

XVP-3901-DPI

RELEASE HISTORY

Release Version	Comprising:		Release Date	User Manual for this release (GV document #)
	Firmware Version	Software Version		
9.6.8	9.6.8.98	9.6.8-RC-15	2017-11-06	886-38M00-100
9.6.8	9.6.8.97	9.6.8-RC-14	2017-03-23	886-38M00-100
9.6.8	9.6.8.93	9.6.8-RC-13	2016-09-12	886-38M00-100
9.6.8	9.6.8.93	9.6.8-RC-8	2016-04-18	886-38M00-100
9.6.8	9.6.8.86	9.6.8-RC-6	2015-09-25	886-38M00-100
9.6.8	9.6.8.58	9.6.8-RC-2	2014-09-12	886-38M00-100
NA	9.6.8.48	NA	2013-07-23	886-38M00-100

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: 9.6.8-RC-15

Firmware Version: 9.6.8.98

Release date: 2017-11-06

iControl compatibility: 5.00+

iControl Solo compatibility: 6.00+

RCP-200 compatibility: NA

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

BUGS FIXED IN THIS RELEASE

Ref #	Description
DPI3901-19	<p>Downmix is always enabled and the control is jammed on "OFF" The downmix operation mode parameter is jammed to "OFF" even though the downmix is enabled.</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1639	<p>SCTE-104 parameters are not saved in the user presets The SCTE-104 parameters are not saved in the user presets. They are only saved in the current setting of the card.</p>
38076	<p>Handling of additional SCTE-104 messages sent during the GPO interval. When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.</p>
29635	<p>Do not use this package to update a 3DX-3901 in XVP emulation mode.</p>
37085	<p>XVP-3901-DPI cannot be upgrade to a full XVP-3901.</p>
37086	<p>XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW</p>

UPGRADE PACKAGE: [9.6.8-RC-14](#)

Firmware Version: [9.6.8.97](#)

Release date: [2017-03-23](#)

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
DPI3901-7	<p>Ability to send SCTE-104 on serial port in Extract mode Added ability for forwarding extracted SCTE-104 packets through RS-422 output when card is in extract mode.</p>

BUGS FIXED IN THIS RELEASE

Ref #	Description
DPI3901-4	<p>Copy user profile does not work Card becomes unresponsive and must be reseated when copying a preset to disk or to another card.</p>
DPI3901-5	<p>Loading restore point does not work SCTE card parameters are not restored correctly when loading a restore point.</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-1639	<p>SCTE-104 parameters are not saved in the user presets The SCTE-104 parameters are not saved in the user presets. They are only saved in the current setting of the card.</p>

38076	Handling of additional SCTE-104 messages sent during the GPO interval. When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.
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37085	XVP-3901-DPI cannot be upgrade to a full XVP-3901.
37086	XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW

UPGRADE PACKAGE: [9.6.8-RC-13](#)

Firmware Version: [9.6.8.93](#)

Release date: [2016-09-12](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: NA

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

BUGS FIXED IN THIS RELEASE

Ref #	Description
DSERV-2109	<p>Service Panel log timestamp does not account for the time zone The densite manager needs to be restarted after changing the server timezone for the new time zone to be used.</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
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38076	<p>Handling of additional SCTE-104 messages sent during the GPO interval. When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.</p>
29635	<p>Do not use this package to update a 3DX-3901 in XVP emulation mode.</p>
37085	<p>XVP-3901-DPI cannot be upgrade to a full XVP-3901.</p>
37086	<p>XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW</p>

UPGRADE PACKAGE: 9.6.8-RC-8

Firmware Version: 9.6.8.93

Release date: 2016-04-18

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
DPI3901-2	<p>Configuration of field extraction for AFD</p> <p>As per standard, the AFD metadata needs to be on every video field. But some customer signals only have it on one field. In these cases, the card will report an AFD status change at every other field. This causes undesirably high network traffic.</p> <p>So a configuration in the local menu of the card has been added to configure if AFD should be detected on either:</p> <ul style="list-style-type: none"> • Field 1 only • Field 2 only • Both fields

BUGS FIXED IN THIS RELEASE

Ref #	Description
DPI3901-3	<p>Support new hardware platform (PCB 600)</p> <p>Added support for the new flash AT45DB621E</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
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XVP3901-1639	<p>SCTE-104 parameters are not saved in the user presets The SCTE-104 parameters are not saved in the user presets. They are only saved in the current setting of the card.</p>
38076	<p>Handling of additional SCTE-104 messages sent during the GPO interval. When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.</p>
<p>29635</p>	<p>Do not use this package to update a 3DX-3901 in XVP emulation mode.</p>
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UPGRADE PACKAGE: 9.6.8-RC-6

Firmware Version: 9.6.8.86

Release date: 2015-09-25

iControl compatibility: 5.00+

iControl Solo compatibility: 6.00+

RCP-200 compatibility: NA

Hardware compatibility: This firmware applies **ONLY** to PCB version 500 and lower.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
XVP3901-1685	<p>Keep Alive Packet insertion configurable as ON/OFF</p> <p>Added a card menu option to turn ON or OFF the "keep alive" packet insertion. This setting is enabled by default during a factory reset. This setting is not influenced by a recall of a user preset.</p>

BUGS FIXED IN THIS RELEASE

Ref #	Description
XVP3901-1695	<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: Downgrade the Densité controller of the frame to version 204</p>

KNOWN BUGS & LIMITATIONS

Ref #	Description
XVP3901-	SCTE-104 parameters are not saved in the user presets

1639	The SCTE-104 parameters are not saved in the user presets. They are only saved in the current setting of the card.
38076	<p>Handling of additional SCTE-104 messages sent during the GPO interval.</p> <p>When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.</p>
29635	Do not use this package to update a 3DX-3901 in XVP emulation mode.
37085	XVP-3901-DPI cannot be upgrade to a full XVP-3901.
37086	XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW

UPGRADE PACKAGE: 9.6.8-RC-2

Firmware Version: [9.6.8.58](#)

Release date: [2014-09-12](#)

iControl compatibility: [5.00+](#)

iControl Solo compatibility: [6.00+](#)

RCP-200 compatibility: NA

Hardware compatibility: This firmware applies **ONLY** to PCB version 500 and lower.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
DPI-0001	Added "SCTE MODE" setting in card edge menu to allow enabling/disabling the use of GPI5 & GPI6 as a mean to toggle SCTE mode between mux & demux

BUGS FIXED IN THIS RELEASE

Ref #	Description
001-00-015023	Fixed a regression bug from the previous build that caused multi operation messages inserted from automation to be unrecognized downstream because of a formatting error.
001-00-015023	Removed the filtering of duplicate messages based on the message number field. Receiving two consecutive messages with the same message number caused the second message to be ignored.
001-00-012579	Fixed SCTE RS-422 automation protocol that could cause messages to be dropped if their CRC ended with a specific byte value.

KNOWN BUGS & LIMITATIONS

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	of the card.
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FIRMWARE VERSION: 9.6.8.48

Firmware Version: [9.6.8.48](#)

Release date: [2013-07-23](#)

iControl compatibility: [4.4.2 and up](#)

iControl Solo compatibility: [4.4.2 and up](#)

RCP-200 compatibility: NA

Hardware incompatibility: [This firmware applies ONLY to PCB version 500 and lower.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description

BUGFIXES

Bug#	Description
95602	An SCTE-104 message from the automation port could be skipped If the last CRC byte (LSB) is 0x1B, the following stop byte will be missed and as a result the message will be skipped.

KNOWN BUGS & LIMITATIONS

Bug#	Description
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29635	Do not use this package to update a 3DX-3901 in XVP emulation mode.
37085	XVP-3901-DPI cannot be upgrade to a full XVP-3901.

37086	XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW
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FIRMWARE VERSION: 9.6.8.46

Firmware Version: 9.6.8.46

Release date: 2013-02-13

iControl compatibility: 4.4.2 and up

iControl Solo compatibility: 4.4.2 and up

RCP-200 compatibility: NA

Hardware incompatibility: This firmware applies **ONLY** to PCB version 500 and lower.

ENHANCEMENTS & NEW FEATURES

Ref#	Description
95603	<p>GPO programmable pulse width</p> <ol style="list-style-type: none"> The XVP-3901-DPI firmware will be modified to support a programmable GPO duration from a pre-defined range from 20 milliseconds to 500 milliseconds in steps of 10 ms. The default duration will be set to the current XVP-3901-DPI duration, ie.17 ms . The duration of the GPO pulse can be programmed from the card edge control panel and iControl (version 4.4.2+). The GPO pulse duration parameter is global for all GPO. The GPO pulse duration will not be saved with the user presets. The GPO pulse duration will be reset to default with load factory presets.

BUGFIXES

Bug#	Description
95602	<p>The GPO line is activated on power-up and stays active until further action is requested</p> <p>The GPO line should be inactive on power-up until activated by an event</p>

KNOWN BUGS & LIMITATIONS

Bug#	Description
38076	<p>Handling of additional SCTE-104 messages sent during the GPO interval. When multiple SCTE-104 messages are received within a GPO pulse interval, the pulse duration is extended instead of multiple pulses being generated.</p>
29635	<p>Do not use this package to update a 3DX-3901 in XVP emulation mode.</p>
37085	<p>XVP-3901-DPI cannot be upgrade to a full XVP-3901.</p>
37086	<p>XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW</p>

FIRMWARE VERSION: 956

Firmware Version: [9.5.6.36](#)

Release date: [2012-08-14](#)

iControl compatibility: [4.3.0 \(build 232\) and up](#)

iControl Solo compatibility: [4.3.0 \(build 49\) and up](#)

RCP-200 compatibility: NA

Hardware incompatibility: [This firmware applies ONLY to PCB version 500 and lower.](#)

ENHANCEMENTS & NEW FEATURES

Ref#	Description
37083	<p>Support of SCTE 104 messages</p> <ul style="list-style-type: none"> - Insertion of SCTE 104 messages into VANC as per SMPTE 2010 triggered by GPI - Monitoring and extraction of SCTE 104 packets and triggers GPI. - Serial Port for SCTE 104 serial communication with an automation system. - 6 GPI input and 4 GPI outputs. - support double rear with bypass relay: XVP-3901-3DRP-R

KNOWN BUGS & LIMITATIONS

Bug#	Description
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37085	XVP-3901-DPI cannot be upgrade to a full XVP-3901.
37086	XVP-3901-DPI FW cannot be updated with a standard XVP-3901 FW