Aurora Edit and Edit LD Version 6.5.2 Release Notes and Upgrade Instructions

These release notes contain the most recent information and supersede previous publications, as of 15 September 2009. Check the Grass Valley website at *www.grassvalley.com/docs* for an updated version that contains additional important information.

Contents

Grass Valley Product Support

To get technical assistance, check on the status of a question, or to report a new issues, contact Grass Valley Product Support via e-mail, the Web, or by phone or fax.

Web Technical Support

To access support information on the Web, visit the product support Web page on the Grass Valley Web site. You can download software or find solutions to problems.

World Wide Web: http://www.grassvalley.com/support/

Technical Support E-mail Address: gvgtechsupport@grassvalley.com

Telephone Support

Use the following information to contact Product Support by phone.

International Support Centers

Our international support centers are available 24 hours a day, 7 days a week.

Support Center	Toll free	In country
France	+800 80 80 20 20	+33 1 48 25 20 20
United States	+1 800 547 8949	+1 530 478 4148

Authorized Local Support Representative

A local support representative may be available in your country. To locate a support center during normal local business hours, refer to the following list. This list is regularly updated on the website for Grass Valley Product Support

(http://www.grassvalley.com/support/contact/phone/)

After–hours local phone support is also available for warranty and contract customers.

Region	County	Telephone
Asia	China	+86 10 5883 7575
	Hong Kong, Taiwan, Korea, Macau	+852 2531 3058
	Japan	+81 3 6848 5561
	Southeast Asia - Malaysia	+603 7492 3303
	Southeast Asia - Singapore	+65 6379 1769

Grass Valley Product Support

Region	County	Telephone
	Indian Subcontinent	+91 11 515 282 502; +91 11 515 282 504
Pacific	Australia, New Zealand	+61 1300 721 495
Central America, South America	All	+55 11 5509 3440
North America	North America, Mexico, Caribbean	+1 800 547 8949; +1 530 478 4148
Europe	UK, Ireland, Israel	+44 118 923 0499
	Benelux – Netherlands	+31 (0) 35 62 38 421
	Benelux – Belgium	+32 (0) 2 334 90 30
	France	+800 80 80 20 20; +33 1 48 25 20 20
	Germany, Austria, Eastern Europe	+49 6150 104 444
	Belarus, Russia, Tadzhikistan, Ukraine, Uzbekistan	+7 095 258 09 20; +33 (0) 2 334 90 30
	Nordics (Norway, Sweden, Finland, Denmark, Iceland)	+45 40 47 22 37
	Southern Europe – Italy	+39 02 24 13 16 01; +39 06 87 20 35 42
	Southern Europe – Spain	+34 91 512 03 50
Middle East, Near East, Africa	Middle East	+971 4 299 64 40
	Near East and Africa	+800 80 80 20 20; +33 1 48 25 20 20

Release Summary

What's new in version 6.5.2

This version of software includes several improvements, in addition to correcting some problems that were present in earlier releases.

Version 6.5.2

- **SiteConfig support** — Network configuration and software deployment across all Aurora products is supported by SiteConfig, Grass Valley's system management tool.
- **Administrator password** – The default administrator account on Aurora devices has credentials as follows:

    - Username: administrator
    - Password: adminGV!

    SiteConfig expects these credentials by default.
- **Hot keys** – There are modified or new keyboard shortcuts for Aurora Edit functionality, as specified in topics later in this document.

Fixed in 6.5.2

Reference number	Description
CR106226	JL Cooper Jog/Shuttle is not working while in Record to Bin with deck control
CR105803	Importing .mpg files exported from 6.3 results in a green video picture
CR104960	Data corruption error when performing long records
CR102317	When SDB server restarts, MediaFrame search results in Edit do not appear unless Edit is also restarted
CR102570	Copying clips within the News database does not copy metadata from the parent clip.
CR102967	News MDI searches generate errors when searching under metadata in LD and under News MDI in Aurora Edit
CR102983	Story View line wrap is incorrect for Chinese characters
CR106347	Striped TC is off when reading clip from the cache
CR103172	Play speed is not working properly with Interlaced to Progressive Timelines
CR103587	Aurora crashes in vbrMPGReader2 in the case of growing LGOP files
CR103878	RMI import of spanned P2 clip can result in missing audio

Reference number	Description
CR104467	Conform server is missing a registry key which caused LGOP transcodes and renders to fail
CR104584	License server error msg. is generated when connecting to local mode.
CR105566	Use of 20 minute sequences results in sluggish LD performance with 100baseT network
CR105671	Certain imported XDCAM clips are displaying black when loaded in Clip Source
CR105812	Audio disappears when switching between Timeline tool and Video effects tool
CR105871	Sending a sequence from Edit with I frame at the front and LGOP results in the sequence being short in duration
CR106070	The installer does not set the DbUseServer registry value that indicates to use shared storage. This occurs if the only features selected to install are Aurora FTP and/or SmartBins.
CR106255	When doing multiple Restores from archive, occasionally a race condition occurs that results in timecode not appearing in the bin. This creates a clip that is zero length and that cannot be opened.

Changes and features in previous releases

The following sections describe changes and features in past releases.

Version 6.5.1.440

- **K2 Summit compatible** – The Aurora suite of software, including Aurora Edit, is compatible with the K2 Summit software.

Version 6.5

- *NOTE: Aurora Edit 6.5 now requires you to have an Aurora Sys license running on the license manager, typically the DSM, for shared connectivity as well linking to story via Aurora Playout tools.*

- **DV100 Support** – Aurora Edit 6.5 includes support for DV100 media, either via record or removable media import from P2. Note that transfers of DV100 media to the Summit are supported, while transfers to K2 server are not.
- **MPEG Long GOP Support** – XDCAM HD, as well as Long GOP K2 records, can be used natively within Aurora Edit timelines.

- **Agile Timeline** – Users can mix and match various formats (e.g. HD/SD, 1080i/720p, DV/MPEG, etc.) in real time within the timeline without having to media convert up front.
- **Send as MPEG2** – As an enhancement to the previous Long GOP Send capability that was supported in previous versions of Aurora Edit, 6.5 now allows transfers to transcode to MPEG I-Frame as well as MPEG Long GOP and XDCAM HD formats.
- **More Audio Channels** – Aurora Edit now supports 16 channels of audio within a file for playback, 8 channels of audio for recording, 16 tracks of audio within the timeline, and up to 16 channels of output when sending to a server.
- **MediaFrame Integration** – New search and metadata tools have been embedded in numerous areas within the application. These changes represent practical improvements to the product as well as providing overarching workflow enhancements to the workflow.
- **Final Cut Pro Enhancements** – Aurora Edit 6.5 has added special support for the Leopard OS for Apple. In addition to setup changes, DV100 and XDCAM HD workflows are fully supported.

  NOTE: Previous Apple operating systems are not supported in Aurora Edit 6.5.

- **System Information Utility** – The Help->About box now includes a System Information Utility.
- **Render and Send via Conform Server** – Aurora Edit can now off load sequences to a conform server for rendering, transcoding, and sending jobs, just like Aurora Edit LD has supported in the past.
- **HDV** – HDV media can be ingested with the Record to Bin feature of Aurora Edit.
- **Write-back to SD XDCAM** – Sequences and clips can be exported to an XDCAM disk in the SD format.
- **Native Timecode Support** – Media that is recorded on the K2 will have its timecode preserved, even if discontinuous, with shared SmartBin environments.
- **Improved Aspect Ratio Conversion** – Users can adjust aspect ratio settings in real time prior to adding clips to the timeline. The resulting clip can be used on the timeline prior to the actual conversion process.
- **AVC-Intra Support** – AVC-Intra clips can be imported and placed on the timeline in its native format. These will be transcoded on sending to the K2 server.
- **JPEG2K Support** – JPEG2K clips can be imported and placed on the timeline in its native format. These will be transcoded on sending to the K2 server.
- **Online Help** – Users can access online help from Aurora Edit, which is an improvement upon the help manuals of the past.

Older versions

For information about older software versions not listed in these release notes, refer to the release notes for those versions.

Version compatibility

Versions qualified for compatibility with this release of software are summarized in the following sections.

System specifications

This section describes the hardware requirements that customers should use when purchasing equipment for this release. The minimum spec describes the bare minimum requirement for running Aurora, which may reduce the quality of user experience, depending on the task. The expected lifespan of minimum spec equipment is also less than that of recommended spec equipment, since it lacks head room for future growth.

NOTE: Minimum specs for SD configurations are provided only for existing SD customers upgrading to this release. New customers should use HD configurations.

Aurora Edit SD laptop

	MINIMUM Spec
Processor	Intel Core 2 Dual Core 2.4 GHz
Memory	2 GB
Graphics	Integrated or discrete graphics with 128 MB of memory and support for Direct3D 9 and Shader Model 3.0
System Drive	80 GB 7200 RPM SATA
Media Drive(s)	7200 RPM SATA if 2nd drive is available; otherwise order a larger system drive
Optical Drive	CD/DVD
Network	Gigabit Ethernet
Firewire/1394	As needed
OS	Windows XP Pro 32 SP3

Aurora Edit HD laptop

	MINIMUM Spec	RECOMMENDED Spec
Processor	Intel Core 2 Dual Core 2.4 GHz	Intel Core 2 Quad Core 2.53 GHz
Memory	3 GB	3 GB

	MINIMUM Spec	RECOMMENDED Spec
Graphics	Integrated or discrete graphics with 256 MB of memory and support for Direct3D 9 and Shader Model 3.0	Integrated or discrete graphics with 256 MB of memory and support for Direct3D 9 and Shader Model 3.0
System Drive	80 GB 7200 RPM SATA	80 GB 7200 RPM SATA
Media Drive(s)	7200 RPM SATA if 2 nd drive is available; otherwise order a larger system drive	7200 RPM SATA if 2 nd drive is available; otherwise order a larger system drive
Optical Drive	CD/DVD	CD/DVD
Network	Gigabit Ethernet	Gigabit Ethernet
Firewire/1394	As needed	As needed
OS	Windows XP Pro 32 SP3	Windows XP Pro 32 SP3
Notes	Editing HD on laptop systems may result in some performance difficulties compared to desktop systems. This includes potentially choppy playback, particularly during un-rendered effects or when playing multiple streams of video. In addition, render performance on a laptop is affected by inherently slower drive performance within laptops.	

Aurora Edit SD desktop

	MINIMUM Spec
Processor(s)	Intel Core 2 Dual Core 2.33 GHz *OR* Intel Xeon 5140 Dual Core 2.33 GHz *OR* AMD Opteron 270 Dual Core 2.0 GHz
Memory	2 GB
Graphics	Discrete graphics w/ 128 MB of dedicated memory and support for Direct3D 9 and Shader Model 3.0
System Drive	80 GB 7200 RPM SATA
Media Drives	2 x 250 GB 7200 RPM SATA striped
Optical Drive	CD/DVD
Network	Gigabit Ethernet (2)
Firewire/1394	As needed
OS	Windows XP Pro 32 SP3
Notes	A Gigabit Ethernet card and a Firewire/1394 card shall NOT be installed on the same PCI

	MINIMUM Spec
	bus segment (e.g. adjacent PCI slots), since this can cause very poor performance.

Aurora Edit HD desktop

	MINIMUM Spec	RECOMMENDED Spec
Processor(s)	Intel Core 2 Quad Core 2.33 GHz *OR Two* Intel Xeon 5160 Dual Core 3.0 GHz	*Two* Intel Xeon 5410 Quad Core 2.33 GHz
Memory	3 GB	3 GB
Graphics	Discrete graphics w/ 256 MB of dedicated memory and support for Direct3D 9 and Shader Model 3.0	Discrete graphics w/ 384 MB of dedicated memory and support for Direct3D 9 + 10 and Shader Model 4.0
System Drive	80 GB 7200 RPM SATA	80 GB 7200 RPM SATA
Media Drives	2 x 250 GB 7200 RPM SATA striped	2 x 250 GB 7200 RPM SATA striped
Optical Drive	CD/DVD	CD/DVD
Network	Gigabit Ethernet (2)	Gigabit Ethernet (2)
Firewire/1394	As needed	As needed
OS	Windows XP Pro 32 SP3	Windows XP Pro 32 SP3
Notes	A Gigabit Ethernet card and a Firewire/1394 card shall NOT be installed on the same PCI bus segment (e.g. adjacent PCI slots), since this can cause very poor performance. It is the customer's responsibility to insure that the system has sufficient number and type of expansion slots to meet the intended use. (For example, to accommodate network and/or FireWire cards.)	

Aurora Edit HDR (AJA) desktop / rackmount

	REQUIRED Spec
Model	HP z800 workstation (850 W chassis)
Processors	*Two* Intel Xeon 5540 Quad Core 2.53 GHz
Memory	4 GB (4 x 1 GB)
Graphics	NVIDIA FX1800 768 MB graphics (Direct3D 10 and Shader Model 4.0)
System Drive	250 GB 7200 RPM SATA

	REQUIRED Spec
Media Drives	2 x 250 GB 7200 RPM SATA striped (RAID 0 Data Array)
Optical Drive	CD/DVD
Network	Gigabit Ethernet (2) (built into motherboard)
Firewire/1394	(2) (built into motherboard)
Optional	Rack mount kit
OS	Windows XP Pro 32 SP3
Notes	System shall be equipped EXACTLY as specified above, except as follows: • Customer may order faster quad core CPUs if desired. • Customer may order larger/faster system drive and/or larger/faster media drives if desired. • Customer may order additional network interfaces as needed. • Customer may order additional 1394 card if needed.

You might need to update the firmware on the AJA LHi board, since some early boards from AJA might have shipped with an older firmware. Aurora Self Test should notify you if the wrong firmware is installed.

To update the firmware, follow these steps:

1. Open a command prompt with Administrator privileges
2. Type: cd "C:\Program Files\Grass Valley\Aurora\AJA Drivers\HD (for LH and LHi)"
3. Type: spiflash top_pike_01_2f.bit
4. Wait for it finish flashing (it can take upwards of a minute or so)
5. Restart.

Aurora Conform Server (SD)

	MINIMUM Spec
Model	Dell PowerEdge 2850 or 2950
Processor(s)	Intel Xeon 1.0 GHz
Memory	2 GB
Graphics	Integrated graphics
System Drive	36 GB 7200 RPM SATA or SAS
Optical Drive	CD/DVD

	MINIMUM Spec
Network	Gigabit Ethernet (2)
OS	Windows Server 2003 32 SP2

Aurora Conform Server (HD)

	MINIMUM Spec	RECOMMENDED Spec
Model	Dell PowerEdge 2850 or 2950	Dell PowerEdge 2950
Processor(s)	Intel Xeon Dual Core 1.0 GHz *OR Two* Intel Xeon 1.0 GHz	*Two* Intel Xeon E5405 Quad Core 2.0 GHz
Memory	3 GB	4 GB
Graphics	Integrated graphics	Integrated graphics
System Drive	36 GB 7200 RPM SATA or SAS	160 GB 7200 RPM SATA or SAS
Optical Drive	CD/DVD	CD/DVD
Network	Gigabit Ethernet (2)	Gigabit Ethernet (2)
OS	Windows Server 2003 32 SP2	Windows Server 2003 R2 32 SP2

Aurora Edit LD

	MINIMUM Spec	RECOMMENDED Spec
Processor(s)	Intel Pentium 4 2.4 GHz *OR* Intel Pentium Dual Core 1.6 GHz *OR* Intel Core 2 2.0 GHz *OR* Intel Core 2 Dual Core 1.6 GHz	Intel Core 2 Dual Core 2.0 GHz
Memory	1 GB	2 GB
Graphics	Integrated or discrete graphics with 64 MB of memory and support for Direct3D 9 and Shader Model 3.0	Discrete graphics with 128 MB of memory and support for Direct3D 9 and Shader Model 3.0
System Drive	80 GB 7200 RPM SATA	80 GB 7200 RPM SATA
Optical Drive	CD/DVD	CD/DVD
Network	Gigabit Ethernet	Gigabit Ethernet
OS	Windows XP Pro 32 SP3	Windows XP Pro 32 SP3

	MINIMUM Spec	RECOMMENDED Spec
Notes	Customers with legacy systems that do not meet the minimum specifications should expect performance problems, including timeline disruptions on playback, sluggish edits for cuts, transitions, and effects, and delays while scrubbing video and audio.	

HP workstation board assignments

This section lists the supported Aurora Edit workstations and the corresponding slot assignments.

HP xw8600 Workstation Board Assignment

Slot #	Slot Type	
1	PCI	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)
2	PCI-e x16	NVIDIA Quadro FX3700 graphics
3	PCI-e x8 (x4)	Empty (use as needed)
4	PCI-e x16 (x16 or x8)	Empty (use as needed)
5	PCI-e x8 (x1 or x8)	Empty (use as needed)
6	PCI-e x8 (x4)	Empty (use as needed)
7	PCI-X	SDR/HDR I/O board

HP xw8400 Single-CPU Workstation Board Assignment

Slot #	Slot Type	SD/SDR	SDFX
1	PCI	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)
2	PCI-e	NVIDIA Quadro FX1500 graphics	NVIDIA Quadro FX560 graphics
3	PCI-e	Network Interface	Network Interface
4	PCI-e	Network Interface	Network Interface
5	PCI-X	SDR I/O	SDFX I/O
6	PCI-X		SDFX Audio Adapter

Slot #	Slot Type	SD/SDR	SDFX
7	PCI-X	Fibre Channel	Fibre Channel

HP xw8400 Dual-CPU Workstation Board Assignment

Slot #	Slot Type	HD/HDR	HDFX
1	PCI	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)
2	PCI-e	NVIDIA Quadro FX1500 graphics	NVIDIA Quadro FX1500 graphics
3	PCI-e	Network Interface	Network Interface
4	PCI-e	Network Interface	Network Interface
5	PCI-X	HDR I/O	HDFX I/O
6	PCI-X		HDFX Audio Adapter
7	PCI-X	Fibre Channel	HDFX Effects

HP xw9300 Workstation Single-CPU Board Assignment

Slot #	Slot Type	SD/SDR	SDFX (Option 1)	SDFX (Option 2)
1	PCI-e	NVIDIA Quadro FX1400 graphics	NVIDIA Quadro FX1500 graphics	NVIDIA Quadro FX1400 graphics
2	PCI	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)
3	PCI-e	inactive	inactive	SDFX Audio Adapter
4	PCI-X	Network Interface, Fibre Channel, or RS422	SDFX Audio Adapter	Network Interface
5	PCI-X	Network Interface	SDFX I/O	SDFX I/O
6	PCI-X	SDR I/O	—	SDFX Effects

HP xw9300 Dual-CPU Workstation Board Assignment

Slot #	Slot Type	HD/HDR	HDFX
1	PCI-e	NVIDIA Quadro FX3450 graphics	NVIDIA Quadro FX3450 graphics
2	PCI	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)	Comtrol RS-422 (optional) OR additional IEEE 1394 (optional)
3	PCI-e	Network Interface	Network Interface
4	PCI-X	Network Interface or Fibre Channel	HDFX Audio Adapter
5	PCI-X	Network Interface or Fibre Channel	HDFX I/O
6	PCI-X	HDR I/O	HDFX Effects

HP z800 Workstation Board Assignment

Slot #	Slot Type	Use
1	PCI-e Gen2 x8 (x4)	Empty (can be used as needed)
2	PCI-e Gen2 x16	NVIDIA Quadro FX1800 graphics
3	PCI-e x8 (x4)	Empty (can be used as needed)
4	PCI-e Gen 2 x16 (x8)	HDR I/O board (optional)
5	PCI-e Gen 2 x16	Empty (can be used as needed)
6	PCI	Comtrol 422 (optional) *OR* 2 nd 1394 (optional)
7	PCI-e Gen2 x16 (x8)	Empty (can be used as needed)

Compatible DSM components

The following components reside on the DSM and are compatible with this release of software as listed in the following table. Compatible versions are pre-installed on the DSM when you receive it new from Grass Valley.

Product	Version	Comments
SQL	2005 SP2	

Compatible Grass Valley products

Grass Valley products are compatible with this release of software as follows:

Product	Version	Comments
Aurora Browse client	6.5.2.8	—
Aurora Browse MediaFrame Server	6.5.2.19	With compatible version of SQL
Aurora Browse Proxy Encoder	6.5.2.12	—
Aurora Ingest	6.5.2.175	With compatible version of SQL
Aurora Playout	6.5.2.80	With compatible version of SQL
Aurora SDR/HDR Driver (AJA)	7.0.0.46	—
Aurora SDFX/HDFX Driver (Matrox)	DSX.utils 5.5.1.203	—
Generic iSCSI Installer	3.3.0.1141 or 7.0.11.1081 or 7.0.12.1151	—
GVG_MLib Installer	3.3.0.1141 or 7.0.11.1081 or 7.0.12.1151	—
K2 system software	3.3.0.1141 or 7.0.11.1081 or 7.0.12.1151	—
K2-Aurora FTP	6.5.2.745	—
M-Series system software	2.0.13.567	—
SiteConfig application	1.1.0.433 or higher	—

Compatible third party products

Products by manufacturers other than Grass Valley are compatible with this release of software as follows:

Product	Version	Comments
Chyron Lyric Software	5.21	
DirectX	9.0c	
HP z800 BIOS	1.14	
HP xw8400 BIOS	2.35	

Product	Version	Comments
HP xw8600 BIOS	1.35	
HP xw9300 BIOS	2.09	
JLCooper USB Driver	1.0.2176.1	
Microsoft Windows	XP with Service Pack 3	Windows Vista is NOT currently supported
Microsoft Windows Media Player	10 or greater	
NVIDIA driver	186.18	
Panasonic P2 Driver	2.03.0002	Contact Panasonic for driver
QuickTime	7.0 or greater	
SNFS	3.1.2.RC25225.6138	Required for K2 SAN installations
Sony XDCAM FAM Driver	2.04	Contact Sony for driver

Upgrading Aurora Edit and Aurora Edit LD systems

This section contains the tasks necessary for the upgrade to this release of software.

Upgrading Aurora Edit and Edit LD devices with SiteConfig

This section contains the tasks for using SiteConfig to upgrade Aurora Edit and Aurora Edit LD devices to this release of software. Work through the tasks sequentially to complete the upgrade.

NOTE: These upgrade instructions assume that current software is at version 6.5 or higher. If you have a lower version of software, contact Grass Valley Support before upgrading.

NOTE: When upgrading from a version lower than 6.5, the software installs with a 30 day trial license. You need a permanent license to operate beyond the trial period.

⚠ *CAUTION: If you upgrade and then decide you do not want to stay with this version of software, you must use the recovery disk image process to downgrade to your previous version.*

About upgrading Aurora Edit and Aurora Edit LD with SiteConfig

These upgrade instructions apply to Aurora Edit devices as follows:

- Aurora Edit workstation of any storage option: Shared storage, NAS storage, and stand-alone.
- Aurora Edit LD computer
- DSM
- Conform Server
- SmartBin Server
- FTP Server

With these upgrade instructions, you use SiteConfig from a network connected control point PC and remotely upgrade software simultaneously on one or more devices. This is the recommended process for software upgrades.

Before you upgrade software using SiteConfig, your Aurora Edit devices must be migrated to become a SiteConfig managed device. This includes installing SiteConfig support on the device and qualifying the device for communication with SiteConfig. Refer to *SiteConfig Migration Instructions*. Also refer to the *SiteConfig User Manual* or *SiteConfig Help Topics*.

NOTE: Do not attempt to upgrade software incrementally across the devices of a K2 SAN while media access is underway. Online software upgrading is not supported.

To upgrade software using SiteConfig, you must first have SiteConfig set up for system managment and software deployment in your facility. These upgrade instructions assume that you have already done that for your K2 SAN. Then you add your Aurora Edit devices to the SiteConfig system description that you are using for your K2 SAN.

The following installation tasks provide information specifically for the upgrade to this version of software. Read the information in these sections carefully before attempting any upgrade to software.

Make recovery images

Do not do this task if:

•   You previously made a recovery image at the current software version for each computer you are upgrading.

Do this task if:

•   You do not have a recovery image at the current software version for one or more of the computers you are upgrading.

The recommended procedure is to make a recovery image immediately after a software upgrade. If you neglected to do this when you last upgraded software you should make the recovery image now, before upgrading to the new version.

⚠ *CAUTION: If you upgrade and then decide you do not want to stay with this version of software, you must use the recovery disk image process to downgrade to your previous version.*

Prepare for upgrade

Before upgrading, do the following:

•   Procure the software installation files for this release via the appropriate distibution method, such as download, CD-ROM, network drive, or external drive.
•   Start up the devices you are upgrading, if they are not already started.
•   Stop all media access on the devices you are upgrading.
•   Shut down all applications on the devices you are upgrading.

Prepare SiteConfig for software deployment

Do the following to prepare SiteConfig for the software upgrade.

1. Make the following files accessible to the SiteConfig control point PC:

•   AuroraSuite software installation (`*.cab`) file
•   AuroraEditLD software installation (`*.cab`) file
•   NewsShare software installation (`*.cab`) file

- ConformServer software installation (`*.cab`) file
- Generic iSCSI software installation (`*.cab`) files
- GVGMLib software installation (`*.cab`) file

2. If a newer version of SiteConfig is available for upgrade and you have not yet upgraded SiteConfig, do the following:

   a) From Windows Add/Remove programs, uninstall the current version of SiteConfig from the control point PC.

   b) Install the new version of SiteConfig on the control point PC.

Upgrade K2 systems

Prerequisites for this task are as follows:

- If upgrading a K2 SAN, all SAN clients must be offline (all media access stopped) or shut down. Depending on your system design, this could include devices such as K2 clients, K2 appliances, Aurora Proxy (Advanced) Encoders, MDI server, Aurora Edit clients, Aurora Ingest clients, Aurora Playout clients, and generic clients.

  Upgrade your K2 systems to the compatible version of K2 system software. This includes K2 SAN systems and stand-alone K2 Media Client and K2 Summit Production Client systems. Refer to *K2 Release Notes* for procedures.

Set up K2 Aurora FTP

Do the following tasks if you use K2-Aurora FTP.

Adding K2-Aurora FTP software role to K2 Media Server

Use the following SiteConfig procedure to add the **K2-Aurora FTP** role to the K2 Media Server that you use as your K2-Aurora FTP server, if you have not already done so. The K2 Media Server that you use as your K2-Aurora FTP server must also have the role of K2 FTP Server.

1. In the **Software Deployment | Devices** tree view, right-click the device and select **Add Role**.

   The Add Role dialog box opens.
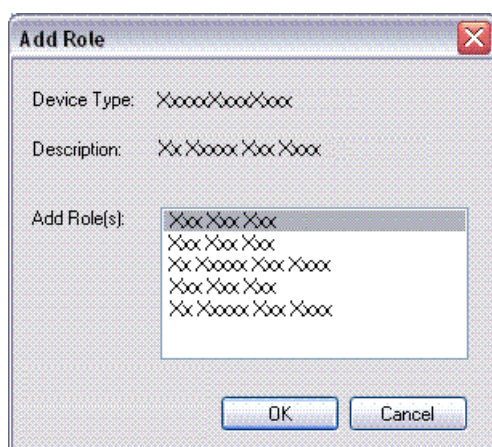
The Add Role dialog box displays only those roles that SiteConfig allows for the selected device type.

2. Select the role or roles that you want to add to the device. Use Ctrl + Click or Shift + Click to add multiple roles.

3. Click **OK** to save settings and close.

The new role or roles appear under the device in the tree view.

Install and configure K2-Aurora FTP

1. In SiteConfig, check software on the the deployment group that contains your K2 Media Servers.

2. In SiteConfig, add the `K2AuroraFTP_x.x.x.xxx.cab` file to the deployment group that contains your K2 Media Servers.

3. Proceed with next steps to set deployment options for K2-Aurora FTP software.

4. Do one of the following to set deployment options:

   • Double-click the task.
   • Select the task and click the **Options** button.

   A wizard opens.

5. Work through the wizard and set deployment options as follows:

Software	Deployment options
K2-Aurora FTP	
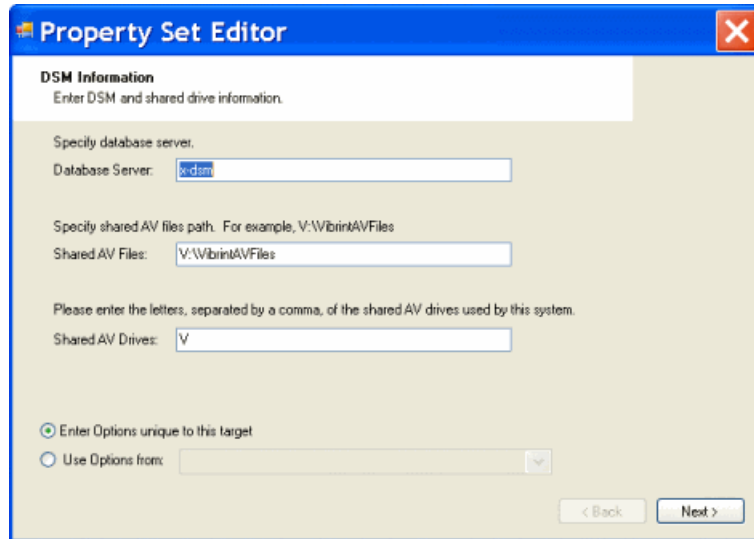
Software	Deployment options
	Enter Database server(DSM), Shared AV Files, Shared AV Drives.

6. Deploy the following tasks:

Deploy	Managed Package	Action
✓	K2-Aurora FTP x.x.x.xxx	Uninstall (if upgrading K2-Aurora FTP)
✓	K2-Aurora FTP x.x.x.xxx	Install

7. Click the **Start Deployment** button.
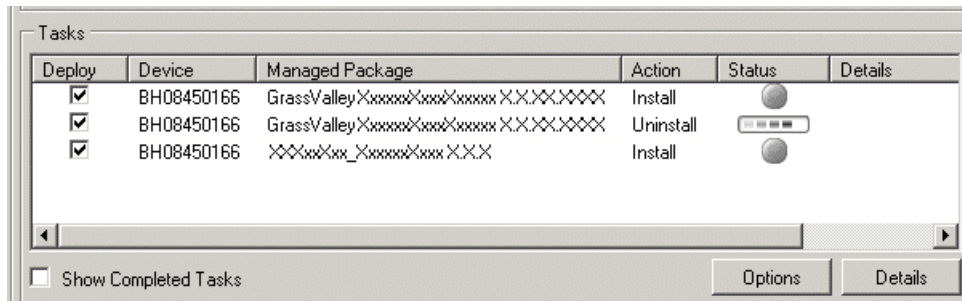
8. When the Status or Details columns indicate next steps, proceed as follows:

   • When Details displays a **Restart required** link, click the link and when prompted "...are you sure...", click **Yes**.
   • If the Details column does not prompt you, restart the K2 Media Server manually.

The K2 Media Server restarts. This restart is required.

9. On the K2 Media Server, to enable port range limits for passive transfers, create the following two DWORDs in the registry at HKEY_LOCAL_MACHINE/SOFTWARE/Grass Valley Group/Streaming/:

    - FtpPasvStart (starting port number, inclusive : DWORD)
    - FtpPasvEnd (ending port number, inclusive : DWORD)

10. Open MediaFrame Configuration and for the News MDI, configure the transfer server to the K2 Media Server that is your K2-Aurora FTP server.

Distribute devices into deployment groups

You can gather devices of different types into a SiteConfig deployment group. This allows you to deploy software to all the devices in the deployment group at the same time, as part of the same deployment session. Based on the roles you have assigned to the devices, SiteConfig deploys the proper software to each device. This increases the efficiency of your software deployment with SiteConfig.

If you have not already done so, configure your deployment groups. The recommended deployment group distribution is as follows. Depending on your system design, your system might not have all the device types listed.

- In a deployment group named "Aurora_Edit_Ingest_Playout", place the following devices:

    - Aurora Edit workstation of any storage options: Shared storage, NAS storage, and stand-alone.
    - Aurora Edit LD computer
    - DSM
    - Conform Server
    - SmartBin Server
    - FTP Server
    - Aurora Ingest workstation
    - IEP
    - Aurora Playout computer

- In a deployment group named "Aurora_Browse_MediaFrame", place the following devices:

    - MediaFrame server
    - MDI server
    - Aurora Proxy Encoder
    - K2 Basecamp Express

- If you have a K2 Nearline SAN (NAS), in a deployment group named for the SAN system, place the following devices:

    - The Nearline SAN's K2 Media Servers.

Install High Priority Windows updates (recommended)

- Windows "High Priority" updates are recommended, but not required. While you have devices in an offline state to upgrade software, you should check to see if there are any new updates that you need to install. Use standard Windows procedures.

  ⚠ *CAUTION: Only "High Priority Updates" should be installed. Do not install other Windows or driver updates.*

Manually upgrade systems

Some tasks that might be required with the upgrade to this release are not supported for SiteConfig management and/or software deployment. For these tasks you must manually upgrade and/or configure the device before using SiteConfig to upgrade software. Refer to the tasks in this section as appropriate for your system.

Upgrade Microsoft SQL Server 2005 Standard Edition

Microsoft SQL Server 2005 Standard Edition is installed on devices as follows:

- Aurora DSM – SQL Server 2005 Standard Edition is required.
- Ingest Server – Either Microsoft SQL Express 2005 or Microsoft SQL Server 2005 Standard Edition is required.

Use the following steps to manage upgrades to Microsoft SQL Server 2005 Standard Edition.

1. Determine if you have Microsoft SQL Server 2005 Standard Edition installed on one or more of your system devices, If installed, continue with next steps.

2. Check version compatibility information in these release notes and determine if this release of software requires an upgrade to Microsoft SQL Server 2005 Standard Edition.

3. If an upgrade is required, go to the local device and upgrade Microsoft SQL Server 2005 Standard Edition.

Check all currently installed software on Aurora Edit devices

Prerequisites for this task are as follow:

- The device is assigned in the SiteConfig system description and network connectivity is present.
- SiteConfig is able to log in to the device using the username/password credentials assigned to the device.
- The SiteConfig control point PC does not have a network drive mapped to an administrative share (such as C$) on a device on which you are checking software.

- If this is the first time deploying software to Aurora devices using SiteConfig, on those Aurora devices previous versions of Aurora software and SiteConfig software, such as the Network Configuration Kit and/or Discovery Agent, have been manually uninstalled. For more information refer to *SiteConfig Migration Instructions*.

Do the following steps on the devices that you are upgrading.

1. In the **Software Deployment | Deployment Groups** tree view, right-click the top-most node for the group or any individual device and select **Check Software**.

   NOTE: If you have access problems, verify that the adminstrator account on the device has credentials as currently configured in SiteConfig. By default credentials on the device should be administrator/adminGV! for Aurora devices and Administrator/adminK2 for K2 devices.

   The Check Software dialog box appears. SiteConfig searches for software on the selected device or devices and gathers information. Progress is reported.

2. When the check is complete for the selected device or devices, close the Check Software dialog box.

An updated list of all currently installed software is displayed in the **Software Deployment | Devices | Installed Software** list view. If software is a SiteConfig managed software package, information is displayed in the Managed Package and Deployment Group columns.

Related Links

  About installing SiteConfig

Add software package to deployment group for Aurora Edit devices

Prerequisites for this task are as follows:

- You can access the software package file from the SiteConfig control point PC.
- The devices to which you are deploying software are in a deployment group.

Use the following procedure to add one or more software package installation files to the deployment group that contains the devices in the following list. Depending on your system design, you might not have all of the device-types listed:

- Aurora Edit Workstation
- Aurora Edit LD computer
- DSM
- Conform Server
- SmartBin Server
- FTP Server

For this release of software, identify and add software package installation files as follows:

Software	File name
Aurora Suite	*AuroraSuite_6.5.2.xxx.cab*

Software	File name
Aurora Edit LD	*AuroraEditLD_6.5.2.xxx.cab*
NewShare	*NewsShare_6.5.2.xxx.cab*
Conform server	*ConformServer_6.5.2.xxx.cab*

Depending on the K2 software version of your K2 SAN, also add software package installation files as follows:

NOTE: Add files for either 3.x OR 7.x. Do not add files for both 3.x AND 7.x.

- If your devices access storage on a K2 software version 3.x K2 SAN, add software package installation files as follows:

Software compatible with 3.x K2 SAN	File name
Generic iSCSI client for 32 bit systems	*GenericISCI_x86_3.3.0.cab*
Generic iSCSI client for 64 bit systems	*GenericISCI_x64_3.3.0.cab*
GVG MLib	*GVG_MLib_3.3.0.cab*

SNFS is bundled with the Generic iSCSI cab file.

- If your devices access storage on a K2 software version 7.x K2 SAN, add software package installation files as follows:

Software compatible with 7.x K2 SAN	File name
Generic iSCSI client for 32 bit systems	*GenericISCI_x86_7.0.12.cab*
Generic iSCSI client for 64 bit systems	*GenericISCI_x64_7.0.12.cab*
GVG MLib	*GVG_MLib_7.0.12.cab*

You can add files for both 32 bit and 64 bit systems because when SiteConfig deploys software it automatically deploys the 32 bit or 64 bit software appropriate for the target device. SNFS is bundled with the Generic iSCSI cab file.

1. In the **Software Deployment | Deployment Groups** tree view, select a deployment group.

2. Click the **Add** button.

   The Add Package(s) dialog box opens.

3. Do one of the following to select the software package:

   - Select from the list of packages then click **OK**.

   - Click **Browse**, browse to and select the package, then click **Open**.

4. If one or more EULAs are displayed, accept them to proceed. If you do not accept a EULA, the associated software is not assigned to the deployment group.

   SiteConfig adds the package to the deployment group.

The package appears in the Managed Packages list for the selected deployment group. SiteConfig creates new software deployment tasks for the package and displays them in the Tasks list view.

Setting deployment options

Pre-requisites for this procedure are as follows:

- A software package has been assigned to the deployment group and applicable deployment tasks are now displayed in the Tasks area.

1. In the **Software Deployment | Deployment Groups** tree view, select a deployment group.
2. In the Tasks list view, view tasks and determine if you must set deployment options. Tasks that need to have deployment options set display in the Details column a message stating "Deployment options required."

   If you select a task that needs to have its deployment options set, the Start Deployment button is disabled and the message is displayed next to the button.

3. Proceed with next steps to set deployment options for the following:

   - GVG_MLib
   - Conform Server

4. Do one of the following to set deployment options:

   - Double-click the task.
   - Select the task and click the **Options** button.

   A wizard opens.

5. Work through wizards and set deployment options as follows:

Software	Deployment options
GVG_MLib	Enter the name(s) of the K2 Media Server(s) with role of file system server (FSMs)
Conform Server	Database server, Shared AV Files (e.g. V:\xreAVFiles), Shared AV Drives, and the Media Frame Server
Aurora Suite	

Software	Deployment options
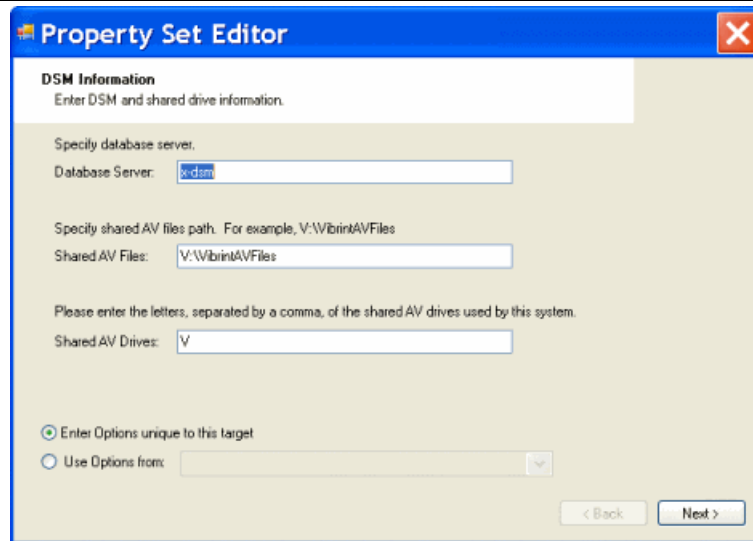
Enter Database server(DSM), Shared AV Files, Shared AV Drives.
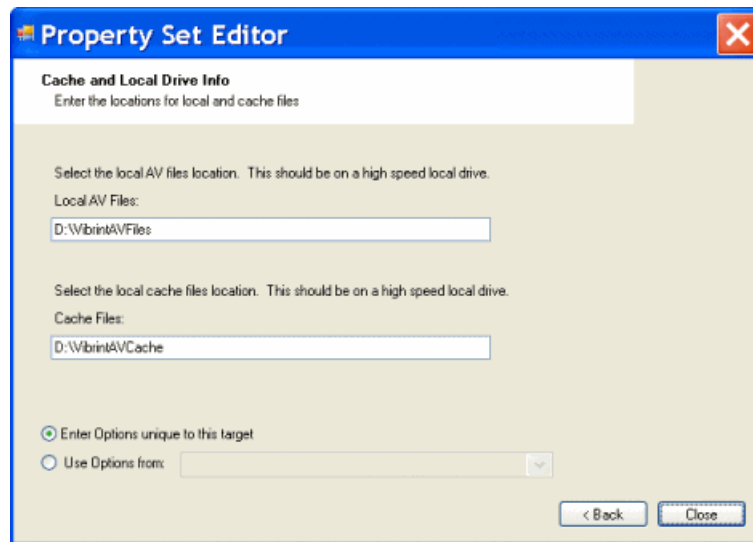
Enter Local AV Files, Cache Files.

6. If you have multiple devices of the same type, you can enter deployment options for one of them using the wizard. Then, when you bring up the same wizard on every device, you can choose the **Use options from** radio button and select the first device for which you set options.

SiteConfig copies the options you set for the first device and fills in the blanks on the wizard.

Upgrade software on Aurora Edit devices

Prerequisites for this task are as follows:

- The devices that you are upgrading are in a deployment group.
- For the software you are upgrading, you have added a newer version of that managed software package to the deployment group.
- You have recently done the SiteConfig "Check Software" operation on the devices you are upgrading.

When you upgrade software, SiteConfig enforces an uninstall of the current version of software before installing the upgrade version. SiteConfig can do the uninstall/install in a single deployment session. If you are upgrading multiple software components, SiteConfig enforces any dependencies by sequencing deployment tasks. SiteConfig provides uninstall deployment tasks and install deployment tasks to indicate the taskflow.

1. In the **Software Deployment | Deployment Groups** tree view, select the device or the group of devices for which you are upgrading software.
   The corresponding software deployment tasks are displayed in the Tasks list view.

2. For the software you are uninstalling, select the **Deploy** check box in the row for the uninstall task.

   NOTE: If you manually uninstalled or installed software, the uninstall task might not appear or it might appear with a different package name.

3. For the software you are installing, select the **Deploy** check box in the row for the install task.

   For upgrading Aurora Edit devices to this release, deploy the following tasks:

Deploy	Managed Package	Action
✓	AuroraSuite xxxx.xxxx	Uninstall
✓	AuroraSuite 6.5.2.xxxx	Install
✓	AuroraEditLD xxxx.xxxx	Uninstall
✓	AuroraEditLD 6.5.2.xxxx	Install
✓	NewsShare xxxx.xxxx	Uninstall
✓	NewsShare 6.5.2.xxxx	Install
✓	ConformServer xxxx.xxxx	Uninstall
✓	ConformServer 6.5.2.xxxx	Install
✓	GenericISCI x86 xxxx.xxxx	Uninstall

Deploy	Managed Package	Action
✓	GenericISCI x86 xxxx.xxxx (version must be compatible with K2 SAN)	Install
✓	GenericISCI x64 xxxx.xxxx	Uninstall
✓	GenericISCI x64 xxxx.xxxx (version must be compatible with K2 SAN)	Install
✓	GVGMLib xxxx.xxxx	Uninstall
✓	GVGMLib xxxx.xxxx (version must be compatible with K2 SAN)	Install

Also, you must upgrade SNFS with this release, so deploy the following tasks at the same time:

Deploy	Managed Package	Action
✓	SNFS nonK2 x86 xxxxxx	Uninstall
✓	SNFS nonK2 x86 3.1.2.6138	Install
✓	SNFS nonK2 x64 xxxxxx	Uninstall
✓	SNFS nonK2 x64 3.1.2.6138	Install

When using SiteConfig for upgrades, the SNFS upgrade is required even if you are already at version 3.1.2.RC25225.6138. The upgrade resets SNFS version information for SiteConfig.

If a message instructs you to upgrade the Discovery Agent, on the control point PC go to the directory to which SiteConfig is installed and in the `Discovery Agent Setup` directory find the `DiscoveryAgent_x.x.x.x.cab` file. Add it to the deployment group and deploy the Discovery Agent software as well.

NOTE: If there are dependencies, SiteConfig can enforce that some tasks be deployed together.

4. Click the **Start Deployment** button.
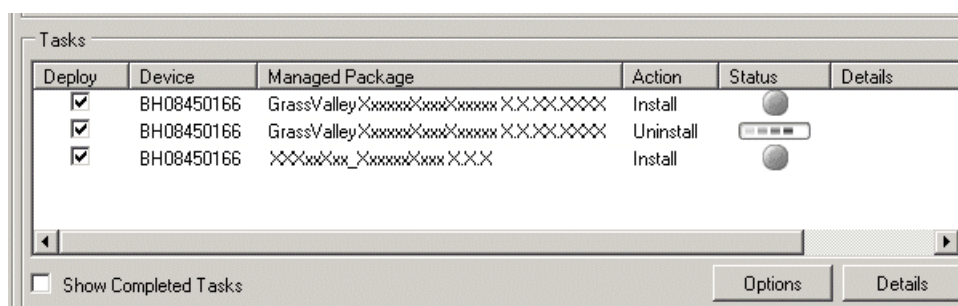
Deployment tasks run and software is uninstalled. Progress is reported and next steps are indicated in both the Status and Details columns.

5. When the Status or Details columns indicate next steps, proceed as follows:

   • When Details displays a **Restart required** link, click the link and when prompted "...are you sure...", click **Yes**.

   The device restarts.

   Deployment tasks run and software is installed. Progress is reported and next steps are indicated in both the Status and Details columns.

6. When the Status or Details columns indicate next steps, proceed as follows:

   • When Details displays a **Restart required** link, click the link and when prompted "...are you sure...", click **Yes**.

7. Monitor progress as indicated by both the Status and Details column. When finished, the Status column indicates complete.

Upgrade NAS systems

Prerequisites for this task are as follows:

• K2 systems are upgraded to the compatible version of K2 system software.
• Aurora Edit, Ingest, and Playout systems are upgraded to the compatible versions of software.

Upgrade the MediaFrame Proxy NAS (K2 Nearline SAN) to the compatible version of K2 software. Use SiteConfig and deploy software, using steps similar to those for other systems.

a) Check software on the Nearline SAN's K2 Media Servers.
b) Add software `*.cab` file to the deployment group that contains the K2 Media Servers.
c) Upgrade software on K2 Media Servers via a SiteConfig deployment session.

Upgrade Browse and MediaFrame systems

Prerequisites for this task are as follows:

- K2 systems are upgraded to the compatible version of K2 system software.
- Aurora Edit, Ingest, and Playout systems are upgraded to the compatible versions of software.
- K2 Nearline SAN (NAS) systems are upgraded to the compatible version of K2 system software.

Upgrade your Browse and MediaFrame systems to the compatible versions of software. Refer to *Aurora Browse Release Notes* for procedures.

Make recovery images

After you have upgraded software as instructed in these procedures and verified that your system is working properly, you should always make a recovery image of each of your upgraded computers. Use a sequence of events similar to those you followed for upgrading software, so that as you take systems offline you manage redundancy, servers, and clients, as appropriate for your system.

Licensing Grass Valley products

The following sections contain instructions for managing Grass Valley product licenses.

About software licensing

Aurora Edit is licensed via Grass Valley's SabreTooth License Manager. When the software is initially installed, it will have a 30 day temporary license (Aurora Edit HD) that can be used during the setup phase. It is important to run the License Request Wizard found on the system desktop in order to retrieve a permanent license. Once the permanent license is in place, you may then delete the temporary license from the License Manager application.

Licenses are requested through the License Wizard and managed through the SabreTooth License Manager, which is installed on the Grass Valley product with the Grass Valley software. The License Wizard and SabreTooth License Manager must be located on the Grass Valley product.

License information is stored in text files that you can manage just like any other file on your system. Licenses are unique to the system for which they are requested and cannot be used on any other machine. You should back up the license text files to a separate drive or as part of a recovery image.

Licenses are based on your system's unique identifier, which is partially derived from your system's Media Access Control (MAC) address. If you change your system's MAC address by performing operations such as changing the System Processor card, you must obtain a new license based on the new MAC address.

Requesting a license

Software licenses are unique to the system for which they are purchased. They cannot be used on any other system. This requires that you provide a generated unique ID for the desired system to Grass Valley, which is then used to create your unique license.

1. Log on to the device that you want to license.

   You must log in as a Windows administrator with a local account, not a domain account.

2. Open the License Request Wizard.

   Find the License Request Wizard shortcut on the Windows desktop.

   The License Request Wizard displays.

3. Read the on-screen instructions, then click **Next**.

   The Customer dialog box displays.

4. Enter the information requested on this page then click **Next**.

   You must provide a valid email address to receive your license file.

   The Sales Number dialog box displays.

5. Enter the Sales Order Number in the field then click **Next**.

   Typically the Sales Order Number is found on the Software License sheet that you received with your Grass Valley product.

   The Summary dialog box displays.

6. Review the License Request information and click **Finish**.

   A License Request text file, `License_Request_<SalesNumber>.txt`, is generated and saved to the Windows Desktop.

   NOTE: If you are requesting licenses for more than one application, be sure to modify the name of the first License Request text file before saving it to your desktop. (In Notepad, use the Save As command.) Otherwise, the second License Request text file will overwrite it.

7. Do one of the following:

   • Attach this text file to an email.

   • Paste the text directly into an email message.

   You might want to keep a copy of the message for your records.

8. Send the email as instructed by the License Request Wizard.

   An email will be sent from Grass Valley to the return email address you specified; your SabreTooth software license will be provided as a text file.

9. Save this email in case you ever need to re-image this machine.

Next add the license to the SabreTooth License Manager.

If you encounter difficulties when requesting a license

If you encounter difficulties running the License wizard, try this alternate method:

1. Generate a unique ID of the device where you will install software, as follows:
   a) Click on the License Manager icon on the Windows Desktop.

      The SabreTooth License Manager opens.
   b) Choose **File | Generate Unique Id** the License Manager.
   c) Click **Copy to clipboard** to copy the generated ID, and **OK** to exit.

2. Prepare an email that includes the following information:

- Customer Name
- Customer Email
- Sales Order Number
- Unique ID of the device where you will install software.

3. Send the email to AuroraLicenses@grassvalley.com.

The SabreTooth license number will be emailed to the email address you specified.

Adding a license

Your software license, `Licenses_<SalesNumber>.txt`, is provided as a text file. Use the License Manager to add this file to your system and enable the desired feature.

1. Click on the License Manager icon on the Windows Desktop. The SabreTooth License Manager opens.

   The SabreTooth License Manager opens.

2. Do one of the following:

   - Choose **File | Import License** and navigate to the file location to open the text file.
   - Drag and drop the text file onto the License Manager.

   You will now see the permanent license in SabreTooth, as well as any other licenses, permanent or temporary, that have been installed on this machine.

Once you have added the permanent license, you can delete the temporary license. If the temporary license is still in SabreTooth you will continue to get temporary license notifications, even with the permanent license installed, unless you delete the temporary license.

You should save the permanent license to a backup system.

Deleting licenses

Deleting a license disables the feature that it enabled. You might want to delete a temporary license prior to its expiry if you have decided not to purchase the feature. You can delete a temporary license after the permanent license has been installed without disabling the licensed product.

1. Select the license in the SabreTooth License Manager.
2. Use the Delete key on your keyboard or right click with your mouse and select **Delete**.

Archiving licenses

You can archive your licenses to a secure external location. This allows you to quickly re-install a license should it be deleted or should you have to downgrade and then the licensed software. You can archive multiple licenses at the same time.

NOTE: If you downgrade to an earlier version of the licensed software, make sure to archive the licenses first.

1. In the SabreTooth License Manager, select the license or licenses.
2. Choose **File | Export License** to open the Save As dialog box.
3. Assign a meaningful name to the file, and save it to the desired location. Grass Valley recommends saving the license file to a USB drive or other external location.

Additional notes

The following sections contain addtional information about this release.

Modified and new hot keys

Hot keys for the following functionality have changed or are new with this release:

- Match Frame to Bin – **M**
- Match Frame to Source – **Shift + F4**
- View Search Results – **>**
- Find – **?**
- In the Video Effects view:

  - Insert Keyframe – **Ctrl + Insert**

- In the MediaFrame metadata view:

  - Add Keyword – **F3**
  - Add Keyframe – **Insert**
  - Automark Keyword – **F4**

The following topics highlight the modified and new hot keys. Use these topics rather than those in the *Aurora Edit User Guide*.

The Aurora Edit keyboard

Aurora Edit's keyboard uses color-coded keys that correspond to Aurora Edit functions, allowing you to edit more quickly and easily.

Editing and clip/track selection keys

The yellow keys perform cut point edits. The gray keys select the different edit modes. The peach keys select clips and tracks on the Timeline.

Additional notes

Icon	Key	Name	Function
←]→	T	Trim Mark Out	Trims the Out point in the Cut Point Edit Tool; changes the duration of the sequence (Edit HD only)
←[→	Y	Trim Mark In	Trims the In point in the Cut Point Edit Tool; changes the duration of the sequence (Edit HD only)
←][→	U	Trim Both	Trims both the In and Out points in the Cut Point Edit Tool; doesn't change the duration of the sequence (Edit HD only)
⇒	F9	Overwrite Mode	Allows you to overwrite clips to the Timeline
⇒	F10	Splice Mode	Allows you to splice clips to the Timeline
⇓	F11	Fit To Fill	Lets you create fit to fill clips
↘▢▢▢	C	Copy To Timeline	Copies selected clips from Bin as well as Timeline clip sources to the Timeline. In the Record to Bin window, adds a clip to the Batch Capture list.
←	M	Match Frame to Bin	Matches the selected frame in the Timeline to the exact frame in the Bin and becomes the Clip Source
▢→	<	Select Next Clip	Selects the next clip in the sequence
↑	>	View Search Results	Displays the results bin for Aurora Edit searches (not MediaFrame searches)
↓	?	Find	Searches for assets within the Aurora Edit database (not the MediaFrame Asset Management database)

Mark point keys

The dark purple keys set and control the mark In and Out points.

Icon	Key	Name	Function
▼1	F3	Add Keyword (in MediaFrame)	Adds a keyword into the MediaFrame metadata view for quick recall throughout the system
▼2	F4	Automark Keyword (in MediaFrame)	Automatically marks a keyword from the current position of the cursor along with a configurable duration. The duration is set though the settings option with the MediaFrame metadata view.
✂	F5	Cut Mark In Refresh	Cuts the beginning of the clip (the top) off the selected clips on the Timeline; in the Bin, refreshes bin folders and displays any newly imported files
✂	F6	Cut Mark Out	Cuts the end of the clip (the tail) off the selected clips on the Timeline
◥←	F7	Go to Mark In	Moves to the Mark In point
→◢	F8	Go to Mark Out	Moves to the Mark Out point
◥	I	Mark In	Marks an In point
◢	O	Mark Out	Marks an Out point
◲	P	Clear Mark In	Clears the In point
◿	[	Clear Mark Out	Clears the Out point
←[]→	V	Extend Edit	Extends an edit past the end of the clip using handles
CTL	B	Timecode/Control Track	Toggles between Timecode and Control Track modes

Icon	Key	Name	Function
	N	Reset Control Track	Resets the Control Track to 00:00:00:00

Other Aurora Edit keys

The green and black keys perform miscellaneous editing functions.

Icon	Key	Name	Function
	F2	Send	Lets you send a clip or sequence to another destination
	9	Input Tools	Lets you adjust the Audio EQ in a clip while it is recording (Aurora Edit HD only)
	0	Collapse Sequence	Collapses a clip in a sequence to close a gap between media
	]	Lift Selection	Lifts the selected clip out of the sequence, leaving black and silence
	\	Split Clip	Splits the selected clip at the cursor point
Pause / Break	Pause	Enable Vary Speed	Enables variable speed controls in the Source Tool

Icon	Key	Name	Function
Insert	Ctrl + Insert	Insert Keyframe	In the Video Effects Tool, adds a keyframe to the currently selected effect
Home	Home	Go to Start	Moves the position to the beginning of a clip or sequence
Page Up	Page Up	Previous Vary Speed	In the Source Tool or Trimmer, selects the previously set variable speed
Delete	Delete	Delete Selection	Deletes the selected clip from the Bin or Timeline
End	End	Go to End	Moves the position to the end of a clip of sequence
Page Down	Page Down	Next Vary Speed	In the Source Tool or Trimmer, selects the next variable speed
←	Left arrow	Shuttle Rewind	Shuttles left in increments of -50%, -75%, -1x, -2x, -3x
→	Right arrow	Shuttle Fast Forward	Shuttles left in increments o +50%, +75%, +1x, +2x, +3x
↑	Up arrow	Shuttle Default Speed	Resets the shuttle speed to its default speed
↓	Down arrow	Shuttle Prevous Speed	Selects previous shuttle speed
←	Numberpad 4	Move Clip Left 1 Frame	Moves the selected clip on the Timeline backwards one frame
→	Numberpad 6	Move Clip Right 1 Frame	Moves the selected clip on the Timeline forward one frame

Keyboard shortcuts

Keyboard shortcuts let you perform tasks more quickly and efficiently by using the keyboard instead of pointing and clicking with the mouse.

Aurora Edit keyboard shortcuts

To do this...	Use this key...
Collapse a sequence	0
Copy an area	
Cut an area	
Cut a mark in point	F5
Cut a mark out point	F6
Delete an area	Ctrl + Del
Delete a selection	Del
Deselect all	Shift + D
Extend an edit	V
Insert filler	Ctrl + Shift + F
Lift an area	Ctrl +]
Lift a selection	]
Match frame to Bin	M
Match frame to source	Shift + F4
Mixdown selected	Shift + M
Move a selection	Ctrl + M
Render all	Shift + V
Render selected	Ctrl + Shift + R
Select all	Shift + S
Split a clip	\

Video effects keyboard shortcuts

To do this...	Use this key...
Add an effect	Shift + 8
Delete all keyframes	Shift + Del

To do this...	Use this key...
Insert a keyframe	Ctrl + Insert
Modify all keyframes	Shift + insert
Modify a keyframe	Alt + insert
Next keyframe	Page down
Previous keyframe	Page up
Run the effect	Ctrl + W

MediaFrame keyboard shortcuts

To do this...	Use this key...
Add Keyword	F3
Add Keyframe	Insert
Automark Keyword	F4

Operation considerations

The following sections contain addtional information about operating your product systems.

Anti-Virus software

If you have Anti-Virus software installed on systems running Aurora Edit, it should be configured to skip the following media file types:

*   *.key, *.yuva, *.hdr, *.idx, *.tc, *.vid, *.pcm, *.exp

Failure to do so can adversely affect performance in Aurora Edit.

use of Trend Micro OfficeScan is not recommended, since it severely degrades system performance, resulting in dropped frames.

Audio

HP has released an updated Realtek sound driver for the xw8400 (v5.10.0.5433) that resolves an audio quality problem. It can be found here:

```
http://h20000.www2.hp.com/bizsupport/TechSupport/
SoftwareDescription.jsp?lang=en&cc=us&prodTypeId=12454&prodSeriesId=
1844968&prodNameId=1844969&swEnvOID=1093&swLang=13&mode=2&taskId=
135&swItem=wk-51920-1
```

Aurora Conform Server

When sending a job that has effects that require rendering from Aurora Edit to the Conform Server, the process will be slower than Aurora Edit. Some effects, such as blurs or resizes, take much longer in the Conform Server due to hardware limitations.

COM ports

*   Note that COM1 and COM2 on the DNP systems are reserved by default for external GPI devices. However, these can be changed to 422 communication ports by deselecting the **Reserve COM1 and COM2 for GPIO** checkbox within the Tools | Options dialog of Aurora Edit. The Comtrol COM ports use COM3 and COM4 for 422 communications by default.
*   When using either COM3 or COM4 to connect to an External Control Device, a dipswitch on top of the Comtrol Card must be toggled to the "out" position for the corresponding COM Port. Comtrol switches 1 and 2 belong to COM Ports 3 and 4 respectively.
*   When setting up an external control device on the Controller tab in Tools | Options, be sure to allocate a COM port that is not currently in use by a source VTR.

Display

- Aurora Edit is designed to run in the Windows Classic theme with a screen resolution of 1280x1024 for standard configurations and 1280x800 for laptop configurations.
- The refresh rate of the monitor should be set to 60Hz.
- For reliable operation, Windows fade effects must be disabled through the display properties. To do this, go to the Appearance tab within Display Properties and deselect the **Use the following transition effect for menus and tooltips** checkbox within the Effects tool. Doing this will reduce the potential of disrupting records through minimizing and maximizing application windows during recording.
- It is not recommended that systems, either tower or laptop, use hibernation mode as a means to conserve power when Aurora Edit is active.

Dual monitor

- When using dual monitor displays, it is recommended that the full screen video be set up to display on the 2nd monitor rather than on the primary display.
- Due to system resource limitations, when using the Chyron Title Tool with dual monitor displays, you need to change a setting with the video card:

  1. Open Display Properties.
  2. Select **Settings** , then **Advanced**.
  3. Select the Quadro Card tab.
  4. Select **Start the NVIDIA Control Panel**.
  5. If prompted for **Advanced Settings or Standard Settings**, select **Advanced Settings** and then select **OK**.
  6. On the left hand panel, expand **3D Settings** and select **Manage 3D Settings**.
  7. On the right hand panel, select **Global Settings**, then select **Base Profile**.
  8. Under **Settings**, scroll down to find **Unified back/depth buffer**. Select it and change the value from On to **Off**.
  9. Select **Apply**.

- When using 720p and HDR, dual monitor mode is disabled as resources needed for processing the additional signal are unavailable.

Edit LD automatic login

To avoid logging in each time you launch Aurora Edit LD, configure your machine for automatic login:

1. Open Internet Explorer, then go to **Tools | Options**.
2. Click the Security tab and select **Custom Level**.
3. Scroll to the bottom and select **automatic logon with current username and password**.
4. Click **OK**.

Edit LD playback

When playing to the end of a currently recording file, playback may pause or flash as video is updated within the player.

Edit LD video card

An incompatible video card will display the following symptoms after you launch Aurora Edit LD:

• The Timeline Video Display will be grayed out. No clips can be loaded into the Timeline or Source Tool.
• The Timeline Video Display will be black even after a clip is loaded into the Source Tool or a sequence is opened from the bin.

Edit LD Windows event viewer

Aurora Edit LD 6.5 automatically sets the Windows Event Viewer application and the System Log to **Overwrite Events as Needed**.

HP BIOS settings

• Aurora Edit SDR/HDR models

   • If you are installing Aurora Edit SDR/HDR 6.5.1.440 on an HP xw9300, you **must** make the following BIOS change for proper operation. Failure to do so will result in stuttering audio and video and dropped frames.

      NOTE: This does NOT apply to the HP xw8400.

      1. Verify that the SDR/HDR I/O board is installed in slot 6 of the xw9300 (bottom most slot).
      2. Turn on the xw9300 and press **F10** to enter the BIOS setup.
      3. Select **Advanced | Slot 6** (PCI-X 133) and press Enter.
      4. Select Slot 6 Latency Timer, and change it from Default to **224**.
      5. Press **F10** to accept.
      6. Select **File | Save changes** and press Enter.
      7. Press **F10** to accept. The system will restart.

   • If you are installing Aurora Edit HDR on an HP z800, you **must** make the following BIOS change for proper operation. Failure to do so may result in dropped frames.

      1. Turn on the z800 and press **F10** to enter the BIOS setup.
      2. Select **Power | OS Power Management** and press **Enter**.
      3. Select **Idle Power Savings** and change it from **Extended** to **Normal**.
      4. Press **F10** to accept.
      5. Select **File | Save changes** and press **Enter**.
      6. Press **F10** to accept. The system will restart.

• Aurora Edit SDFX/HDFX models

   • If you are installing Aurora Edit SDFX/HDFX 6.5.1.440 on an HP xw9300, you **must** make the following BIOS change for proper cooling. Failure to do so may result in overheating, which can cause unpredictable behavior and possibly hardware failure.

      1. Turn on the xw9300 and press **F10** to enter the BIOS setup.

2. Select **Advanced | Thermal** and press Enter.
3. Select **Full Speed Chassis Fans**, and change it from Disable to **Enable**.
4. Press **F10** to accept.
5. Select **File | Save changes** and press Enter.
6. Press **F10** to accept. The system will restart.

• If you are installing Aurora Edit SDFX/HDFX 6.5.1.440 on an HP xw8400, you **must** make the following BIOS change for proper cooling. Failure to do so may result in overheating, which can cause unpredictable behavior and possibly hardware failure.

1. Turn on the xw8400 and press F10 to enter the BIOS setup.
2. Select **Power | Thermal** and press Enter.
3. Select **Fan Idle Mode**, and change it from 1 bar (minimum) to **7 bars** (maximum).
4. Press **F10** to accept.
5. Select **File | Save changes** and press Enter.
6. Press **F10** to accept. The system will restart.

Hyper Threading

Hyper Threading should be disabled for Intel processors that support this feature. This is typically controlled via the system BIOS. Performance tests with Aurora Edit have consistently demonstrated a decrease in overall performance when Hyper Threading is enabled.

Long-GOP MPEG media

Aurora Edit version 6.5 adds support for long-GOP MPEG clips. Previous versions of Aurora Edit did not support long-GOP MPEG clips. While mixing Aurora Edit 6.3 and 6.5 client systems is not recommended, customers choosing to do so should be especially careful not to open long-GOP clips, or sequences that contain long-GOP clips, in Aurora Edit 6.3, since unpredictable behavior will occur. Likewise, customers who choose to revert back to Aurora Edit version 6.3 after installing and running Aurora Edit 6.5 should be careful not to open long-GOP clips, or sequences that contain long-GOP clips, in Aurora Edit 6.3.

Microphone Recording

When you record to Timeline using a microphone source, the first few frames of the sound recording incorrectly includes sound from the Timeline. This is because Windows, by default, feeds the sound card output back into the input.

To change the Windows setting and correct this problem:

1. Go to **Start | Settings | Control Panel | Sounds and Audio Devices** .
2. b. Click on the **Audio** tab.
3. Under Sound recording, click on **Volume**.
4. On the Recording Control dialog, select **Mute** for the Stereo Mix source.

If the Stereo Mix source is not shown, go to **Options | Properties**, click to select the Stereo Mix source and click **OK** .

5. Exit the window.
6. Click **OK** to exit Sounds and Audio Devices.

Networking

• When using a Gigabit Ethernet card with an HP system, you must install this card into a PCI Express or PCI-X slot to avoid conflict with the 1394 controller on the motherboard.

• Windows XP Service Pack 3 automatically configures a Windows Firewall for the client. For clients attached to networks with an existing Firewall, it is recommended that you disabled this Windows Firewall. For those without an external Firewall, individual ports may need to have restrictions lifted as Windows will block the unknown connection. To unblock a port, go to **Start | Settings | Control Panel | Security Center | Windows Firewall | Exceptions** and add Aurora Edit to the firewall exceptions.

• DNP systems utilize both TCP and UDP ports during normal operation. The following ports, or groups of ports, are typically in use and should be kept available:

  • 1027-1028, 1041-1057, 1067, 1099, 1104, 1117-1119, 2895, 4068, 4954, 4990-4992, 5800, 5900, 16090, 34571-34573, 49168-49169.

  For a list of additional TCP and UDP port numbers that are used by Windows, see the services.txt file in the System32\Drivers\Etc folder.

Performance

• The recommended Virtual Memory Allocation for all DNP systems is 2046 MB (set at the Grass Valley factory).

• To improve system performance, adjust this setting:

  1. Right-click on My Computer and select **Properties**.
  2. Click the Advanced tab.
  3. In the Performance area, click **Settings**.
  4. Click the **Adjust for best performance** radio button.
  5. Click **OK**.

Removable Media

When importing removable media from XDCAM in View as Tape mode, it will be considerably slower than real time if the removable media is comprised of a large number of clips. The number of clips directly affects the speed of the import. It is recommended that you mark and import only the sections of video that you need, rather than importing the entire duration of the source media.

XDCAM

When inserting an XDCAM disk or Panasonic P2 disk into the system, Windows may begin an autorun session, which will pop up a windows explorer dialog by default.

To disable the autorun session:

1. Go to **Start | Run** and type in *gpedit.msc*.
2. Go to Administrative Templates.
3. Click **System**.
4. In the right hand pane, open **Turn off AutoPlay**.
5. Select **CD-ROM drives** in the dropdown menu.
6. Select **Enable** and click **OK**.

System Imaging Software

Aurora systems use Acronis imaging software, version 3647, which allows you to back up your system. When the system boots using Acronis Imaging software, select either Safe Version, Full Version, or boot into Windows.

Safe version should normally be used to restore or create the C:\ partition from the backup partition, drive F:\.

Full version loads additional USB drivers, which allows a user to backup or restore with a USB drive. However, the boot process hangs unless the following parameters are entered prior to selecting Full Version:

1. Press **F11**.
2. Change the boot parameters from *quiet* to *quiet acpi=off noapic*.
3. Click **OK**.
4. Select the **Full Version to load True Image**.

NOTE: Acronis imaging software recognizes Rev Pro drives.

Database Backup

Several command-line utilities are available for maintenance of the News database that is used by Aurora Edit. These utilities automatically install on DNP machines that host shared or embedded instances of the News database.

The utilities can be found in the `\DB Maintenance\` subdirectory for the respective Aurora Product under the `C:\Program Files\Grass Valley\Aurora` directory. They must be run from the `\DB Maintenance\` subdirectory of the machine whose database is being operated upon. The user must be a member of the system's Administrators group. For a local, stand-alone machine, run the utilities at that workstation. For the central News database of a shared storage system (NewsShare), run the utilities at the DSM.

Detailed instructions accompany the command-line utilities in the `NewsDatabaseUtilities.htm` document.

Known Issues

The following limitations are present in this release of software. If you wish to obtain more information about these limitations, please mention the reference numbers.

1394

When using multiple 1394 devices for input into Aurora Edit, the Firewire connections must not be going through the same interface card. You may use the onboard 1394 input along with an additional Firewire card for this operation.

NOTE: XDCAM in FAM mode does not count as a 1394 Input device.

Apple Final Cut Pro integration

These are known issues with using Apple Final Cut Pro with Aurora Edit:

* The Final Cut Pro plug-in is only qualified with the Macintosh Leopard OS.
* Quicktime .mov files are limited to 59 characters in length per Apple limitations.
* When using the Media Services Test Application to generate .mov files for previously recorded clips in Aurora Edit, the login to the system must be done as Administrator. (51300)
* The Final Cut Pro export directories may not be fully purged by SmartBins after media have been imported to News. These directories must therefore be scanned and purged manually on a regular basis.
* Despite having successfully imported a movie to News, the SmartBins Event Log will post the nuisance error "CMediaImport::HandleImport(): CreateVMF() failed for file: <movie name>.xml. hr=0x80040200".
* When connecting a Macintosh computer to a K2 SAN, the Macintosh computer must currently be connected via CIFS.

    NOTE: CIFS connections will not adhere to the security scheme that you may have set within SNFS controlled Edit clients.

* Playing HD long-GOP DV100 media in Aurora Edit 6.5 from shared storage via CIFS connect from Final Cut Pro may result in choppy playback. Copying the media locally will help resolve this issue.
* When using the Grass Valley plug-in for Final Cut Pro, you cannot send a clip with the same name as one that already exists in a monitored bin. (84176)
* The "Wink Quicktime files" option instructs SmartBins to wink Quicktime files generated by K2 when clips are winked to the News system. This option should not be used if Final Cut Pro is connected to the storage via CIFS due to an SNFS limitation.

For additional help with Final Cut Pro Integration, refer to the *Aurora Edit Installation and Configuration Guide* found in `C:/Program Files/Grass Valley/Aurora Edit/Docs`.

Aurora Edit models HD/HDR

CR96329	Description:	A JPEG2000 clip only displays one field in 1080i playback.
	Workaround:	Aurora Edit models HD/HDR are unable to play a single JPEG2000 full-resolution clip in real time.

Aurora Edit LD

CR105624	Description:	Aurora Edit LD thumbnails display as "Media Not Available". This occurs if the graphic is on the V: drive, yet the V: drive is not connected to the Aurora Edit LD computer.
	Workaround:	To display thumbnails of graphics on the V: drive, you must map the V: drive on the Aurora Edit LD computer.
CR106275	Description:	Graphics on Aurora Edit LD timeline display as black. This occurs if the graphic is on the V: drive, yet the V: drive is not connected to the Aurora Edit LD computer.
	Workaround:	To display graphics on the V: drive on the Aurora Edit LD timeline, you must map the V: drive on the Aurora Edit LD computer. However, these graphics can be added to the timeline and conformed on send, even when the V: drive is not connected.
CR106260	Description:	Aurora Edit LD Story line highlight feature becomes unresponsive during playback. This occurs after an edit of a timeline with a linked story.
	Workaround:	Close and re-open the sequence to reset the Story view.

Aurora Edit models SDFX/HDFX

CR77369	Description:	Aurora Edit fails to start if the input signal is corrupt.
	Workaround:	Verify all cables are terminated if using a split signal.
CR81517	Description:	A limitation in the SDFX/HDFX I/O card generates a bad signal in the VGA when using a 1080i source with 720p video settings. You are able to record this bad signal and use it.
	Workaround:	Verify that video settings in Aurora Edit are correctly set to 1080i.
CR82354	Description:	Play to tape inconsistent with mark IN points.
	Workaround:	None
CR82652	Description:	HDSDI output from HDFX to a Sony HDXDCAM deck with firmware 1.62 there is no audio.
	Workaround:	None
CR83022	Description:	Aurora Edit may not launch if running under a non Administrator account.

	Workaround:	Modify the registry file HKEY_LOCAL_MACHINE	System	CurrentControlSet00X	Enum. Then apply Read permission to Everyone to the Enum key under CurrentControlSet00X. Make the registry change as an administrator and then log in as the non-admin and it should work fine.

Aurora Edit models SDR/HDR output

CR66408	Description:	Negative varispeed video displays field swapping on the external monitor during play preview.
	Workaround:	Rendering the varispeed video will show proper field order.
CR71317	Description:	Playback of some effects, such as blur, may be choppy.
	Workaround:	Rendering the blur will alleviate the choppy playback.

Aurora stream setup

CR94561	Description:	After adding a new Aurora Edit system to a K2 network, the System Self-Test fails with the error, "Stream Count Not Set", even though the bandwidth setting from the K2 server is correct.
	Workaround:	Run AuroraStreamSetup.exe, verify that the bandwidth setting is correct, and re-run the System Self-Test.

Bin behavior

CR69438	Description:	Switching to 16:9 thumbnails during a record will result in a thumbnail that says "Media Not Available" for the currently recording clip.
	Workaround:	Record the clips first and then switch to 16:9 thumbnails if that aspect ratio is desired.
CR91413	Description:	When you rename a clip in Aurora Edit, the corresponding logical asset does not rename so that it appears when you browse for it.
	Workaround:	Media management should be done using MediaFrame.

Caching

It is not recommended that the local cache folder be deleted manually. The cache will self-regulate according to space within the drive. Tampering with the cache media drive or the cache folders is not supported.

CR80209	Description:	The first play of an uncached clip may result in brief play stutter.
	Workaround:	Once played, the subsequent playback efforts should be successful.

Effects

CR37062	Description:	When placing an effect over an unrendered transition, which resides over a cut point of an unrendered vary speed clip, the transition may stutter upon playback.
	Workaround:	Rendering the transition will resolve the problem.
CR106515	Description:	If an effect is placed over an unrendered vary speed clip within the timeline, the field interpolation will be disabled and the vary speed clip will play back as frame based.
	Workaround:	Rendering of vary speed clips will always use field based interpolation.
CR73848	Description:	If an effect is placed over an unrendered vary speed clip within the timeline, the field interpolation will be disabled and the vary speed clip will play back as frame based.
	Workaround:	Rendering the effect will allow the system to process the video and audio properly when playing back.
CR82536	Description:	There are size and shape differences between odd shape resizes and drop-shadows between the SD/SDR/HD/HDR and SDFX/HDFX.
	Workaround:	None

External jog/shuttle controller

The JLCooper ES-450 external controller with Sony knob is currently supported using the version 1.04 or 1.05 controller chip.

CR20980	Description:	The JLCooper ES-450 external controller will occasionally lose its communication with Aurora Edit.
	Workaround:	The controller must be power cycled in order to regain its connection.
CR50736	Description:	The +1/-1 buttons on the controller may creep if the Drop Frame/Non Drop Frame settings of the tape and Aurora Edit do not match.
	Workaround:	Tape timecode should match the current settings found within Tools/Options of NewsEdit.
CR50763	Description:	Some VTRs do not respond properly to the external controller's +1/-1 frame requests.
	Workaround:	Hold the Shift key of the external controller down while clicking on the Stop button. This changes the mode of the controller from Slow Mo Step Mode to Cue Up Step Mode.

Graphics

It is recommended that graphics placed adjacent to one another on the timeline do not have durations of less than 5 frames.

CR39360	Description:	Some graphics that get placed on the timeline and played back may display field swap issues.
	Workaround:	Right click the graphic in the Timeline and adjust the Y position by .01. Hit OK and play the graphic again.
CR106516	Description:	Playing back HD graphics may result in choppy playback.
	Workaround:	Rendering the graphic resolves the issue.

HP xw9300 workstation

CR99235	Description:	When using Aurora Edit on the HP9300 platform, HD record to timeline can experience output audio drop-outs (hiccups) due to known performance limitations of the platform. In this case, the record audio is fine when played back. In extreme cases, audio can be dropped on the input and the user will get the message that "Frames were dropped during record due performance limitations."
	Workaround:	Record the media to bin and then add it to your timeline.

Import/Export media

Exchanging 1080i .avi files with the K2 Media Client is not supported.

CR48622	Description:	Importing media directly off of a CD can result in a failure.
	Workaround:	Import the media onto the local hard drive and then try importing from that location.
CR80136	Description:	Imports of WM9 files may lead to incorrect durations.
	Workaround:	Using Aurora Edit Profiles found within the options pages of the WM9 import dialog.
CR79063	Description:	On some systems, 1080i media fails to export as .asf.
	Workaround:	The qasf.dll should be from 8/4/2004. This can be found in C:\Windows\System32. Contact customer support for more information.
CR83236	Description:	Aurora Edit crashes while trying export any 1080i/SD MPEG2/IMX clip as .mov file type. This is due to using the Quick Time 7.1.5.120 version installed on the X8400 HP.
	Workaround:	Uninstall this version of Quick Time and use version 7.0.4 which is packaged with Aurora 6.3.
CR85928	Description:	Importing a section of a long HD XDCAM clip failed.
	Workaround:	In Aurora Edit 6,5, two demo files from Main Concept for the upcoming release were removed. This will cause any Media Import/Export operation that requires a DVCPRO25, DVCPRO50, or DVCPRO100 transcode to fail. The editor will get a dialog to this effect.

Laptop Dell 820

When using FAM mode for XDCAM file import, the Dell 820 laptop will fail the import when the 4 pin onboard Firewire port is used. This is a problem with all Firewire file transfers with this version of Dell Laptop. It is recommended that a 6 Pin 1394 PCMCIA card be used for this type of Firewire transfer.

NOTE: AV/C control is not affected by this issue.

Please contact customer support for additional information.

Licensing

CR102883	Description:	Fail to connect to license server on Edit as non-admin login. This occurs if working in a shared environment on a workgroup (not a domain).
	Workaround:	Add "anonymous login" on the DCOM config license server on the DSM as follows: 1. From the DSM Windows desktop click **Start | Settings | Control Panel | Administrative Tools | Component Services | Computers | My Computer | DCOM Config**. 2. Right-click **License Server** and select **Properties**. 3. On the **Security** tab, under the **Customize on Launch and Activation Permission** area, add anonymous logon. 4. Check **Allow for all listed permissions**. 5. Click **OK**.

Link To Story

CR72952	Description:	When linked to iNEWS scripts, Story View window sometimes gives an Internet Explorer script error. Re-sizing of this window can cause this to happen.
	Workaround:	Go to Windows **Display Properties | Appearance | Effects...** and turn off the **Show Window Contents While Dragging** option.

Long-GOP media

CR96727	Description:	When exporting a sequence as AAF, with rendered long-GOP material, the Consolidate and Embed options are greyed out.
	Workaround:	Long-GOP consolidation is not supported in Aurora Edit 6.5, so the Consolidate and Embed options are unavailable.
CR98432	Description:	Long-GOP clips created in Aurora Edit 6.5 are incompatible with Aurora Edit 6.3, and Aurora Edit 6.3 will crash when trying to load a long-GOP clip created by Aurora Edit 6.5.

	Workaround:	Long-GOP is not supported in Aurora Edit version 6.3, so you cannot use clips created in Aurora Edit 6.5 if you revert back to version 6.3.

Lyric trial software

In addition to the CD containing the Plug-in and the Bit stream Fonts CD, your purchase includes a CD containing a trial version of the full Lyric application. During installation, the system will call for a license code. Enter this sequence of characters: ZIRSCUCVF4OQPMXKJQ39V37ZLEVXFSD33E8WW9ZP

NOTE: This trial version of the Chyron Lyric software is not the plug-in for Aurora Edit and should never be installed on an Aurora Edit system.

The license is good for 60 days. If you wish to purchase the latest version of the full Lyric application, contact Chyron Customer Service at 631-845-2132. A copy of the Lyric Handbook will accompany the software.

CR32580	Description:	Undo removes elements from graphics templates.
	Workaround:	Reload the original template.
CR42775	Description:	Configuring a .lyr file to be read-only prevents Aurora Edit from opening templates from that directory.
	Workaround:	Lyric templates should not be configured to be read-only.
CR106517	Description:	If using Chyron Title Tool within a dual monitor environment, renders will fail if the monitor resolution is set to higher than 1280x1024.
	Workaround:	Set resolutions to 1280x1024.
CR101144	Description:	After uninstalling Chyron Title Tool plugin, OMFObject.dll and TBMSlogger.dll no longer register. Systems that have never had Chyron installed do not have this issue.
	Workaround:	Reinstall Chyron.

MediaFrame

CR106170	Description:	When configuring an MDI, using the IP address for the DSM location instead of the DSM name results in connection difficulties.
	Workaround:	Always configure MDIs with the name, not the IP address.
CR105665	Description:	In the MediaFrame Event Log, the News MDI can report an event for a non-existent object in the assetEventList.
	Workaround:	When convenient, restart the "GV News Share MDI" service.

MobilePre

CR82288	Description:	When using the MobilePre for voice/audio recordings, Windows makes it the default capture device AND the default

playout device. This should be only used for audio capture and not for playout.

Workaround:	Disable Playout options for the MobilePre.

Panasonic P2

The Panasonic P2 driver must be loaded in order for P2 media to work properly on the Aurora Edit station.

USB 2.0 is required for the station using Panasonic P2 media. If the on-board USB is currently 1.0, an additional USB 2.0 card must be installed in order for this feature to work properly.

Playback

CR67175	Description:	Playing back HD media while the application is currently set to SD within Tools/Options leads to slightly murky video output for the HD material.
	Workaround:	Configure the application's record settings to HD.
CR92603	Description:	Using two streams in an unrendered HD AVC-Intra sequence results in skipped frames on playback.
	Workaround:	Rendering effects fixes the problem.

Play to tape

CR85414	Description:	The first frame is doubled when playing to tape.
	Workaround:	None at this time.

Recording to Timeline

CR81820	Description:	Intermittent flash frame with record to timeline (SDR/HDR/SDFX/HDFX). Set up an in point on a tape that is the first frame after a scene change. Go to the timeline and set an in point in the middle of a clip or in filler. Record to timeline. Notice that you see a flash frame of the scene before the in point on the tape.
	Workaround:	None
CR80923	Description:	Timeline pointer skips ahead a couple of frames when reaching the IN mark of a record to timeline (SDFX/HDFX)
	Workaround:	None
CR92196	Description:	When you are recording to a Timeline while you also have a Record to Bin window open, you may get a Src Filter error. This may indicate insufficient bandwidth on shared storage or poor disk performance on local storage.

	Workaround:	Close the Record to Bin window before recording to the Timeline.
CR95207	Description:	If you click on the Storyboard while recording to the Timeline, recording stops.
	Workaround:	Restart your recording.

Removable media

CR88477	Description:	Playing a clip from a REV disk after it has been ejected hangs the Aurora Edit application.
	Workaround:	None
CR94330	Description:	XDCAM 720p clips don't open in the Removable Media Bin.
	Workaround:	720p HD XDCAM is not supported in Aurora Edit 6.5.

Rendering

Faster than real-time variable speed clips may require rendering. If rendering has not been done, the video output will be replaced by a "Media not Available" slate. This will not occur if the clips have been cached locally.

CR97642	Description:	When rendering a clip with an Alpha Channel, the aspect ratio conversion doesn't get saved.
	Workaround:	Graphics and animations should be created in the same format as the Aurora Edit timeline.

Second video display - Edit LD

CR96329	Description:	A JPEG2000 clip only displays one field in 1080i playback.
	Workaround:	Aurora Edit models HD/HDR are unable to play a single JPEG2000 full-resolution clip in real time.

Sending sequences

CR91896	Description:	When sending a sequence to a K2 system with a non-supported format, Aurora Edit displays a Server Busy message for DV100, AVC-Intra, and JPEG2000 GXF transfers, and never completes; the operation is eventually aborted.
	Workaround:	Only use supported formats.

SmartBins

In order for SmartBins to be successful, the SmartBin server must have the shared drive locations mapped.

When changing a SmartBin within Aurora Edit from a Transfer SmartBin to a Shared SmartBin, you need to restart the SmartBin Service in order for the change to take effect.

The SmartBin service will occasionally display an error when stopping and restarting the service. To resolve this, simply restart the service once again.

CR44044	Description:	Cancelling a transfer to a destination bin is being monitored as a DNP SmartBin can result in black at the end of the clip residing in the Aurora Edit.
	Workaround:	Cancelling transfers to bins that are monitored as SmartBins is not recommended. Allow the transfer to complete and then delete the clip from the media client.
CR43144	Description:	Making changes to the SmartBin Setup Tool while files are currently transferring stops the transfers.
	Workaround:	Wait until all files have transferred prior to changing the SmartBin setup.
CR43245	Description:	Zero length clips within the SmartBin will report incorrect video compression data until the clip's duration begins to grow.
	Workaround:	Clips with zero length will not be available for use within Aurora Edit. Once the file reaches 25 seconds in length, it will ready for use.
CR34804	Description:	Renaming a media client bin that is currently being monitored as a SmartBin can lead to SmartBin disconnects in the NewsShare database.
	Workaround:	Renaming bins that are monitored as SmartBins is not recommended.
CR85250	Description:	MOV files without corresponding XML files don't work in Media SmartBins.
	Workaround:	None
CR88960	Description:	Transfer SmartBins do not preserve the discontinuous timecode track.
	Workaround:	None at this time. The first frame of the timecode from the source clip is preserved and the timecode is continuous after that.
CR94982	Description:	Media Import SmartBins fail when a non-DV sequence is sent from Apple's Final Cut Pro application.
	Workaround:	Use K2 Hotbins.

Sony XDCAM

The Sony XDCAM FAM driver must be loaded in order for XDCAM media to work properly on the NewsEdit station. HD XDCAM clips cannot be viewed prior to importing. To import, simply drag and drop the HD XDCAM media directly in the destination bin.

CR53600	Description:	Disconnecting the 1394 connection to the Aurora Edit system while clips are importing from XDCAM leads to an application error.
	Workaround:	Don't disconnect the 1394 source while using the XDCAM.
CR106519	Description:	When an XDCAM clip is open in either the bin trimmer or clip source, the XDCAM disk will not eject from the device.
	Workaround:	Close the bin trimmer or load a non-XDCAM clip into the clip source. Once the XDCAM is not in use, the disk will eject. Hitting refresh (F5) on the XDCAM bin will also clear the clip source.
CR106520	Description:	Recording to timeline with XDCAM may result in choppy playback of the XDCAM material as it plays to the timeline. This occurs more with higher bit rates such as IMX 50 and IMX 40.
	Workaround:	Copying directly to timeline, instead of recording to timeline, bypasses the issue. Note that the result of the record to timeline will not be choppy as the clip import will succeed regardless of play performance.
CR79687	Description:	Dragging and dropping XDCAM clips of varying formats to the bin at the same time may result in incorrect Compression Format.
	Workaround:	Importing them individually will result in proper formats.

When using FAM mode for XDCAM file import, the Dell 820 laptop will fail the import when the 4 pin onboard Firewire port is used. This is a problem with all Firewire file transfers with this version of Dell Laptop. It is recommended that a 6 Pin 1394 PCMCIA card be used for this type of Firewire transfer.

NOTE: AV/C control is not affected by this issue.

Please contact customer support for additional information.

Sources/Recording

CR29334	Description:	Switching an external SDI router while recording, may cause video and audio to be asynchronous.
	Workaround:	Don't switch external SDI signals while recording.
CR38987	Description:	Records may become corrupt when disk space on the SAN reaches very low levels.
	Workaround:	Don't allow the SAN to exceed 90% capacity during normal operation.

NOTE: When configuring a VTR as both the input source and play to tape location, it is imperative that a feedback loop not be created as doing so may disrupt standard Aurora Edit behavior.

CR84145	Description:	Capture of audio has a weird audio echo happening after switching sources.
	Workaround:	Toggle between the source giving you this issue and another source and back again. You should no longer hear the audio echo.

Summit

CR101388	Description:	Creating a long bin name over 32 characters causes smartbins to fail to transfer clips to Edit.
	Workaround:	Rename the bin to be 32 characters or less.

Super black/super white

Aurora Edit models SD/SDR/HD/HDR do not support super black/super white (e.g. video values outside of the normal range). The video output will automatically clip super black to black and super white to white. Rendering an effect will also automatically clip the video.

TGA sequences

CR106521	Description:	Playing back HD TGA sequences may result in choppy playback.
	Workaround:	Render the TGA sequence.
CR66521	Description:	Media conversion of TGA sequences is not supported.
	Workaround:	It is recommended that TGA sequences get imported into Aurora Edit in the format that they were created for.

Transfers

CR51595	Description:	Transferring a clip that has an apostrophe in the name will result in a "Server Busy" error when sending to a SAN.
	Workaround:	Go to Tools/Options and check the box that says "Test for Invalid Video Server Characters". Once completed, resend the clip or sequence to the SAN Profile.

Transitions

CR86085	Description:	Deleting a transition under an effect with a border can cause problems with the border settings of that effect.
	Workaround:	None

Video settings

CR88077	Description:	In an HD sequence, when the Title Tool is selected after Video Settings are changed from SD to HD, the Aurora Edit application crashes.
	Workaround:	None