



Trinix

Broadlinx Software

Release Notes Addendum

Software Version 3.2.0

Contacting Grass Valley

International Support Centers	France 24 x 7	+800 8080 2020 or +33 1 48 25 20 20	United States/Canada 24 x 7	+1 800 547 8949 or +1 530 478 4148
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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 **3.2.0**

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Note All New 3G boards will have the Broadlinx 3.2.0 firmware installed. The 3.2.0 version of Broadlinx fully supports 3Gbs operations. All Broadlinx boards (NR33000) have the Broadlinx 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 3.2.0 version of Broadlinx.

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:

- 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 3.2.0 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 3.2.0

Area	Corrective Action	ID
Broadlinx Board	Corrected an issue where it was possible for the secondary board to become active before the primary board when resetting or rebooting both NR-3300 (Broadlinx) boards in a redundant system.	113265

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	Work Around	ID
Code Manager/Startup msg	<p>Some of the Code Manager error messages are misleading because of the way messages appear to be generated. Specifically 857 and 882. For example:</p> <pre>20090618.191325: Cannot read directory "/ata0/fpga/restart/" to load (errno 25a0003) (codeManager.cc:857) 20090618.191325: Cannot read directory "/ata0/fpga/restart/" to load (errno 25a0003) (codeManager.cc:882)</pre> <p>Only the last message (882) is displayed. The 857 error is actually a "Duplicate restart file ..." error.</p>	For errors that are logged at start up, the numbers are correct but not the messages.	105540
Encore/Broadlinx	An Invalid level is reported when the Broadlinx card becomes active.		114567
Encore/Broadlinx	When an Encore controlled router is repowered, the secondary Broadlinx card will become active, even when the Primary Broadlinx card was active prior to the restart.		114566
Encore/Broadlinx	The correct cross-point refreshes are lost after a Broadlinx fail-over.	<p>the following is required when changing / inserting a broadlinx board:</p> <ul style="list-style-type: none"> • Clear the broadlinx memory by removing the battery. This will ensure the any stale data in the Matrix map is cleared, just in case this board becomes active BEFORE the new map is loaded (we don't want any stale or unwanted takes to be refreshed on the xpt bus). • Click the Resync Matrices button in the Encore OUI to send the current RCE map to the Matrix controller. <p>This will ensure that BOTH the active and inactive broadlinx boards have the latest takes.</p>	114575
Protected Paths/SNMP	The Protective Paths web page may lock up after a system reboot if SNMP is enabled.	Wait until the web page refreshes itself.	114566

Area	Issue/Limitation	Work Around	ID
Web Page	An error message will appear if the Reload button on Broadlinx web page is clicked while the page is reloading.		
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 Trinix 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 Trinix 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. Note 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
Protected Paths	In a protective paths system, the inactive assigned output will appear as unassigned, when in fact it is assigned. It may take several minutes for the Status to be correctly updated. This issue will be corrected in the planned future release for the Protected Paths feature.		113374
Broadlinx	A "Sendmsg error" message will appear when using an invalid Sync reference. Ensuring that the Sync reference is supplied to both Broadlinx boards and that the SNMP keys are either set or cleared on both Broadlinx boards will correct this issue.		113506
Encore Controlled Routers	Switching delays have been seen on partially populated large Trinix 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 Trinix 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.		