

KAYENNE

VIDEO PRODUCTION CENTER



Release Notes
Software Version 3.0.3

KEMA Quality

CERTIFICATE

Certificate Number: 510040.001

The Quality System of:

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Including its implementation, meets the requirements of the standard:

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Scope:

The design, manufacture and support of video and audio hardware and software products and related systems.

This Certificate is valid until: June 14, 2012
This Certificate is valid as of: December 23, 2010
Certified for the first time: June 14, 2000



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Release Notes
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Grass Valley Web Site

The www.grassvalley.com web site offers the following:

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

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

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



END-OF-LIFE PRODUCT RECYCLING NOTICE

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

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

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



For further information on the Grass Valley product take back system please contact Grass Valley at + 800 80 80 20 20 or +33 1 48 25 20 20 from most other countries. In the U.S. and Canada please call 800-547-8949, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: www.grassvalley.com/about/environmental-policy

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Version **3.0.3**

DECEMBER 2011

Kayenne Release Notes

Introduction

This document describes installation and other information specific to Kayenne Video Production Center Release 3.0.3 software. See [page 27](#) for Kayenne system update instructions.

New in Release 3.0.3

- ClipStore Upgrade Procedure, 7.2 to 7.4
- System Stability Improvements (see the *Kayenne Version 3.0.3 Release Notes Addendum*)

ClipStore Software Update

For existing Kayenne systems with ClipStore, the ClipStore software can be upgraded from version 7.2.7.1403 to version 7.4.3.1637 which has been qualified to run with Kayenne v3.0.3. Updated versions of QuickTime and SNFS (StoreNext File System) and new licenses are also required for this ClipStore software upgrade.

In addition to other updates, v7.4 includes support for importing QuickTime files made with the Apple Animation CODEC, which contains both a video track and a key (alpha) track.

Preparing for the Installation

Along with these instructions, go to the ClipStore server and upgrade the ClipStore using a locally connected:

- keyboard,
- mouse, and
- monitor.

Work through the tasks sequentially to complete the upgrade.

Note When upgrading from a version lower than 7.4.3, the ClipStore system software installs with a 30 day trial license. You need a permanent license to operate beyond the trial period (see *Requesting Licenses (K2 Client/AppCenter Elite/XDP-2HL)* on page 18).

Make a Recovery Image

Make a recovery image, unless you made a recovery image at the current software version of your ClipStore. See the *K2 Summit Production Client Service Manual* for information about creating the recovery image.

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

Disable (or Enable) the Write Filter

Disable/Enable the Windows FBWF (File Based Write Filter). This procedure will be used several times throughout the update process.

1. Login with a local administrator account (default is user name: **administrator** password: **adminK2**).

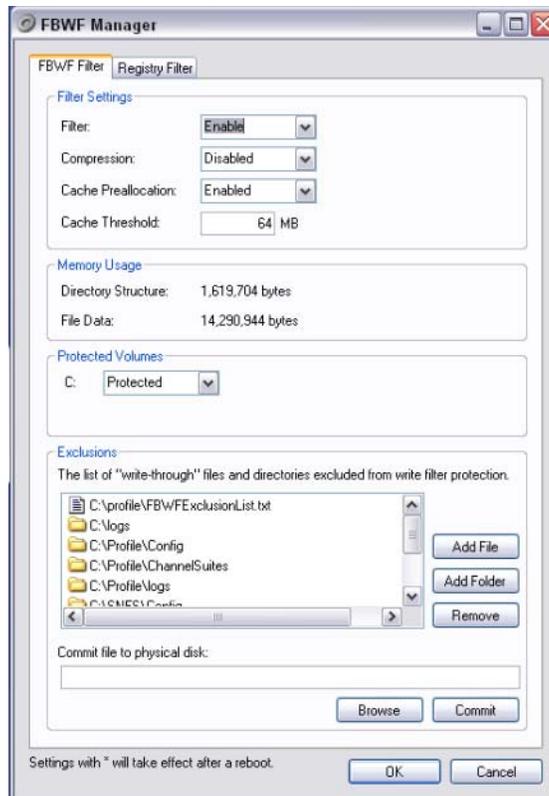
CAUTION Do *not* use a domain account login.

2. Click on the Windows **Start** button to open the menu and navigate to **All Programs, Grass Valley**.

3. Click on **Write Filter Utility** (top of list).

The FBWF Manager is displayed ([Figure 1](#)).

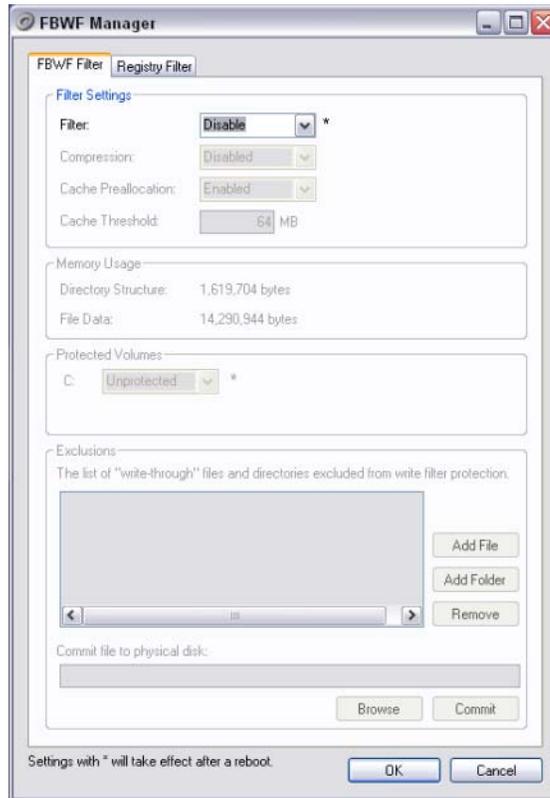
Figure 1. FBWF Manager



4. Under Filter Settings (Figure 2) click on the **Filter:** pull-down menu and click **Disable** (Enabled is the default).
 - a. If enabling, select **Enable** from the pull-down menu.

An asterisk (*) will appear next to 'Disable' that indicates the system must be rebooted to implement the configuration change (Figure 2).

Figure 2. Disable/Enable Filter Settings



- b. Click **OK**.
- c. At the reboot prompt, click **Yes**.

CAUTION Do *not* use a domain account login.

Download the Upgrade Files to a Portable USB Device

1. Go to the grassvalley.com website from a PC.
2. Click on **Support & Services, Downloads, Downloads for Broadcast Products/Switchers/Effects, Kayenne software** in the table on the download page.
3. Select and download the following folder to a portable USB device: **ClipStore Upgrade 7.2to7.4**.

CAUTION Download the 7.4 ClipStore (K2 Summit/Solo) software from the *Kayenne* Software Download page only.

Copy the Upgrade Files to the ClipStore

1. Insert the USB portable device into the USB port on the front of the ClipStore.
2. Copy the **ClipStore Upgrade 7.2to7.4** folder and files from the USB drive to the C: drive on the ClipStore server.

Note If there is not enough memory for the new files, delete older versions of files that will be replaced.

Upgrade QuickTime

Verify that the current QuickTime version on ClipStore is 7.6 or later, if not perform the following update procedure.

1. Open the QuickTime installation files from the C: drive (see *Download the Upgrade Files to a Portable USB Device* on page 10).
2. Open the *QuickTimeInstaller-7.6.exe* (or later) file and follow the prompts from the installation wizard.
3. When prompted, click on the “**Automatically update QuickTime and other Apple Software**” radio button to deselect it.
4. Click **Finish** when complete.

CAUTION Unless instructed by Grass Valley, do not update or install Apple Software, except the default destination folder and other default settings.

Configure the SNFS (StorNext File System) Configuration File

For this task, the ClipStore system must be *offline* (no file transfers, recording, playing, etc.).

CAUTION Carefully follow the instructions for verifying, and if necessary modifying, the media file system (SNFS) configuration file to ensure your media file system will remain intact.

As an alternative to manually modifying the configuration file, if you need to make a new file system after upgrading ClipStore software the required values are set automatically by the upgraded version of Storage Utility.

1. Login with a local administrator account.

CAUTION Do *not* use a domain account login.

2. Verify that the Write Filter is disabled (see *Disable (or Enable) the Write Filter on page 8*).
3. Using Note Pad, open the media file system (SNFS) configuration file, in C:\SNFS\config\gvfs_<hostname>.cfg (*hostname* being the name of the ClipStore system).
4. Verify or if necessary modify the settings to the following required values:
 - a. Verify or modify the **GlobalSuperUser** command and enter **Yes**.
 - b. Verify or modify the **InodeDeleteMax** command line and enter **1000**.
 - c. Verify or add the **ReservedSpace** command line and enter **No**.

The SNFS Configuration File result should be similar to the following (Figure 3):

Figure 3. SNFS Configuration File Result Example

```
# *****
# A global section for defining file system-wide parameters
# *****

GlobalSuperUser      Yes
Quotas                No
FileLocks            No
InodeExpandMin       128
InodeExpandInc       512
InodeExpandMax       17920

InodeDeleteMax       1000

Debug                0x0

WindowsSecurity      Yes
EnforceACLs          Yes
UnixIdFabricationOnWindows Yes
UnixDirectoryCreationModeOnWindows 0700
UnixFileCreationModeOnWindows 0600
UnixNobodyGidOnWindows 60001
UnixNobodyUidOnWindows 60001

BufferCacheSize      16M
JournalSize          4M
FsBlockSize          4096
AllocationStrategy   Round
ForcePerfectFit      Yes
InodeCacheSize       16384
MaxConnections       48
MaxLogSize           1M
ThreadPoolSize       128
ReservedSpace        No

# *****
# A disktype section for defining disk hardware parameters.
# *****
```

5. Save then close the SNFS file if changed.

If changes were made and saved, the ClipStore system must be restarted for the changes to take effect; the restart later in this upgrade procedure is sufficient to put the changes into effect.

Uninstall the ClipStore Software

1. Login with a local administrator account.

CAUTION Do *not* use a domain account login.

2. Disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
3. From the Windows Start menu, open the Add/Remove Programs control panel.
4. Select **GrassValleyK2Client** application and click **Remove**.
5. When prompted if you are sure, click **Yes**.
6. When prompted to Restart, *Do Not* restart.

Note While a restart is required after installing the ClipStore software, you can delay the restart until after other tasks are completed.

7. Disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).

Note Disabling the Write Filter at this point keeps it disabled after the required restart. This is helpful because it must be disabled in order to install (or uninstall) software which you will be doing later in this procedure.

8. Restart the ClipStore system.

Uninstall the SNFS Software

1. Login with a local administrator account.

CAUTION Do *not* use a domain account login.

2. If you have not already done so, disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
3. Verify that you are logged in with an administrator account.
4. From the Windows Start menu, open the Add/Remove Programs control panel.
5. Select **StorNext File System**.
6. Click **Remove**.
7. Disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
8. Restart using the Windows operating system restart procedure.

Install ClipStore

1. If you uninstalled a previous version of ClipStore software and did not restart (see *Uninstall the ClipStore Software on page 13*), restart the ClipStore system before installing the new version.

2. Login with a local administrator account.

CAUTION Do *not* use a domain account login.

3. Disable the Write Filter if not already disabled (see *Disable (or Enable) the Write Filter on page 8*).

4. Open the K2Client.exe file from the C: drive.

CAUTION Remove any external USB drives connected to the ClipStore server before beginning the installation process.

5. If a message appears that you must restart.

- a. Click **OK** to restart.
- b. If no message appears and the install wizard opens, continue with the next step in this procedure.

6. Follow the install wizard on-screen instructions and work through each page.

7. When the Specify Target Type dialog displays, enable the **K2 with local Storage** radio button.

8. Depending on the state of the system when upgrading, you might see the following screen ([Figure 4](#)) or other messages as you work through the installation wizard. Proceed as instructed and continue with this procedure:

- a. If one or more messages appear referring to "...has not passed Windows logo testing...", you can safely continue. This is a normal part of the upgrade. Click **Yes** or **Continue Anyway**.

Figure 4. ClipStore Software Installation, Windows Logo Testing Dialog



- b. If the installation stops after about a minute and does not proceed, look in the Windows task bar for a Hardware Update Wizard window that has opened. Click **Finish** on the Hardware Update Wizard to continue installation.

Note If multiple Hardware Update Windows open, finish them similarly.

9. Click **Next** and **Finish** to complete the installation.

If the system displays a restart prompt, touch **Cancel**.

10. When prompted to continue, Disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).

If the system displays a restart prompt, touch **Cancel**.

11. Shut down the ClipStore system (not a restart).

12. Once shutdown is complete, press the **Standby** button to power up the ClipStore.

CAUTION The ClipStore must be shutdown then powered up, not restarted.

Install the SNFS Upgrade

The ClipStore must have been restarted if the previous version of SNFS was uninstalled, before continuing this procedure.

1. Disable the Write Filter if not already disabled (see *Disable (or Enable) the Write Filter on page 8*).
2. Open the gvSnfs352SetupSummit.bat (for Summit or Solo) from the C: drive in the SNFS_3.5.2.2_b15620 folder (copied from the USB device, see *Copy the Upgrade Files to the ClipStore on page 11*).

The command window appears. After a pause, messages confirm that setup is complete.

CAUTION Once open, the gvSnfs352SetupSummit.bat file automatically installs the SNSF upgrade. If it does not install, do not run the SnfsSetup32.bat file, it will place the SNSF files in the wrong location. Double-click on the gvSnfs352SetupSummit.bat file and try running it again.

3. When prompted, press any key to continue.
4. Restart the media file system services as follows:
 - a. Click **Start, Programs, SNFS File System, Services Stop**.
 - b. Click **Start, Programs, SNFS File System, Services Start**.
5. Restart using the Windows operating system restart procedure.

Verify Upgraded Software

When the ClipStore starts up, you can verify that the correct versions of software are installed by performing the following:

Logon to AppCenter.

In AppCenter, click **Help, About**.

The About dialog opens:

- System Version 7.4.x.xxx
- RTS Version 7.4.x.xxx
- Media File System 3.5.2.1b15620

Note System and RTS version numbers should match.

Install Windows Update

There are approximately 150 updates to be installed.

CAUTION Do not install general Windows updates provided from Microsoft, update only as directed by Grass Valley.

1. Verify that the Write Filter is disabled (see *Disable (or Enable) the Write Filter on page 8*).
2. In the RunUpdates folder, open the RunUpdates.exe file from the local drive; this folder includes all of the Windows update files.

A command shell starts.

3. When prompted, enter a **Y** to start the update process.

For each of the updates, the shell displays a line showing the update installing. A window showing the progress of an update opens and then closes when complete. The shell then updates with the completion status of the update.

Note If you interrupt the Windows update process, run RunUpdates.exe to start it again. Updates continue from the point of interruption.

4. When updates complete and the shell displays the prompt “Do you want to reboot now?”, enter **Y** to restart.
5. Log on to the ClipStore with Windows administrator privileges.
6. Empty the Recycle Bin.
7. Enable the Write Filter (see *Disable (or Enable) the Write Filter* [on page 8](#)).
8. When prompted, restart the ClipStore.
9. Post install clean up; delete the ClipStore Upgrade **7.2to7.4** folder.

Make a Recovery Image

Once you have updated the ClipStore 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 components. Use a sequence of tasks 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.

Refer to the Grass Valley K2 product’s Service Manual for recovery procedures.

Licensing ClipStore

The K2 System Software license needs to be updated from “702” to “704”.

About K2 System Software Licensing

ClipStore system software version 7.4.x requires a license from Grass Valley. Licensing is enforced at the K2 Summit Production Client or K2 Solo Media Server, so every K2 client running version 7.4.x must have a valid license in place. No additional software version license is required on the switcher.

If you had a *version 1* HD or AppCenter Pro/Elite license before the upgrade, the licenses are still valid after the upgrade. If you have for example version 702, new licenses will be required.

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 XML files that you can manage just like any other file on your system. Node-locked 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.

After the Temporary Licenses Expire

After the 30 day temporary license expires, if you have not yet obtained a permanent license, the K2 system software temporary license will expire. You will not be able to start AppCenter once the license has expired. If running, AppCenter will not stop working, and any remote control protocols will continue to function. However, you will not be able to make any changes in AppCenter, such as altering the configuration.

Requesting Licenses (K2 Client/AppCenter Elite/XDP-2HL)

When upgrading the software on your ClipStore, three new licenses must be obtained before the temporary licenses expire. The License Request Wizards generate text files that you email to Grass Valley. New licenses are returned to the *email address entered in the wizard*.

Three new licenses are required for the ClipStore upgrade:

- K2 Client Software
- K2 AppCenter Elite
- K2-XDP-2HL

Use the desktop icons to launch each wizard ([Figure 5](#)).

Figure 5. ClipStore License Request Desktop Icons



1. Log on to the ClipStore as a Windows administrator with a local account, not a domain account.
2. Open the first License Request Wizard using the License Request Wizard shortcut on the Windows desktop (Figure 5), and read the instructions in the Welcome dialog (Figure 6).

Figure 6. ClipStore License Request Welcome



3. Click **Next**, the Customer dialog box displays (Figure 7).

Figure 7. ClipStore License Request Customer Information

License Request Wizard

Customer

Enter the following information:

Name: My Name

Email Address: myname@myco.com

Company: My Company

Address:

Country:

Phone:

< Back Next Cancel

4. Enter the following:

- a. Name
- b. The email address that you wish Grass Valley to send your license update

CAUTION Enter this email address carefully as Grass Valley will return your new license to this address.

- c. Company Name

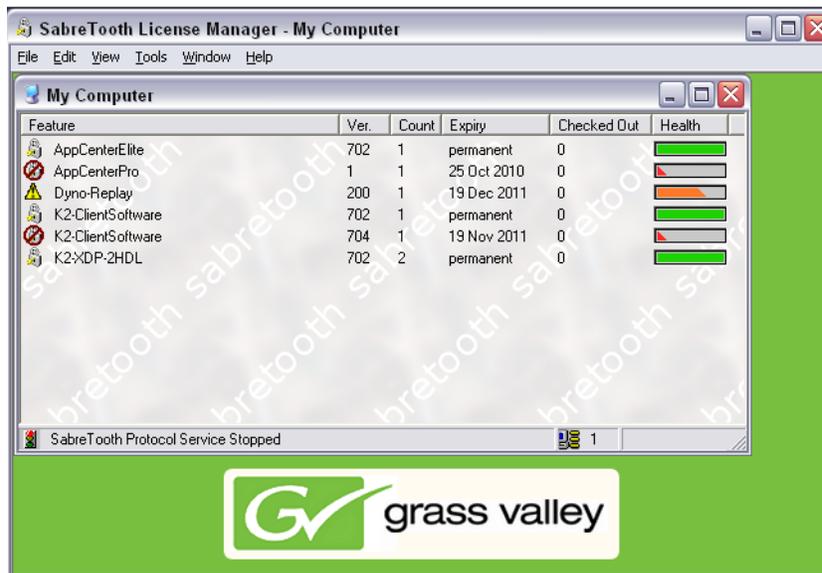
5. Click **Next**, the Sales Order Number dialog displays.

Locate and Enter the Sales Order Number

Typically the Sales Order Number is located on the software License sheet that came with your ClipStore. However if you do not have the sheet, you can obtain the Sales Order Number from the License Manager:

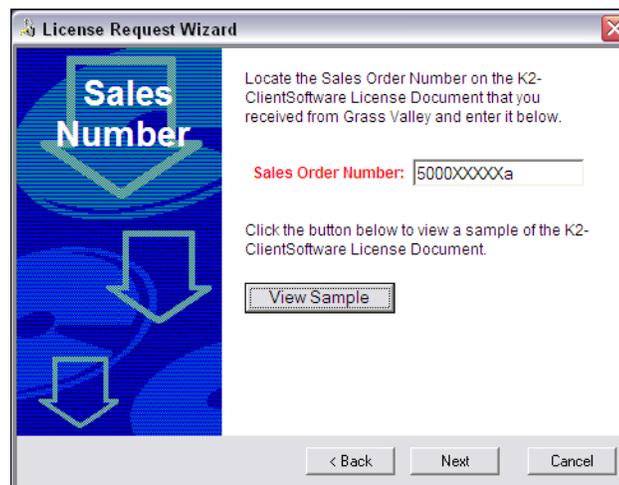
- a. Open License Manager using the desktop icon ([Figure 8](#)).

Figure 8. Sales Order Number in License Manager



- b. Right-click on the desired license and choose **Properties**.
 - c. Record the Sales Order Number which is located in the **QAD Serial** field.
6. Enter the Sales Order Number (Figure 9).

Figure 9. ClipStore Licence Request Sales Number



Appending the Filename (Sales Order Number)

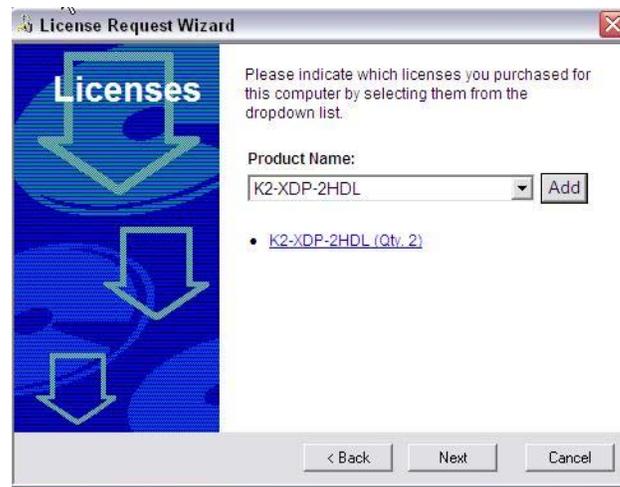
The same Sales Order Number will be used to request each of the three new licenses, and the License Request text file created uses the Sales Order Number as the file name so to prevent overwriting the generated text file from one wizard to another, you must append a unique character to the end

of the number. For example, you could add an a, b, or c following each entry:

CAUTION Only the first ten digits of the Sales Order Number are entered (plus the unique character); the hyphen and following digits are not required and will return an error if entered.

- 50000XXXXXa
 - 50000XXXXXb
 - 50000XXXXXc
7. Enter the Sales Order Number with the unique character into the Sales Order Number field.
- a. For the K2-XDP-2HDL license, when you click **Next** after entering the Sales Order Number, the Licenses dialog box will display (Figure 10).

Figure 10. K2-XDP-2HDL License Request Solo or Summit Selection



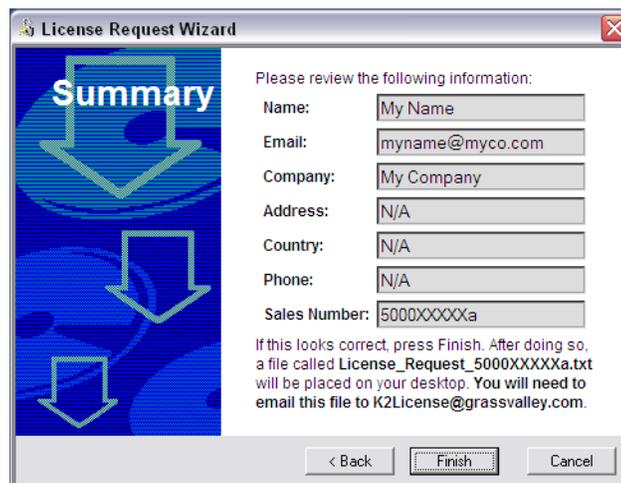
- b. Click the **Add** button and enter a quantity of 1 (one license) for a Solo 2 Channel ClipStore or a quantity of 2 (two licenses) for a Summit 4 Channel ClipStore (Figure 11).

Figure 11. K2-XDP-2HDL License Request Quantity



- c. Click **OK**.
8. Click **Next**, the Summary dialog box displays with the details of your entries.

Figure 12. ClipStore License Request Summary



9. At the bottom of the summary is the email address to send the request for a new license, write it down.
10. Review the License Request information and click **Finish**; a License Request text file, License_Request_<SalesNumber+a, b, or c>.txt, is generated and saved to the Windows Desktop.
11. If the Write Filter is currently enabled, be aware that files on the desktop are lost on restart. Therefore do one of the following:
 - a. Save the License Request text file(s) to a different location, or

Adding a New 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. If you have not done so, disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
2. Click on the **License Manager** icon on the Windows Desktop; the SabreTooth License Manager opens.
3. 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.

4. Once you have completed your changes, enable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
5. Restart the ClipStore.

Note You should archive the permanent license to a backup system.

Deleting licenses

Deleting a license disables the feature that it enabled. You can delete a temporary license after the permanent license has been installed without disabling the licensed product.

1. If you have not already done so, disable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
2. Select the license in the SabreTooth License Manager.
3. Use the Delete key on your keyboard or right click with your mouse and select **Delete**.
4. Enable the Write Filter (see *Disable (or Enable) the Write Filter on page 8*).
5. Restart the ClipStore.

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 re-license the 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.

Kayenne Software Update

Introduction

Kayenne systems are shipped with the current software version installed. Updates to Kayenne system software are available for download from the Grass Valley website. Software installation tools are provided with each update package.

The Kayenne Deployment Tool extracts and copies Kayenne system files to a Kayenne Menu Panel or PC. These files include the Kayenne Installer Program.

The Kayenne Installer Program is used to install the extracted software to Kayenne Video Processor Frame(s) and Kayenne Control Panel(s) over the network. The Kayenne Installer Program also launches other installation tools (wizards). One wizard installs the Kayenne Menu application directly on the Menu Panel or PC running the installer program. If multiple Kayenne Menu Panels (or PCs running the Kayenne Menu application) exist, each must be updated individually. A wizard can also be launched for the NetConfig features.

Note When updating the Kayenne Control Panel from a version earlier than 1.5.2, the software must be installed twice to completely update the system.

Materials Required

You will need the following materials for this update:

- Kayenne version 3.0.3 Software; **KayenneSetup.exe**, which can be downloaded from the Grass Valley Customer Support website along with the latest ClipStore/Summit software, Release Notes, and Release Notes Addendum, and copied to a USB stick,
- Backup media for configuration and effects files,
- USB mouse and keyboard, and
- Kayenne Menu Panel, or user PC, properly configured on the Kayenne system network.

Software Update Procedure

This software update procedure assumes your Kayenne system is fully operational with all network communications properly configured. Refer to the *Kayenne Installation and Service Manual* for configuration instructions.

Backup Current Configuration and Effects Files

1. Save your system configuration files (Eng Setup, User Setups), and your operational registers (EMEM, Macros, etc.) and other settings. You can create a Show file that contains all this information. See the *Kayenne Installation and Service Manual* for file operations instructions.

Note A convenient location to save these backup files is on the USB stick of the software version that created the files (the older Kayenne software being updated). Create a new folder on that older Kayenne software USB stick for the file and name the Show file with the current date.

2. Store the backup media in a safe place. You may want to use these files if you decide to back down to that earlier software version.

Deploy Kayenne Update Package Files and Installer

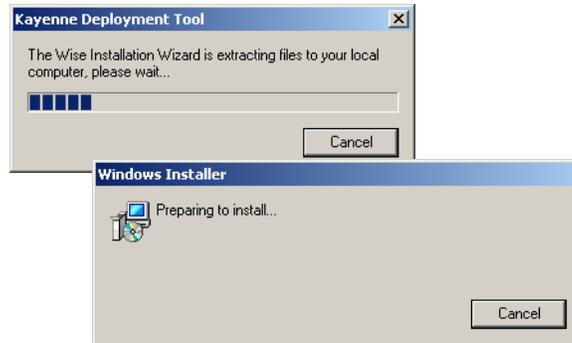
1. Exit the Kayenne Menu application and any other applications, that may be running on the Kayenne Menu Panel or PC.
2. Disable any virus protection, Windows firewall, and any other firewall protections that may have been installed on the Kayenne Menu Panel or PC. Firewalls must be inactive to allow Kayenne system software installation over the network.
3. Insert the Kayenne Software USB stick into an available port on the Kayenne Menu Panel or PC. A pane will open ([Figure 13](#)).

Figure 13. Inserted USB Stick Message



4. Double-click on the **KayenneSetup.exe** and click **OK**. Screens will appear as the files are extracted and the Kayenne Deployment Tool is installed (Figure 14).

Figure 14. File Extraction Screens



Note If the same Kayenne Deployment Tool version files are detected, a Repair/Remove screen is displayed, allowing re-installation or removal of the Deployment files.

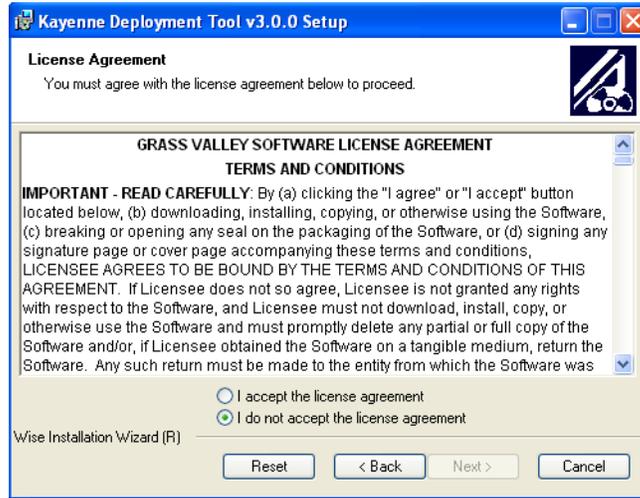
5. The Kayenne Deployment Tool will then launch (Figure 15).

Figure 15. Kayenne Deployment Tool Initial Screen



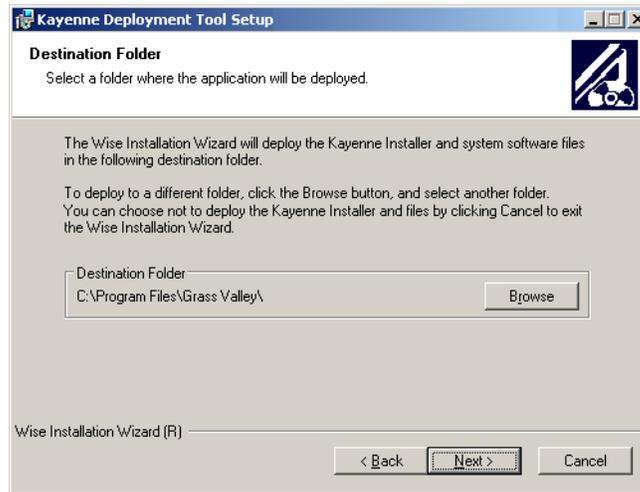
6. Click **Next**. The License Agreement screen appears (Figure 16).

Figure 16. Kayenne License Agreement



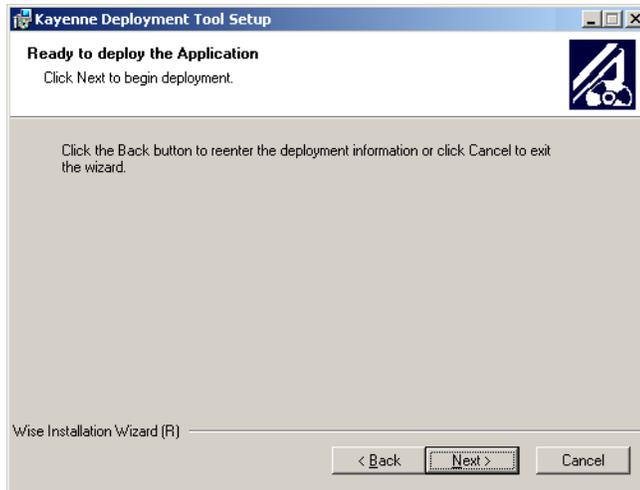
7. Accept the license and click **Next**. The Destination Folder screen appears (Figure 17).

Figure 17. Kayenne Deployment Destination Folder



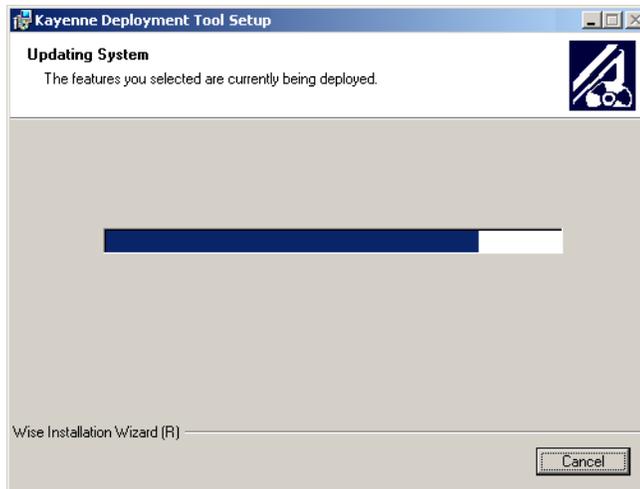
8. Click **Next** to accept the default deploy location. Alternatively, you can Browse to a different location to deploy the files to. The Ready to Deploy Screen appears next (Figure 18).

Figure 18. Ready to Deploy Screen



9. Click **Next** to deploy the files. A progress bar will be displayed (Figure 19).

Figure 19. Kayenne Deployment Update Status Screen



10. When the deployment completes the Kayenne Installer program will launch automatically (Figure 21).

Figure 20. Installer Icon



After the Kayenne files have been deployed, the Kayenne Installer Program can be launched at any time by clicking on its desktop icon (Figure 20).

Kayenne Installer Program Description

Figure 21. Kayenne Installer Program Initial Screen



The Kayenne Installer Program initial screen has buttons on the left used to select various installers (**System**, **Menu**, **NetConfig**, **Exit**).

The **Exit** button at the bottom left closes the Kayenne Installer Program.

When **System** is selected, a screen appears with a central hierarchy display, information on the upper right, and function buttons on the lower right (Figure 22 on page 33). The hierarchy starts with the name of the Kayenne system, and groups that system's Video Processor Frame with the PCU (Control Panels) configured with that Frame. The Kayenne system name is taken from the Video Processor Frame name. This hierarchy allows easy identification of each Kayenne system when multiple systems reside on the same network.

The Kayenne System Installer application has the following other features, accessed by clicking on its labeled button:

Rescan - Re-scans the network for Kayenne devices. This refreshes the screen to show the currently connected components and any modified system names.

Update - Updates the software on the selected device using the software deployed with this Kayenne Installer version.

Set Name - Opens a window allowing you to change the name of the selected device.

Set Server - (Control Panel selected in hierarchy window) - Opens a window allowing you to enter the IP address the Control Panel will use to communicate with the Video Processor Frame.

Clear NV - (Frame or Control Panel selected) Clears NV Memory.

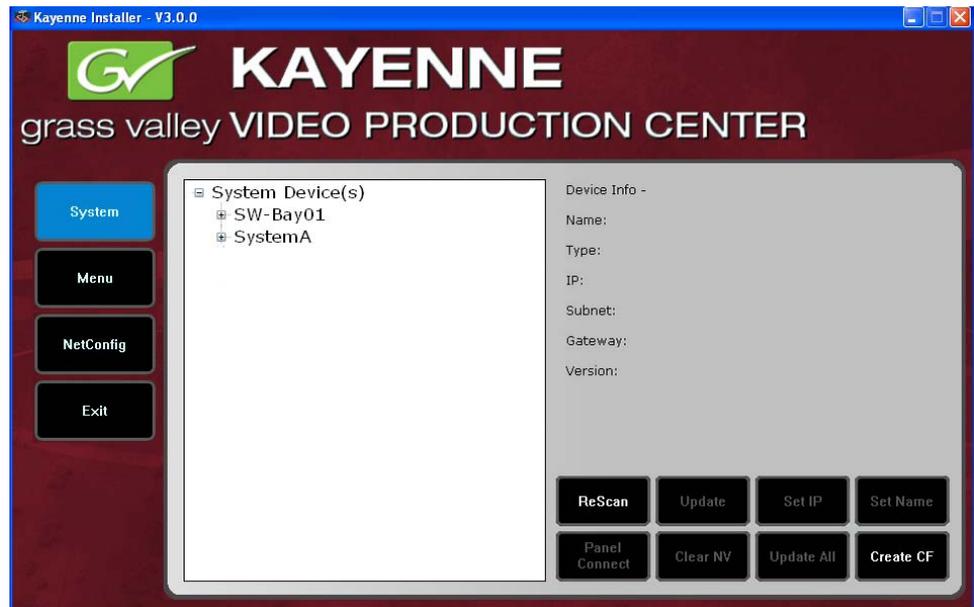
Update All - (System selected) Updates software to all devices for the selected system, excluding Menus.

Create CF - Allows the duplication of a Frame or Control Panel Compact Flash Card onto another CF Card.

System Update (Video Processor Frame & Control Panels)

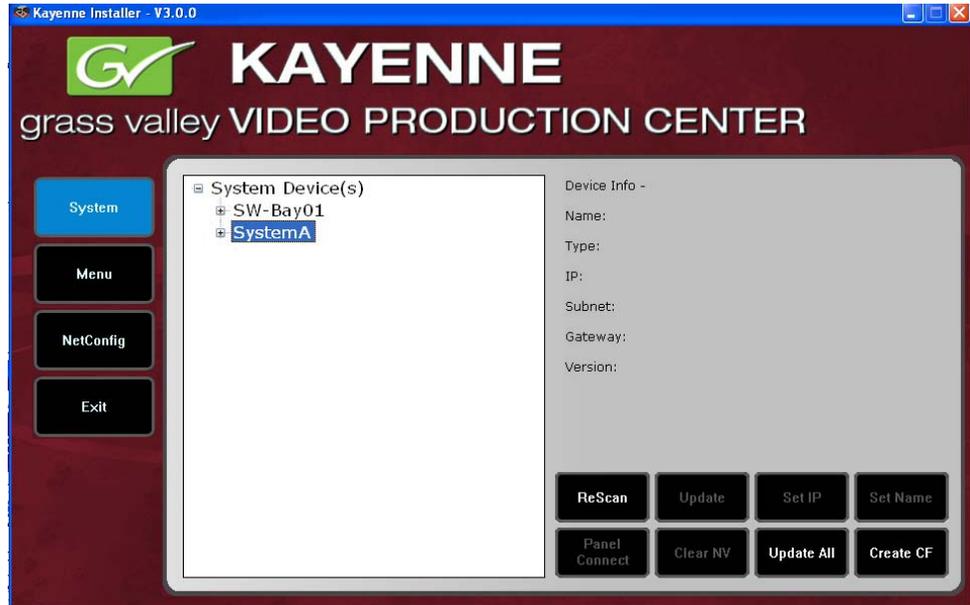
1. With the Kayenne Installer Program launched, click on the **System** button. A screen appears with a central hierarchy display, information on the upper right, and function buttons on the lower right ([Figure 22](#)).

Figure 22. Kayenne Installer, System Button Selected



- Each Kayenne system consists of a Video Processor Frame and associated PCU(s) (Control Panels). Use the mouse to navigate to the desired system (not an individual Frame or Panel). When a system has been selected the **Update All** button becomes active (Figure 23).

Figure 23. Kayenne Installer, Kayenne System Chosen



- Click **Update All**. The following reboot message appears (Figure 24).

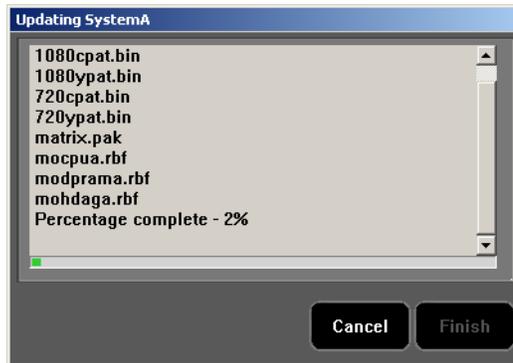
Figure 24. Kayenne Installer, Reboot Screen



- If the **Reboot when complete** box is checked, the Video Processor Frame and all associated Control Panels will automatically reboot after the software update. If the box is not checked, you will need to manually reboot the Video Processor Frame after the software files have finished being transferred to them. Control Panels are always rebooted after a software update.

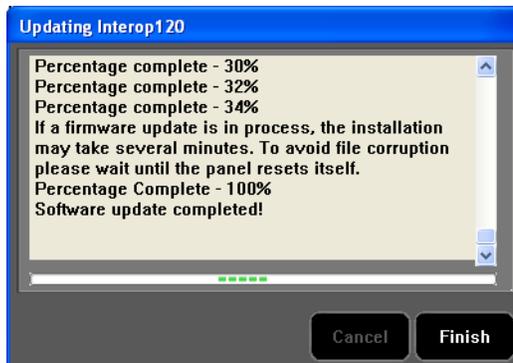
- Click **OK**. The screen will report the progress of the update (Figure 25).

Figure 25. Kayenne Installer, Update Progress



- While finishing the update, and the Kayenne components reboot, an Updating screen appears (Figure 26). The Kayenne Control Panel and Video Processor Frame will be operational when complete.

Figure 26. Kayenne Installer, Updating



- Click **Finish** to exit the screen.

Kayenne Menu Panel Application Installation/Update

The Kayenne Deployment Tool must be run on each Menu Panel or PC onto which you will be installing the Kayenne Menu Panel application. See [Deploy Kayenne Update Package Files and Installer on page 28](#).

CAUTION For Menu on PC, you must be logged on as administrator or the installation will fail.

Figure 27. Installer Icon



- Click on the Kayenne Installer desktop icon (Figure 27), if necessary, to launch the Kayenne Installer Program (Figure 28).

Figure 28. Kayenne Installer Program Initial Screen



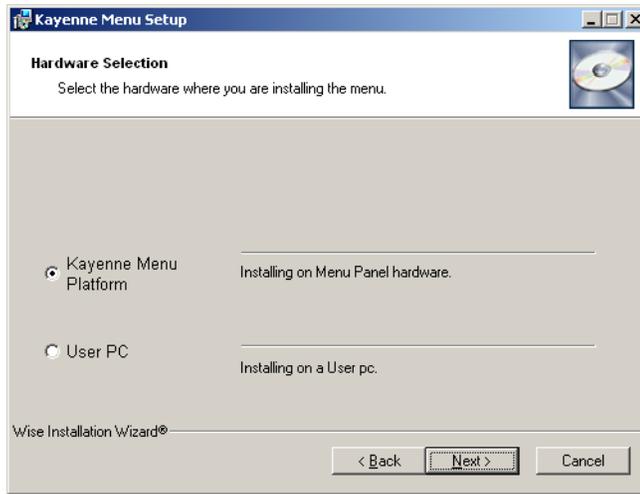
2. Click the **Menu** button. The Kayenne Menu Installation Wizard installation tool will launch (Figure 29).

Figure 29. Kayenne Menu Installer



3. Click **Next**. The Hardware Selection screen appears (Figure 30).

Figure 30. Kayenne Menu Installer, Hardware Selection

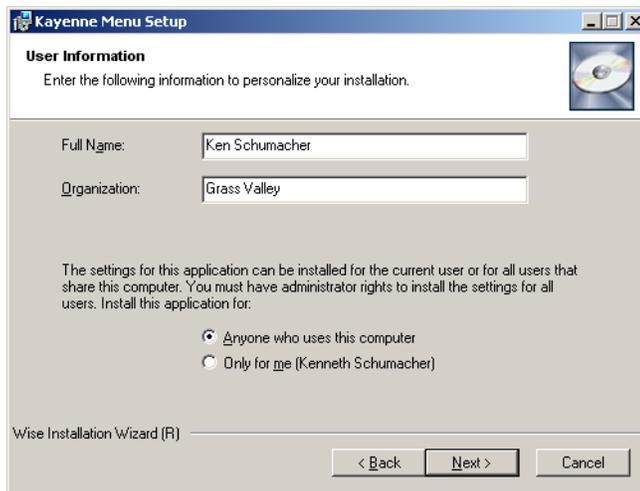


4. Choose either **Kayenne Menu Platform** (the Kayenne Touch Screen Menu Panel), or **User PC**, as appropriate, and click **Next**.

Note The first-time installation of the Kayenne Menu application onto a user PC may require installing Windows .NET Framework software. See *First Time Kayenne Menu on PC Installation* on page 41 for more information.

5. The User Information screen appears next (Figure 31).

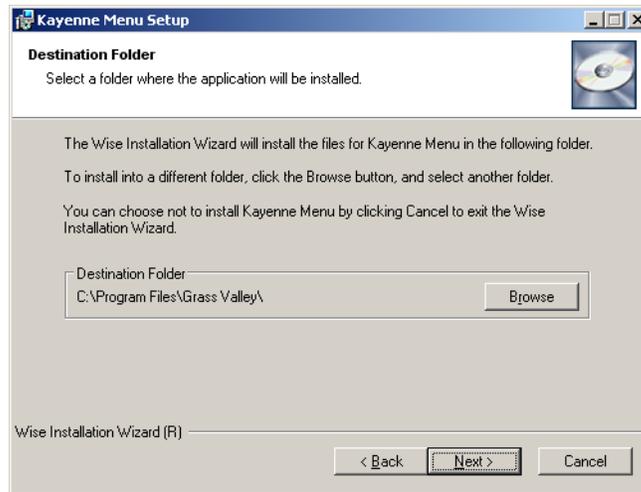
Figure 31. Kayenne Menu Installer, User Information



6. Enter a name and organization, leave the **Anyone who uses this computer** setting selected, and click **Next**. The Destination Folder screen appears next (Figure 32).

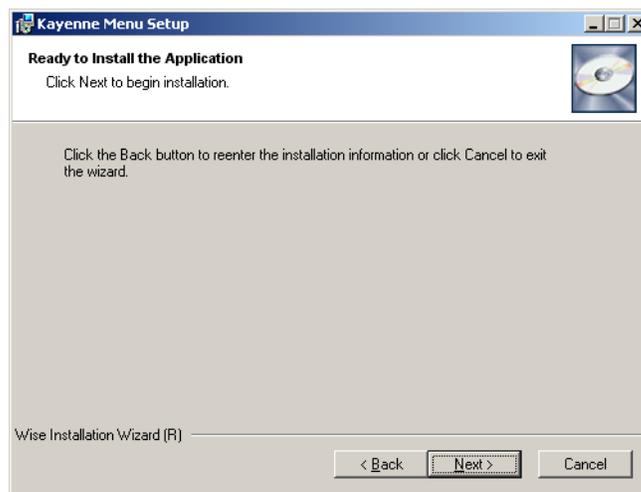
Note Selecting **Only for me** limits some settings to the currently logged in user. This may be appropriate if the Kayenne Menu application is installed onto a PC shared by several users. However, this is not a fool-proof security method and should not be relied on for mission-critical applications.

Figure 32. Kayenne Menu Installer, Destination Folder



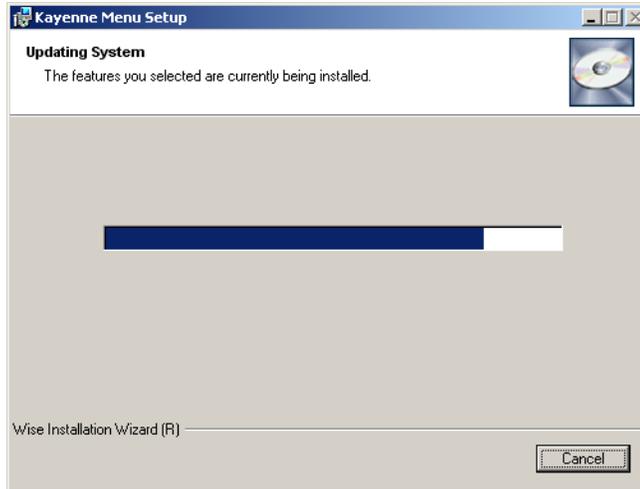
7. Click **Next** to accept the default installation location. Alternatively, you can Browse to a different location to install the application. The Ready to Install Screen appears next (Figure 33).

Figure 33. Kayenne Menu Installer, Ready to Install



- Click **Next** to install the application. A progress bar will be displayed (Figure 34).

Figure 34. Kayenne Menu Installer, Update Status Screen



- When done, the Menu Successfully Installed screen appears (Figure 35).

Figure 35. Kayenne Menu Installer Success



- Click **Finish** to exit the Kayenne Menu Installer tool.
- Click **Exit** and answer **Yes** to the prompt to exit the Kayenne Installer.

Figure 36. Kayenne Menu Icon



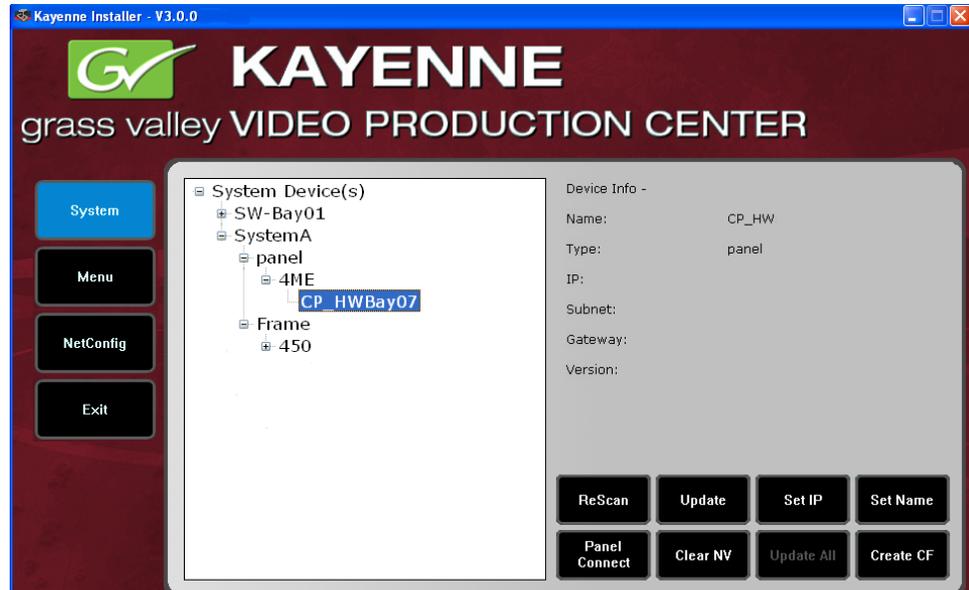
Clicking on the Kayenne Menu icon (Figure 36) now launches the new version of the Kayenne Menu Panel application.

Clear NV RAM for Control Panel and Frame

It is recommended that the NV RAM for the Kayenne Control Panel and Frame be cleared after a software update.

From the Kayenne Installer menu, touch the **System** button and touch the device to be cleared. Touch the **Clear NV** button (Figure 37). Repeat for Control Panel and Frame.

Figure 37. Kayenne Installer Program Clear NV



Calibrate the Lever Arm and Joystick

It is recommended that the Lever Arm (for each Transition Module) and Joystick be calibrated after a software update.

Lever Arm Calibration (Transition Modules)

To calibrate a Lever Arm, press and hold down the two left (**Exchange ME/Ptn Limit**) and two right (**EMEM Run/Trans Rate**) buttons located just above the Lever Arm. Follow the instructions on the Transition Module status display.

JoyStick Calibration (Multi-Function Module)

To calibrate the Joystick on the Multi-Function Module, from Home, press **Panel, Cali** and follow the instructions on the status display.

Update Additional Kayenne Menu Panels or PCs

Follow the procedure above on every Kayenne Menu Panel and PC running the Kayenne Menu Panel application that operates with the updated Kayenne Video Processor Frame.

Note A new Kayenne Menu Panel or PC that has not been used with the Kayenne system will need to be configured as a Kayenne Node before it can operate with a Kayenne system. See the *Kayenne Installation and Service Manual* for specific instructions.

First Time Kayenne Menu on PC Installation

The Windows .NET Framework software is required for Kayenne Menu application operation. If the correct version of this software is not present on the PC, a message will be displayed indicating it must be installed. This framework software is included on the Kayenne Software USB stick, and in the Complete download version available on the Grass Valley website.

1. Insert the Kayenne Software USB stick into the PC's USB port.
2. Select **Open folder to view files** and click **OK**.

Figure 38. Inserted USB Stick Message



3. Open the **DotNet** folder, and run the dotnet.exe file. Files will be extracted to your PC and then the .NET Framework Setup application will run. Accept the license agreement and click **Install**.
4. When done, the message **Download complete. You can now disconnect from the Internet** will be displayed. Exit the .NET installer application and relaunch the Kayenne Installer Program.
5. You will now be able to install the Kayenne Menu application onto the PC (see *Kayenne Menu Panel Application Installation/Update* on page 35).

NetConfig and Newton Configurator Installation

Clicking on the **NetConfig** button launches an individual installer similar to the Kayenne Menu Panel installer. Both NetConfig and the Newton Configurator plug-in will be installed. Follow the directions displayed to install these applications onto that Kayenne Menu Panel or PC.

Note The Kayenne Installer Application and the separate NetConfig application cannot run simultaneously on the same Menu Panel or PC.

Check Software Versions

Launch the Kayenne Menu application. The Status Menu will list the Kayenne system devices. Ensure all the components are running the same software version. Mismatched versions will be reported with red text (Figure 39).

Figure 39. Mismatched Software Versions

The screenshot shows the Kayenne software interface for the Grass Valley Video Production Center. The main display area contains a table of system devices. The table has columns for Node Name, Control Surface, Node Type, IP Address, Version, and Date. The 'Version' column for the 'Menu Panel' node is highlighted in red, indicating a mismatched version (V1.5.0) compared to other nodes (V3.0.0).

Node Name	Control Surface	Node Type	IP Address	Version	Date
SystemA		Video Proc Frame	192.168.0.170	V3.0.0	Jan 8 2011
ImageStore		Image Store	192.168.0.171	V3.0.0	Jan 8 2011
Client		Menu Panel	192.168.0.55	V1.5.0	Jul 07 2009
Panel	1 A	RT Panel	192.168.0.173	V3.0.0	Jan 8 2011
Menu	1 A	Menu Panel	192.168.0.175	V3.0.0	Jan 8 2011

Other interface elements visible include a left sidebar with navigation buttons (Status, Eng Setup, Panel Prefs, User Set, Source Definition, Eng Setup, Control, Router, R-MEM, Router, Outputs, Eng Setup, Acquire Resources, Eng Setup, Save Load, Eng Setup), a top header with the Kayenne logo and 'grass valley VIDEO PRODUCTION CENTER', and a bottom toolbar with various function buttons like Eng Login, SetDef MatchDef, Source Definition, Outputs, Ports & Devices, Relay Tally, Router, Video Settings, Node Settings, Install Options, Test Patterns, Status, Save Load, Acquire Resources, eDPM, SWR, User Setups, File Ops, E-MEM & Timeline, Macros, Source Ops, ME, Keyer, iDPM, Wipes, Devices, Image Store, Router, and Eng Setup.

Confirm System Operation

1. Check that all the installed MEs are operational. Select different crosspoints on the Control Panel and fly a key with an iDPM.
2. Check that any software enabled options operate correctly. Existing authorization codes should work with the new software.

3. Check that EMEMs run properly. Older effects should work with the new software. If there are differences, however, you will need to edit or rebuild the effect with the new software version.
4. Reload the Macros and check that they operate correctly.
5. Load some Image Store images and confirm they display correctly.

Backup New Configuration and Effects Files

1. When you are satisfied with system operation, save the new configuration files and effects as a Show file to a folder you've created on that version's Kayenne Software USB stick.
2. Label the media with the version and date and store it in a safe place.
3. Reactivate any virus protection on the Menu panel that may have been disabled at the start of this procedure.

This completes the standard Kayenne system software update procedure.

Other Kayenne Systems Software Update

More than one Kayenne system (multiple Video Processor Frames) may reside on your network. Each system can operate simultaneously with different software versions, as long as all the components in each system run the same software version.

Additional Kayenne systems are updated using the same procedure described before.

1. Select the other Kayenne system on the Kayenne Installer Program System hierarchy screen, and choose **Update All**.
2. Insert the Kayenne System Software USB stick into each Kayenne Menu Panel or PC associated with that Kayenne system and choose the **Menu** software update button.

Individual Kayenne System Component Update

Individual components can be selected for update (just the Video Processor Frame, or just one Control Panel). However, all components of a Kayenne system must run the same software version. If updating components individually, make sure they all are at the same version before resuming Kayenne system operation.

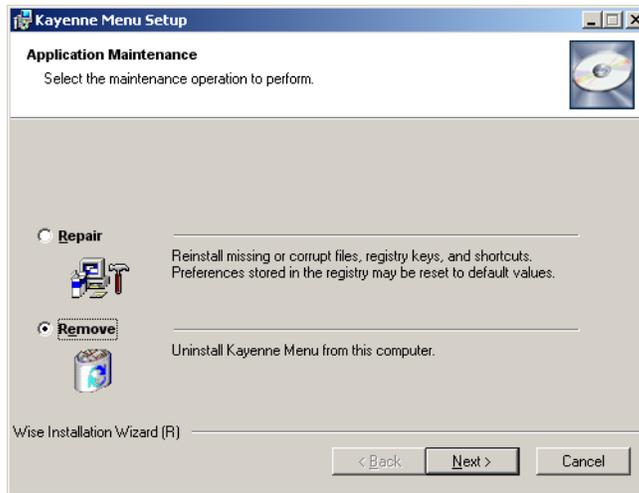
CAUTION Allow the Video Processor Frame to completely finish rebooting before attempting to install Control Panel software. The Control Panel update process requires the Frame to be operational.

Removing Kayenne Software

Kayenne Menu Panel Application Removal

Running the Kayenne Installer and clicking on the Menu button when that same version of Menu Panel software is already installed opens a Repair/Remove screen (Figure 40). Selecting **Remove** uninstalls the application from the Menu Panel or PC.

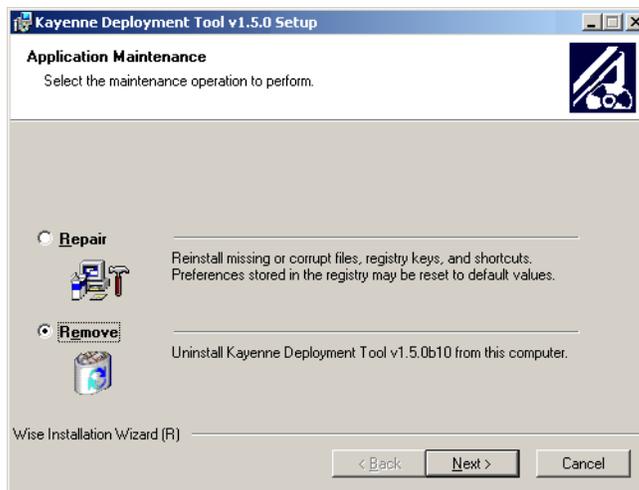
Figure 40. Kayenne Menu Panel Application Removal



Kayenne Deployment Tool Files Removal

The Kayenne Deployment Tool package can be removed from the Menu Panel or PC by inserting a Kayenne Software USB stick containing the same version package. A Repair/Remove menu appears, allowing reinstallation (repair) or removal of the deployment files (Figure 41).

Figure 41. Deployment Tool Removal



Deployment Archive Files

When new software versions are installed with the Kayenne Deployment tool, older version deployment files are not automatically removed. Each Kayenne deployment creates its own software version folder. If the default installation location, or the same alternative destination, is always chosen, all the version folders will be listed together (default destination C:\ProgramFiles\Grass Valley\Kayenne\KayenneSystem_Vx.x.x). Running the KayenneInstaller.exe file in any version's folder will permit installation of that version's Kayenne files.

CAUTION Before installing an older version of the Kayenne Menu Panel application, you must first un-install the newer, currently installed Kayenne Menu Panel version, either using that newer version's Kayenne Deploy Tool or Windows Add/Remove Programs. This also applies to Macro Editor installations.

Note All the components of a Kayenne system must run the same software version. If you want to return to an earlier version of software, you should back-down the software on the Kayenne Video Processor Frame, all Kayenne Control Panels, and all Kayenne Menu Panel applications used with that Kayenne system.

Removing Using the Windows OS

Kayenne Deployment Tool versions and Menu Panel programs can also be removed using standard Windows techniques (Setup/Add or Remove Programs).

Kayenne System IP Addresses

Default IP Addresses

Kayenne systems are shipped with default IP addresses ([Table 1](#)). These default addresses can be used if the Kayenne system is operating on a dedicated network with no other devices present. Note that these addresses can be changed during installation, and so your system may not be using these defaults,

Table 1. Kayenne System Default IP Addresses

Device	IP Address
Video Processor Frame CPU	192.168.0.170
Image Store CPU	192.168.0.171
Control Panel Surface 1A	192.168.0.173
Touch Screen Menu Panel 1	192.168.0.175
Touch Screen Menu Panel 2	192.168.0.176

Table 1. Kayenne System Default IP Addresses - (continued)

Device	IP Address
Control Panel Surface 1B	192.168.0.177
Control Panel Surface 2A	192.168.0.178
Control Panel Surface 2B	192.168.0.179
ClipStore Server	192.168.0.180
32-Crosspoint Remote Aux Panels V1.6.5 and higher software: (hard reset with the front panel buttons)	IP Address: 192.168.1.2 Frame IP: 192.168.1.1 Gateway IP: 192.168.1.1 Subnet Mask 255.255.255.0, Note 32-Crosspoint Remote Aux Panel default settings must be changed to operate with a Kayenne system whose other components are configured with their default IP addresses.
All Subnet Masks)	255.255.255.0
All Gateways (except V1.6.5 software Remote Aux panel)	192.168.0.1
Reserved For Future Use	CAUTION Do not connect any devices configured with the following IP addresses to a Kayenne network.
Video Processor Frame Gigabit Ethernet	192.168.0.172
PCU Panel Reserved LAN Port	192.168.0.174

New Single Control Surface Kayenne Systems

A new Kayenne system will operate on an isolated network with the default IP addresses configured at the factory (except for 32 Crosspoint Remote Aux panels). However, if you wish to integrate the Kayenne system into an existing network, wish to use gateway communications, or wish to add more Kayenne control surface components, IP addresses may need to be changed.

Multiple Control Surfaces and Suites

If you plan to use multiple control surfaces (for example, more than one Control Panel or more than one Menu Panel) with the same Video Processor frame, you must make sure the IP addresses of the additional items are unique before connecting them to the network. Using default IP addresses will cause network conflicts and unpredictable system operation.

See the *Kayenne Installation and Service Manual* for specific information about network configuration.