Multicam 10.03.33 Release Notes

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1. WARNINGS

- **Multicam 10.03 is only compatible with A2/A4 MTPC.**
  MTPC revision A1 or A1/R2 (Juki motherboard) is no longer supported.
- Multicam 10.03 does NOT support the XT1 platform.
- A clear clip (clearing the video disks content) is mandatory switching from version Multicam 8 to Multicam 10.03 and vice-versa.
- Multicam 10.03 must be used with version 3.03 of the XHub.
- Setup parameters (Shift-F2 and remote setup) may be reset after the upgrade. Please check all your parameters after the upgrade.
- **Multicam 10.01.73 onwards (including 10.03.33) is required to use SAS drives (see 5.1 for details). Previous versions do not support SAS drives.**
- **SAS drives are only supported on XT[2]+ and XS, not on XT[2], XTnano or XL.**

2. NEW FEATURES

2.1. In 10.03.33

- Possibility to execute all copy clips operations via gigabit transfer rather than SDTI
- Possibility to push clips via gigabit also between servers not connected to the same SDTI network.
- Improvements in super motion DVCPro HD – now officially released
- Support for XTnano
  - Support for dedicated nano remote
  - Support for XTract backup tool
- Support for XSense
- Epsio integration : offside line and live tools
- Hypermotion cameras
  - Support for Photron camera
  - Support cue points across several blocks
- Interactivity improvements
  - Ability to change the angle of a clip inside a playlist
  - Better integration between IPDirector and Multicam switching exclusive control between the IPDirector and the Multicam
  - New audio OSD
  - Improved readability in HD
  - Sort clips by TC in playlists
  - Swap in 2 PGMs
  - Confirmation before deleting PL
  - Clips no more blinking while awaiting guarbands
  - Short copy of local clips
  - Clear bank from remote
  - New playlist effects : V fade and Fade to/from black.
- As run logs improvements

2.2. In 10.01.75

- No new feature, bug fixing only

2.3. In 10.01.73

- Support for SAS drives except for internal hot-swap disk array

2.4. In 10.01.67

- No new feature, bug fixing only

2.5. In 10.01.65

- VarID from name : when this parameter is set at multicam start up, if a clip is created without VarID32 by the IPDirector, we copy the name into the VarID32.

2.6. In 10.01.57

- Support for DVCPro 50 and DVCProHD.
  DVCPro HD 1080i Supermotion is currently NOT supported.
- Multiviewer support
- Support for the Vision Research hypermotion camera

2.7. In 10.01.38

- 16 audios configuration
- 3D dual-stream support
- 1080p dual-link support
- MPEG2 Intra support
- XL[2] and XS support
- Hypermotion camera integration
- Manual off-side line on the remote D
- 32.000 clips on the SDTI network
- Continuous TC in playlists
- New GPI configurations
- Playlist and Timeline seen as clips for automation playout

2.8. In 10.00.45

- New timeline engine for IPEdit support
- TTL GPIs can be configured as in or out
- Clip creation based on GPIs
- Director's cut GPIs
- HCTX GigE streaming and player
- Support for XHub 3.03
- Support for XL[2] and XT[2] in proxy mode
- SNMP support
- Edit Rec functionality
- Increased number of playlist elements per server (up to 16000)

3. BUG FIXES

3.1. In 10.03.33

- Various SAS improvements and bug fixing
- Occasionally, no OSD for recorders in 0 play AVSP configurations (Bug ID 12485)
- Loss of audio after loading a timeline (Bug ID 12555)
- Cam B is not correctly displayed on the multiviewer in SLSM+1REC config (Bug ID 12603)
- Speed/FX options remain ON when leaving PLST DIFF mode (Bug ID 12665)

3.2. In 10.01.75

- Fixed a genlock stability issue on COHX Genlock boards A5 fed with blackburst (Bug ID 12387)
- SNMP agent not compliant to standard for "GETNEXT" and "GETBULK": scalar not returned with .0 subID (Bug ID 12156)
- In VDCP: the Stop and Playcue could not be chained too fast (Kayak GVG switcher) (Bug ID 12350)

3.3. In 10.01.73

- Freeze field after transition on AVSP playlist elements cut in two (Bug ID 10555)
- Record train could not be streamed (Bug ID 10492)
- Dump in AVSP clip creation (Bug ID 10885)
- Channel goes idle when a machine connects to SDTI (Bug ID 10881)
- IP Edit Timeline clips play at wrong speed (Bug ID 10496)
- Connection lost with hypermotion after config change (Bug ID 10955)
- AirEdit is able to delete clips loaded on channels (Bug ID 10887)
- MTPC IP address reset to default when cable is removed (Bug ID 10641)
- Second remote does not display playlist mode (Bug ID 10494)
- Bootwins - INIT ERROR : TIMED OUT -- state = [13] (Bug ID 11663)
- Play on multiple PGM does not start using GPI IN (Bug ID 10846)
- XTAccess stopped many Backup to Nearline due to Cancelled by XT (Bug ID 11952)

3.4. In 10.01.67

- Better management of Seagate 15K disks.

3.5. In 10.01.65

- A "clip list" command in VDCP could under certain conditions cause the system to stop (Bug ID 10174)
- The sample rate converter was always set to "ON" in digital audio configurations in the AVCFG interface (Bug ID 10217)
- In spotbox mode, clips could not be saved correctly if the server was not exited via the Alt+Q command (for instance if it was powered off) (Bug ID 10327)
- The IP address for the LAN PC gateway is defaulted to an acceptable value (Bug ID 10300)
- Wrong capacity on XL[2] (Bug ID 10381)

3.6. In 10.01.60

- Fixed a problem preventing from operating the server with Seagate disk drives (Bug ID 10262)

3.7. In 10.01.57

- Loss of control on PGM4 in 2in 4out 3 remotes when loading a playlist on the 2nd remote (Bug ID 8246)
- Split audio issue (Bug ID 9617)
- Clip update from the VGA was giving wrong TC information for XT Access (Bug ID 9703)
- Keywords from files with more than 8 characters are not visible on the SDTI Server (Bug ID 9641)

3.8. In 10.01.38

- Go to TC is now available on network trains
- In super LSM the stop on short-out was done on the wrong TC (Bug ID 5731)
- Impossible to clear individual cue points – Cue point management reviewed (Bug ID 6202)
- protocol - fill & key - load clip was incorrect in VDCP (Bug ID 5995)
- Sort TC : clip would not load if the requested TC was on the out point (Bug ID 5344)
- Various split audio corrections
- A new sort-TC request inside results was giving back the initial results (Bug ID 8379)
- From the Setup remote - change of kwd on the server – distribution not done (Bug ID 8812)
- Sync Prv impossible sur des trains distants ayant des Primary TC différent (Bug ID 8835)
- Various bug fixing related to search on remote using keywords in numeric mode
- Search Net - Clip+Rec – with Keywords would retrieve local trains as well (Bug ID 8850)
- Ranking assignement is not always possible on record trains when automake clip is off (Bug ID 8875)
- Replace funciton timing was inaccurate (Bug ID 8939)
- Load a playlist on one PGM in playlist conditional mode. Give the control of that channel to a secondary controller in exclusive mode => the remote is locked in that mode and can not regain control (Bug ID 7144)
- In replace mode, the OSD information 'replace in progress' can appear on uncontrolled channels as well (Bug ID 6550)
- In manual audio swap with 4 and 8 tracks, the default setting proposed for the out point is sometimes incorrect (Bug ID 6089)
- Inserting VITC in IMX and pausing on any field, will causing the inserted TC to flick instead of being constant (Bug ID 6301)
- Remaining capacity is wrong in loop rec off, capacity per channel (Bug ID 6799)
- Reloading technical settings from the Shift-F2 re-applies the RS422 settings last saved in the remote (Bug ID 6576)
- When the VGA is on remote clips and a network playlist is loaded on the remote, switching on the VGA from the clip banks to the playlist banks will cause the end of the playout of the remote playlist (channel will go live) – a warning is now displayed.
- When playing clips from one PGM onto the recorder of an XT, there was a delay in TC on the PGM and the VITC on the recorder (Bug ID 9050)
- XNet Monitor can now be installed on Vista and Windows server 2003 (Bug ID 9178)
- Distribution of date and time across the SDTI server was not always accurate (Bug ID 7971)
- When copying a PLST+Clips, the split audio transitions were sometimes lost (Bug ID 7981)
- Clips were occasionally remaining in creating state when clipped from a network train on a spotbox machine (Bug ID 8090)

3.9. In 10.00.45

- Bug fixing in IP Edit moves
- Serial links would sometimes break up while in operation
- The VarID size was not correct on the SDTI network
- Bug fixing in remaining capacity display in loop rec off

3.10. In 09.00.74

- Change in speed during the swap between PGM and PRV (Bug ID 8212)
- Protocol AVSP: time value returned by system status is not correct after a clear clip+train (Bug ID 8215)
- VDCP: NewCopy function doesn't work when used with IDLsm (Bug ID 8577)
- Multicam freeze in spotbox sony after a clear clip (Bug ID 8609)
- Dump - spotbox AVSP (Bug ID 6912)
- Correction in the resync to TC Ref (Bug ID 7033)
- Correction for browsing clips in playlist with Field IN to 0 (Bug ID 7309)
- Protocol Odetics: Lance TDC-100 locked after Multicam restart (Bug ID 8057)
- When a secondary protocol was defined on channels controlled by Remote 2, simply checking the setup on Remote 1 was resetting the channel control on remote 2 (Bug ID 8722)
- Fixed Remaining time in 0 Rec spotbox configs (Bug ID 8551)
- AVSP - C0.17 Last command : the server return nothing (Bug ID 8581)
- VDCP : LouthstoponFirstImg (Bug ID 7665)
- Audio corruption problems in some config (detected by YLE during Olympics) (Bug ID 8025)
- Correction Micro Mix DolbyE (Bug ID 8482)
- Protocol AVSP: OSD not displayed if AVSP is used on more then one serial port (Bug ID 8493)
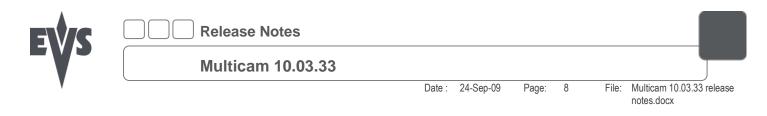
3.11. In 09.00.70

- Protocol VDCP: Id's added list does not respect VARID visibility settings (Bug ID 7225)
- Protocol VDCP:ID Size Request is not updated during clip recording/creation (Bug ID : 7579)
- Protocol VDCP: ID Added is notified even when outside visibility range (only if clip VARID already exist in visibility range) (Bug ID 7601)
- Protocol VDCP: ID deleted is not notified when clip is moved with NetMoveVDCP (VARID) (Bug ID 7610)
- On the remote in PGM/PRV : in playlist edit mode, delete a playlist element. When reinserting the element by pressing "enter", "shift+insert" or "take" on the remote, the clip was reinserted with its initial guardbands (Bug ID 7658)

3.12. In 09.00.67

- XT servers with a serial number higher than 65540 could never become server on the SDTI network
- Display bug in the Shift-F4 for the SDTI devices with serial number higher than 65540 (Bug ID 7541)
- Protocol VDCP: Id's added list does not respect VARID visibility settings (RTR Moscow) (Bug ID 7225)
- Protocol AVSP: CopyClipFromTrainEx uses 'machine number' in place of 'net number' for 'target machine' (Bug 7547)

3.13. In 09.00.66

- "IN OUT" OSD information not displayed anymore during playlist replace (Bug ID 7306/7307)
- Copy short of playlist clips not happening if clip field In set to 0 (Bug ID 7308)

- Short-in / Short-out not kept in made local playlists if a playlist with the same clips had already been made local (Bug ID 7284)
- Clips with odd out or short-out can not be inserted in a playlist (Bug ID 7301)
- IMX SLSM NTSC mode was not correct - creating parity violation
- VDCP : Id's added list does not respect VARID visibility settings (Bug ID 7225)
- Various HCTX Gigabit corrections :
-      Allow XT copy to XT between M9 and M10 versions
-      Reset failing in some cases
- Rebuild online improvement (Bug ID 7346)
- DNxHD : there was a small chance that the codec was not correctly initialised making clips unusable in any software player nor in Avid.

3.14. In 09.00.63

- Cue point number not always displayed on the OSD when using the last cue command (Bug ID 5900)
- The autoname function to set the name according to the VARID32 was truncating the clip name to 12 characters even though 24 are available (Bug ID 6954)
- The aspect ratio of HD clip was wrong in the database and therefore incorrectly transmitted to the IPDirector, XFile and other third-party applications (Bug ID 6984)
- In Spotbox Sony, when the AutoStart Recorders was set to Off, nothing was loaded on the players. Now the last frame of the previously loaded or available recorder is loaded (Bug ID 6995)
- When loading a clip from the remote and giving the secondary control of a channel to a Sony protocol, the channel would go live. Now it remains loaded on the same picture as before the secondary control command (Bug ID 7085)
- Occasionally, in 2 remotes configuration, browsing on one remote would not be fluid if the lever was being used on the second remote (Bug ID 7086)
- Sync To remote trains was not working anymore (Bug ID 7090)
- In Sony, the remaining time of network record trains was wrong when at the beginning of the record train (Bug ID 7121)
- The system date of the servers would sometimes switch back to wrong dates (Bug ID 7189)
- After a "resync to TC ref" command, the TC returned in AVSP for record trains was inaccurate (Bug ID 6952)
- Starting a playlist on a clip containing an audio swap was sometimes giving out corrupted audio (Bug ID 7212)
- VDCP recorder: only recorder 1 (ox81) was available. Other recorders could not record (RecordInit command return a SystemError) (Bug ID 7217)

3.15. In 09.00.47

- In super motion replay at very low speed, when reaching the short out point of a clip, the playout will jump to the three fields backwards (in supermotion 3x) or two fields backwards (in supermotion 2x) (Bug ID 5651)
- Multiple corrections related to pref cams (Bug ID 223, 259, 1878, 2237, 2321, 2493, 2497, 2563, 3050, 3056, 3064, 4473, 4475, 5575)
- When pressing BROWSE in PL DIFF mode, this can cause the AUX clip to start playing. If the user pushes the play key or moves the lever immediately after that, the playlist will start while the AUX clip is already playing, thus they will not be synced properly. To avoid this, before starting the play again, press the PLIST key first to recue the playlist, or move the jog dial (BUG ID 1693)
- Multiple corrections related to OSD : incorrect OSD or characters appearing on the OSD (Bug ID 2153, 4444, 4465, 6203)
- Occasionally, if several network clips were loaded on several PGMs of the same XT to be played at the same, the last one would fail (Bug ID 4476)
- In PGM/PRV mode, after a sort-TC, clips would remain loaded on the PGM even after pressing the Live button (Bug ID 4478)

- When playing several playlists at the same time on different PGMs of the same server, the transport command would sometimes apply to the playlist loaded on PGM1, sometimes to the one on PGM2 (Bug ID 4487)
- In Spotbox AVSP, on the VDR panel in 6 rec, it was not possible to create clips if the recorders were not synchronised (Bug ID 4488)
- The post-roll parameter was not applied to all controlled PGMs (Bug ID 4495)
- Unable to reach the search function using the remote when a clip is loaded on the primary channel (Bug ID 4496)
- Supermotion clips 3x inserted in a playlist while the configuration is not anymore in supermotion. The lever was proposing a lever range at 50% instead of 33% (Bud ID 4502)
- It was possible to connect to the record trains of an XFile (Bug ID 4506)
- When pressing the browse button on a loaded playlist, the aux clip would start playing (Bug ID 4509)
- Pressing alt-P to pause a playlist was not pausing the aux clip (Bug ID 4510)
- When disabling the OSD in Paint mode, the OSD was also inactive in Target mode (Bug ID 4523)
- Wrong record remaining time in OSD display after a goto TC (Bug ID 4529)
- Pressing Alt-O in the Shift-F2 screen was not disabling all OSDs (Bug ID 4531)
- Loading a network TL was possible while it is not supported (Bug ID 4595)
- Display bug on remote panel when switching from Split to Paint or Target mode (Bug ID 4608)
- Toggle Cam mode was not working correctly in 3Rec 3Play mode (Bug ID 4612)
- If no timeline receive page had been set up, timeline extend functions requiring the creation of new clips were not executed (Bug ID 4619)
- The audio monitoring OSD on the recorders monitoring output was not present (Bug ID 4621)
- In split audio editing enable, in playlist edit mode, activate then deactivate the V Base or A Base mode. It was not possible anymore to go back to the edit with the D key of the remote (Bug ID 4643)
- Sync prv was not correctly working if both PGM and PRV were set to a different delay from the live (Bug ID 4644)
- Bug fixing using the undo/redo in playlist replace mode (Bug ID 4692)
- OSD warning messages were disappearing after a time out (Bug ID 4706)
- It was possible to get broken images on a record train if the channel configuration was changed while playing out a playlist in pgm/prv mode (Bug ID 4716)
- Clips were sometimes taking several seconds (flashing on the remote) before being saved (Bug ID 4724)
- Restoring setup from the remote panel – the default configuration was not directly applied (Bug ID 4728)
- There were wrong OSD audio meters on the PRV channels when playing a playlist with effects. They have been removed (Bug ID 4733)
- In stand-alone mode, it was not possible to delete a clip that was inserted in playlist or a TL (Bug ID 5044)
- Switching to secondary VDCP control from an IPDP control would cause the server to crash (Bug ID 5120)
- It was not possible to insert search results into a playlist from the VGA if the code 112 was not active (Bug ID 5514)
- In Load Playlist conditional, when a different playlist is loaded on 2 PGMs, the playlist name displayed on the first PGM corresponds to the name of the playlist loaded on PGM2. The images are correct.

4. KNOWN ISSUES & LIMITATIONS

4.1. Issues

4.1.1. Since Multicam 10.03.33

- Push Gigabit :
  - If a second push is initiated before the current one is finished, the list of targets may not be refreshed correctly (Bug ID 12813, 12868)
  - Cannot push a SDTI network clip through gigabit to a gigabit only server (Bug ID 12864)
  - Not possible to push a 6 cam clip to target 1 and 2 simultaneously (Bug ID 12859)
  - When pushing on the fly before saving the clip, changes made on the clip information (name, keywords, rating) are not pushed (Bug ID 12847, 12848)
  - Gigabit push clip ID destinations start from 0 (110, 111, 112,…) while SDTI destination IDs start from 1 (111, 112,…110). (Bug ID 12811)

4.1.2. Since Multicam 09.00.74

- If a remote clip from a machine having the "edit clip by network" set to No is inserted in a local playlist, from the clip screen, it is possible to delete that clip on the remote machine if the user answers "yes" to the warning (Bug ID 9597)
- Clip creation from different PGMs controlling distant trains and local trains : mark in/out point successively on the various PGM may reset in/out points (Bug ID 8176)
- Alt+L when not on the connect page does not bring the user back to local machine (Bug ID 9350)
- Going into the Remote menu may deactivate a secondary control (Bug ID 8439)
- 2 frames delay on out point of replace function without OUT (Bug ID 9051)
- Sony protocol : auto edit commands are not always executed correctly (Bug ID 9104)
- Moving of clips : clip can not be selected as long as it is not entirely on disks althogh it appears as growing (Bug ID 7858)
- Using the VDR panel while in Timeline edit mode may result in loss of audio on the PGM (Bug ID 7759, 7690, 7943)
- Odetics protocol in secondary control : audio slow motion parameter not taken into account (Bug ID 7693, 8710)

4.1.3. Since Multicam 08.04

- In paint/Target mode, load a clip from the remote. Pressing play from the tablet, the clip is played at 100% speed (Bug ID 6616)
- When the stylus is on the tablet, on the F9 window displaying the remote servers, sometimes it is not possible to use the arrows to navigate through the list (Bug ID 4958)
- From machine A, play a clip of machine B. It is possible to delete the clip from B although the clip is on air (Bug ID 6338)
- It is impossible to load a timeline in load playlist conditional (Bug ID 5365)
- The Undo command in playlists does not apply to the "Make Local" command (Bug ID 5515)
- In split screen mode, audio meters only appear on PGM1, not PGM2 (Bug ID 5056)
- Do a sort-TC, get the list of results, loading a playlist without first pressing Live. Usingthe browse button will bring the user back to the browsing in the search result, not in the playlist. (Bug ID 6276)
- In Loop rec off, when the maximum of the recording capacity has been reached exit the server without creating clips. When restarting the server will reallocate a small amount of the disk capacity to the recorder cache, resulting in losing some recorded images. The workaround is to protect the footage by clipping it before exiting the server. (Bug ID 6798)
- Go to TC on a User TC in a clip does not always go to the desired TC (Bug ID 6816)

4.1.4. Before Multicam 08.04

- The default display mode is VGA. When upgrading, the default mode is retained. When pressing ALT-Backspace to toggle between VGA and Video mode <u>inside the multicam application</u>, this might in some cases causes the system to disconnect from the network. The only solution to reconnect is to exit the application and restart it. This problem does not occur systematically, but avoid using ALT-Backspace inside the multicam application when possible. Using ALT-Backspace while the multicam is running can also cause a 00:00:00:00 TC to be marked on the video field recorded at that time.
- PUSH to a client system : the clip will be copied on the right machine, but in the receive page defined in the setup of the original machine rather than the one defined in the setup of the destination machine.
- It is not possible for a client to push a clip to another client.
- On a server XT, create a playlist and load it. If you go back to live and move to another machine the clip that was last loaded on the player, it will be impossible to reload the playlist anymore.
- Occasionally the clip TC displayed on the remote in timeline mode may not be accurate.
- Setup Menu, Audio Meters Adjustment : when this parameters is set to 10 or 12dB, the audio meters on the OSD disappear (Bug ID 5639)
- When loading a clip or playlist after a network train, then marking a cue live, the cue is marked on the local trains, not on the previously loaded network train.
- Freeze on OUT point in record trains in target tracking doesn't work, in PLAY VAR only. OK in normal play.
- After having done a search on the remote, the browse function always browses in the results of the clip search, it is not possible to browse in the clips of the remote anymore without pressing "live".

4.2. Limitations

4.2.1. In 10.01.57

- DVCPro HD 1080i Supermotion is not supported
- When offside line mode is active or hypermotion mode is active, secondary control is not available on the remote in shift-D.

4.2.2. Since Multicam 09.00.47

- Start the server in Spotbox IPDP mode with the "Monitor Out" parameter of the EVS set to "SDI". Until something is loaded on the players (Bug ID 7052)
- Sony VITC time code is not available in Sony ganged mode, only Sony LTC and Sony Timer mode

4.2.3. Since Multicam 08.04

- Keyword file names must be limited to 8 characters
- In PGM/PRV mode, playing a network playlist, if the remote XT is shut down, the channels will go IDLE. Pressing live will load Cam A on both channels.
- Caps Lock functions like if the shift key is on (Bug ID 4736)
- Retrimming clip in IP Director only affect the IP Director, not the Remote operator and vice-versa (Bug ID 6651)
- When editing a playlist, the duration of all playlists in the playlist screen is temporarily affected (they are calculated like in cut mode) (Bug ID 5333)
- On the SDTI Network, if a network cable is removed from a slave XHub where no server is connected, the master XHub can temporarily disconnect the XHub slave, causing a network disruption.
- VDCP protocol can not be set as a secondary control of a remote. A command line parameter has to be used (RmtVdcpEx) if users want to use it in exclusive mode.

4.2.4. Before Multicam 08.04

- Timeline should not be used on XT1 – risks of audio problems in some configurations
- Internal loop : in audio embedded, you always get the embedded audio, whether the loop mode is set to video+audio or video only.
- Timeline limitations

- o Inserts and extends are in overwrite mode only
- o 3 points edits only.
- o It is necessary to have minimum two outputs
- o When the playlist is converted into a timeline, all videos and audio transitions are set to cut only
- o All video and audio transitions inside a timeline are cut only
- o The speed is always 100%
- o The duration of the timeline can not be modified
- o The timeline feature is only available to the first remote of an XT server
- In Playlist mode on the first PGM of the first remote if the <u>Aux Track Parameter is set to PGM, when no aux clip is defined for the current playlist, the audio is not automatically replaced by the playlist's original audio</u>. This is not a bug. The setting "Aux track to PGM" should only be used when an aux track is defined for the current playlist.
- In interlace mode, IN and OUT points can only be marked on even field to avoid parity violation when chaining clips. If the operator marks an IN/OUT point on an odd field, the LSM will actually mark it to the next/previous even field, and jump to this field. In progressive mode, IN and OUT points can be marked on all fields.
- When playing a playlist, Next, Skip not accepted during transition effects, or if the next transition is a split audio (different audio and video IN point, or different video and audio effect durations).
- F7 to test mix/wipe effects in setup not yet implemented.
- When adjusting YUV parameters to define a custom colour for wipe border, the corresponding colour is not displayed on main output.
- Impossible to switch to another camera while searching with the jog. Stop jogging, switch to the new camera, then start jogging again.
- On remote record trains, it is not possible to switch to another camera in play on the same PGM : the new camera will always appear in pause.
- Live on remote record trains is about 2-3 sec behind the actual live.
- Playlists of Page 10 are not available from the EVS remote because they are dedicated to the other RS422 protocols.
- The internal loop mode is not available with Super Motion configurations.
- <u>To be able to rename or delete remote clips, the parameter "Clip Edit by Network" must be set to "Enable" on the server where the clip is stored.</u>
- The keyword file must be distributed to all systems on a network by the Network Server. However, if this machine is disconnected for any reason, another server will automatically be designated as Network Server and will now be in charge of distributing the keyword file. If the "old" Network Server is reconnected to the network but does not recover automatically its Network Server status, the machine acting as the current Network Server must be disconnected in order to allow the "old" one to take back that job and distribute the keyword file again. This will be resolved in a future version by allowing a system not acting as Network Server to distribute keyword files as well.
- Resetting the "Protect Clip Pages" parameter in the setup does not reset the protect status of existing clips
- It is not possible to flag a clip for archive before it is created.
- Setup Screen (Shift+F2) : the number of local and network clips is only refreshed when entering the screen.
- Delay Screen (Shift+F7) : when working in NTSC NDF mode, the time codes in this screen are still calculated on a DF basis.
- In Playlist Edit mode, copying a playlist exits that mode to return to live mode
- Clearing the clips from the EVS menu, clears also the record trains and the camera names.
- The phase field in the configuration screen is not editable. Phase must be defined with the corresponding option in the maintenance menu. Not a bug.

5. COMPATIBILITY

5.1. Hardware

- **Multicam 10 requires 64 MB of RAM on the MTPC board.**
- The MTPC board must be A2/A4. Any other MTPC board will not be supported.
- SAS Drives are only supported from 10.01.73 onwards.
    - Support of internal SAS disks (fixed mounting)
    - Support of external SAS disk arrays (max. 4 external arrays per server).
    - Internal and external SAS disks can be used simultaneously as 1 single storage volume
    - Max. capacity per server : 84 x 300GB SAS disks
    - 2 possible RAID configurations : 4+1 or 5+1, with or without hot spare disks. Refer to XT2+/XS SAS Tech Ref for details.
    - Internal, hot swap SAS disk mounting <u>NOT</u> supported with this version. Software support and hardware availability will be confirmed later.
- Only SAS drives provided by EVS are supported.
- SCSI disks remain supported on the XT[2] and XS.
- SCSI and SAS drives can not be used simultaneously on the same server.
- This version is only compatible with XT[2], XT[2]+, XTnano, XL[2] and XS chassis and corresponding audio codecs. The HCT-X board <u>must</u> be equipped with the SDTI chipset to be able to use network options.
- This version is <u>not</u> compatible with HCT-2, HCT-4, HCT-S or XT1 chassis.
- <u>The STXX Jumper on the backplane must be removed !</u>
- The use of COHX requires an HCTX
- The use of HCTX requires the RCTL disk controller

5.2. Software

SDTI Network and XHub
- SDTI Network in Multicam 10.03 is not compatible with ANY lower version.
- Compatibility with XHub SDTI hub : <u>Multicam 10.03.33 is only compatible with v. 3.03 of the XHub.</u>
- All XHubs on the same SDTI network must run the same software version.
  If unsure, you can check the version with the following procedure :
    - Turn off the hub
    - Move all 4 dip switches on the front panel to the lower position.
    - Turn on the hub
    - The 7 branch status LEDs will light according a binary pattern, as described in the table below.

Branch LED #	1	2	3	4	5	6	7
v. 1.06		green	red		green	green	
v. 1.07		green	red		green	green	green
v. 2.03	green		red			green	green
v. 2.04	green		red		green		
v. 2.05	green		red		green		green
v. 2.06	green		red		green	green	
v. 3.01	green	green	red				green
v. 3.03	**green**	**green**	**red**			**green**	**green**

- Turn off the hub
- Move all 4 dip switches back to the upper position.
- If you need to upgrade the hub, please contact EVS to get the upgrade software and procedure.

5.3. Clips

A clear clip (clearing the video disks content) is mandatory switching from any version prior to Multicam 9 to Multicam 10.03. Clips are kept switching from Multicam 9 and later to Multicam 10.03 and vice-versa. Playlists may be kept but without guarantee.