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2000NET

NETWORK INTERFACE MODULE

Release Notes

SOFTWARE VERSION 4.0.2

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DECEMBER 2006

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Grass Valley Web Site

The www.thomsongrassvalley.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.

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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 or 530-478-4148, and ask to be connected to the EH&S Department. Additional information concerning the program can be found at: www.thomsongrassvalley.com/environment

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2000NET Network Interface Module Release Notes

Introduction

This document provides information on the latest release of the network interface software for use with the 2000NET Network Interface Module for controlling the 2000 frames. Read this document completely before attempting to download the latest software.

Pertinent reference documents are available on-line or hard copies can be ordered from Grass Valley.

These documents detail:

- New software features and operation, including enhancements and resolved software issues (page 4),
- Acquiring and Installing Software (page 7), and
- Accessing Reference Documents (page 11).

Version 4.0.2 Software Release

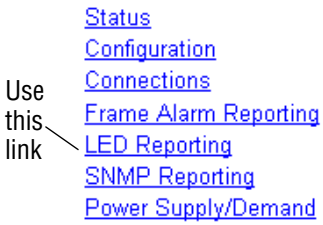
The enhancements and resolved software issues for 2000NET software release 4.0.2 are summarized below.

Enhancements

2000NET Software version 4.0.2 adds the following user interface enhancement:

- **LED Reporting Web Page** – an LED Reporting web page has been added to allow the user to enable/disable LED reporting from frame modules to the 2000NET module, down to the individual module level for fault, signal present, reference lock, and configuration error.

  Selecting the LED Reporting link in the 2000 frame links shown at left brings up the LED Reporting web page (Figure 1 on page 5).



  The **Hardware Switch Status** section of this web page displays the current settings of the DIP switches, S1 and S2, on the 2000NET circuit board. These switches allow enabling and disabling of what status reporting information is provided to the Frame Alarm and SNMP traps.

  Each of the modules installed in this frame are listed on the left side of the **LED Reporting** table. Checking the **Report** checkbox next to a module status reporting condition will report that status of the module function to the LEDs on the 2000NET module. To disable this reporting from an individual module to be reflected on the 2000NET module, uncheck the corresponding checkbox.

  As shown in the example in Figure 1 on page 5, the LED reporting for an Alarm condition, a Signal Loss, Reference Loss, or Configuration Error warning from the module in Slot 9 have been disabled.

  Now if any of the four conditions occur on the module in Slot 1, the LEDs on the front of the 2000NET module will not reflect this module's status.

Figure 1. LED Reporting Web Page

LED Reporting

Model: 2000T3N Description: Module Frame
Frame Location: not assigned

Hardware Switch Status

	HW Switch		HW Switch
PS1 Status Reporting	Enabled	PS2 Status Reporting	Enabled
PS3 Status Reporting	Enabled	PS4 Status Reporting	Enabled
Asynchronous Status Reporting	Enabled	Fan Fault Reporting	Enabled
Module Status Reporting	Enabled	Frame Bus Fault Reporting	Enabled
Frame Remote Control	Enabled	Net Card Remote Control	Enabled

LED Reporting

Slot	Name	Fault	Signal Loss	Reference Loss	Config Error
	SEVERITY	ALARM	WARNING	WARNING	WARNING
1	Media Slot 1	☑ Report	☑ Report	☑ Report	☑ Report
2	Media Slot 2	☑ Report	☑ Report	☑ Report	☑ Report
3	Media Slot 3	☑ Report	☑ Report	☑ Report	☑ Report
4	Media Slot 4	☑ Report	☑ Report	☑ Report	☑ Report
5	Media Slot 5	☑ Report	☑ Report	☑ Report	☑ Report
6	Media Slot 6	☑ Report	☑ Report	☑ Report	☑ Report
7	Media Slot 7	☑ Report	☑ Report	☑ Report	☑ Report
8	Media Slot 8	☑ Report	☑ Report	☑ Report	☑ Report
9	KAM-AV	☐ Report	☐ Report	☐ Report	☐ Report
10	KAM-AV	☑ Report	☑ Report	☑ Report	☑ Report
11	KAM-AV	☑ Report	☑ Report	☑ Report	☑ Report
12	KAM-AV	☑ Report	☑ Report	☑ Report	☑ Report
13	2000NET	☑ Report	-	-	-
15	2000GEN	☑ Report	☑ Report	☑ Report	☑ Report
18	PS1	☑ Report	-	-	-
	PS2	☑ Report	-	-	-
20	PS3	☑ Report	-	-	-
	PS4	☑ Report	-	-	-
	Frame Bus Status	☑ Report	-	-	-
	Fan Status	☑ Report	-	-	-
	Set Defaults	Set All / Clear All	Set All / Clear All	Set All / Clear All	Set All / Clear All

Resolved Software Issues

2000NET Software version 4.0.2 fixes the following software issues:

- A condition in 2000T1N and 2000T3N frames was occurring where disabling the Frame Bus and 2000NET LEDs did not get properly reflected in the Status LED.
- Kameleon HD rear modules were being identified as 2000A89 modules.
- A fan alarm reporting problem was occurring. When the Fan Fault Trap was disabled, the Fan Fault Alarm was also being disabled. These controls are now separate.
- Remote control lockout with the onboard jumper on the media modules would not always prevent configuration changes to the modules.
- The 2000NET module would sometimes fail to recognize when a media module had been swapped in the frame.
- Changes were made to the web browser interface to improve caching action and be compatible with the latest web browser software.

Acquiring and Installing Software

The latest software updates for Grass Valley products are available at the following URL:

`http://gvg.custhelp.com`

This will take you to the Grass Valley Customer Service FAQ data base. The information provided here is the most up-to-date. You may also subscribe to software updates through the FAQ site. This is recommended so that when new versions of software are released, you are notified by E-mail.

Software may also be downloaded directly from the Public folder on the Grass Valley ftp site at this URL:

`ftp://ftp.thomsongrassvalley.com/pub`

Acquiring NetConfig Software

If you do not have NetConfig or the latest version (2.0.7), you can download it from the Thomson Grass Valley ftp site at this URL:

ftp://ftp.thomsongrassvalley.com/pub/router/NetConfig/Version 2.0.7/

1. Right-click on the latest NetConfig link to download the zipped file to the C:\temp folder or other convenient location on your PC.
2. Extract the zipped files onto your local drive:
3. Double-click on the NetConfig.EXE file to install NetConfig.

Note Installing NetConfig into the default location given in the install script (C:\Programs\Grass Valley Group) is recommended for future NetConfig and module software updates.

Acquiring 2000NET Software

To download the latest 2000NET software, do the following:

1. Navigate to the FAQ site and click on the first FAQ, DOWNLOAD THE LATEST SOFTWARE?
2. Select the 2000 Series link.
3. Select the link to the latest 2000NET Interface module software.
4. If you are updating from version 3.2.0 or higher to version 4.0.2, you may use either the .fld or .bin file.

   If you are updating from an earlier version than 3.2.0, use the .bin file and the FTP Server procedure described in detail in the *2000NET Instruction Manual* available on-line.
5. You may also use the NetConfig Networking Application option to update from version 3.2.2 to version 4.0.2 with the .fld file as described next.

NetConfig Software Updating Method

To use this method, your 2000NET module must be running version 3.2.0 or later and you must have the NetConfig Networking Application option running on a networked PC on the same subnet as the frame with the 2000NET module.

Two files are required for updating software, an .fld and an .sw2 for the module being updated. For acquiring software, refer to *Acquiring and Installing Software* on page 7.

To use NetConfig for software updating, follow the steps below:

1. Locate the PC directory in which the NetConfig application has been installed. The default location is C:\Program Files\Grass Valley Group\NetConfig.

   If this is not where NetConfig was installed, right-click on the NetConfig desktop shortcut and select **Properties**, click on the **Shortcut** tab and note the location of the installation in the **Start In** field.

2. Copy the .sw2 file for the module update into the main NetConfig directory.

3. Create a subdirectory named **modular** (if one does not already exist) in the main NetConfig directory.

4. Copy the .fld file for the update into this **modular** subdirectory in the NetConfig directory.

5. The NetConfig Update Devices window will open. Available software updates will be listed. How they appear will depend on the version of NetConfig you have installed. NetConfig version 2.0.7 is shown in Figure 2 on page 10. With this version there may be two directories, **modular** and **Misc**.

6. Open the **modular** folder.

Note These device types and versions represent the .sw2 and .fld files loaded in the NetConfig main directory and the modular subdirectory. These files must be present on the PC running NetConfig for them to appear in the Device Type list.

7. Select the 2000NET (4.0.2) selection in the **modular** folder. In the example in Figure 2, the 2000NET selection has been selected and will be highlighted. All of the modules of this type accessible on the network will appear in the window on the right under the **Client Name** heading as shown.

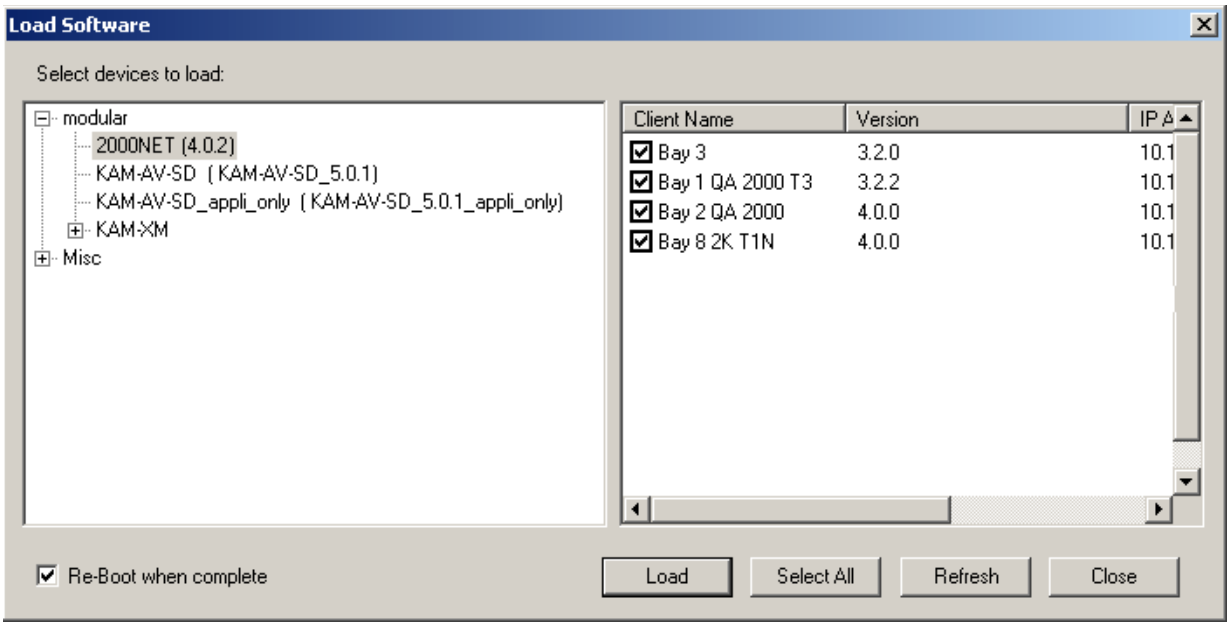
   The current software loaded on each module will be listed as well as the IP address and other information for the module client.

8. Check the corresponding **Client Name** boxes to upgrade the modules or use the **Select All** button to update all modules of this type present on the network.

9. Press the **Load** button to perform the update to all the selected modules.

10. Once the loading is complete, select the **Refresh** button to make sure all selected modules have updated to the correct software version which will be reported in the window.

Figure 2. NetConfig Update Devices Window



11. For more information on using NetConfig, refer to the NetConfig Networking Application Instruction Manual which is included with the option, available on the Thomson Grass Valley web site, and may also be present in the NetConfig directory during some NetConfig installations (Newton Control Panel installation is one example).

Accessing Reference Documents

For on-line access to any of the reference documents referred to in this Release Note, return to the Thomson Grass Valley home page and select the links described below.

- On-line access to instruction manuals in PDF format is available at http://www.thomsomgrassvalley.com/docs.

  For this module, select Broadcast Products/Modular Products/ Kameleon 2000 Signal Processing System Products/Control and Monitoring Products, then select the 2000NET Network Interface Module link.

All of the documents referred to may also be ordered in hard copy from any Thomson Grass Valley Sales or Customer Service source. Refer to *Contacting Grass Valley* at the front of this document.