
K2 Summit 3G Field Kit Upgrade Instructions

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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

Grass Valley Knowledge Base: <http://grassvalley.novosolutions.net/>

In the Knowledge Base you can search by topic, search by product, or browse the Table of Contents to find Frequently Asked Questions (FAQ).

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, Tadjikistan, 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

Upgrade instructions

Use these installation instructions to upgrade your K2 Summit 3G system. Refer to the section in this document that applies to the upgrade kit that you received.

Safety Summaries

⚠ WARNING: *In order to avoid personal injury and prevent damage to this product and its peripheral products, be sure to review all safety and ESD precautions listed in the K2 product Service Manual.*

Installing a MPEG/Multi-Cam codec option upgrade

Prerequisites:

- K2 software version 8.1 or higher is required

Tools and materials needed:

- Codec option card
- #1 Phillips screwdriver

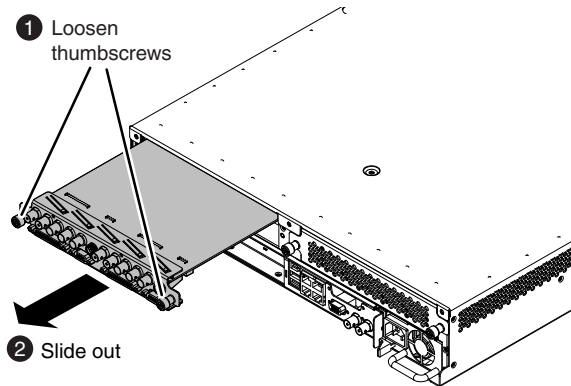
This section provides instructions for the following field kits:

Upgrade Nomenclature	Description
K2-XDP2-MPG-MC-FK	Adds the ability to record up to 4 video streams per codec module using MPEG-2 compression when used in ChannelFlex mode. Includes hardware and K2 AppCenter Elite license.

⚠ CAUTION: *This system contains board-level components that must be protected from static discharge and physical shock. Wear a wrist strap grounded to the system chassis when handling system components.*

1. If you intend to upgrade K2 software along with this Field Kit upgrade, upgrade K2 software first, then continue with this procedure.
2. Shutdown the K2 Summit system.

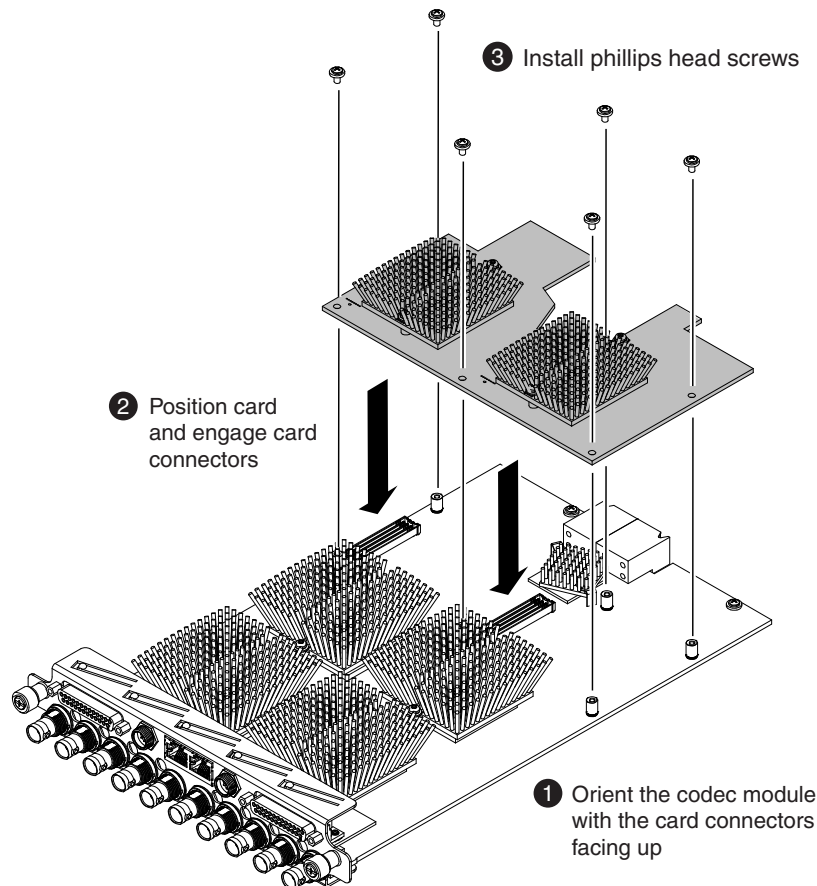
3. Access the rear panel and remove as illustrated.



NOTE: With a firm grip on the metal (EMI) bracket, ensure the board is level and parallel to the card guides to avoid damage to the components on the edge opposite the rear panel.

⚠ CAUTION: Improper handling can damage components on the board. Do not allow the board to come in contact with the chassis sheet metal during removal or installation. The components on the edge opposite the rear panel are the most susceptible to damage.

4. Install codec option card as shown.



5. Install the codec module into the K2 Summit system.
6. Start up the K2 Summit system.
On restart, the K2 Summit system rescans hardware and automatically discovers the codec option card.
7. If a message appears, follow the instructions in the message to either restart or shutdown/startup. This second startup process is necessary so that the K2 Summit system can reconfigure appropriately.
8. After installing the card, install the current version of K2 software and restart.
An over-install is all that is required. You do not need to first un-install the software. This ensures that the board is flashed with the proper version to be compatible with K2 software.

Next, license the K2 Summit system for K2 AppCenter Elite, if it is not already licensed. The license enables the ChannelFlex functionality supported by the codec option card.

NOTE: *Once a channel is operational, if you then remove the codec option card from the codec module you must also delete `C:/profile/config/config.xml`. Failure to do so causes errors in Configuration Manager.*

Installing upgrade licenses

Tools and materials needed:

- The license sheet you received with the upgrade kit.

This section provides instructions for the following field kits:

Upgrade Nomenclature	Description
K2-APPCNTR-ELTE-FK	Extends the feature set of standard App Center and includes all AppCenter Pro features plus ChannelFlex and proxy encoding licenses for 8 channels of low resolution proxy generation. ChannelFlex includes 2x and 3x Super Slo-Mo record, 3D/Video + Key record and play, and Multi-Cam recording.
K2-APPCNTR-PRO-FK	Extends the feature set of standard AppCenter and includes such features as audio track tagging, super out and proxy encoding licenses for 4 channels of low resolution proxy generation.
K2-XDP2-AVC-2CH-FK	Includes AVC-Intra level 50 and 100 and decoding of AVCHD for one codec module.

Work through the tasks in this section sequentially.

Requesting a license

1. If you have not already done so, log on to the K2 Summit system.

NOTE: *You must log in as an Administrator with a local account, not a domain account.*

2. On the Windows desktop in the Grass Valley License Requests folder, open the appropriate license request shortcut.

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 from Grass Valley.

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 a K2 Summit/Solo system and 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, when you receive the email from Grass Valley with your license, add the license to the K2 Summit/Solo system.

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 a K2 Summit/Solo system, if you have not already done so, disable the write filter.
2. Double 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 a K2 Summit/Solo system, if you have completed your changes, enable the write filter.

You should archive the permanent license to a backup system.

Related Links

[Disable write filter](#) on page 9

[Enable write filter](#) on page 10

K2 Summit system procedures

Refer to the following procedures as directed by the instructions for the Field Kit you are installing.

Disable write filter

Prerequisite:

- K2 software must be installed on the K2 Summit/Solo system.
1. If you have not already done so, log on to the K2 Summit/Solo system with Windows administrator privileges.
 2. From the Windows desktop, click **Start | All Programs | Grass Valley | Write Filter Utility**.
FBWF Manager opens.
 3. Under Filter Settings, set Filter to **Disable**.
Do not modify other settings.
 4. Click **OK**.
 5. When prompted, restart the K2 system.

Enable write filter

Prerequisite:

- K2 software must be installed on the K2 Summit/Solo system.
1. If you have not already done so, log on to the K2 Summit/Solo system with Windows administrator privileges.
 2. From the Windows desktop, click **Start | All Programs | Grass Valley | Write Filter Utility**.
FBWF Manager opens.
 3. Under Filter Settings, set Filter to **Enable**.
 4. Under Protected Volumes, set C: to **Protected**.
Do not modify other settings.
 5. Click **OK**.
 6. When prompted, restart the K2 system.