

## EAP-3901/EAP-3101 – Upgrade Package 3.1.2

### Upgrade Package Release History

Release Version	Comprising:		Release Date	Version Details	User Manual for this release (Grass Valley document #)
	Firmware Version	Software Version			
3.1.2	3.1.1	3.1.2	2015.08.24	<a href="#">(go)</a>	M932-9700-310 (3101) M932-9800-310 (3901)
3.1.1	3.1.0	3.1.1	2014.07.24	<a href="#">(go)</a>	M932-9700-310 (3101) M932-9800-310 (3901)
3.1.0	3.1.0	3.1.0	2014.04.30	<a href="#">(go)</a>	M932-9700-310 (3101) M932-9800-310 (3901)

**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: 3.1.2

Firmware Version: [3.1.1](#)

Release date: [2015-08-24](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: [1.80+](#) (via application server mode)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
<a href="#">EAP3901-152</a>	<p><b>Loudness is no more an option</b></p> <p>The loudness feature is not an option anymore. It is given freely. It is the loudness logger software (iControl) that is charged.</p>

## BUGS FIXED IN THIS RELEASE

Ref #	Description
<a href="#">DSERV-1459</a>	<p><b>Dolby DEC card not properly detected</b></p> <p>When used with DOLBY-DEC-2 modules, the decoder is greyed out in the UI. Can't select the decoder as a metadata source.</p>
<a href="#">EAP3901-151</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="#">EAP3901-</a>	<p><b>Preserve incoming VPID</b></p>

<p><a href="#">154</a></p>	<p>If all the following conditions are met, the VPID bytes (SMPTE-352) are transferred from the input to the output without any processing:</p> <ol style="list-style-type: none"> <li>1. Video format is 3Gbits/s in either Level-A or Level-B Dual-Link</li> <li>2. Input and output video formats are identical</li> </ol>
<p><a href="#">001-00-018703</a></p>	<p><b>Updated Algorithms for audio loudness and true-peak level (ITU BS.1770-3)</b></p> <p>The labels in the iControl UI do not reflect the latest standards/algorithms supported (ITU BS.1770-3). The card does the proper processing but the labels are wrong.</p>

## KNOWN BUGS & LIMITATIONS

Ref #	Description
<p>AMX3981-14</p>	<p><b>Metadata packet insertion during 3G Level B outputs.</b></p> <p>During 3G Level B operation, there may be situations where output Ancillary Time Code (ATC) packets will be inserted on Link B. Asynchronous sources with respect to the reference may insert ATC packets on Link B instead of Link A. If the source and reference are synchronous, then ATC packets may find themselves on Link B depending on the source's timing with respect to the reference. An aligned input places ATC packets on the proper link (Link A).</p> <p>This situation does not occur when no reference is installed.</p>

## UPGRADE PACKAGE: 3.1.1

Firmware Version: [3.1.0](#)

Release date: [2014-07-24](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: [1.80+](#) (via application server mode)

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description

## BUGS FIXED IN THIS RELEASE

Ref #	Description
DSERV-561	<p><b>Scripting does not work in iControlWeb</b></p> <p>With previous upgrade packages installed, it is not possible to control the service using the proxy from iControlWeb. A java error is reported and scripting is not supported.</p>

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	<p>with respect to the reference may insert ATC packets on Link B instead of Link A. If the source and reference are synchronous, then ATC packets may find themselves on Link B depending on the source's timing with respect to the reference. An aligned input places ATC packets on the proper link (Link A).</p>
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This situation does not occur when no reference is installed.

## UPGRADE PACKAGE: 3.1.0

Firmware Version: 3.1.0

Release date: 2014-04-30

iControl compatibility: 5.00+

iControl Solo compatibility: 6.00+

RCP-200 compatibility: NA

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

## ENHANCEMENTS & NEW FEATURES

Ref#	Description
EAP3981-142	<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
AMX3981-388	<p><b>Changing the output selection of an installed module can mute the module's inputs.</b></p> <p>This affected the following modules:</p> <ul style="list-style-type: none"> <li>- MOD-DOLBY-ENC-D Dolby Digital encoder</li> <li>- MOD-DOLBY-ENC-D-2 Dolby Digital and Dolby Digital Plus encoder</li> <li>- MOD-DOLBY-ENC-E Dolby E encoder</li> <li>- MOD-LA-ALC-x x-channel ALC licensed by Linear Acoustic</li> <li>- MOD-LA-ALC-x-DUP x-channel ALC and upmix licensed by Linear Acoustic</li> <li>- MOD-JA-ALC-x x-channel ALC licensed by Jünger Audio</li> <li>- MOD-JA-ALC-x-DUP x-channel ALC licensed by Jünger Audio and upmix licensed by Linear Acoustic</li> </ul>
EAP3981-143	<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</p>

	the encoder.
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