



# MAESTRO

## MULTI-FORMAT MASTER CONTROL

Release Notes Addendum  
Software Version 2.4.0

# Contacting Grass Valley

<b>International Support Centers</b>	<b>France 24 x 7</b>	+800 8080 2020 or +33 1 48 25 20 20	<b>United States/Canada 24 x 7</b>	+1 800 547 8949 or +1 530 478 4148
<b>Local Support Centers (available during normal business hours)</b>	<b>Asia</b>	<b>Hong Kong, Taiwan, Korea, Macau:</b> +852 2531 3058 <b>Indian Subcontinent:</b> +91 22 24933476 <b>Southeast Asia/Malaysia:</b> +603 7805 3884 <b>Southeast Asia/Singapore:</b> +65 6379 1313 <b>China:</b> +861 0660 159 450 <b>Japan:</b> +81 3 5484 6868		
		<b>Australia and New Zealand:</b> +61 1300 721 495	<b>Central/South America:</b> +55 11 5509 3443	
		<b>Middle East:</b> +971 4 299 64 40 <b>Near East and Africa:</b> +800 8080 2020 or +33 1 48 25 20 20		
	<b>Europe</b>	<b>Belarus, Russia, Tadzikistan, Ukraine, Uzbekistan:</b> +7 095 2580924 225 <b>Switzerland:</b> +41 1 487 80 02 <b>S. Europe/Italy-Roma:</b> +39 06 87 20 35 28 <b>-Milan:</b> +39 02 48 41 46 58 <b>S. Europe/Spain:</b> +34 91 512 03 50 <b>Benelux/Belgium:</b> +32 (0) 2 334 90 30 <b>Benelux/Netherlands:</b> +31 (0) 35 62 38 42 1 <b>N. Europe:</b> +45 45 96 88 70 <b>Germany, Austria, Eastern Europe:</b> +49 6150 104 444 <b>UK, Ireland, Israel:</b> +44 118 923 0499		

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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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# *MAESTRO Release Notes Addendum*

This document provides information about issues corrected in the current and recent versions of Maestro software. In addition, issues known to exist in the current version are documented.

**WARNING** Several of the free-standing power supplies provided with Maestro hardware control panels have provided unsatisfactory performance and have failed in the field. The failed supplies are marked as Cinpro model # SPU 130-111. Customers with these power supplies should contact Grass Valley Technical Support for power supply replacement information. Reference: CR 77986.

To accommodate EAS Messaging in the 2.4.0 release several changes were made to Configuration tables. These changes are part of the 2.4.0 version of the Maestro system even if you do not use the EAS Messaging. See the 2.4.0 version of the Maestro Release Notes for more information.

## **Known Issues/Limitations**

**Note** All Maestro processors connected to the same Maestro deployment PC and comprising a single system (all processors interconnected via the same facility and control LANs) must have the same software version and configuration deployed to them. Having different software versions/configurations deployed within a single system is not supported and may result in communication incompatibilities and system failure.

As with any software package, some problems and/or limitations remain. Many of these are known and are detailed in the following pages.

Please note that the following description of these issues is not an agreement to correct or to modify them.

CR	Problem/Limitation	Work Around	Area
114142	The Maestro 2.4 release has improved support for 256 character Fonts. This improvement will help customers whose alphabet characters are not Latin based.	You will need to set the code page on the PC to the appropriate region to use this feature. See the 2.4.0 version of the Maestro Release Notes.	
114635	The SET_MIX Legacy Automation Command unselects the indicated Audio Mixer on both PGM and PST even if the bits are set to only unselect the Audio Mixer on PGM.	It is not recommended that the SET_MIX command be used to select or unselect Audio Mixers directly on the PGM bus due to the immediate, and possibly "harsh", On-Air outcome as a result of instantaneous changes in the ratio of the mixed audio signals. It is recommended that Audio Mixers be selected/unselected on the PST bus and then smoothly transitioned to/from PGM via available Maestro TAKE functionality.	Automation
109920	The "DVE" and "NS" flags cannot be displayed simultaneously when using a Keyer for the background.		DVE
110161	The panel server is not sending the correct color for the current selected Keyer state when it receives an AssignKeyer event.		Automation
110644	The Window's Out Of Memory message appears while loading animation images between 5-8MB when using the Visualization tool. Maestro will crash after the message appears.	Images should be smaller than 5MB.	Visualization tool
113537	The GUI control panel will blank when you download the application's TAR file to the Panel server.		GUI control panel
112246	The total delay through the Maestro system is approximately 1 frame + 1 line +/- 13 microseconds.109898		System timing
112942	Automation interface does not validate the DVE audio mode parameter against the available configured audio modes for the specified DVE Effect (MAESTRO_DVEFFECT)		Automation
112945	You must reboot Maestro when you see a message that says the FTP failed after pressing either "Update" or "Update and Apply" to upload a new configuration.		
	There is a common problem when using Dolby Sync with 720 progressive (720P50 & 720P5994), which is due to the fact that a Dolby frame spans two progressive frame periods.	To work around this problem, Grass Valley recommends using an SD interlaced sync rather than a Tri-level sync for the Maestro sync reference.	Audio
	There will be a 1 frame latency if you use any release prior to version 2.2 AND if you do not have a DVE. Re-timing your system will correct this issue.		
	Deploying the Spanning Tree protocol within network switches may result in excessive delays before reliable and available communication paths are established in Maestro. Using the Spanning Tree protocol, especially if Maestro communication paths are not established within 15 seconds, may inhibit communications between the Maestro processor and the Deployment PC during startup, which can result in startup and hot-swap issues. Maestro users that make use of the Spanning Tree protocol must assume all risk and liability.		
113343	There is a known issue where the slider does not reposition to the adjusted value after making a fine adjustment to the Horizontal and Vertical position of a keyer and releasing the mouse button. However, the displayed numeric value is correct.		GUI PC

CR	Problem/Limitation	Work Around	Area
113288	There is a known issue where you cannot change the Overlay setting from False to True on the Maestro GUI PC.	To work around this problem, Grass Valley recommends the following steps: 1. Shut down the GUI application. 2. Open Notepad, or a similar text-editing application 3. Open the AppConfig.xml file (C:\Program files\Thomson\Maestro Software Package\GUI Control Console\AppConfig.xml) 4. Find the VideoOverlay setting and change to either True or False. 5. Save the changes to the AppConfig.xml file and then close. 6. Start the GUI application.	GUI PC
	Animation files cannot be larger than 175 MB when converted to the Maestro internal file format (.mim). Due to variations in compression formats, such as the animation size on the screen and the video standard, the final compiled version (.mim) may be 20 times larger, or more than the original file. Maestro does not currently have a method for reporting file size before loading the file. Manual intervention is required at the Deployment console to verify that the compiled version is within the size limitation. See Appendix B in the 2.2 version of the <i>Maestro Master Control Users Guide</i> for example information and formulas that will help determine the applicability of the Animation feature in your facility.		
--	Modification of certain configuration tables requires an "NVRAM Clear" command to be sent to the Processor after downloading the modified configuration file to that Processor.  <b>The Clear NVRam command will interrupt the audio and video signals passing through the system.</b>  This requirement applies to the following tables:  <ul style="list-style-type: none"> <li>• RCS Configuration Server table</li> <li>• Level table</li> <li>• Audio Output table</li> <li>• Audio Input table</li> <li>• Input table</li> <li>• Interconnection table</li> <li>• Background Buttons</li> <li>• Key Fill Association table</li> <li>• Wipe Transitions table (only if a wipe is active)</li> <li>• DVE Configuration table (only if a DVE effect is active)</li> <li>• Channel Setup table</li> </ul>	To minimize the impact of this requirement, the following rules are suggested:  1. Before downloading a modified Wipe Transitions or DVE Configuration table, make sure that no wipe or DVE effects are active (i.e., selected on the control panel).  2. After modifying any of the other tables listed above: a) Bypass the Maestro System. b) Use the "Update" command instead of the "Update and Apply" command in the Deployment application, software section. c) Select the channel or channels you when apply changes to, apply pending. d) Select the "Clear NVRam" button; wait for the control panel to become active. e) Verify that the output signals are correct. f) Remove bypass.  Following these rules will avoid interruption of signals.	Configuration
109898	After an NVRamClear execution, the GUI Control Panel's DVE Next Transition button will be black instead of gray.	Once the DVE Next Transition button is selected again then is deselected, the button will return to gray.	GUI CP
66442	There is "padding" at the end of the LAN IP Address field, in the Network Description table, that should not be present.	The Delete key on the key board must be selected twice to remove the last digit.	Configuration
78658	Sending 1:00:00 or 1:00:01 to the timer results in a display of 00:59:28 and 00:59:29 respectively. This is a Time-code Drop frame issue.		Timer
81709	Maximum supported HD cable length to Maestro inputs is 80 meters instead of the specified 100 meters.		Hardware Specifications

CR	Problem/Limitation	Work Around	Area
87767	Force pass-through stereo mode does not function as documented in the 1.3 Release Notes. Status to the operator panels is not always correct.		Configuration Documentation
92379	When one of the audio mix-overs is selected as the monitoring point in the audio control panel LCD screen, the breakaway status screen does not reflect any changes on the PGM, PST and AUX busses.		Hardware control panel and GUI
93331	The display of items in the Audio Control panel options screen may not be consistent when delegating to another channel and then returning to the original channel. For example, if the audio meter scale is changed from PPM to VU on "Channel 1" and then the panel is delegated to "Channel 2," when the panel is delegated back to "Channel 1" the meter display shows the PPM scale even though the option screen still shows that VU is selected. This may also occur on other options such as Phase Display On/Off.		Hardware control panel and GUI
98285	Not all columns in the Channel Setup table can be viewed in a single screen width. Clicking to the right of the horizontal scroll bar to move the screen one page may skip some columns so that not all columns are displayed.	Use the horizontal scroll bar to scroll from left to right as needed to display and enter data in all columns.	Configuration Editor
98896	The Close button in the Content Download Status window is not active when the window is open in the Deployment Center; even if focus is on that window or if when you right-click the FPGA version number.	The FPGA Version window must be closed in order for the Close button in the Content Download Status to become active.	Deployment Center
110447	When a Still image is used as the background for a DVE Effect, the image must be created at full screen so the image's position cannot be adjusted. Stills are loaded into the upper left corner of a frame buffer and then the frame buffer is positioned using the frame buffer offset parameters. When the upper left corner of the frame buffer is moved there will be no background available and a green screen in the areas that the frame buffer does not cover.		DVE Effect
110790	When branding parameter changes are made on the PGM bus (Program) they are retained in source memory. For example, when the image position of a Still image is changed.		Keyer Source Memory
110791	Converted animation file cannot be larger than 175 MB in size.		Content Management

## Functions Not Presently Available

This table lists functions not otherwise described under "Known Problems/Limitations."

Area	Function
System	Bus tally not supported by Encore-controlled systems
System	Black hold not available
System	Master control log file not available
Video	Multiplicative keying not available (keys are additive only)
Video	HSL key adjustment not available
Audio	Source parameter memory will not retain modifications after source was selected if power is cycled
Control panel	VGA (Audio Control) display brightness memory not available