

HMP-1801 - Upgrade Package

UPGRADE PACKAGE RELEASE HISTORY

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version			
5.3.0	5.3.0	5.3.0	2017-04-12	(go)	M864-9900-108
5.2.2	5.2.2	5.2.2	2015-02-09	(go)	M864-9900-108
5.2.1	5.2.1	5.2.1	2014-10-27	(go)	M864-9900-108
5.2.0	5.2.0	5.2.0	2014-09-18	(go)	M864-9900-108

NOTES: The iControl compatibilities shown below are officially supported by Grass Valley. Earlier versions may also work, with bugs or limited features.

The Reference number (Ref#) given for each feature or bug in these Release Notes refers to internal Grass Valley documentation.

Contact tech support if the firmware version installed on your HMP-1801 is 4.0.1 or less.

UPGRADE PACKAGE: 5.3.0

Release date: 2017-04-12

iControl compatibility: 5.00+

iControl Solo compatibility: 6.00+

RCP-200 compatibility: N/A

Hardware compatibility: This upgrade package applies to all existing hardware assemblies.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
HMP1801-1252	JWrapper for Media Manager Need to convert the current Media Manager application of the HMP-1801 which is currently "Web Start" to JWrapper. This is to be independent of the customer's Java version.

BUGFIXES

Bug#	Description

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	Internet Explorer is required to upgrade the HMP-1801 using the web updater
HMP1801-1264	Java 1.8.0 must be installed. Java 1.8.0 must be installed and the HMP-1801 IP must be added to the Java security list so that the Media Manager will open. This Java version is also needed so that the user could use the web update feature.

HMP1801-1259	<p>AFD not present on output playback</p> <p>The HMP-1801 does not output AFD in HD or SD when playing back a clip with known AFD in the signal.</p>
N/A	<p>The HMP-1801 doesn't allow FTP transfers while in Record or Playback state</p>
N/A	<p>System test were done on Windows 7 professional 64 bit operating system.</p>
N/A	<p>Teletext is not supported by the HMP-1801</p>
34576	<p>Output 2, audio muting after shuffler adjustment</p> <p>Bug found in 5.0.3</p> <p>When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.</p>
35246	<p>ComboBox in Cliplist edition window truncates the full essence name</p> <p>For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width.</p> <p>WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.</p>
35107	<p>Improper ingest validation of .AVI video using invalid format</p> <p>When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts.</p> <p>Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i</p>

UPGRADE PACKAGE: 5.2.2

Release date: [2015-02-09](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: N/A

Hardware compatibility: [This upgrade package applies to all existing hardware assemblies.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
N/A	Fixed programming issue in production

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	Output 2, audio muting after shuffler adjustment Bug found in 5.0.3 When the configuration for the second output is set to "Copy Output 1",

	adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.
35246	ComboBox in Cliplist edition window truncates the full essence name For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width. WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.
35107	Improper ingest validation of .AVI video using invalid format When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts. Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i

UPGRADE PACKAGE: 5.2.1

Release date: [2014-10-17](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: N/A

Hardware compatibility: [This upgrade package applies to all existing hardware assemblies.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
HMP1801-1248	Shellshock security vulnerability The product runs the Bash shell and thus has the Shellshock security vulnerability.

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	Output 2, audio muting after shuffler adjustment Bug found in 5.0.3

	<p>When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.</p>
35246	<p>ComboBox in Cliplist edition window truncates the full essence name</p> <p>For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width.</p> <p>WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.</p>
35107	<p>Improper ingest validation of .AVI video using invalid format</p> <p>When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts.</p> <p>Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i</p>

UPGRADE PACKAGE: 5.2.0

Release date: 2014-09-18

iControl compatibility: 5.00+

iControl Solo compatibility: 6.00+

RCP-200 compatibility: N/A

Hardware compatibility: This upgrade package applies to all existing hardware assemblies.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
HMP1801-1247	Added support of 64GB and 128GB compact flash

BUGFIXES

Bug#	Description

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	Output 2, audio muting after shuffler adjustment Bug found in 5.0.3 When the configuration for the second output is set to "Copy Output 1",

	adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.
35246	ComboBox in Cliplist edition window truncates the full essence name For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width. WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.
35107	Improper ingest validation of .AVI video using invalid format When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts. Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i

FIRMWARE VERSION: 514

Release date: [2013-06-10](#)

iControl compatibility: [3.61 \(build 33\) and up](#)

iControl Solo compatibility: [3.70 \(build 3\) and up](#)

RCP-200 compatibility: [1.40 \(build 755\) and up](#)

Custom software compatibility: [NA](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

Important note: [Please refer to the compatibility matrix in order to apply the correct upgrade procedure.](#)

- [To reinforce a major fix of version 502 \(see note in release notes 502 about bug #29225\) where an improper video essence encoding would result in a card freeze, it is no longer allowed \(since 511\) to import HMP archives or .avi that use a wrong codeblock encoding. When trying to import an archive with improper codeblock you will receive the message “**The file has unsupported JPEG2000 codeblock size**”. The video essences need to be reingested from the source files with Media Manager or Vertigo XMedia Suite 4.8.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
HMP1801-1240	<p>Thumbnail not always displayed in Media Manager when ingested from XPlorer</p> <p>Bug found in 5.1.3</p> <p>Sometimes, the Media Manager application does not display the thumbnail image for few clips on the card. This only happens when ingested from</p>

	XPlorer.
HMP1801-1230	<p>Serial VDCP control not always listing all the clips</p> <p>Bug found in 5.1.2</p> <p>Using the VDCP serial control of the card, when fetching the list of clips using this channel, the card was not always returning the complete list and was hanging. This was only happening when the number of clips exceeded 24 on the card.</p>

KNOWN BUGS & LIMITATIONS

Bug #	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	<p>Output 2, audio muting after shuffler adjustment</p> <p>Bug found in 5.0.3</p> <p>When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.</p>
35246	<p>ComboBox in Cliplist edition window truncates the full essence name</p> <p>For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width.</p> <p>WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.</p>
35107	<p>Improper ingest validation of .AVI video using invalid format</p> <p>When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts.</p>

	Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i
--	--

FIRMWARE VERSION: 513

Release date: [2013-02-20](#)

iControl compatibility: [3.61 \(build 33\) and up](#)

iControl Solo compatibility: [3.70 \(build 3\) and up](#)

RCP-200 compatibility: [1.40 \(build 755\) and up](#)

Custom software compatibility: [NA](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

Important note: [Please refer to the compatibility matrix in order to apply the correct upgrade procedure.](#)

- [To reinforce a major fix of version 502 \(see note in release notes 502 about bug #29225\) where an improper video essence encoding would result in a card freeze, it is no longer allowed \(since 511\) to import HMP archives or .avi that use a wrong codeblock encoding. When trying to import an archive with improper codeblock you will receive the message “**The file has unsupported JPEG2000 codeblock size**”. The video essences need to be reingested from the source files with Media Manager or Vertigo XMedia Suite 4.8.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
HMP1801-1232	KEY output has colour in it Bug found in 5.1.2, present also in 5.1.1. Intermittent problem, sometimes the KEY output has colour in it, while it should always be a grey pattern.

HMP1801-1231	<p>MODE Key not working fine in SD-SDI 625 50 Hz</p> <p>Bug found in 5.1.2, present also in 5.1.1.</p> <p>When the reference is set to "External" or "URS" there was no KEY output. Setting reference to "Internal" was working.</p>
--------------	---

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	<p>Output 2, audio muting after shuffler adjustment</p> <p>Bug found in 5.0.3</p> <p>When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.</p>
35246	<p>ComboBox in Cliplist edition window truncates the full essence name</p> <p>For a video/audio essence with a large name, the name is truncated because the ComboBox is of fixed width.</p> <p>WORKAROUND: In the case where 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.</p>
35107	<p>Improper ingest validation of .AVI video using invalid format</p> <p>When ingesting an .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding starts.</p> <p>Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i</p>

FIRMWARE VERSION: 512

Release date: [2012-06-18](#)

iControl compatibility: [3.61 \(build 33\) and up](#)

iControl Solo compatibility: [3.70 \(build 3\) and up](#)

RCP-200 compatibility: [1.40 \(build 755\) and up](#)

Custom software compatibility: [NA](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

Important note: [Please refer to the compatibility matrix in order to apply the correct upgrade procedure.](#)

- [To reinforce a major fix of version 502 \(see note in release notes 502 about bug #29225\) where an improper video essence encoding would result in a card freeze, it is no longer allowed \(since 511\) to import HMP archives or .avi that use a wrong codeblock encoding. When trying to import an archive with improper codeblock you will receive the message “**The file has unsupported JPEG2000 codeblock size**”. The video essences need to be reingested from the source files with Media Manager or Vertigo XMedia Suite 4.8.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
35028	<p>Clip loops forever when clicking play during playback</p> <p>Bug found in 5.0.3</p> <p>It is possible to have a clip playing continuously even if set to play once by:</p>

	<ol style="list-style-type: none"> 1- CUE and PLAY a CLIP A 2- CUE again CLIP A as soon as it start 3- PLAY CLIP A around 2 seconds of playback of the initial CUE and PLAY 4- The clip may loop forever even if property is set to play once. <p>WORKAROUND:</p> <ol style="list-style-type: none"> 1- Create a CLIP B that point to the same video essence than CLIP A. 2- CUE and PLAY CLIP A 3- CUE CLIP B as soon as it start 4- PLAY CLIP B anytime 5- The clip will play once (a copy of CLIP A)
35495	<p>Media Manager displays "Unknown Error"</p> <p>Bug found in 5.1.1</p> <p>When starting the application for the first time or when switching between PLAYBACK and RECORD mode, the Media Manager was sometimes displaying "Unknown Error". This error had no consequence on the operation.</p>
36076	<p>Oxtel command CUE not working after recently imported clips</p> <p>Bug found in 5.1.1</p> <p>After publishing a clip to the HMP-1801 card, it is impossible to CUE the clip using the Oxtel protocol.</p> <p>WORKAROUND:</p> <ul style="list-style-type: none"> - Reseat the card or - Switch between PLAYBACK and RECORD mode.
36292	<p>Output of timecode from a clip without timecode</p> <p>Bug found in 5.1.1</p> <p>It was possible in some situations to have timecode output for a clip that doesn't have any:</p> <ul style="list-style-type: none"> - Import a single clip image using MEDIA MANAGER (no timecode) - Record a clip with timecode - Play the clip with timecode - Play the clip without timecode (random timecode would be at the output)

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	Output 2, audio muting after shuffler adjustment Bug found in 5.0.3 When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.
35246	ComboBox in Cliplist edition window truncates the full essence name For video/audio essences with large names, the name is truncated because the ComboBox is of fixed width. WORKAROUND: In the case 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.
35107	Improper ingest validation of .AVI video using invalid format When ingesting a .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding will start. Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i

FIRMWARE VERSION: 511

Release date: [2012-03-26](#)

iControl compatibility: [3.61 \(build 33\) and up](#)

iControl Solo compatibility: [3.70 \(build 3\) and up](#)

RCP-200 compatibility: [1.40 \(build 755\) and up](#)

Custom software compatibility: [NA](#)

Hardware incompatibility: [This firmware applies to all existing hardware assemblies.](#)

Important note: [Please refer to the compatibility matrix in order to apply the correct upgrade procedure.](#)

- [To reinforce a major fix of version 502 \(see note in release notes 502 about bug #29225\) where an improper video essence encoding would result in a card freeze, it is no longer allowed \(in 511\) to import HMP archives or .avi that use a wrong codeblock encoding. When trying to import an archive with improper codeblock you will receive the message “The file has unsupported JPEG2000 codeblock size”. The video essences needs to be reingested from the source files with Media Manager or Vertigo XMedia Suite 4.8.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description
29946	32 bits TGA ingest for Fill & Key (Media Manager) The Media Manager will automatically detect a 32 bit TGA and produce both the Fill and Key essences along with the associated Clip List.
29949	Offline Mode (Media Manager) Performing a file transcode is now possible when the card is in playback or not connected.
29944	FTP resume (Media Manager) When a file transfer to the card stops due to a bad network connection or because the card starts a playback, the file transfer resumes as soon as the connection is available again or the card goes to stop.

29947	MXF transfer (Media Manager) It is now possible to transfer MXF files generated by the File Agent (Watch Folder application) using the Media Manager.
29952	Field selection support (Media Manager) For interlaced clips of a single frame it is now possible to select which field to output.
29942	Oxtel protocol support The card now supports the Miranda Oxtel protocol for best integration with other products.

BUGFIXES

Bug#	Description
N/A	Unstable reference stops playback A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.
28697	.MHC import failure when video has same id Importing files of type *.mhc can result in a corruption of the clip and may also cause a card crash in specific cases. The import will overwrite identical clip lists id's present on the card. If an overwritten video is played, the card will crash and the user will be forced to re-slot the card to recover. When importing the clip lists files of video and audio essences id's are displayed. Validate in the audio/video tabs that these id's are unique and don't already exists on the HMP card. There is no problem for every other archive types: *.mhv, *.mha, *.mhb.
31382	Lost serial number Serial numbers may be lost after performing multiple power cycling on the Densite frame.
31383	Audio muted after Cue & Play file selection It sometimes happens that the audio is muted when using the single CUE &

	PLAY command. Workaround: Use the separate commands: CUE and after PLAY.
--	---

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
34576	Output 2, audio muting after shuffler adjustment Bug found in 5.0.3 When the configuration for the second output is set to "Copy Output 1", adjusting the audio shuffler while playing will result in the second output being muted. Main output (Output 1) will embed audio properly.
35028	Clip loop forever when clicking play during playback Bug found in 5.0.3 It is possible to have a clip playing continuously even if set to play once by: 5- CUE and PLAY a CLIP A 6- CUE again CLIP A as soon as it start 7- PLAY CLIP A around 2 seconds of playback of the initial CUE and PLAY 8- The clip may loop forever even if property is set to play once. WORKAROUND: 6- Create a CLIP B that point to the same video essence than CLIP A. 7- CUE and PLAY CLIP A 8- CUE CLIP B as soon as it start 9- PLAY CLIP B anytime 10- The clip will play once (a copy of CLIP A)
35246	ComboBox in Cliplist edition window truncate the full essence name For video/audio essence with large name, the name is truncated because the ComboBox is of fixed width.

WORKAROUND:

In the case 2 essences start with the same string, differentiate them by using the ID which is always at the beginning.

35107	<p>Improper ingest validation of .AVI video using invalid format</p> <p>When ingesting a .AVI using an unsupported interlaced format, the .AVI video will appear as valid in the selection screen. However, the ingest will fail as soon as the encoding will start.</p> <p>Invalid formats: 720i / 1080p Valid formats: 525 / 625 / 720p / 1080i</p>
-------	--

FIRMWARE VERSION: 503

Release date: 2011-10-11

iControl compatibility: 3.61 (build 33) and up

iControl Solo compatibility: 3.70 (build 3) and up

RCP-200 compatibility: 1.40 (build 755)

Hardware incompatibility: Works on all hardware but check Error! Reference source not found..

ENHANCEMENTS & NEW FEATURES

Ref#	Description
	None. This release only includes bug fixes.

BUGFIXES

Bug#	Description
31268 31462	Recording stopped by itself For long records, the audio recorded is shorter than the associated video.
29790	Phantom Clip List : Two or more Clip List point to a single Clip
31462	Audio stopped recording When recording a video with audio (tested in SD 525) for more than ~20 minutes, the audio stops recording while the video continue. For example, we could have a 4h video with 15-20 minutes of audio.
31770	VDCP Command "Next" doesn't return the proper answer
<u>32591</u>	Black frames between loop When the clip reaches the end and loops back there are a few frames of black. Shorter clips do not seem to have any issues.

33174	Card crash in playback The card could crash after many hours (5+) of playback if it was connected to an Appserver due to a memory leak. This doesn't happen if not connected to an Appserver.
-------	---

KNOWN BUGS & LIMITATIONS

Bug #	Description
N/A	Unstable reference stops playback A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
28697	.MHC import failure when video has same id Importing files of type *.mhc can result in a corruption of the clip and may also cause a card crash in specific cases. The import will overwrite identical clip lists id's present on the card. If an overwritten video is played, the card will crash and the user will be forced to re-slot the card to recover. When importing the clip lists files of video and audio essences id's are displayed. Validate in the audio/video tabs that these id's are unique and don't already exists on the HMP card. There is no problem for every other archive types: *.mhv, *.mha, *.mhb.
28944	Output 2 fails after playback period in 3D The failure occur when recording video and assigning to output#2. No failures for imported videos from image sequences.
31382	Lost serial number Serial numbers may be lost after performing multiple power cycling on the Densite frame.
31383	Audio muted after Cue & Play file selection It sometimes happens that the audio is muted when using the single CUE &

	PLAY command. Workaround: Use the separate commands: CUE and after PLAY.
--	---

FIRMWARE VERSION: 502

Release date: 2010-11-16

iControl compatibility: 3.61 (build 33)

iControl Solo compatibility: 3.70 (build 3)

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

Important Note:

- Please refer to the compatibility matrix in order to apply the correct upgrade procedure.
- If a problematic clip is found as per bug #29225 and imported in version earlier than 502, the clip need to be re-imported using the Media Manager to correct the freeze problem (**from the source image sequence: jpeg, bmp, tga**).
- Updated Miranda Default clips (bug #29225) **aren't part of the upgrade 502**. They are included in **new compact flash images** shipping with new cards.

BUGFIXES

Bug#	Description
29225	Card freeze after many loop on some clips

ENHANCEMENTS & NEW FEATURES

Nothing

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801
28944	Output 2 fails after playback period in 3D. The failure occur when recording video and assigning to output#2. No failures for imported videos from image sequences.

FIRMWARE VERSION: 501

Release date: 2010-07-29

iControl compatibility: 3.61 (build 33)

iControl Solo compatibility: 3.70 (build 3)

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

Important Note: Please refer to the [compatibility matrix](#) in order to apply the correct upgrade procedure

BUGFIXES

Bug#	Description
28080	SD Key Output is not working properly
28196	The metadata Name Dropper is not working properly
27903	Card crashes when repeatedly sending cue-stop command
28033	Card crashes when uploading a large number of files to it (ftp, mxf)
28052	Video essence flagged with integrity error when there's no integrity problem
27928	When using Xplorer to publish files to HMP, multiple clips are created of same essence

ENHANCEMENTS & NEW FEATURES

Bug#	Description
28228	Display a warning message when the list of clips cannot be loaded in the Web Application
28195	Default clips can be deleted
28171	Add sorting support in the Playback treeview of the Web Application
28170	Give an option to automatically set up a unique record name in the Web Application
28177	Dynamically update the playlist of the applet when a new clip is published
27995	Media Manager resize to original when pressing any menu (Web Application)

KNOWN BUGS & LIMITATIONS

Bug#	Description
N/A	A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback
N/A	The HMP-1801 doesn't allow FTP transfers while in Record or Playback state
N/A	Teletext is not supported by the HMP-1801

FIRMWARE VERSION: 500 (BUILD 38)

Release date: 2010-05-10

ECO/NCO #: 864-80A01-102

Program #: 7864-0102-500

iControl compatibility: 3.61 (build 33)

iControl Solo compatibility: 3.70 (build 3)

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

Important Note 1: Version 500 is not compatible with all previous HMP firmware versions. In other words, it won't be possible to install a previous version after installing this one. Please refer to the firmware compatibility matrix.

Important Note 2: Version 402 needs to be installed prior to version 500

Important Note 3: Version 500 will reformat completely the compact flash. All the existing files will be lost. Do not forget to backup all the files before moving further. A new backup utility is available in the version 402 for this purpose.

BUGFIXES

.1.1. Record

- The HMP-1801 could skip fields on the luma channel.
- The HMP-1801 could record silence instead of the input's embedded audio
- Non-PCM audio flags could be wrong during a record sequence

.1.2. TRIM & CROP

- The editing of recorded clips could be wrong with audio files > 2GB

.1.3. AVI (generated with AfterEffect & Morgan)

- The Web Application now supports .AVI files generated by After Effect

ENHANCEMENTS & NEW FEATURES

.1.4. 32 GB Compact Flash

- The HMP-1801 now supports 32GB compact flash (up to 35 minutes of HD video @ 100 Mbps)

.1.5. 3D Option

- The 3D options allows the HMP-1801 to playback simultaneously two channels of video at a maximum of 70 Mbps per output in 60 Hz and 60 Mbps per output in 50 Hz (equivalent quality in both frame rate: ~300KB/Frame).

.1.6. Web application UI

- Few improvements were made on the user interface of the web application
 - o Support for 8bit files (.tga, .bmp, .jpg, etc.)
 - o Out of memory management during files importation

KNOWN BUGS & LIMITATIONS

.1.7. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.

.1.8. FTP transfer

The HMP-1801 doesn't allow FTP transfers while in Record or Playback state. The card absolutely needs to be in STOP in order to be able to receive files to the internal storage of the HMP-1801.

.1.9. Teletext

Teletext is not supported by the HMP-1801.



Release Notes

FIRMWARE VERSION: 401 (BUILD 003)

Release date: 2010-02-05

ECO/NCO #: 864-80A01-101

Program #: 7864-0102-401

iControl compatibility: 3.53 (build 38)

iControl Solo compatibility: 3.53 (build 1)

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

Important Note: Upgrading from version 300 to 400 also requires a boot loader update. Please refer to the Boot Loader upgrade procedure

BUGFIXES

.1.10. Playback

In some cases, the playback can stop after few seconds. This new build will fix this issue.

.1.11. Fill & Key mode

The key output might be black in some situations. This bug is fixed in the version 401 build 003.

ENHANCEMENTS & NEW FEATURES

None

KNOWN BUGS & LIMITATIONS

.1.12. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.

.1.13. FTP transfer

The HMP-1801 doesn't allow FTP transfers while in Record or Playback state. The card absolutely needs to be in STOP in order to be able to receive files to the internal storage of the HMP-1801.

.1.14. Teletext

Teletext is not supported by the HMP-1801.

.1.15. IControl Panel

The HMP-1801 was originally released in a Beta version of IControl (3.60 build 10) or IControl Solo (3.60 build 2). Please refer to the IControl releases notes to know the limitations of the panel

FIRMWARE VERSION: 400 (BUILD 195)

Release date: 2010-01-15

ECO/NCO #: 864-80A01-100

Program #: 7864-0102-400

864-01A01-204

iControl compatibility: 3.53 (build 38)

iControl Solo compatibility: 3.53 (build 1)

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

Important Note: Upgrading from version 300 to 400 also requires a boot loader update. Please refer to the [Boot Loader upgrade procedure](#)

BUGFIXES

.1.16. Large file support

Files larger than 4GB are now supported.

.1.17. VDCP

Commands using parameters with variable lengths are now supported correctly.

.1.18. Audio crosstalk

Audio shuffler is now working properly with groups 3 & 4.

ENHANCEMENTS & NEW FEATURES

For more details on each feature, please refer to the HMP-1801 User Manual.

.1.19. Video Record

The HMP-1801 can now record and playback video.

.1.20. Audio Record

The HMP-1801 can now record and playback PCM and Non-PCM audio.

.1.21. Metadata

The HMP-1801 can now record and playback the following metadata:

- AFD
- Closed Caption (Teletext is not supported)
- Dolby Metadata
- Time Code
- Name Dropper

.1.22. Clip List

Clip List can now be configured using the Web Interface to playback automatically many clips one after the others.

.1.23. New Web Interface

The version 400 offers a more intuitive interface.

.1.24. Drop Folder application with Vertigo's XMS Software

The HMP-1801 is now supported as a regular playback device in the XMS Software.

KNOWN BUGS & LIMITATIONS

.1.25. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.

.1.26. FTP transfer

The HMP-1801 doesn't allow FTP transfers while in Record or Playback state. The card absolutely needs to be in STOP in order to be able to receive files to the internal storage of the HMP-1801.

.1.27. Teletext

Teletext is not supported by the HMP-1801.

.1.28. IControl Panel

The HMP-1801 was originally released in a Beta version of IControl (3.60 build 10) or IControl Solo (3.60 build 2). Please refer to the IControl releases notes to know the limitations of the panel

FIRMWARE VERSION: 300 (BUILD 22)

Release date: 2009-01-26

ECO/NCO #: 864-09A01-101

864-10A01-101

864-11A01-101

Program #: 7864-0102-300

iControl compatibility: 3.23 build 72

iControl Solo compatibility: 3.00

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

.1.29. Improve the JPEG2000 encoding speed of the Java Applet

ENHANCEMENTS & NEW FEATURES

.1.30. Generation of the Key signal

.1.31. Support of audio groups 3 & 4

.1.32. Support a AFD (fixed only)

KNOWN BUGS & LIMITATIONS

.1.33. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.

FIRMWARE VERSION: 200 (BUILD 47)

Release date: 2008-08-18

ECO/NCO #: 864-09A01-100 (4 GB)

Program #: 7864-0201-200

864-10A01-100 (8 GB)

864-11A01-100 (16 GB)

iControl compatibility: 3.21 build 45

iControl Solo compatibility: 2.77 build 22

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

ENHANCEMENTS & NEW FEATURES

.1.34. Audio Support (.wav, 48kHz, 8 channels, 24 bits)

.1.35. VDCP support (basic support: CUE, PLAY, PAUSE, STOP, LIST)

.1.36. Support of .AVI files (JPEG2000 only from Morgan plugin)

KNOWN BUGS & LIMITATIONS

.1.37. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.

FIRMWARE VERSION: 100

Release date: 2008-06-18

ECO/NCO #: N/A

Program #: 7864-0201-100

iControl compatibility: N/A

iControl Solo compatibility: N/A

RCP-200 compatibility: N/A

Hardware incompatibility: This firmware applies to all existing hardware assembly.

BUGFIXES

None

ENHANCEMENTS & NEW FEATURES

.1.38. Video Playback only

KNOWN BUGS & LIMITATIONS

.1.39. Loss of reference

A glitch of reference when in External or URS mode will force the HMP-1801 to STOP its current playback.

WORKAROUND: To bypass this limitation, we recommend to place the card in internal mode and to use an external frame buffer.