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## HCP-1801 – Upgrade Package 2.1.1

### UPGRADE PACKAGE RELEASE HISTORY

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version			
2.1.1	2.1.9	2.1.1	2014.06.20	<a href="#">(go)</a>	M813-9900-111

**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.

## UPGRADE PACKAGE: 2.1.1

Release date: 2014-06-20

iControl compatibility: 5.0 and later

iControl Solo compatibility: 5.0 and later

RCP-200 compatibility: Not supported

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description

## BUGS FIXED IN THIS RELEASE

Ref #	Description
<a href="#">001-00-015485</a>	<b>The CC validity, Closed Captions and WST "duration" values do not persist</b> When restarting the card, the duration parameter for the above probes is restored to its default value of 10 (instead of keep the last value set before the restart of the card).
<a href="#">001-00-015548</a>	<b>HCP ALMs do not update when AES1 or AES2 is killed in group 1</b> The card cannot handle an invalid or unlocked AES in an audio group. If one of the 2 AES of an audio group is "unlocked", the entire group is detected as invalid.

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">001-00-015485</a>	<b>The CC validity, Closed Captions and WST "duration" values are not saved in user presets</b> These parameters are excluded from the card's user presets. Thus Restoring a preset does not affect their current value.

## PREVIOUS RELEASES

### FIRMWARE VERSION: 218

Release date: 2013-01-21

iControl compatibility: v4.40 and up

iControl Solo compatibility: NA (will need a Solo 3.52)

RCP-200 compatibility: Not supported

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
00001	<b>Addition of AFD in SD formats</b> The AFD flags can now be detected and extracted in both 525 lines 59.94Hz and 625 lines 50 Hz formats as it is with the 720p and 1080i video format signals. Furthermore, the support of some missing AFD codes have also been added to this release

## BUGS FIXED IN THIS RELEASE

Ref#	Description

## KNOWN BUGS & LIMITATIONS

Ref#	Description

## FIRMWARE VERSION: 217

Release date: [2011-10-11](#)

iControl compatibility: [3.52 build 52](#)

iControl Solo compatibility: [3.52](#)

RCP-200 compatibility: [Not supported](#)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">001-00-005982</a>	<p><b>When submit to many video transition upstream while using the thumbnail, the card might stop responding to the Densite controller and/or disappear from iControl.</b></p> <p>When the thumbnail streaming is activated while the input video stream sent to the card is « unstable », the card might stop communicating with the controller for a certain time. This behavior is random and might occur only on some cards. When in this state, the card can recover from itself but the time to recover is also random and can be from few minutes to some days. A reseating of the card into the frame correct this problem immediately.</p>

## KNOWN BUGS & LIMITATIONS

Ref#	Description

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## FIRMWARE VERSION: 216

Release date: [2011-06-01](#)

iControl compatibility: [3.52 \(build 0052\)](#)

iControl Solo compatibility: [3.52](#)

RCP-200 compatibility: [Not supported](#)

Hardware compatibility: [This firmware applies to all existing hardware assembly.](#)

## ENHANCEMENTS & NEW FEATURES

Ref#	Description

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">001-00-005049</a>	<b>HCP-1801 Video and Audio probing does not work properly after a copy profile or a load user preset</b>  When the current profile is updated using a file with the "Copy Profile" function in iControl, the card might not behave as expected for the audio and video probing. The GUI displays all the expected configuration parameters but the card might NOT behave according to this parameters.

## KNOWN BUGS & LIMITATIONS

Ref#	Description

## FIRMWARE VERSION: 209

Release date: [2011-03-15](#)

iControl compatibility: [3.52 \(build 0052\)](#)

iControl Solo compatibility: [3.52](#)

RCP-200 compatibility: [Not supported](#)

Hardware compatibility: [This firmware applies to all existing hardware assembly.](#)

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
<a href="#">001-00-004596</a>	<b>NCO for a Radio-Canada project : HCP-1801 + SCO-1421 + GPI-1501</b>  New feature developed for Radio-Canada (Montreal). This is implemented as an NCO ("ANC"), thus not publicly available to other customers.  The card sends a message to an associated GPI-1501 card to trigger GPI-OUT based on certain alarms.

## BUGS FIXED IN THIS RELEASE

Ref#	Description

## KNOWN BUGS & LIMITATIONS

Ref#	Description

## FIRMWARE VERSION: 208

Release date: [2009-11-12](#)

iControl compatibility: [3.52 \(build 0052\)](#)

iControl Solo compatibility: [3.52](#)

RCP-200 compatibility: [Not supported](#)

Hardware compatibility: [This firmware applies to all existing hardware assembly.](#)

## ENHANCEMENTS & NEW FEATURES

Ref#	Description

## BUGS FIXED IN THIS RELEASE

Ref#	Description
2009-00207	<b>Mismatch in the time shown by the 7 days viewer</b> iControl no longer tries to match message count with appserver time, because appserver time is not precise enough.
2009-00292	<b>The 7 days viewer is only available on one card at a time</b> In iControl, the support of several cards is not supported.
2009-00308	<b>Mismatch in the reported error of the MBD viewer</b> In the iControl log file, there are no more bad values recorded.
1234-0001	<b>VBI data analysis malfunction</b> In some cases, the VBI data extraction and detection (like Close Captioning, Time Code or Video line Index) was not working properly.

1234-0002	<b>Freeze detection problem with the 720p video format</b> The freeze detection was not working properly in 720p format and with some specific window size only.
1234-0003	<b>Services of HD Close Captioning error toggling</b> With various video feeds, the iControl LED that reported the absence of the HD services of the CC was toggling regularly from GREEN to RED due to the CC insertion method. With this release, the service presence must now have disappeared for at least 5 seconds for the user to be notified of it.
1234-0004	<b>Video probing parameter mismatch</b> Upon video input format change, some video probing parameters was not update properly.

## KNOWN BUGS & LIMITATIONS

Ref#	Description