



Maestro

MULTI-FORMAT MASTER CONTROL

Release Notes Addendum

Software Version 2.2

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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 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



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.

Corrected Issues in the 2.2 Version

CR	Correction	Area
108737	A non-sync condition now inhibits Wipe effects, where X-fade transitions were only affected before.	Wipes
	Two distinct video artifacts that were identified in the 720-Line Progressive video standard have been corrected.	720-Line Progressive video standard
	The HANC data is now preserved when Maestro is embedding audio for output.	Embedding audio
100275	Closed Captioning will now bypass DVE or other transition processing for both VBI fields. This improvement is specific for the 480I standard.	Configuration Editor

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 below.

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

CR	Problem/Limitation	Area
	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 reference sync.	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. Using the Spanning Tree protocol, especially if 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.	
	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 up to 20 times larger 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> (Part # 071848204) for example information and formulas that will help determine the applicability of the Animation feature in your facility.	
--	<p>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.</p> <p>The Clear NVRam command will interrupt the audio and video signals passing through the system.</p> <p>This requirement applies to the following tables:</p> <ul style="list-style-type: none"> • RCS Configuration Server table • Level table • Audio Output table • Audio Input table • Input table • Interconnection table • Background Buttons • Key Fill Association table • Wipe Transitions table (only if a wipe is active) • DVE Configuration table (only if a DVE effect is active) • Channel Setup table <p>To minimize the impact of this requirement, the following rules are suggested:</p> <ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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. <p>Following these two rules will avoid interruption of signals.</p>	Configuration
66442	In the Network Description table, LAN IP Address field, when selecting the field for editing there is padding at the end that should not be there. "Delete" 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 from router outputs to Maestro inputs is 80 meters instead of the specified 100 meters.	Hardware Specifications

CR	Problem/Limitation	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	With the Content Download Status window open In the Deployment Center, the 'Close" button is not active even if focus is on that window if a right-click action on the FPGA version number is performed. 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, Still image position changes.	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 since source was selected if power is cycled
Control panel	VGA (Audio Control) display brightness memory not available