

AMX-3981

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	2015.08.31	(go)	M922-9900-310
3.1.0	3.1.0	3.1.0	2014.04.30	(go)	M922-9900-310

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: [2015-08-31](#)

iControl compatibility: [5.0](#)

iControl Solo compatibility: [6.0](#)

RCP-200 compatibility: [NA](#)

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

ENHANCEMENTS & NEW FEATURES

Ref#	Description
AMX3981-452	<p>Loudness is no more an option</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
AMX3981-441	<p>Micro-controller crashing when communication is overloaded</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"> Downgrade the Densité controller of the frame to version 204
AMX3981-430	<p>Preserve incoming VPID</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"> Video format is 3Gbits/s in either Level-A or Level-B Dual-Link Input and output video formats are identical
001-00-018703	<p>Updated Algorithms for audio loudness and true-peak level (ITU BS.1770-3)</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>
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KNOWN BUGS & LIMITATIONS

Ref #	Description
<p>AMX3981-14</p>	<p>Metadata packet insertion during 3G Level B outputs.</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: 3.1.0

Firmware version: 3.1.0

Release date: 2014-04-30

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
AMX3981-419	<p>Add support for Dolby Digital Plus encoding.</p> <p>Support the MOD-DOLBY-ENC-D-2 v5.1 module.</p>

BUGS FIXED IN THIS RELEASE

Ref #	Description
AMX3981-388	<p>Changing the output selection of an installed module can mute the module's inputs.</p> <p>This affected the following modules:</p> <ul style="list-style-type: none"> - MOD-DOLBY-ENC-D Dolby Digital encoder - MOD-DOLBY-ENC-D-2 Dolby Digital and Dolby Digital Plus encoder - MOD-DOLBY-ENC-E Dolby E encoder - MOD-LA-ALC-x x-channel ALC licensed by Linear Acoustic - MOD-LA-ALC-x-DUP x-channel ALC and upmix licensed by Linear Acoustic - MOD-JA-ALC-x x-channel ALC licensed by Jünger Audio - MOD-JA-ALC-x-DUP x-channel ALC licensed by Jünger Audio and upmix licensed by Linear Acoustic
AMX3981-420	<p>Dolby Digital Encoder: pre-encoded (non-PCM) input data corrupted in pass-through mode.</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>

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