

K2 Dyno PA Release Notes

Version 1.5.0

These release notes contain the most recent information and supersede previous publications, as of *October 15, 2010*. Check the Grass Valley website at www.grassvalley.com/docs for an updated version that contains additional important information.

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Grass Valley Product Support

To get technical assistance, check on the status of a question, or to report a new issue, 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	Country	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 1313

Region	Country	Telephone
Pacific	India	+91 22 676 10324
	Australia	1 300 721 495
	New Zealand	0800 846 676
	For callers outside Australia or New Zealand	+61 3 8540 3650
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 1189 230 499
	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	+7 495 258 09 20
	Northern Europe	+45 404 72 237
	Southern Europe – Italy	+39 06 87 20 35 28
	Southern Europe – Spain	+34 91 512 03 50
	Middle East, Near East, Africa	Middle East
Near East and Africa		+800 80 80 20 20; +33 1 48 25 20 20

Version compatibility

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

System requirements

To run K2 Dyno PA, you need the following system requirements.

Component	Notes
At least one K2 Production Client, K2 Solo Media Server, or K2 Media Client.	Dyno PA is compatible with K2 3.3.x systems (except for the Browse feature) and K2 7.2.x systems.
A PC to run the Grass Valley platform service.	One platform service can accommodate multiple Dyno PA clients.
At least one PC to run the Dyno PA client application.	The Dyno PA application and the platform service can be run from the same PC.

Software requirements

Before installing K2 Dyno PA, verify the software requirements.

K2 Dyno PA

The K2 Dyno PA application has the following software requirements:

Software	Version	Notes
Microsoft .Net Framework	3.5 SP1	
Microsoft DirectX	August 2009	
Quantum SNFS software	3.5.2.14727	Only needed if using the Browse feature.
Generic iSCSI software	7.2.7.1369	Only needed if using the Browse feature on a K2 Summit SAN system. Download and run the <i>727b1369_gi.exe</i> file.

K2 Media Client

The K2 Media Client has the following software requirement:

Software	Version	Notes
K2 software	3.3.2.1412 For information on configuring the K2 software, consult the K2 Media Client documentation.	The Browse feature is not supported.

K2 Summit Production Client/K2 Solo Media Server

The K2 Summit Production Client/K2 Solo Media Server has the following software requirements:

Software	Version	Notes
K2 software	7.2.7.1369 or higher. For information on configuring the K2 software, consult the K2 Summit Production Client documentation.	The Browse feature is supported.
Quantum SNFS software	3.5.2.14727	Only needed if using the Browse feature.
DLC Tool	1.5.0.1590	Only needed if using the Browse feature on a standalone K2 Summit system.

In addition, the K2 Summit Production Client/K2 Solo Media Server must have the following:

Component	Notes
A unique file system name and storage disk labels (standalone only).	If K2 Summit 7.2x software was installed on this system, it already has a unique file system name and storage disk labels. If upgrading to K2 Summit 7.2x software from a previous version, refer to <i>Creating a unique file system name and storage disk labels</i> in the <i>K2 Dyno PA Configuration Manual</i> .
Dyno PA-specific network adapter order.	For more information, refer to <i>Ordering the network adapters for K2 Dyno PA</i> in the <i>K2 Dyno PA Configuration Manual</i> .

K2 Dyno Replay Controller

The K2 Dyno Replay Controller has the following software requirement:

Software	Version	Notes
K2 Dyno Replay Controller	1.6.0.119 or higher For information on the K2 Dyno Replay Controller software, consult the	If using a K2 Dyno Replay Controller with the K2 Dyno PA system.

Software	Version	Notes
	K2 Dyno Replay Contoller documentation.	

Hardware requirements

Before installing K2 Dyno PA, verify the hardware requirements.

The Dyno PA application and the Grass Valley platform service have the same hardware requirements, with the exception of the video board. The hardware specifications are listed in the following table.

Component	Required hardware
Platform	PC desktop or laptop Core 2 Duo @ 2 GHz minimum
Operating system	English (US) Windows XP 32b SP3
Video board	Integrated or discrete graphics with a minimum of 128 MB of memory (not required for the platform service)
RAM	2 GB (minimum)
Network	1 GigE Ethernet
Disk	80GB 7200 rpm
Keyboard and mouse	Standard

Upgrading K2 Dyno PA

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

Related Links

[Prepare for upgrade](#) on page 8

[Upgrade K2 Dyno PA systems](#) on page 8

Prepare for upgrade

Before upgrading, do the following:

- Procure the software installation files for this release and make them available to the systems you are upgrading via the appropriate method such as CD-ROM, network drive, or external drive.
- Stop the GV Platform service.
- Uninstall the previous version of K2 Dyno PA software.

Related Links

[Upgrading K2 Dyno PA](#) on page 8

Upgrade K2 Dyno PA systems

Do this task if you must upgrade K2 Dyno PA software.

1. Upgrade your K2 systems to the compatible versions of software. Refer to *Version Compatibility* for version information.
2. Upgrade the K2 Dyno PA software. Refer to the installation procedures described in the *K2 Dyno PA Configuration Manual*.

Related Links

[Upgrading K2 Dyno PA](#) on page 8

About K2 Dyno PA licensing

K2 Dyno PA requires a floating (not node-locked) license from Grass Valley. Licensing is enforced on the Grass Valley platform service, so every machine running the service must have a valid license in place. When the Grass Valley platform service is installed, it places license request wizards on the Windows desktop, one for each type of Dyno PA license.

Dyno PA software installs with a trial license in place. You must obtain a permanent license from Grass Valley and install it on the machine before the trial period expires.

About software licensing

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

This topic applies to Grass Valley SabreTooth licenses. 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. If you have K2 Summit Production Client or K2 Solo Media Server and if the write filter is currently enabled, be aware that files on the desktop are lost on restart. Therefore do one of the following:

- Save the License Request text file(s) to a different location.
- Keep the K2 system running (do not restart) until after you have requested the license(s).

8. Do one of the following:

- Attach the License Request 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.

9. 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.

10. 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 when 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 K2License@Thomson.net

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. If adding a license on the K2 Summit Production Client, if you have not already done so, disable the write filter.
2. Click on the License Manager icon on the Windows Desktop.

The SabreTooth License Manager opens.

3. 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.

4. On the K2 Summit Production Client, if you have completed your changes, enable the write filter.

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.

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.

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. If deleting a license on the K2 Summit Production Client, if you have not already done so, disable the write filter.
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. On the K2 Summit Production Client, if you have completed your changes, enable the write filter.

Operation Considerations

- **DLC server limitations** -- Regardless of the number of K2 Summit systems being monitored, when configuring DLC software on a K2 Summit system Grass Valley recommends that there be no more than three K2 Summit systems listed in the FsNameServers file. One of these K2 Summit systems must be powered up first, before any K2 Dyno PA clients. For more information on DLC configuration, see the *K2 Dyno PA Configuration Manual*.
- **Using K2 Dyno PA with a Firewall**-- Grass Valley recommends that K2 Dyno PA be run without a firewall. If a firewall is necessary, ensure that port 49173 is allowed full access on the PC with the Grass Valley platform service installed and all PCs running the K2 Dyno PA application.
- **Deleting assets in search queries** -- If K2 Dyno PA is set to search all bins, assets in the recycle bin appear in the search query. To avoid this, you can empty the recycle bin or configure Dyno PA to specifically search all other bins except for the recycle bin.
- **Network connection for the Grass Valley platform service** --The machine running the platform service must have a valid network connection.
- **Network connection difficulties can affect metadata**— Intermittent network connection issues can produce unexpected results in sub-clip metadata.
- **Host tables** -- Dyno PA must use a host table that is in sync with the host table on its K2 system.
- **Long GOP MPEG** -- Dyno PA cannot browse long GOP MPEG files, such as XDCAM HD.
- **K2 Summit bin names** -- K2 Summit bins can be created or deleted through the K2 Dyno PA application, but bins must be renamed on the K2 Summit system directly.
- **Sub-clips in the Browse pane might display anomalous behavior**— This occurs because when a sub-clip is loaded in the Browse pane, the master clip is also loaded. You can play past the sub-clips mark-out point. Also, Dyno PA does not prevent you from attempting to create additional sub-clips that are outside the parameters of the loaded sub-clip; however, these new sub-clips are not valid.

Known Issues

PR25219	Description:	If all the K2 Dyno PA clients have been disconnected, the GV Platform Service does not de-initialize the K2 Summit SAN.
	Workaround:	N/A.
PR25229	Description:	The Scheduled Transfers can occasionally display unexpected behavior.
	Workaround:	N/A.
PR25232	Description:	If the K2 Summit system fails while connected to a K2 Dyno PA machine, the Dyno PA machine could experience a period of instability.
	Workaround:	N/A.
PRXXXXX	Description:	If you create a sub-clip, a keyframe from the original clip can appear in the Info tab of the Browse pane even if the keyframe is outside the in- and out-points of the sub-clip.
	Workaround:	Manually delete any extraneous keyframes before creating the sub-clip.
PRXXXXX	Description:	Double-clicking on an asset does not invariably load the asset in the Browse pane.
	Workaround:	Right-click on the asset and use the context menu option to load the asset in the Browse pane.
PRXXXXX	Description:	If transferring multiple assets between bins on the same K2 Summit system, some of the transfers might not be completed.
	Workaround:	When transferring between bins on the same K2 Summit, transfer a maximum of two assets at a time.
PRXXXXX	Description:	If an asset in a managed channel is currently recording or playing, you cannot log metadata.
	Workaround:	N/A
PRXXXXX	Description:	If K2 Dyno PA is started before the K2 Summit SAN system has finished booting up, the K2 Summit SAN clients do not initialize.
	Workaround:	Start the K2 Summit SAN and its clients before starting K2 Dyno PA.
