

LSM-VIA VERSION 1.9.20 RELEASE NOTE

> January 2025 b

Authors | PAILLOT, Julien – QUINTANA, Sixto Email | j.paillot@evs.com – s.quintana@evs.com

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EVS BROADCAST EQUIPMENT SA

CORPORATE HQ RUE DU BOIS SAINT JEAN 13, B-4102 SERAING, BELGIUM

T | +32 361 7000 W | evs.com/contact-us



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WARNING

LSM-VIA 1.9 only supports Rocky Linux as operating system on the XClient-VIA unit. The support of CentOS is no longer available. The deployment of the LSM-VIA 1.9 version is therefore quite heavy. Please refer to the "Deployment" section at the end of these Release Notes for more details about this specific procedure.

NEW FEATURES

IN 1.9.20

- > LSM-VIA 1.9 supports the dual PC LAN functionality introduced on XT Servers with Multicam 21.0. The second PC LAN interface of the Server can be used from the LSM-VIA configuration to properly connect LSM-VIA through this additional port.
- > LSM-VIA 1.9 is compatible with XT-VIA Servers in Multicam LSM, Spotbox or Sportlight mode, with the feature set available in the configured Server mode.
- New LSM-VIA licenses generated by the EVS Support team will now be generated in "Aggregate" mode rather than "Exclusive" mode, meaning that it won't be needed anymore to uninstall the previous license to install a new one. The new license can simply be installed on top of the existing one.
- Playlist Undo / Redo is available with key improvements compared to the previous generation of LSM controllers:
 - No longer limited to the loaded Playlist only. The editing history remains available for all local Playlists,
 - No longer limited to 10 editing operations,
 - o Operators no longer loose the editing history when unloading the Playlist,
 - Playlist no longer recued on its first item with every "Undo".
- A "Browse mode" is available to browse through all the Recorders available on the Xnet. This mode can be triggered from a loaded Record Train or from the "Trains" function. This mode is also compatible with an active filter within the "Trains" function.
- The Keywords & Rating of Clips can be defined as soon as an IN or OUT point has been defined by the Operator, before creating the Clip on the Server. This functionality includes a configuration parameter to display, or not, the Edit Metadata interface of the LSM-VIA Remote as soon as an IN or OUT point has been defined on a Record Train.
- > A "Clip mode" is available for the Flag for Archive functionality on the LSM-VIA Remote.
- > The Flag for Archive function is available on the Remote panel when the Edit Metadata interface is displayed on the Remote Screen.
- > IN and/or OUT point(s) defined by the Operator on Record Trains can be cleared using the CLEAR + IN/OUT combination of keys on the Remote panel.
- > 2 new layouts have been added to the LSM-VIA MultiReview application: 10 (5+5) & 8 (2+3+3).

IN 1.8.53

LSM-VIA 1.8 supports Rocky Linux as operating system on the XClient-VIA unit, on top of CentOS. Dedicated LSM-VIA installers & ISO images are available for each operating system in the release package.

IN 1.8.45

- LSM-VIA is now compatible with XS-VIA Servers in XSense mode. In such configuration, the lever of the LSM-VIA remote can only be used to trigger start/stop playout commands, as variable speed playback on the XS-VIA is not available. However, the lever remains fully available in Playlist edit mode.
- Clips can be created with different IN & OUT points on each angle. Operators will be able to toggle between this new behavior and the previous behavior (same IN & OUT points on all angles) through the new "Clip Creation Boundaries (IN & OUT)" parameter, available in the LSM-VIA configuration.
- > "Sort by TC IN" is available from the LSM-VIA Remote in Playlist Edit Mode.
 - The Playlist panel in the LSM-VIA Viewer application has been improved:
 - Display of a dynamic remaining time while Playout,
 - o Ability to enable/disable Playlist Scroll lock to Playout,



- o CTRL+A Shortcut to select all Playlist items,
- Reworked multi-selection edit for Mute, Speed, Effect, Fx Dur & Audio Split,
- > The Playlist interface on the LSM-VIA Remote have been reviewed to improve the user experience,
- > The LSM-VIA configuration offers an Import / Export functionality allowing to restore / back-up System settings, but also user-defined LSM-VIA Remote Shortcuts, Shotbox content & Trains filters.
- > Mark Points can be set in Live Mode when a Playlist is loaded on controlled Players.
- > The "Fast Jog" option is now also available in MultiReview mode.
- > When exporting Clips through VIA-Xsquare, the "restricted range" option of "same EVS server source" destinations is now properly supported (requires at least VIA-Xsquare 4.9).
- > The ProRes 4K codec is properly supported for all Export & Flatten workflows.



BUG FIXES

IN 1.9.20

- The connection between LSM-VIA and the local XT Server was sometimes lost due to inconsistent TimeCode configuration on the whole setup. The LSM-VIA 1.9 release includes a mechanism to be better protected against heavy amount of such TimeCode notifications (LSMVIA-15601 & LSMVIA-15715).
- > The LSM-VIA application was sometimes crashing when extracting logs, in case there wasn't enough available space on the XClient-VIA hard-drive (LSMVIA-15608).
- > Operators could experience some latencies in the reactivity of the LSM-VIA Remote Lever during Playout when lots of Mark Points were defined on the Media loaded on the controlled Player (LSMVIA-15643).
- When swapping content between PGM & PRV channels, if the media loaded on the PGM channel was paused (e.g. Clip on its OUT boundary), the content swapped from the PRV wasn't being played out immediately and was staying at 0% (LSMVIA-15491).
- From the LSM-VIA Viewer application, when moving a single Clip angle to an empty slot within another Clip, and when quickly moving the whole resulting Clip afterwards, the single Clip angle sometimes wasn't moved properly with the rest of the updated Clip. This issue could lead to a desynchronization between LSM-VIA and the EVS Server database, which could prevent such Clips to be recalled properly by LSM ID afterwards (LSMVIA-14763 & LSMVIA-15206).
- When an Operator was accessing Clip content on a Network Server, and if some of those Network Clips were deleted during an XNet disconnection, the deleted network Clips remained visibile in the Viewer Clip Grid Operator after reconnection of the Server on the XNet (LSMVIA-15657).
- When LSM-VIA was connected to an XS-VIA Server, if the Operator had a Playlist where the first item had a speed lower than 100% or if the Playlist contained SLSM Clips, it was not possible to trigger the playout of the Playlist on the XT Server (LSMVIA-15474).
- When LSM-VIA was connected to an XS-VIA Server, if the Operator loaded an SLSM Clip from an XT-VIA Server on the Production Network or an SLSM Clip created by XtraMotion, he wasn't able to trigger the Playout at native Speed through the LSM-VIA Remote Play button or Lever, neither from the ALT+P keyboard shortcut in the LSM-VIA Viewer application (LSMVIA-14895).
- If a Playlist was added to the Shotbox, and if the Operator was trying to move a Playlist item within this Playlist from the LSM-VIA Remote panel (Delete / Insert workflow when the Playlist is loaded), LSM-VIA wasn't inserting the deleted Playlist item at the desired location (LSMVIA-15567).
- When splitting a Playlist item using the Add CUT functionality, LSM-VIA was defining a CUT transition between the 2 pieces of the original Clip, instead of a Mix 0 frame transition (LSMVIA-15446).
- In NTSC drop-frame, the Playlist remaining time displayed on the LSM-VIA Remote was not always correct (LSMVIA-15260).
- When using the Search-TC functionality in "Clip+REC" mode, the "Browse" function was automatically disabled when going from a Clip to a Record Train (and inversely) while going through the results. The Operator needed to re-enable the "Browse" function manually in such scenario (LSMVIA-14886).
- If the Operator defined a Mark Point on a Record Train in PRV CTRL mode, and if he then tried to recall the last Mark Point while controlling both PGM & PRV channels, the PGM was staying on its current Recorder, instead of recalling the one on which the Mark Point was defined (LSMVIA-15089).
- In Split Screen mode, moving the picture within one part of the split was sometimes reseting the picture position in the other part of the split. Likewise, updating the control mode of the Remote panel between Split Screen control modes and "Multi-PGM" or "PGM+PRV" was sometimes reseting the picture position defined by the Operator in the Split Screen mode (LSMVIA-15534).
- When the Observer role associated to the VIA-Xsquare user defined in the LSM-VIA configuration didn't have Read & Modify rights, the "Connection Check" from the LSM-VIA configuration was successful, but the VIA-Xsquare targets couldn't be retrieved from the LSM-VIA application. The "Connection Check" from the LSM-VIA configuration now gives the proper feedback with details about the error (LSMVIA-15455).
- If the VIA-Xsquare IP address field was empty in the LSM-VIA configuration, it was preventing the Operator from saving any modification made in the configuration. A workaround was to enter "0.0.0.0" manually in this field if VIA-Xsquare was not used for the Production (LSMVIA-15232).
- The LSM-VIA centralized installer tool was generating error messages even if the new software versions were deployed properly on the target XClient-VIA units.



IN 1.8.54

When a network Clip which wasn't available on the XNet network anymore was mapped to a Shortcut button on the LSM-VIA Remote panel, it was sometimes preventing the LSM-VIA Remote panel to start properly (LSMVIA-15824 & LSMVIA-15897).

IN 1.8.53

- LSM-VIA was often crashing when the Engineer was quitting Multicam on the local Server, to which LSM-VIA was connected (LSMVIA-15615).
- > The import function of the LSM-VIA configuration didn't work properly, and Operators were not able to import their configuration on the LSM-VIA station (LSMVIA-15581).
- When copying an existing Playlist to an empty Playlist spot which was also selected as active Playlist on the LSM-VIA Remote, the various Playlist interfaces of LSM-VIA were displaying the correct name after the copy, but were always showing 0 for the amount of Playlist items (LSMVIA-15700).
- When using the restripe TimeCode functionality from the LSM-VIA Viewer application, the operator wasn't able to confirm the TimeCode update using the "ENTER" keyboard key if the mouse cursor was still in one of the TimeCode or Date fields (LSMVIA-15483).

IN 1.8.50

> When a Clip contained Mark Points, and if the Operator tried to access those Marks with the "Last mark" function or the "Browse" function, the LSM-VIA application was crashing (LSMVIA-15439).

IN 1.8.49

- > When working with Playlists, it was often not possible to change the boundaries of Playlist items through combinations of CLEAR+IN, IN, OUT and/or CLEAR+OUT (LSMVIA-15396).
- When working with MultiReview, and when the Operator was moving from one workspace to another, all streams were paused within the workspace, forcing the Operator to go back to LIVE manually. This issue also prevented Operators to use a multi-selection of Recorders across multiple workspaces (LSMVIA-15356).

IN 1.8.45

- When restarting LSM-VIA from the LSM-VIA configuration tool, the LSM-VIA processes were sometimes not responding anymore. The workaround in such scenario was to manually kill the LSM-VIA processes and to restart LSM-VIA manually as well (LSMVIA-12392).
- LSM-VIA was sometimes crashing when closing the application from the LSM-VIA Workstation (LSMVIA-14246 & LSMVIA-14390).
- > The LSM-VIA application was sometimes misbehaving when the recording process of the local EVS Server was stopped, but also when it was restarted afterwards (LSMVIA-11612).
- > The LSM-VIA application was sometimes crashing when using the "Sort by TC IN" function on the active Playlist, while the recording process of the local EVS Server was stopped (LSMVIA-14557).
- > The LSM-VIA application was sometimes crashing when removing all items from the active Playlist, while the recording process of the local EVS Server was stopped (LSMVIA-14640).
- When LSM-VIA was receiving multiple error messages from the local Server to be displayed to the Operator (e.g. "Disk disconnection), it was not possible to acknowledge them one after the other. Eventually, the LSM-VIA Remote ended up in an inconsistent state with the ENTER button blicking and no other function available (LSMVIA-12160).
- When the local EVS Server was disconnected from the XNet Network, it was not possible to acknowledge the warning message from the Server using LSM-VIA (LSMVIA-14270).
- In collaborative workflows, when editing multi-selections of Playlist items in big Playlists from LSM-VIA or IPDirector, it was often leading to responsiveness issues for all Operators connected to the same EVS Server. This was sometimes leading to LSM-VIA disconnections as well (LSMVIA-13505, LSMVIA-13506, LSMVIA-13507, LSMVIA-13886 & LSMVIA-14033).
- > When the Production Network was heavily loaded, it was sometimes not possible to add Clips to Playlists anymore, or to select other Playlists (LSMVIA-14349).



- When an Operator was loading a Network Playlist from another EVS Server on the production Network, and if this Playlist was deleted at the same time, the LSM-VIA application was crashing (LSMVIA-13893).
- When 2 Operators were working on the same EVS Server (e.g. "PGM 1 & 2" for Op 1 and "PGM 3 & 4" for Op 2), if the first Operator was starting LSM-VIA while the other had a Playlist loaded and if this particular Playlist was deleted while the first LSM-VIA station was still running, then the first Operator was not able to restart LSM-VIA afterwards (LSMVIA-14561).
- When editing Playlists from the LSM-VIA Remote, using the Lever, for an extended period of time, it was sometimes leading to an LSM-VIA Remote disconnection followed by a crash of the LSM-VIA application (LSMVIA-14997).
- > When deleting items anywhere in the loaded Playlist using the LSM-VIA Remote, the Playlist interface displayed on the Touch Screen was sometimes jumping to the first Playlist item (LSMVIA-13384).
- When Playlists were mapped to the LSM-VIA Shotbox before being deleted, the LSM-VIA interfaces were still showing such Playlists while they no longer existed on the EVS Server (LSMVIA-15144).
- From the LSM-VIA Remote, when deleting the second Playlist item to insert it back at the first position, the moved Playlist item was no longer displayed on the Remote Playlist interface, while it was properly displayed in the LSM-VIA Viewer Playlist panel (LSMVIA-13907).
- > When going from Playlist Edit Mode to Playlist Playout Mode, or inversely, the "Browse" function was being disabled (LSMVIA-14452).
- When the Operator deletes a modified Playlist item from the Playlist in Always Mode, the updated Playlist item lands on the PRV channel, and the Operator has the ability to insert it somewhere else in the Playlist afterwards while keeping the edits. If the Operator was reloading the original Clip from the Viewer after the Delete operation, the PRV channel was properly jumping to the boundaries of the original Clip, but if the Operator inserted the Clip in the Playlist afterwards, LSM-VIA was still inserting the updated Playlist item instead of the untouched original Clip (LSMVIA-12175).
- When the Record Train IDs of a Server on the Network changed following an XNet disconnection / reconnection, LSM-VIA Operators were not able to access the Record Trains of that particular Server afterwards. This behavior could also happen when a Server configuration was updated on the Network (6 IN > 4 IN > back to 6 IN then IN 5&6 have different IDs), or when a "Clear Train" was executed on Server side (LSMVIA-10700 & LSMVIA-10530).
- > When the Operator was using the "Go to OUT" and "Play" functionalities in sequence, the "Play" function wasn't working anymore at some point (LSMVIA-13894).
- When swapping content between PGM & PRV channels, if the media loaded on the PGM channel was paused (e.g. Clip on its OUT boundary), the content swapped from the PRV wasn't being played out immediately and was staying at 0% (LSMVIA-12322).
- When a Clip was loaded on the PRV channel on a different TimeCode than the Short-IN, and if the Operator was swapping it on the PGM channel for ON-Air playout, the Clip angle was being played until the protected OUT and the playout was not stopping on the Short-OUT (LSMVIA-14429).
- When the Operator was creating Clips while the same Network Record Train was loaded on the PGM & PRV channels, the same angle was created twice on the Server (LSMVIA-14343).
- > When the Operator was creating Clips on a Network Server that had the "Clips Edit by Network" parameter set to "No", the LSM-VIA remote was beeping and the Clip wasn't created (LSMVIA-15267).
- When copying Clips from a Network Server to the local Server, and if the "Network Copy/Push" parameter of the Server was set to "Gigabit", LSM-VIA was sometimes displaying "Failed to copy clip" errors while the Clips were eventually properly copied on the local Server (LSMVIA-14382).
- When clearing all unprotected Clips & Playlists from the local XT Server, the process was sometimes getting stuck for a couple of minutes. However, at the end of the execution, the unprotected content of the local Server was effectively cleared (LSMVIA-10386).
- When the Operator was loading different Clips on his PGMs, and if the Operator controlled PGM 2 or PGM 3, the Clip that was restriped from the LSM-VIA Viewer was the Clip loaded on the PGM1 even if it wasn't the smallest controlled PGM. The restripe TC function executed from the Viewer now takes the smallest controlled PGM on the Remote into account when triggering the function (LSMVIA-11107).
- > LSM-VIA didn't allow keywords containing the "=" character (LSMVIA-4898).
- The VIA-Search component integrated in the LSM-VIA Viewer application was sometimes showing Clips from Servers that were removed from the Production Network, and was sometimes not showing Clips from recently added Servers (LSMVIA-14164).



- > The assigned Player name was not properly displayed at the top of the LSM-VIA Remote interface when working in PGM+PRV mode (LSMVIA-12793).
- When working in VSplit or HSplit mode from the LSM-VIA Remote, and if the Operator was going back to LIVE while such mode was active, the "Picture Position" function wasn't available on the Remote panel (LSMVIA-13810).
- When working in SplitMix mode from the LSM-VIA Remote, and if the Operator was editing the Mix% between the 2 sources, the OSD feedback on the Server MultiViewer wasn't available anymore, but the Operator was still able to adjust the Mix% (LSMVIA-12071).
- > When restoring Clips on EVS Servers from XTAccess, such Clips were sometimes indefinitely displayed as growing within the LSM-VIA Viewer application (LSMVIA-14569).
- It was not possible to flatten a Playlist using VIA-Xsquare when the Net Name of the EVS Server was empty (LSMVIA-13534).
- When Export targets are added/removed from VIA-Xsquare, the list of targets displayed in the editing interface of the LSM-VIA Remote Shortcuts ("Export" category) wasn't updated in real-time (LSMVIA-12351).
- > The log extraction process was not retrieving all LSM-VIA Remote log files properly (LSMVIA-13153).



KNOWN ISSUES & LIMITATIONS

ISSUES

- When upgrading to LSM-VIA 1.9 through the installation of the Rocky Linux ISO image on the XClient-VIA unit, it sometimes happen that the LSM-VIA desktop shortcuts (Licensing Manager, Configuration or LSM-VIA) are not working properly and appear grayed out. An "Untrusted Desktop File" warning will be displayed if the user tries to double-click the misbehaving shortcuts. The workaround to fix such issue is to right-click the desktop shortcuts that are not behaving properly and to select the "Allow Launching" option. This manipulation only needs to be done once after a fresh ISO deployment, and the desktop icons will be properly trusted by the system afterwards (in case of reboot or regular LSM-VIA update) (LSMVIA-14668).
- > When the speed of a SLSM Clip is set to unknown within a Playlist, the remaining duration of the Playlist might not be correct anymore (LSMVIA-11666).
- > When editing the Speed of a Playlist item in a Playlist containing Audio Split, it will sometimes fail and revert to the previous Speed value (LSMVIA-10376).
- When removing Playlist items in a Playlist containing Audio Split, and if the result would lead to an Audio Split transition between Clips without guardbands, the delete operation will be denied by the XT Server. In such event, the following error notification will be displayed to the Operator: "Failed to delete item, unplayable split transition" (LSMVIA-15611).
- > When using Edit All on Playlist items Speed or Effect Duration from the LSM-VIA Remote panel, the update of the actual values is not smooth in all Playlist interfaces (LSMVIA-9217).
- When using the Playlist "Undo" function, the Playlist interface displayed on the LSM-VIA Remote Screen will often jump temporarily to the last Playlist item, to quickly come back to the active item. When "Undo" is used after a "Delete" operation on a Playlist item, the Playlist interface might land back on a Playlist item different from the previously active one (LSMVIA-15721).
- When the Operator is splitting a Playlist item into 2 subclips using the "Add CUT" functionality, and if he tries to define an Audio fade out between the 2 by muting the second subclip, the EVS Server will play a CUT transition for the Audio, and won't playout the fade out properly (LSMVIA-14371).
- In Playlist Playout Mode, the Skip & Next functions won't work on the last Playlist item. The last Playlist item will always be played out by the Server (LSMVIA-15377).
- When trying to play out a Playlist in Loop, it won't work properly if the Playlist contains a single Playlist item with a CUT transition or if the Play command is triggered when the Playlist is loaded in Playout Mode. Furthermore, the remaining duration displayed in such scenario isn't correct (LSMVIA-12924 & LSMVIA-12332).
- In heavy load conditions on the local Server, when an item is removed from a Playlist and when the corresponding Clip is quickly deleted from the Server afterwards, the LSM-VIA software can end up in an inconsistent state where the deleted Clip remains displayed in the Viewer Clip Grid and on the Remote F-Keys, while it no longer exists on the Server side. Eventually, this inconsistent state is leading to degraded behaviors, where the Operator could no longer define IN or OUT points on his Recorder to create new Clips (LSMVIA-15485).
- > When a Clip is being played in Loop, and if the Operator presses "Play" again during the second Loop, the Clip Loop will play out the guardbands of the Clip (LSMVIA-11622).
- If the Operator redefines the Short-IN of a loaded Clip angle and quickly reloads the Clip afterwards, LSM-VIA will sometimes land on the previous Short-IN instead of landing on the updated one (LSMVIA-13868).
- When the Operator restripes the TimeCode of a Clip from the LSM-VIA Viewer application, and if the Operator accesses the "Restripe-TC" pop-up a second time right after, LSM-VIA will display the former TimeCode instead of the updated one (LSMVIA-14376).
- When using the "Browse" function in combination with the "Trains" function on the LSM-VIA Remote, and when the Operator is browsing to a Recorder located in a different "Trains" page, the UI focus indicating the active "Trains" page might not be updated even if the "Trains" page is properly updated (LSMVIA-15703).
- When VIA-Xsquare is restarted while LSM-VIA is running, LSM-VIA won't be able to recover the available targets once VIA-Xsquare is available again. LSM-VIA needs to be restarted in order to recover the VIA-Xsquare targets properly (LSMVIA-15734).



- When ejecting a Media from the controlled Player using IPDirector, it will generate a black output on the Player that cannot be cleared from LSM-VIA. The current workaround is to trigger an E/E command on the Player from IPDirector to get rid of the black output (LSMVIA-15558).
- It's sometimes not possible to stop the recording process of the local XT Server from LSM-VIA (LSMVIA-15697).
- > The E/E key from the LSM-VIA Remote will always restart the recording process of the local EVS Server, even if the Multicam "Record Key" parameter is set to keep them stopped.
- When using the LSM-VIA MultiReview Mode, if the user selects the "Load last session" option at startup, the Live TC displayed on the top of the screen sometimes appears frozen on the last known TimeCode. If the operator creates Clips while the TimeCode issue is there, Clips will be created with the wrong TimeCode. As workaround, the Operator should visit all open Workspaces of the loaded session. Another workaround would be to browse within the Recorders and to go back to LIVE, however it may only fix the issue for the active Workspace and not the others. (LSMVIA-15757).
- When enabling the MultiReview Mode while a Playlist is loaded on the controlled Players, the PRV OSD of the EVS Server MultiViewer are impacted and do not show the Playlist information properly anymore (LSMVIA-15148).
- When changing the "VIA-SEARCH Deployment Mode" settings from the LSM-VIA configuration, and then restarting the LSM-VIA application from the configuration, sometimes the VIA-SEARCH services are not properly launched making the VIA-SEARCH application not available. The workaorund is to stop LSM-VIA application and restart it manually from the desktop and not from the LSM-VIA configuration popup (LSMVIA-15306).
- When changing the "EVS Server IP address" parameter in the LSM-VIA configuration, and when LSM-VIA is started afterwards, it can sometimes happen that the VIA-Search functionality available in the LSM-VIA Viewer is no longer working properly. The workaround is to quit LSM-VIA, disable/re-enable VIA-Search through the "VIA-Search Deployment Mode" parameter in the LSM-VIA configuration and restart LSM-VIA (LSMVIA-15833).
- When the PC LAN address of the XClient-VIA is updated, and when LSM-VIA is started afterwards, the user will no longer receive progress notifications about VIA-Xsquare jobs for Export & Flatten workflows. The workaround is to restart the XClient-VIA after the network configuration update (LSMVIA-15455).
- When the PC LAN address of the XClient-VIA is updated, the LSM-VIA Workstation can no longer be automatically discovered by a centralized VIA-Licensing Manager deployed somewhere on the setup. The workaround is to restart the XClient-VIA after the network configuration update or to manually discover the new PC LAN address from the VIA-Licesing Manager (LSMVIA-15779).



LIMITATIONS

- LSM-VIA doesn't support a Player channel locking mechanism in multi-operator configurations. Users must be very careful in such configurations to avoid having multiple Operators controlling the same Player channels. This limitation can lead to unexpected behavior of the product (e.g. when Operators are loading and playing different Playlists on the same channels) (LSMVIA-5743).
- Manipulating Clips or Playlists from the Multicam VGA screen while the LSM-VIA applications are running is not supported. It could lead to database desynchronizations between the EVS Server and LSM-VIA, where the LSM-VIA Viewer wouldn't display the Server content properly anymore.
- The LSM-VIA MultiReview advanced mode is not yet supported on Virtual Machines installed on a PMZ or similar Hardware.
- When mapping Recorders to Workspaces in MultiReview mode, it's adivsed to do so while in LIVE. Otherwise, LSM-VIA will try to access streams that were not yet ingested in the local storage, leading to errors in the application (LSMVA-15251).
- In case of heavy operation load, the Operator might experience some slowness on Clip creation workflows (Clips appear slowly on the Viewer, F-Keys are highlighted slowly) (LSMVIA-2538).
- > The LSM-VIA Remote panel might take longer to start or reconnect when the active playlist contains large number of elements or if the XT Server contains a large number of Clips (LSMVIA -1871 & LSMVIA -1766).
- > The Operator might experience some slowness issues on the Remote when using the "Edit All" command repeatedly on big Playlists (LSMVIA-6169).
- Switch to IN" is always enabled by default. However, the current implementation only works with Clips. "Switch to IN" is not managed properly when a Record Train with pending IN / OUT points is loaded on the controlled channels.
- LSM-VIA allows the Operator to sync his Players with a distant Record Train loaded, but it will pause the Playout.
- > The only supported effect transition for "Take" is Mix, other TAKE transitions are not yet supported.
- > The ability to copy or move a multi-selection of Clips from the Viewer is not yet supported.
- > Clips being moved on a given XT-VIA Server will be removed from the LSM-VIA Shotbox.
- > The Operator won't receive feedback on the LSM-VIA Remote F-Keys or in the LSM-VIA Viewer while Clips are being moved. LSM-VIA provides a notification when the Move operation is completed.
- > Editing Metadata from the Viewer is not yet available.
- > The "User TC" and "From/To date" options of "Go to TC" and "Search TC" are not yet supported.
- When the Operator jumps to a given TimeCode using the "Go to TC" function and quickly changes the loaded CAM afterwards, the controlled Players will sometimes go back to LIVE instead of staying on the user-defined TimeCode (LSMVIA-10284).
- When launching the LSM-VIA application with VIA-SEARCH deployment settings set to "Local", the VIA-Search Services will be launched at the same time as the application. As these services can take around 30-40 seconds to be up and running, if the operator accesses the Search interface just after launching LSM-VIA, the operator won't be able to properly use the interface for a few seconds and some "*Oups something went wrong*" notifications could be displayed during this period.
- The lowest possible auto-refresh value for the Search Panel interface in the LSM-VIA Viewer is 5 seconds. Therefore, it might take up to 5 seconds to visualize updates made on Clips in the Search results (Move, Delete, Edit Keywords...).
- Deleting Clips from the VIA-Search UI of the LSM-VIA Viewer application is not supported and will systematically trigger error messages.
- The Creation date information is sometimes missing in the VIA-Search UI of the LSM-VIA Viewer depending on the way the clip has been originated. The information is properly available for Clips created from LSM-VIA. However, it won't be available if the Clip has been pushed through Gbe for instance (LSMVIA-9609).
- In Audio Split, the Operator will receive error notifications when trying to define transition durations that do not make sense for the Audio/Video tracks (transitions longer than the Playlist items before/after for instance) (LSMVIA-5354).
- > The reset mechanism implemented to overcome unplayable Playlist transitions with Audio Split won't show a warning notification to the Operator in case of actual reset.
- > It is not supported to flatten Playlists which contain items with Speed above 300%.



- Playlist Audio Swap function impacts the whole Playlist element, from its IN to its OUT points. Keyframing for Audio Swap is not yet supported. The "Add Cut" function can be used as a workaround.
- > When a Playlist is being played out in Loop and if the Operator tries to disable Loop in the last Playlist item, the playout will continue and the Playlist will be played out one more time (LSMVIA-9528).
- > When a Playlist is played in Loop, the "Next" command will not work on the last Playlist item.
- > When Loop and Post-Roll are enabled at the same time while playing out a Clip or a Playlist, the Post-Roll duration will be ignored (LSMVIA-7583).
- > Copying a local Playlist to another Server on the Network is not yet supported.
- > Displaying several Playlists side-by-side on the Remote panel screen is not yet supported.
- Some Operators might not be able to load Playlists in Always Mode (while Conditional Mode will always work), depending on the Server Players assigned to the Operator from the LSM-VIA configuration. Loading a Playlist in Always Mode is only possible on PGM1&2, PGM3&4 or PGM5&6. Other combinations of Server Players are not supported (LSMVIA-5049).
- The Playlist duration displayed in LSM-VIA is not always accurate when Mix-on-1-channel is set to OFF on the XT-VIA Server (LSM-VIA-5589).
- > LSM-VIA is not compatible with the ABRoll feature from IPDirector.
- LSM-VIA does not support IPDirector Playlists containing Record Trains as Playlist items. LSM-VIA will allow such Playlist as active sequence, but editing such Playlist item will not work.
- > Timeline features are not yet supported.
- > LSM-VIA won't display notifications linked to Export / Flatten jobs when the XClient-VIA and the VIA-Xsquare units are sitting on different PC LAN networks.
- > When opening the LSM-VIA configuration page with Firefox browser, if Firefox version is 60.x or older, some drop down menus could not work or misbehave (LSMVIA-9490).
- > A configuration interface is not yet available from the Remote panel.
- The Import / Export functionality introduced in the LSM-VIA configuration is not backward / forward compatible between 2 major releases of LSM-VIA, more specifically regarding the back-up and restore of user-defined LSM-VIA Remote Shortcuts, Shotbox content & Trains filters.
- From the LSM-VIA configuration Import / Export functionality, exporting a local Keyword File will only be allowed if the file is located in the "/opt/evs/evs-lsm-via/share" folder on the XClient-VIA unit (LSMVIA-15581).
- Hypermotion is not supported with the LSM-VIA Remote panel. This option shouldn't be activated on the Server side together with LSM-VIA.
- > The only supported resolution to display the LSM-VIA Viewer is 1920x1080.
- > The ability to have several Remote panels per Operator is not yet supported. Each Operator must have his/her own XClient-VIA.



COMPATIBILITY

SOFTWARE

- > Compatible with Multicam 21.0 only (and later patches)
- > Compatible with XT-VIA in Multicam LSM, Spotbox or Sportlight mode
- > Compatible with XS-VIA in XSense mode
- Compatible with XT-GO in Sportlight mode
- Compatible with VIA-Xsquare 4.9 and later versions
- > Compatible with Cerebrum 2.3
- The LSM-VIA iso embeds Rocky Linux 9.4-1.7. Upgrading the Operating System of the LSM-VIA Workstation shall always be done from the LSM-VIA iso, in order to install the right dependencies for the LSM-VIA software.

HARDWARE

- > LSM-VIA can be installed on the XClient-VIA Hardware
- > LSM-VIA can be deployed as Virtual Machine on a PMZ or similar Hardware. However, the LSM-VIA MultiReview advanced mode is not yet supported on Virtual Machines.

DEPLOYMENT

- Upgrading from LSM-VIA 1.8 to LSM-VIA 1.9 requires the installation of the Rocky Linux ISO image on the XClient-VIA unit, and a full reconfiguration of the Workstation afterwards (see "Deploying XClient-VIA" procedure in the LSM-VIA installation guide). In such scenario, the upgrade of the LSM-VIA Remote panel will be seamless and the LSM-VIA 1.9 update will be retrieved at first connection to the XClient-VIA unit.
- Upgrading from LSM-VIA 1.7 to LSM-VIA 1.9 also requires the installation of the Rocky Linux ISO image on the XClient-VIA unit, and a full reconfiguration of the Workstation afterwards (see "Deploying XClient-VIA" procedure in the LSM-VIA installation guide). Furthermore, the operating system of the LSM-VIA Remote panel will have to be updated manually as well (see "Upgrading the Remote Panel Operating System (Factory Install)" procedure in the LSM-VIA installation guide).
- Before starting the installation of the Rocky Linux ISO image, it is advised to ensure that you have the existing license file(s) received from EVS saved somewhere, as you will have to reimport it/them after the installation. Likewise, it is strongly advised to save back-ups of keyword files, network configurations of XClient-VIA & LSM-VIA Remote units and LSM-VIA infrastructure settings, as you will have to fully reconfigure the LSM-VIA units after the installation. During the installation process, it will also be required to provide the Serial Number (SN) of the LSM-VIA Workstation.
- > The LSM-VIA Remote and the XClient-VIA HW must always be at the same location and should not be deployed in a distributed architecture.
 - The round-trip time (RTT) between the 2 HW should be 20ms max.
 - Even if the LSM-VIA Workstation is virtualized, the latency between the LSM-VIA Remote and the Virtual Machine should not exceed 20ms.
- The LSM-VIA MultiReview advanced mode requires specific deployment and configuration. Indeed, in this mode, the XClient-VIA receives the proxy streams multicasted from the EVS Servers and that need to be routed to the Control Network (PC LAN) through the switch. Please check the LSM-VIA 1.7 Intallation and Configuration Manual and the EVS Network Design Guide for more detailed information.
- When working in remote conditions (LSM-VIA and XT Server in different locations), the maximum recommended round-trip time (RTT) is 100ms between the XClient-VIA and the XT Server. The usability of the Product and the overall user experience will be degraded with higher latencies.



EVS Broadcast Equipment SA

RUE DU BOIS SAINT JEAN 13, B-4102 SERAING, BELGIUM

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