

## XVP-3901

### Release History

Upgrade Package	Comprising:		Release Date	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version		
<a href="#">3.4.9</a>	3.4.8.23	3.4.9	2020-04-23	M886-9900-340
<a href="#">3.4.8</a>	3.4.8.23	3.4.8	2019-10-30	M886-9900-340
<a href="#">3.4.7</a>	3.4.6.21	3.4.7	2019-10-15	M886-9900-340
<a href="#">3.4.6</a>	3.4.6.21	3.4.6	2018-01-10	M886-9900-340
<a href="#">3.4.5</a>	3.4.5.17	3.4.5	2017-01-24	M886-9900-340
<a href="#">3.4.4</a>	3.4.4.279	3.4.4	2016-10-30	M886-9900-340
<a href="#">3.4.3</a>	3.4.2.13	3.4.3	2016-08-25	M886-9900-340
<a href="#">3.4.2</a>	3.4.2.13	3.4.2	2016-05-31	M886-9900-340
<a href="#">3.4.1</a>	3.4.1.3	3.4.1	2016-01-22	M886-9900-340
<a href="#">3.4.0</a>	3.4.0.3	3.4.0	2015-12-01	M886-9900-340
<a href="#">3.3.2</a>	3.3.2.48	3.3.2	2015-04-24	M886-9900-330
<a href="#">3.3.1</a>	3.3.1.5	3.3.1	2014-05-16	M886-9900-330
<a href="#">3.3.0</a>	3.3.0.7	3.3.0	2014-03-31	M886-9900-330
NA	<a href="#">3.2.0</a>		2013-01-25	M886-9900-320
NA	<a href="#">3.1.2</a>		2012-04-04	M886-9900-312
NA	<a href="#">3.1.0</a>		2011-08-29	M886-9900-310
NA	<a href="#">3.0.2</a>		2011-06-03	M886-9900-300
NA	<a href="#">3.0.0</a>		2011-03-31	M886-9900-300
NA	<a href="#">2.4.9</a>		2010-12-02	M886-9900-340

**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: 3.4.9

**Firmware version:** [3.4.8.23 \(FPGA INOUT:2369, VPROC:1191\)](#)

**Release date:** [2020-04-23](#)

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

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

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

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

## NEW FEATURES IN THIS RELEASE

Ref#	Description
N/A	N/A

## BUGS FIXED IN THIS RELEASE

Ref#	Description
XVP3901-1833	<b>GSM doesn't reflect the actual "Input 2 Format Mismatch"</b> Dataminer sees alarm configuration setting instead of the actual alarm status

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1763	<b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b>

	When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link
XVP3901-1717	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<p><b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b></p>
ICONCONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONCONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>

## UPGRADE PACKAGE: 3.4.8

**Firmware version:** 3.4.8.23 (FPGA INOUT:2369, VPROC:1191)

**Release date:** 2019-10-30

**iControl compatibility:** 5.0 (build 17) and up

**iControl Solo compatibility:** 6.0 (build 89) and up

**RCP-200 compatibility:** NA

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

## NEW FEATURES IN THIS RELEASE

Ref#	Description
N/A	N/A

## BUGS FIXED IN THIS RELEASE

Ref#	Description
XVP3901-1830	<p><b>Last few pixels on last line of HD output incorrect for 1080 sources and 1080p output format</b></p> <p>When using 1080i/p 59/50/23 Hz sources and 1080p outputs, the last few pixels of the final video line were corrupt. The error was obvious with drastic luminance scene changes. The new scene always had the previous frame's pixels in this final section of the final line. An image with no motion or with no drastic scene changes did not easily show this, but every frame for every input image was incorrect.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1763	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a</p>

	link a/b inversion on 1080p59/50 Level B Dual Link
XVP3901-1717	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<p><b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b></p>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>

## UPGRADE PACKAGE: 3.4.7

Firmware version: [3.4.6.21 \(FPGA INOUT:2369, VPROC:1191\)](#)

Release date: [2019-10-15](#)

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

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

RCP-200 compatibility: [NA](#)

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

## NEW FEATURES IN THIS RELEASE

Ref#	Description
XVP3901-1829	<p><b>SFP optical power is now reported as an alarm</b></p> <p>SFP Fiber Optical Power information is now reported as a pair of text alarms showing channel directions and Optical Power (dBm) value for each SFP.</p>

## BUGS FIXED IN THIS RELEASE

Ref#	Description
N/A	N/A

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1763	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link</p>
XVP3901-	<b>SDI output offset</b>

1717	SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONCONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONCONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>

## UPGRADE PACKAGE: 3.4.6

Firmware version: 3.4.6.21 (INOUT:2369, VPROC:1191)

Release date: 2018-01-10

iControl compatibility: 5.0 (build 17) and up

iControl Solo compatibility: 6.0 (build 89) and up

RCP-200 compatibility: NA

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

## BUGS FIXED IN THIS RELEASE

Ref#	Description
XVP3901-1673	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1763	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link</p>
XVP3901-1717	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>



<p>XVP3901-1526</p>	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
<p>XVP3901-1605</p>	<p><b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b></p>
<p>ICONTROL-16023</p>	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
<p>ICONTROL-16024</p>	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>

## UPGRADE PACKAGE: 3.4.5

Firmware version: [3.4.5.17](#) (INOUT:2369, VPROC:1191)

Release date: [2017-01-24](#)

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

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

RCP-200 compatibility: [NA](#)

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

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">XVP3901-1794</a>	<p><b>In 3G Level A, output stream has incorrect VPID</b></p> <p>Measuring equipment reports an Interlaced Transport Structure which is incorrect. Byte 2 of the Payload ID should be 1100**** and not 0100****.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1763</a>	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link</p>
<a href="#">XVP3901-1717</a>	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p>

	<p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>

## UPGRADE PACKAGE: 3.4.4

Firmware version: [3.4.4.279 \(INOUT:2369, VPROC:1191\)](#)

Release date: [2016-10-30](#)

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

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

RCP-200 compatibility: [NA](#)

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

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">XVP3901-1782</a>	<b>OPTICAL FIBER : detection level is to high (-16dBm)</b> An optical SDI signal needs to be detected when the received optical power is higher than -30dBm
<a href="#">XVP3901-1777</a>	<b>Ancillary data for CEA-708-B is blocked in 50Hz</b> In frame-sync mode (output same format as input), ancillary data packets of the input are expected to be transparently passed to the output.
<a href="#">XVP3901-1791</a>	<b>The display of the SFP part number is not right in the local display</b> The display of the SFP part number is now exactly the same as what is written by the manufacturer in the EPROM of the SFP.

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1763</a>	<b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b> When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link
<a href="#">XVP3901-1717</a>	<b>SDI output offset</b>

	SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>

## UPGRADE PACKAGE: 3.4.3

Firmware version: [3.4.2.13 \(INOUT:2369, VPROC:1191\)](#)

Release date: [2016-08-25](#)

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

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

RCP-200 compatibility: [NA](#)

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

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">DSERV-1504</a>	<p><b>XVP3901 Preset label alarm show default labels after controller card reset</b></p> <p>EXAMPLE: User changes the default preset label "USER5" to "upmix". iControl alarm will show "upmix". When we restart the densite frame controller card, it will show "USER5". If we look at the card panel, it shows "upmix". For the iconcontrol alarm to show the correct label we need to switch to a different preset and switch back to "USER5" (upmix).</p>
<a href="#">DSERV-2010</a>	<p><b>Support for XVP-3901 in RCP-200</b></p> <p>RCP-200 version 2.00 (build 38) now supports the XVP-3901.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1763</a>	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link</p>
<a href="#">XVP3901-1717</a>	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>

XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>

## UPGRADE PACKAGE: 3.4.2

Firmware version: [3.4.2.13 \(INOUT:2369, VPROC:1191\)](#)

Release date: [2016-05-31](#)

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

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

RCP-200 compatibility: [NA](#)

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

## BUGS FIXED IN THIS RELEASE

Ref#	Description
<a href="#">XVP3901-1756</a>	<p><b>Need to have a carrier on SDI input 2 to detect SDI input 1</b></p> <p>On XVP-3901-FS-R we need to have a carrier on SDI input 2 to properly detect SDI input 1</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1763</a>	<p><b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b></p> <p>When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link</p>
<a href="#">XVP3901-1717</a>	<p><b>SDI output offset</b></p> <p>SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p>



	<p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
RCP200-930	<p><b>XVP-3901 version 320+ not supported.</b></p> <p>New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.</p>
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>

## UPGRADE PACKAGE: 3.4.1

Firmware version: [3.4.1.3 \(INOUT:2369, VPROC:1191, MICRO:3\)](#)

Release date: [2016-01-22](#)

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

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

RCP-200 compatibility: [NA](#)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
<a href="#">38126</a>	<b>Dynamic proc before Miranda ALC</b>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1763</a>	<b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b> When locked on SDI input on 1080p59/50 Level B Dual Link we may have have a link a/b inversion on 1080p59/50 Level B Dual Link
<a href="#">XVP3901-1717</a>	<b>SDI output offset</b> SDI output has an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<b>Wrong default values after card update.</b> This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values  Two workarounds are possible:

	<p>1) Reset the card parameters to the factory defaults.</p> <p>2) Reselect the meter mode to force default values.</p>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
RCP200-930	<p><b>XVP-3901 version 320+ not supported.</b></p> <p>New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.</p>
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>

## UPGRADE PACKAGE: 3.4.0

Firmware version: [3.4.0.3 \(INOUT:2354, VPROC:1191, MICRO:3\)](#)

Release date: [2015-10-30](#)

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

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

RCP-200 compatibility: [NA](#)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
<a href="#">XVP3901-1705</a>	<b>SCTE-104 passthrough on a Down/Up conversion.</b>
<a href="#">XVP3901-1703</a>	<b>Automatic preset recall has a "no signal duration" that can go up to 2000ms</b>

## BUGS FIXED IN THIS RELEASE

Ref #	Description
<a href="#">XVP3901-1629</a>	<b>Output link a/b is freerun for 1080p59Hz/1080p50Hz level B Dual Link</b> Synchronized output link a/b on 1080p59Hz/1080p50Hz Level B dual link inputs using the external reference or URS
<a href="#">XVP3901-1628</a>	<b>No audio on 1080p59Hz/1080p50Hz level B Dual Link switch line</b> Switch line set to line 7 on both links (A and B)
<a href="#">XVP3901-1333</a>	<b>Skip/repeat audio of 2 seconds when video delay is less than the audio modules processing delay</b>

<a href="#">XVP3901-1539</a>	<b>HD Scaler creates repeated pixels at left edge of screen</b>
<a href="#">XVP3901-1637</a>	<b>Loading PGM ALC preset changes Global Mode</b>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
	<b>Link a/b inversion when locked on 1080p59 Level B DL or 1080p50 Level B DL</b>
	<b>OUTPUT HAS an OFFSET of 1 line when locked on 1080p59 Level B DL or 1080p50 Level B DL</b>
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-	<b>Loudness text alarm not reported to iControl GSM.</b>

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16024	In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.
RCP200-930	<b>XVP-3901 version 320+ not supported.</b> New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.

## UPGRADE PACKAGE: 3.3.2

**Firmware version:** 3.3.2.48 (INOUT:2186, VPROC:1165, MICRO:48)

**Release date:** 2015-04-24

**iControl compatibility:** 5.0 (build 17) and up

**iControl Solo compatibility:** 6.0 (build 89) and up

**RCP-200 compatibility:** NA

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

## BUGS FIXED IN THIS RELEASE

Ref #	Description
<a href="#">XVP3901-1670</a>	<p><b>PRESETs don't work with new hardware/firmware supporting new dataflash</b></p> <p>When loading "USER PRESET 2", the ALC gets loaded with corrupted values</p> <p>WORKAROUND: Do no use the "USER PRESET 2".</p>
<a href="#">XVP3901-1655</a>	<p><b>Micro-controller crashing when communication is overloaded</b></p> <p>When multiple clients are connected to the Densité frame with a controller of version 212 and later, the XVP can become unresponsive. A bug in the communication engine of the card has been exposed with the higher performance of the newer versions of the Densité controller.</p> <p>WORKAROUNDS:</p> <ul style="list-style-type: none"> <li>Downgrade the Densité controller of the frame to version 204</li> </ul>
<a href="#">DSERV-405</a>	<p><b>Modification of Loudness labels in the iControl service panel</b></p> <p>« EBU R128-2010 » → « EBU R128-2010 (ITU BS.1770) »</p> <p>« EBU R128-2011 » → « EBU R128-2014 (ITU BS.1770-3) »</p> <p>« A85 ITU BS.1770-1 » → « ATSC A85:2011 (ITU BS.1770-1) »</p> <p>« A85 ITU BS.1770-2 » → « ATSC A85:2013 (ITU BS.1770-3) »</p> <p>« ARIB TR-B32 » → « ARIB TR-B32 (ITU BS.1770-3) »</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<a href="#">XVP3901-1673</a>	<p><b>Profile copy of USER PRESETs does not work.</b></p> <p>Using the profile function to copy a user preset from one card to another does not work: the destination card user preset will be corrupted when recalled (the same is true for all users 1 to 5). The problem does not occur if we use the "All" profile.</p> <p>WORKAROUND: Use the "Copy All" function.</p>
XVP3901-1192	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>
XVP3901-1526	<p><b>SCTE-104 does not pass through on a Down/Up conversion.</b></p>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<p><b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b></p>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
RCP200-	<p><b>XVP-3901 version 320+ not supported.</b></p>



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930	New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.
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## UPGRADE PACKAGE: 3.3.1

Firmware version: [3.3.1.5 \(INOUT:2186, VPROC:1165, MICRO:5\)](#)

Release date: [2014-05-16](#)

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

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

RCP-200 compatibility: [NA](#)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
<a href="#">XVP3901-1590</a>	<p><b>FLASH AT45DB642D end of life</b></p> <p>Added support for the new flash AT45DB621E</p>

## BUGS FIXED IN THIS RELEASE

Ref #	Description
<a href="#">XVP3901-1543</a>	<p><b>OP-47 payloads carrying 2 packets with the same line will lose info</b></p> <p>This bug concerns HD to SD conversions. When a second packet (or payload) is detected with the same line number, this data is pushed towards the next field so that it can be downconverted properly.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-	<b>SCTE-104 does not pass through on a Down/Up conversion.</b>

1526	
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<p><b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b></p>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
RCP200-930	<p><b>XVP-3901 version 320+ not supported.</b></p> <p>New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.</p>

## UPGRADE PACKAGE: 3.3.0

Firmware version: [3.3.0.7 \(INOUT:2186, VPROC:1131, MICRO:7\)](#)

Release date: [2014-03-31](#)

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

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

RCP-200 compatibility: [NA](#)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
XVP3901-1601	<p><b>Add support for Dolby Digital Plus encoding.</b></p> <p>Support the MOD-DOLBY-ENC-D-2 v5.1 module.</p>

## BUGS FIXED IN THIS RELEASE

Ref #	Description
XVP3901-1594	<p><b>Dolby Digital Encoder: pre-encoded (non-PCM) input data corrupted in pass-through mode.</b></p> <p>The sample rate converter (SRC) on the MOD-DOLBY-ENC-D module was always activated thereby modifying and corrupting pre-encoded data passing through the encoder.</p>
XVP3901-1600	<p><b>Dolby module upgrade always fails if a previous module upgrade failed.</b></p> <p>If a Dolby module upgrade fails, for example when the upgrade is interrupted between 0 and 100%, the module will remain in boot mode even after reinserting the XVP-3901 card.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1192	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>
XVP3901-1526	<b>SCTE-104 does not pass through on a Down/Up conversion.</b>
XVP3901-1526	<p><b>Wrong default values after card update.</b></p> <p>This can happen after updating to version 330 from a version previous to 320. The loudness global configuration may not have nominal values</p> <p>Two workarounds are possible:</p> <ol style="list-style-type: none"> <li>1) Reset the card parameters to the factory defaults.</li> <li>2) Reselect the meter mode to force default values.</li> </ol>
XVP3901-1605	<b>GPO 5 and GPO 6 are not available with XVP3901-FS-R rear.</b>
ICONTROL-16023	<p><b>Disabling Loudness Monitoring interrupts momentary loudness logging.</b></p> <p>If the XVP-3901 card is logging loudness data and loudness monitoring is enabled then disabled, the loudness logging activity may be interrupted, i.e. the log file will close while a new one is created. The overall effect is a loss of logged loudness data.</p>
ICONTROL-16024	<p><b>Loudness text alarm not reported to iControl GSM.</b></p> <p>In the Alarm Configuration, the text alarm for loudness no longer represents the cards ability to measure multiple loudness programs.</p>
RCP200-930	<p><b>XVP-3901 version 320+ not supported.</b></p> <p>New features introduced in versions 320 and 330 and listed in this Release Note are not supported RCP-200 v1.8.</p>

## FIRMWARE VERSION: 320

Release date: [2013-01-25](#)

iControl compatibility: [4.40 \(build 24\) and up](#)

iControl Solo compatibility: [4.40 \(build 24\) and up](#)

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

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

## ENHANCEMENTS & NEW FEATURES

Bug#	Description
<a href="#">37941</a>	<p><b>Miranda ALC enhancement</b></p> <p>Added True peak. Also added preset mode : EBU R128, A85 ITU BS.1770 and ARIB</p>
<a href="#">ICONTROL-12709</a>	<p><b>Loudness Logging</b></p> <p>Loudness logging up to 4 independent programs.</p>
<a href="#">ICONTROL-12830</a>	<p><b>Loudness Measurement</b></p> <p>Loudness measurement compliant to EBU R128, A85 and ARIB. Loudness measurement up to 4 independent programs : short Term, Momentary and True Peak max</p>
<a href="#">ICONTROL-12826</a>	<p><b>Added field selection for AFD and VLI extraction</b></p> <p>Extract AFD and VLI from : Field 1, Field 2 or Field 1&amp;2</p>
<a href="#">ICONTROL-16057</a>	<p><b>Added TX Optical Power</b></p>
<a href="#">37726</a>	<p><b>Added XDS implementation</b></p> <p>Extract and insertion of V-Chip Program Rating. Extraction and insertion of Copy &amp; Redistribution Control</p>

<a href="#">37693</a>	<p><b>Local card edge control menu simplified, see user manual for new structure.</b></p> <p>Removed advanced configuration.</p>
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## BUGFIXES

Bug#	Description
<a href="#">33569</a>	Correct 1080p59/1080p50 level B Dual link VPID
<a href="#">34207</a>	Distorted audio on power up or input format change
<a href="#">37954</a>	Able to restore profiles from older version
<a href="#">37941</a>	ALC Loudness measurement doesn't consider LFE for correction. Also weighting is applied on surround channels. As specified on ITU-r BS.1770-1
<a href="#">38082</a>	Disable driver of output B on bypass relay for XVP-3901-FS-R.

## KNOWN BUGS & LIMITATIONS

Bug#	Description
<a href="#">38062</a>	After updating to version 320 a factory reset may be required for the loudness global configuration setting to default to nominal values, or simply reselect the meter mode to force default values.
<a href="#">RCP200-930</a>	XVP3901 version 320 not supported
<a href="#">38030</a>	SCTE-104 does not pass-through on a Down/Up conversion
<a href="#">ICONTROL-16023</a>	Disabling Loudness Monitoring interrupt momentary loudness logging
<a href="#">ICONTROL-16024</a>	Loudness text alarm not reported to iControl GSM.

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29635

**Do not use this package to update a 3DX-3901 in XVP emulation mode.**



## FIRMWARE VERSION: 312

Release date: [2012-04-04](#)

iControl compatibility: [4.11 \(build 27\) and up](#)

iControl Solo compatibility: [4.11 \(build 27\) and up](#)

RCP-200 compatibility: [1.32 and up](#)

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

## BUGFIXES

Bug #	Description
<a href="#">001-00-007911</a>	<p><b>Rare stability issue on the video output</b>            In very rare conditions, the video output may become distorted. This fix is mostly preventive.</p>

## KNOWN BUGS & LIMITATIONS

Bug #	Description
29635	<p><b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b></p>

## FIRMWARE VERSION: 310

Release date: [2011-08-29](#)

iControl compatibility: [4.11 \(build 27\) and up](#)

iControl Solo compatibility: [4.11 \(build 27\) and up](#)

RCP-200 compatibility: [1.32 and up](#)

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

## ENHANCEMENTS & NEW FEATURES

Bug #	Description
	<p><b>This version includes the new Automatic Preset Recall feature.</b></p> <p>With this feature, the card automatically recall user presets based on audio detection scheme. For example, a 5.1/2.0 detection scheme can be used to load a predetermined User Preset if 2.0 audio is detected and a different User Preset when 5.1 is detected. This feature has been implemented in many ANC's, but always as fixed configuration. This implementation is user-configurable in iControl only.</p>

## BUGFIXES

Bug #	Description
<a href="#">32754</a>	Audio click on change of user preset.

## KNOWN BUGS & LIMITATIONS

Bug #	Description
29635	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>

## FIRMWARE VERSION: 302

Release date: [2011-06-03](#)

iControl compatibility: [4.0.3 \(build 65\) and up](#)

iControl Solo compatibility: [3.73 \(build 23\) and up](#)

RCP-200 compatibility: [1.32 and up](#)

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

## BUGFIXES

Bug#	Description
<a href="#">31724</a>	Cannot set card model other than full if none of the ALC options is enabled.
<a href="#">31660</a>	Output Aspect Ratio changes from 4:3 to 16:9 are not clean in Auto mode.

## KNOWN BUGS & LIMITATIONS

Bug#	Description
29635	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>

## FIRMWARE VERSION: 300

Release date: [2011-03-31](#)

iControl compatibility: [4.0.3 \(build 65\) and up](#)

iControl Solo compatibility: [3.73 \(build 23\) and up](#)

RCP-200 compatibility: [1.32 and up](#)

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

## ENHANCEMENTS & NEW FEATURES

Bug #	Description
<a href="#">30646</a>	Support Auto-ARC using automatic 4:3/16:9 output on SD output
<a href="#">30650</a>	AFD : Can now monitor and set a priority for the use of the 3 different AFD incoming flags (SMPTE-2016 AFD, VLI or WSS with 625 line systems).
<a href="#">30651</a>	AFD insertion: It is now possible to insert AFD, VLI and WSS simultaneously
<a href="#">30648</a>	MIRANDA ALC: supports 4 additional programs for a total of 8 programs
<a href="#">30647</a>	The card does Fingerprint generation for both SD and HD outputs
<a href="#">24693</a>	Supports Teletext conversion (SD) to OP-47 (HD) and OP-47 (HD) to Teletext (SD)
<a href="#">30408</a>	Supports CWDM and WDM SFP Optical Plug-in Cartridges
<a href="#">22611</a>	Incoming optical power is now reported.
<a href="#">22613</a>	Display the manufacturer name of the SFP cartridge installed
<a href="#">29927</a>	It is now possible to downscale HD signals to 704 or 720 pixel wide SD video.

## BUGFIXES

Bug#	Description
<a href="#">27425</a>	The Thumbnail player does not display correctly in 625 mode.
<a href="#">30609</a>	PCM Audio glitch when switching between two synchronous sources connected to input 1 and input 2.
<a href="#">30982</a>	AUDIO DEMUX SD : Doesn't support 8 samples per line

## KNOWN BUGS & LIMITATIONS

Bug#	Description
29635	<b>Do not use this package to update a 3DX-3901 in XVP emulation mode.</b>

## FIRMWARE VERSION: 249

Release date: [2010-12-02](#)

iControl compatibility: [3.53 \(build 44\)](#) and up

iControl Solo compatibility: [3.53 \(build 5\)](#) and up

RCP-200 compatibility: [1.10](#) and up

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

## BUGFIXES

Bug #	Description
<a href="#">29567</a>	<p><b>Permanent audio glitches after switch to DPS source</b></p> <p>Sometimes, permanent audio distortion is heard when switching to a source coming out of a DPS-7xx from Harris due to an uneven embedded audio sample distribution. The problem does not disappear until the card is reset. This bug has been introduced around v230.</p>
<a href="#">29650</a>	<p><b>ALMs stop streaming during normal operation</b></p> <p>The ALMs stop working after a certain time of normal operation. A card reset must be done to restart the ALMs. This bug has been present since the first release of the product.</p>

## KNOWN BUGS & LIMITATIONS

Bug #	Description
29635	<p><b>Do not use this package to update a 3DX-3901 in XVP mode.</b></p>