

## XVP-1801 – Upgrade Package 1.4.4

### Upgrade Package Release History

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version			
1.4.4	1.4.3	1.4.4	2015.09.29	<a href="#">(go)</a>	M820-9900-140
1.4.3	1.4.3	1.4.3	2014.07.10	<a href="#">(go)</a>	M820-9900-140
1.4.1	1.4.1	1.4.1	2012.01.17	<a href="#">(go)</a>	M820-9900-140
1.4.0	1.4.0	1.4.0	2011-01-25	<a href="#">(go)</a>	M820-9900-140

**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: 1.4.4

**Release date:** [2015-09-29](#)

**iControl compatibility:** [5.0 \(build 17\) and up](#)

**iControl Solo compatibility:** [6.0 \(build 89\) and up](#)

**RCP-200 compatibility:** [NA](#)

**Custom software compatibility:** [NA](#)

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

### BUGS CORRECTED

Ref#	Description
Defect 001-00- 019422	<b>Wrong designation of fixed delay cursor for channels 9, 11, 13 and 15</b> The audio "Fixed Delay" compensation display does not track the video "Additional Frame Delay" adjustment for audio channels 9, 11, 13 and 15. It looks like the iControl audio delay slider reference bar is not properly refreshing.

## KNOWN BUGS & LIMITATIONS

Ref#	Description
30201	This new 720/704 pixels parameter is not selectable from card edge menu. The current version of RCP-200 does not support the above new feature.

## UPGRADE PACKAGE: 1.4.3

Release date: [2014-07-10](#)

iControl compatibility: [4.02 \(build 056\)](#) and [3.72 \(build 40\)](#)

iControl Solo compatibility: [3.72 \(build 21\)](#)

RCP-200 compatibility: [1.00](#) – see limitations below

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
XVP1801-763	<b>FLASH AT45DB642D end of life</b> Added support for the new flash AT45DB621E

## KNOWN BUGS & LIMITATIONS

Ref#	Description
30201	This new 720/704 pixels parameter is not selectable from card edge menu. The current version of RCP-200 does not support the above new feature.

## UPGRADE PACKAGE: 1.4.1

Release date: 2012-01-17

iControl compatibility: 4.02 (build 056) and 3.72 (build 40)

iControl Solo compatibility: 3.72 (build 21)

RCP-200 compatibility: 1.00 – see limitations below

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

## BUGS CORRECTED

Ref#	Description
Defect 001-00- 004464	<p><b>XVP-1801 Audio Distortion at the output</b></p> <p>Some embedded audio sources (as Motorola 5000) do not follow SMPTE 291M for the DBN (Data Block Number) generation. DBN should count from 1 to 255 as per SMPTE 291M, but some sources count from 0 to 255 which is not correct. This caused periodic audio glitches at the output of the XVP-1801. The XVP-1801 firmware has been modified to support these sources.</p>
Defect 001-00- 007172	<p><b>Support for Sony PDW700 camera SD output audio distribution</b></p> <p>The SD embedded audio coming out of the Sony PDW700 camera has 8 audio samples on some video lines, which does not follow SMPTE 272M. This caused audio glitches at the output of the XVP-1801. The XVP-1801 now support that kind of audio distribution.</p>

## KNOWN BUGS & LIMITATIONS

Ref#	Description
30201	<p>This new 720/704 pixels parameter is not selectable from card edge menu. The current version of RCP-200 does not support the above new feature.</p>

## UPGRADE PACKAGE: 1.4.0

Release date: [2011-01-25](#)

iControl compatibility: [4.02 \(build 056\)](#) and [3.72 \(build 40\)](#)

iControl Solo compatibility: [3.72 \(build 21\)](#)

RCP-200 compatibility: [1.00](#) – see limitations below

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
30201	<p><b>Add 704/720 pixels selection from HD to SD in the video output advanced menu in iControl.</b></p> <p>Added a parameter to select between 720 or 704 output pixels when converting from HD to SD. This makes the output image narrower and reduces the anamorphism when encoding with 704 pixels in ATSC applications. This parameter has no effect when converting from SD to SD.</p>

## BUGS CORRECTED

Ref#	Description
30253	<p><b>Wrong Channel Status encoding in HD</b></p> <p>When the SD Embedding was set to 20-bit audio, it would adversely set the HD channel status bit to 20-bit when the output format is HD. The issue was corrected to ignore this parameter in HD as the audio is always 24-bit.</p>

## KNOWN BUGS & LIMITATIONS

Ref#	Description
30201	<p>This new 720/704 pixels parameter is not selectable from card edge menu. The current version of RCP-200 does not support the above new feature.</p>