



# Trinix

Broadlinx Software

Release Notes Addendum

Software Version 3.3.1

# Contacting Grass Valley

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## Grass Valley Web Site

The [www.grassvalley.com](http://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](http://www.grassvalley.com/about/environmental-policy)

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# *Trinix Broadlinx Release Notes Addendum*

**Note** All New 3G boards will have the Broadlinx 3.3.1 firmware installed. The 3.3.1 version of Broadlinx fully supports 3Gbs operations. All Broadlinx boards (NR33000) have the Broadlinx 3.3.1 firmware installed. If your Trinix router is currently running a previous version of Broadlinx, please contact Grass Valley's Technical Support department (+1 800 547 8949 or +1 530 478 4148).

The primary purpose of this document is to identify the software problems that have been corrected in the 3.3.1 version of Broadlinx.

Grass Valley strongly recommends that 256x512 Routing switcher owners update to the 3.3.1 release.

## **Installation Caveats**

No Installation is required for new Broadlinx boards. Broadlinx boards are shipped with the latest version of the Trinix software installed. However, if you are adding a Trinix 3G board or a new HD board, you must do the following where appropriate:

**Note** All frames with TRX-DM256-3G matrix cards **MUST** be updated to the 3.3.0 (or later) release of Broadlinx. This note applies to the 256x512, 512x512, and the 512x1024 frames.

- The Broadlinx software that is currently running on your Trinix Routing switcher must be updated to Broadlinx 3.0.1 (or newer) if you add ANY of the following Trinix 3G boards:
  - TRX-HI-3G
  - TRX-HO-3G
  - TRX-DM128-3G
  - TRX-DM128R-3G
  - TRX-DM256-3G
- You **MUST** do one of the following options when you are adding a new SD or HD board to a Trinix router that is running Broadlinx 2.4.2 or older:

**Note** Selecting one of these options will insure that switches occur at the correct timing position.

- Update the Trinix router to Broadlinx 3.0.1 or newer (most preferred option).
- Down grade the board to the version of Broadlinx that currently running on the router. Contact Grass Valley Technical support for more information (see [Contacting Grass Valley on page 2](#)).

**CAUTION** Grass Valley strongly recommends that users keep all software updated to the latest released version. New boards are **NOT** guaranteed to be compatible with older versions of software. A system failure may occur if a new board is received as a replacement part and then loaded with an older version of software.

## Software Problems Corrected in Release 3.3.1

ID	Corrective Action	Area
61407	The firmware for the H033120 Output board now checks the FPGA version when the processor boots up and will only initialize the FPGA DAC values if the FPGA version is greater than eight.	Firmware

## Known Issues/Limitations

As with any software package, some problems and/or limitations remain. Many of these are known and are detailed below. Please note that the following description of these issues is not an agreement to correct or to modify them.

Area	Issue/Limitation	ID
Broadlinx	All 256x512 frames with TRX-DM256-3G matrix cards must be updated to the 3.3.0 (or later) release of Broadlinx to avoid the input_in_frame equation interpreting the 256x512 frame as a 128x128 frame.	59368
	All frames with TRX-DM256-3G, TRX-DM128-3G, or TRX-DM128-3GR matrix cards MUST be updated to the 3.3.0 (or later) release of Broadlinx. This note applies to any frame using the TRX-DM256-3G, TRX-DM128-3G or TRX-DM128-3GR cards. This is due to the system wide shift in VIT timing that will result in switch timing that will not fall outside of the window specified by SMPTE RP168. (See the "NR and SR cards" note at the bottom of this list)	
SNMP	When using SNMP on multiple frame systems, the SNMP monitored Outputs must be on the 1st frame.	59745
Broadlinx	There is a perceivably long delay after clicking the Firmware Management button on the Broadlinx Configuration web page. The delay is expected and is the result of Broadlinx querying every board in the frame for its loader version.	59450
Web Page	An error message will appear if the Reload button on Broadlinx web page is clicked while the page is reloading.	
Web Page	Do not press the Browser's Refresh button (or press F5 on your keyboard) during the installation. A redrawing issue may occur with the 512x1024 routing switcher's Web page. If you do press the Refresh button, you must reset the bottom half of the 512x1024 frame.	60607
Web Page	The Broadlinx Web page is not accessible if Broadlinx is started without an Ethernet cable or if the Ethernet cable is removed and then inserted after the HTTP Daemon is started. Reboot the Broadlinx board to correct this issue.	112845
Protected Paths	When an un-initialized Broadlinx is made Active in a Trinx router that is using Protected Paths, the Broadlinx board will turn on all router outputs when it is installed. This action is what the board would do when it is installed in a router that does not use Protected Paths. To prevent this condition, the Broadlinx board must be properly initialized before either pressing the Activate button or running the redundancyBoardActivate console command. This procedure is described in the Protected Paths section of the Trinx Installation manual (part # 071827609)	
Encore Controlled Routers	In an Encore controlled router, the Secondary Broadlinx (NR 33000) board will not boot if the Primary Broadlinx board is not present AND when communication to the Status Collector board (SCB) is not available. A condition of this issue is that the Broadlinx Web service may not be available until the communication to the SCB is restored. Restoring communication to the Status Collector board will correct this issue.  <b>Note</b> If you remove the Primary and the Secondary Broadlinx boards, do not swap the board's location as they must be placed back in the original designated slots. That is, the Primary Board must be reinserted into the Primary slot.	113400
Encore Controlled Routers	Switching delays have been seen on partially populated large Trinx frames when using both Encore 1.8 and Broadlinx 3.0.2. This issue has been corrected and upgrading your router to Broadlinx 3.1.0 will solve this matter. Another possible workaround is in the Encore configuration, the active segment size should not be larger than the populated portion of the Trinx matrix..	
NR and SR cards	The VIT signals generated from the NR and SR cards were advanced by 10.3us. All of the legacy matrix/output cards VIT timing will be delayed by a similar amount of time. Grass Valley recommends that you operate with matched versions of boards to meet RP-168 switch points. However, the system will operate but with a minor timing offset.	