	63219
Menu	The Menu application occasionally takes more than a minute to shut down. Though it appears to have shut down, it hasn't completed and a new Menu application cannot be started until the old one has finished shutting down. Work around is to bring up Task Manager and End the old Menu task so that you can start a new instance of the Menu.	42739

Table 2. Known Software Problems - (continued)

Area	Problem	ID
Menu Panel	External Device Control Menu buttons do not display correctly for FFwd and Rewind AMP protocol.	70730
Mod All Absolute	The Mod All Absolute feature, available in the Timeline Menu, applies Transform Engine X and Y position parameter changes to all keyframes in an effect even if only one position parameter was changed.	29115
NetCentral	On failure of one or more fans in the frame, Net Central III reports an informational message that The system cooling-fans resumed normal operation.	35757
Output Recursive	Montage effects do not always run the same with manual run vs. Auto Run.	83426
Output Recursive	In Montage, Chroma fades faster than the rest of the image.	83802
Panel	Time display often shows frames rather than seconds for Keyframe Durations.	10730
Pixelator	Pixelator appears masked and only operational on Keyers 1 and 3.	50884
Pixelator (HD Only)	Pixelator controls do not work on Background and Utility buses on Kalypso HD systems running in 720p mode. Pixelator controls do operate on key buses, however. Work around is to put the source on a key bus clipped to full frame and pixelate the key.	54104
Preset Black	If a Preset Black transition is performed half way (black is being output), recalling an E-MEM with Effects Dissolve will show the transition on the output and then return to black.	12512
Remote Aux Panel	Bus Linking: using a remote aux panel to control an aux bus (which is linked to an M/E) bus is not reliable.	72197
Resource Sharing	Default Keyframe stays with the physical M/E.	34251
Router Interface	Router sources do not show up on Menu or panel if router source is via a Tie line.	60080
Serial Tally	Extended character set corrupts tally name message. No character above 0x81 supported.	33844
ShotBox	Resetting the Shot Box causes Master E-MEM to recall register 00. Work round is to make sure all levels are disabled on Master E-MEM before resetting the Shot Box.	50938
Source Memory	When key mode changes during source change, the keyer stays in freeze mode.	17424
Source Override	Source Override not working against source selection from menu.	35185
Split Mode	Keyer flash when changing between Split and PCF/Normal mode with E-MEMS.	68764
Still Store	Channel pairing is not remembered with EMEM.	86335
Still Store	Looping Clips in SD may flicker if the Freeze Mode is set to Field. If a clip has freeze mode set to Field 1 or 2, playing it in a loop will cause the video to intermittantly change between field 1 and 2. Workaround: Setting the Freeze Mode to frame corrects the problem. Freeze mode should not affect the looping clip at all.	86453
Still Store	Loops from previous software versions will not run in SD. End time is one frame less than it should be.	86403
Still Store	In Still Store, loop count cannot be changed while an animation is in progress. Loop count can be changed when the animation has stopped.	61206
Still Store	Downloaded images do not appear in their folder until a refresh of that folder is performed.	73356
Still Store	Still Store thumbnail missing when loaded from Show.	75192
Still Store	Cancel Output button on playback pane doesn't work.	78419
Still Store	Still Store accepts invalid file names from FTP source.	78723
Still Store	Renaming a folder does not return you to the user directory.	79311
Still Store	Cannot record and load images at the same time in SD mode.	80344
Still Store	Still Store bus always shows Video and Key even if source has No Key.	80353
Still Store	Pressing Mark Thumb causes Still Store controls to lock until thumbnail is updated.	82579
Still Store	Available time display shows incorrect time remaining when recording clips.	82799
Still Store	Renaming, moving or deleting an image in the Image Server breaks the relationship to that image in the work space.	83076
Still Store	When a remote Image Server is disconnected, some images are incorrectly shown in cache.	85034

Table 2. Known Software Problems - (continued)

Area	Problem	ID
Still Store	Can't change directories while files are loading into cache.	85890
Still Store	Occasional streaks or sparkles in the video signal exhibited during testing. This occurs only with pathological test signals, not in normal video.	86109
Still Store Loader	Converted files transfer as Video/Key when they are Video only.	84985
Still Store Loader	Images transferred via (any) Still Store Loader set to HD line rates, will cause the Classic Still Store to disconnect.	85915
Still Store HD/Duo only	In SD Mode only, under some conditions Still Store playback can be slightly offset from its record.	41907
Still Store HD/Duo only	Still Store input vertically out of time in SD mode.	56164
Strobe	In Live SF Mode, when Strobe is turned on with Freeze at 100% the picture freezes.	58891
Timing Analyzer	The timing Analyzer on Kalypso HD will mis-read the timing of a certain class of sources.	84141
Transform Engine	When a key signal is passed through a Transform Engine, for some angles and for certain size the video becomes blurry.	54858
Transform Engine Classic 16:9	On Kalypso Classic systems, 16 x 9 Page Turn offset does not allow the page turn effect to complete.	30558
Transform Engine HD/Duo Only	On some systems horizontal lines flash across Transform Engine.	51561
Transform Engine HD/Duo only	Defocusing an image causes a vertical line of non-focused pixels on the left edge of the image. Work around is to crop the image.	52299
Transform Engine HD/Duo only	Some combinations of Transform Engine Lighting with the Kurl. Ripple mode create a moiré pattern in the lighting.	52482
Utility Bus	Incorrect internal routing of Utility Bus signals used in PST Pattern border washes.	73439
Wipe	Wipe scaling problem. Wipes appear on screen after the transition has started and complete before the transition panel has finished its transition.	11641