

# Maestro

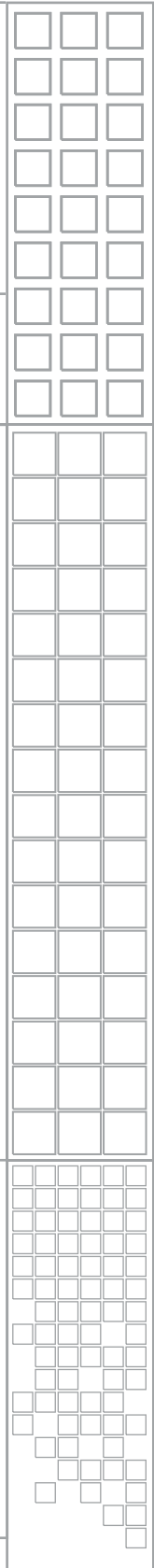
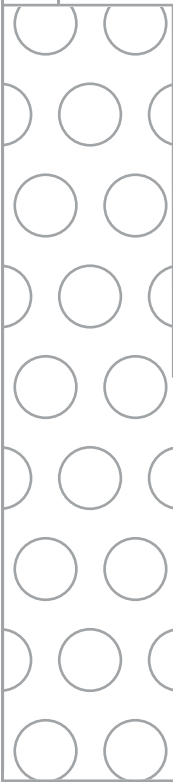
MULTI-FORMAT MASTER CONTROL

## Release Notes Addendum



SOFTWARE VERSION 1.5.1

071850706  
March 20, 2008



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The [www.thomsongrassvalley.com](http://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.

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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 No. SPU 130-111. Customers with these power supplies should contact Grass Valley Technical Support for power supply replacement information. Reference: CR 77986.

## Problems Corrected

CR	Problem	Area
	Corrected a problem where Jupiter ES Router Control logical inputs greater than 255 were not handled properly. This could result in no source, or an incorrect source, being routed when attempting to use of a logical input greater than 255.	Jupiter Router Control System
87599	For Encore-controlled Maestro systems, it is possible for Encore to run out of TCP/IP sockets and to refuse additional Native Protocol client connection requests from Maestro processors. This usually occurs after numerous Maestro processor reboots as a result of the software update, hardware installation and troubleshooting processes. This issue is resolved as follows:  <ol style="list-style-type: none"><li>1. In the Encore OUI, select the Panel Server application</li><li>2. Select "RCL Server."</li><li>3. In the "Ethernet RCL Client" section, select a Maestro processor.</li><li>4. Select "Flags and Parameters."</li><li>5. Set the "Refresh Rate" to 60 (default is 0).</li><li>6. Repeat steps 3-5 for any additional Maestro processors.</li><li>7. When finished setting the refresh rate on all Maestro processors, return to the Panel Server page and click on "Modify" to save changes.</li></ol>	Documentation

## Problems Corrected with Release 1.5

CR	Problem	Area
66802	Video overlays in GUI control panel sometimes go black. Restoration of the video overlays required manually maximizing and then minimizing the overlay screens. This has been corrected. The fix may cause an occasional minor video overlay flicker, but, they will not go black.	GUI
73166	A previous code release corrected the issue of labels getting stuck on LCD buttons. In most cases, LCD button issues are corrected. However, some LCD buttons may flicker with the new code. Customers with buttons showing this behavior should contact Grass Valley Technical Support for button replacement information or other possible solutions.	Hardware control panel
75238	The Delegation Channel number in the Channel Delegation table does not correspond with a specific button location in a specific channel bank. This has been corrected. Assigning a channel to delegation channel number 7, for example, will now cause that channel ID to appear on the third button of Channel Bank 2 even if lower numbered buttons have no channel assignments.	Configuration
75395	Condition of the backup battery on the rear panel cannot be monitored using the Deployment Control Center. This has been corrected with the addition of the Battery Charging Status display documented in the v1.5 Release Notes.	NVRAM backup battery
78612	On the GUI Audio sub panel, when the "OPT" button is selected: Phase, Balance, and Level sliders are present but changes do not take effect and the sliders snap back to the previous settings. This has been corrected.	GUI
78613	On the GUI Audio Sub Panel, when the "OPT" button is selected, a "Brightness" slider is displayed but does nothing. This has been corrected.	GUI
80656	"Apply Pending" is not displayed for all boards after an update. This has been corrected.	Deployment Center
82000	Audio mix stops working after stop and restart of the frame processor. This has been corrected.	Audio mix
83880	The small audio meters on the GUI main screen drill down to a specific audio group when a drill down menu is accessed for a specific group from the Audio Control panel. These small audio meters should always display all defined groups. This has been corrected.	GUI
84040	Automation Input table can be configured with duplicate automation source numbers. This problem has been corrected.	Configuration
84055	After selecting a category in the GUI source assignment panel, the Up and Down arrow buttons are illuminated but they have no labels. This has been corrected.	GUI

## Problems Corrected with Release 1.4

CR	Problem	Area
--	Hardware control panel did not properly update source names on LCD buttons. This has been corrected.	Hardware control panel
68286	Changes made to the Input Set, compiled, and loaded to the Processor were not reflected in the GUI Source Assign panel unless the application was shut down and restarted. This has been corrected.	GUI
71392	Save Assignment function did not indicate any associated types already saved in a storage location. This has been corrected.	Save Assignment Set
71555	The brightness adjustment did not seem linear. A 1% change at low values (<25%) was very noticeable compared to a 1% change at high values (>60%). This has been corrected.	Hardware control panel display
72300	After selecting a channel, it took between 4 and 10 seconds to access and control the channel. This has been corrected.	Multi-channel systems
74101	When performing a "hot take" on the PGM bus, there was visible video "glitching." A normal take from PST to PGM did not exhibit this glitching nor did switching the sources directly from the router control system. In these latter cases, the video switched cleanly. This has been corrected.	Hot Take
75191	The battery on the rear panel did not hold a charge. In most cases, the battery will now remain charged for 36 hours. Refer to Field Modification Note 075079500, <i>Maestro Processor Backup Battery, CP Server, and CP FPGA Upgrade</i> .	NVRAM backup battery
75687	A configuration with a stereo embedded audio signal worked correctly, but a second embedded audio pair would not pass a Dolby-E signal through the mixer. Corrected.	Embedded audio
78602	Wipe border color was displayed incorrectly. This has been corrected.	Wipe effect
79094	Non-sync flags are now displayed on the graphical user interface (GUI).	GUI
79471	v1.3 software install / upgrade does not uninstall previous version and does not provide option for placing icons on the desktop. v1.4 now notifies operator when previous version must be uninstalled and provides the option of placing the icons.	Software installation
79498	With a source defined as embedded, Maestro did not know what to do if there was no audio attached to that source. Corrected.	Embedded audio
80792	Audio sample alignment slipped in de-embedders. Corrected.	Embedded audio
80949	Non-sync status wasn't displayed on GUI panel Keyer buttons. Corrected.	GUI
81047	Non-Sync status indicator was not cleared on keyers when delegating or after clearing NVRam. Corrected.	Non-sync indicators

## Problems Corrected with Release 1.3

CR	Problem	Area
66992	When some embedded audio sources were selected, there was no metering on the GUI control panel. Audio transitions were cut even if cross-fade was selected. This has been fixed.	Embedded audio
67462	Output Protect was not available for CM-4000 serial connection or VM-3000. This has been fixed.	Output protect
67888	If Jupiter switched router outputs feeding Maestro to sources unknown to Maestro, Maestro would not refresh those outputs properly. This has been fixed.	Jupiter
70351	When using the Deployment Control Center to reset a hardware control panel, the panel appeared to be frozen (audio meters freeze, buttons and displays stay lit). The control panel now goes to a not connected state where the meters don't show anything and the buttons and displays aren't lit.	Deployment Control Center
71182	Save/Recall function was not available. This has been fixed.	Control panel
71447	The PREROLL TAKE button on the hardware control panel was inoperative. It now operates the same as the TAKE button. (The machine control function is not presently available.)	Hardware control panel
71448	During a transition, only the initiating Control Panel illuminated its TAKE button. All Control Panels delegated to that channel now indicate the transition by properly illuminating the TAKE button.	Multiple-control panel systems
71785	When only audio mono group outputs were defined there was no audio output. This has been fixed.	Mono-only configurations
72240	Maestro now protects associated router outputs controlled by Jupiter CM-4000.	Jupiter CM-4000 systems
73227	During automation control, source assignments were being made but not selected. This has been fixed.	Automation
74101	Selecting a source directly on the Program bus ("hot take") no longer causes a disturbance in the Program video signal. Selecting a source on the Preset Bus no longer causes a disturbance in the Preset video signal.	Video
74553	Clicking a mix monitor point multi times did not change the title. This has been fixed.	Audio
75149	During automation control, extended Maestro command MAESTRO_TAKE within a Sequential Transaction Queue became stuck in the queue causing failures of subsequent commands. This has been fixed.	Automation
75687	When using embedded audio with two audio pairs, the first pair was processed properly but the second embedded audio pair, which was a Dolby E signal, was not. This has been fixed.	Embedded audio
75798	Pressing two PGM or PST buttons at the same time sometimes caused both buttons to remain lit. This has been corrected.	Hardware control panel
75850	Switching from an embedded source to an AES source back to the embedded source resulted in no audio output; video was tallied and switched properly. This has been corrected.	AES/embedded switching
76370	LAN communication to Jupiter CM-4000 occasionally failed on startup. This has been corrected.	Jupiter CM-4000 systems
78479	Frequently needed to click "Refresh" to remove "Apply Pending" following a "Select and Apply" command. This has been corrected.	Deployment Control Center
78600	Non-synchronous keys were not indicated on the control panels. This has been corrected.	Control panels

## Problems Corrected with Release 1.2

CR	Problem	Area
66801/ 67397	GUI audio meters would occasionally freeze and quit updating with current meter data.	GUI
67400	A Dolby 5.1 audio group can now be selected for monitoring.	Dolby 5.1
67433	Native Protocol now supports redundant System Controller Boards.	NP (Encore)
67456	GUI meters, clocks, and segment timers would occasionally freeze due to two instances of MCPANEL.exe running simultaneously. Two instances are now prevented.	GUI
67462	Output Protect is now functional with Encore and with Jupiter CM-4000 ES-LAN connections. (Not available for CM-4000 serial connection or VM-3000.)	Output protect
67728	Cross fade (dissolve) transition is inhibited by false non-sync indication (when sources are actually synchronous). This has been fixed.	Control panel
68115	If status from Jupiter to Maestro is interrupted because of disconnected cable, when cable is reconnected Jupiter will not re-send status until a new switch is executed. This has been fixed.	Jupiter
68162	Error LED on Frame Processor board behaved inconsistently. This has been fixed.	Frame processor
69133	Time clock was jumping around; hours, minutes, sec were not changing but frames were.	Clock, segment timer
69228	Monitor Potentiometer is now graduated in 0.5 dB increments instead of 0.1 dB increments.	Control panel
69535	Text on GUI panel buttons was limited to approximately 6-8 characters because the text did not wrap to a second row.  Resolution: PGM buttons now wrap text that does not fit on a line. In wrapping, the following characters are given priority in defining a break point: space, dash, underscore, uppercase following 2 or more lowercase characters. If none of these are found, the button caption is broken in the middle (up to a maximum of 16 characters).	GUI
69658	GUI and hardware control panel audio meters didn't always show the correct data for the selected source. This has been fixed.	Audio metering
69661	When audio mix was selected, only one channel of audio meters was shown. This has been fixed.	Audio metering
69662	The soft label associated with current monitor source selected on the audio panel (first soft button) didn't update properly all the time. This has been fixed.	Audio monitoring
69845	Audio modes (left-only, right-only, mono, channel reverse, etc.) were not being saved in memory properly. This has been fixed.	Audio modes
69855	On the Audio subpanel (Hardware Control Panel), the Mix displays indicate numerical values even when no source is selected and no adjustment is possible. The displays are now blank when no source is selected.	Audio controls
69897	Making any change to the "Folder" field in the Configuration box of the Deployment Control Center menu, including re-selecting "C:\Thomson," deleted all files in that directory. This has been fixed.	Deployment Control Center
69898	Users can now copy a configuration file (.xml file) from the Frame Processor board to a PC, edit the file, and copy the file back to Maestro.  To retrieve a global configuration from a board, go to the Deployment application, right-click on the global configuration file name on that board, and follow the prompts. CAUTION: uploading a configuration from a board will overwrite existing configurations with the same name.	Configuration
70464	Clicking on "Reset" now displays an "Are you sure?" message.	Deployment
70678	Phase indicator is now working on GUI audio meters.	GUI
71745	Video Clean Feed Outputs had the wrong audio embedded. This has been fixed.	Embedded audio
71984	Embedded audio PGM output is now recognized by Vibe.	Embedded audio

## Problems Corrected with Release 1.1

<b>CR</b>	<b>Problem</b>	<b>Area</b>
66759	Clean feed output does not fade to black. This has been corrected.	Video
67028	In the RCS Connection Table, Protocol column, if the mouse is used to open the drop-down menu the keyboard cannot be used to type in the entry. This has been corrected.	Configuration
68162	The Error LED on the frame Processor board is does not seem to operate consistently. This has been corrected.	Processor
68382	Control panel LCD button displays may be black following initialization. This can be cleared by making a new selection. This has been corrected.	Control panel
68485, 68435, 68672	Time required for channel delegation is inconsistent. This has been corrected.	System



## Known Problems/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 modify them.

CR	Problem/Limitation	Area
--	<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><b>The NVRAM Clear command will interrupt the audio and video signals passing through the system.</b></p> <p>This requirement applies to the following tables:</p> <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> <p>To minimize the impact of this requirement, the following rules are suggested:</p> <ol style="list-style-type: none"> <li>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).</li> <li>2. After modifying any of the other tables listed above: a) use the "Update" command instead of the "Update and Apply" command in the Deployment application, b) bypass the Maestro system, c) select the "NVRAM Clear" command, d) wait for the control panel to become active, e) verify that the output signals are correct, and f) remove the bypass.</li> </ol> <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
69289	Audio Clean Feed out has mix-overs in it.	Audio clean feed
77986	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 No. SPU 130-111. Customers with these power supplies should contact Grass Valley Technical Support for power supply replacement information.	Hardware control panel
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 Timecode drop frame issue.	Timer
80740	Audio sample delay for all AES pairs is sometimes not identical. Partially corrected.	AES audio
81000	Audio monitor level control clicks when adjusting gain down.	Audio monitor
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
84106	Following a change of video standard (e.g. 480i to 1080i), a board reset is currently required after an "Update and Apply" of the new configuration.	Configuration
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
87768	When a compressed audio source such as Dolby E or AC-3 is present on an Aux bus source, the audio group button does not turn red as it does for sources on the Program and Preset busses.	Hardware Control Panel and GUI
87826	When either or both of the Source Control buttons are illuminated in the GUI, a number of other buttons (Take, Silent, Fade) are disabled.	GUI
--	Maestro v1.3 Release Notes, document no. 071850603, contains the following errors:  1) On page 69, Figure 32, "GPIO Port Circuitry," the drawing includes the statement "Maximum current through relay = 1 A." Maximum current is actually 250 mA.  2) On page 75, Figure 36, "Example of Wiring for Single Port Connection between Maestro and Tally Light," Note 2 states "Maximum Current through Maestro GPIO relay = 1 A." Maximum current is actually 250 mA.	Documentation

## Functions Not Presently Available

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

Area	Function
System	Branding engine option not available
System	Bus tally not supported by Encore-controlled systems
System	VBI configuration not available - pass-through only
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