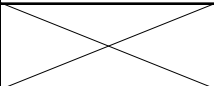
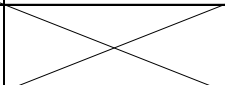
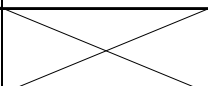
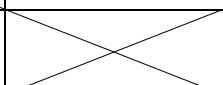
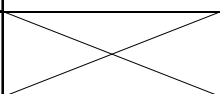


HMP-1801 Firmware Release Notes

NOTE: The iControl compatibilities shown below are estimated initial support. iControl versions that are older than those specified may prevent the GUI from opening or may work with bugs and limited features.

FIRMWARE COMPATIBILITY MATRIX

The following table explains all the steps to follow in order to upgrade an HMP-1801 from any version:

| Current version | iControl Compatibility | Available updates (FW = Firmware) | | | | |
|------------------------|---------------------------------|---|--|--|---|--|
| | | v300b22 | v400b195 | v401b3 (AKA 900 & 901) | v50x (AKA 902 & 903) | v51x (refer to the note) |
| v200b47 | IC: 3.21b45 IC Solo: 2.77b22 | 1) Install FW v300b22 | 1) Install FW v400b195 2) Install Boot Loader 1.2.0.300 | 1) Install FW v401 2) Install Boot Loader 1.2.0.300 | 1) Install FW v402b33 2) Install FW 50x 3) Install Boot Loader 1.2.0.400 | 1) Install FW v402b33 2) Install FW 51x Note: Boot Loader is upgraded automatically to 1.2.0.500 |
| v300b22 | IC: 3.23b72 IC Solo: 3.00 |  | | | | |
| v400b195 | IC: 3.53b38 IC Solo: 3.53b1 | 1) Install FW v300b22 |  | 1) Install FW v401 | | |
| v401b3 (AKA 900 & 901) | | | 1) Install FW 400b195 |  | | |
| v50x | IC: 3.61b35 IC Solo: 3.70b5 | Not possible | Not Possible | Not Possible |  | 1) Install FW v501b14 |
| v51x | IC: 4.10b15 | Not possible | Not Possible | Not Possible | 1) Install FW v50x |  |

Notes:

- V5xx will not be compatible with all previous versions. In other words, it won't be possible to revert to version 400 and older.
- V5xx will reformat completely the compact flash if upgrading from 400 and older. All the existing files will be lost. Do not forget to backup all the files before moving further.

VERTIGO XMEDIA SUITE COMPATIBILITY MATRIX

Vertigo Xmedia Suite users will need to upgrade to version 4.8 to use the HMP firmware release 5.1.x.

| HMP Versions | v5.0.x | v5.1.x |
|--------------------------|--------|--------|
| Vertigo Xmedia Suite 4.4 | ✓ | ✗ |
| Vertigo Xmedia Suite 4.5 | ✗ | ✗ |
| Vertigo Xmedia Suite 4.6 | ✗ | ✗ |
| Vertigo Xmedia Suite 4.7 | ✗ | ✗ |
| Vertigo Xmedia Suite 4.8 | ✗ | ✓ |



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 assembly.

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 not allowed anymore (in 511) to import HMP archives or .avi that uses 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 | <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> |
| 35028 | <p>Clip loop 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) |
| 35246 | <p>ComboBox in Cliplist edition window truncate the full essence name</p> <p>For video/audio essence with large name, the name is truncated because the ComboBox is of fixed width.</p> <p>WORKAROUND:</p> <p>In the case 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 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> |
|-------|--|



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 |
| 32591 | 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

- **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
- **TRIM & CROP**
 - The editing of recorded clips could be wrong with audio files > 2GB
- **AVI (generated with AfterEffect & Morgan)**
 - The Web Application now supports .AVI files generated by After Effect

ENHANCEMENTS & NEW FEATURES

- **32 GB Compact Flash**
 - The HMP-1801 now supports 32GB compact flash (up to 35 minutes of HD video @ 100 Mbps)
- **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).
- **Web application UI**
 - Few improvements were made on the user interface of the web application

- Support for 8bit files (.tga, .bmp, .jpg, etc.)
- Out of memory management during files importation

KNOWN BUGS & LIMITATIONS

- **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.

- **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.

- **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

- **Playback**

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

- **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

- **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.

- **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.

- **Teletext**

Teletext is not supported by the HMP-1801.

- **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
864-01A01-204

Program #: 7864-0102-400

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

- **Large file support**

Files larger than 4GB are now supported.

- **VDCP**

Commands using parameters with variable lengths are now supported correctly.

- **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](#).

- **Video Record**

The HMP-1801 can now record and playback video.

- **Audio Record**

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

- **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

- **Clip List**

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

- **New Web Interface**

The version 400 offers a more intuitive interface.

- **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

- **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.

- **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.

- **Teletext**

Teletext is not supported by the HMP-1801.

- **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

- Improve the JPEG2000 encoding speed of the Java Applet

ENHANCEMENTS & NEW FEATURES

- Generation of the Key signal
- Support of audio groups 3 & 4
- Support a AFD (fixed only)

KNOWN BUGS & LIMITATIONS

- 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

- Audio Support (.wav, 48kHz, 8 channels, 24 bits)
- VDCP support (basic support: CUE, PLAY, PAUSE, STOP, LIST)
- Support of .AVI files (JPEG2000 only from Morgan plugin)

KNOWN BUGS & LIMITATIONS

- 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

- Video Playback only

KNOWN BUGS & LIMITATIONS

- 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.