XIP-3901-FS

Release History

Release Version	Comprising:		Release Date	User Manual for this Release (Grass Valley Document #)
	Firmware Version	Software Version		
2.0.0	**2.0.0.130**	**2.0.0**	**2020-01-13**	**13-03065-010 Rev. AF**
1.1.0	**1.1.0.91**	**1.1.0**	**2019-02-15**	**13-03065-010 Rev. AD**
1.0.0	**1.0.0.82**	**1.0.0**	**2018-11-07**	**13-03065-010 Rev. AC**

WARNINGS

XIP3901FS-766	**Upgrade/Downgrade between 2.x.x and 1.x.x** Each version has its settings. Consequently upgrading or downgrading between 2.x.x and 1.x.x might require ETH3 reconfiguration

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: 2.0.0

Firmware version: 2.0.0 (CPU 2.0.0.130, FPGA 2.0.0.15)

Release date: 2020-01-13

iControl compatibility: 7.51+

iControl Solo compatibility: 7.51+

RCP-200 compatibility: N/A

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

Release type: Official release

ENHANCEMENTS & NEW FEATURES

Ref #	Description

XIP3901FS-695	**Additional HDR processing**
	
	Here are the new features :
	   1. Support of BBC LUTs
	   2. Support of Custom LUTs
	   3. Possibility to force a new VPID
	These new feature required XIP-3901-UDC-HDR option

XIP3901FS-697	**Additional Video Test Pattern** Possibility to enable HLG and PQ Test pattern on 3G, 12G and Quad Link 3G SDI outputs

XIP3901FS-764	**Additional Network features**
	
	Here are the new features:
	   1. Support new bridged interface through the frame controller's Ethernet ports. This must not contain any of the frame controller's IP addresses
	   2. Support DHCP
	   3. Support LLDP

XIP3901FS-763	**Additional settings and statuses on the local menu**
	
	`Here are the new features:`
	`    1. Possibility to set ETH3 and FRM interface through local menu`
	`    2. Possibility to display ETH3 and FRM interface statuses`

XIP3901FS-640	**Audio Pass-through on Quad Link 3G**
	
	`On Quad Link 3G and Quad Link 3G - 2SI/Square mode, Audio should pass-`
	`through on 3G Link 1 to 3G Link 4`

BUG FIXES

Ref #	Description

XIP3901FS-612	**Colorimetry info on VPID doesn't follow on test pattern**
	
	`When Test Pattern is enabled outgoing colorimetry follows the SDI input`
	`colorimetry when it should be SDR BT.709`

KNOWN BUGS & LIMITATIONS

Ref #	Description

XIP3901FS-769	**Custom LUT Limitations**
	
	`Custom LUTs are not managed by Factory, User Presets and Profiles.`
	`To delete Custom LUTs, you need to manually delete each of them.`
	
	`Furthermore, Custom LUTs Files are shared by all XIP-3901 applications:`
	`XIP-3901-UC, XIP-3901-DC, XIP-3901-FS, and so on.`

XIP3901FS-750	**Metadata doesn't pass-through on 3G Link 2 to 3G Link 4** On Quad Link 3G and Quad Link 3G - 2SI/Square mode, Metadata doesn't pass-through on 3G Link 2 to 3G Link 4
XIP3901FS-709	**On minimum Delay, Audio doesn't pass-through on 3G Link 2 to 3G Link 4** On Quad Link 3G and when Minimum delay is enabled, Audio doesn't pass-through on 3G Link 2 to 3G Link 4
XIP3901FS-542	**No error is reported for 3G Level B DS sources.** 3G Level B Dual Stream input signals are not supported. They are erroneously identified as Dual Link. When this occurs, the error is not reported, but the output is invalid.
XIP3901FS-543	**Potential problem with metadata packet placement during 3 G-A to 3G-B operations.** 3G-A/Quad-Link 3G-A to 3G-B/Quad-Link 3G-B: Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line on link A and/or be placed on link B. This will occur only for 3G-A/Quad Link 3G-A inputs. 3G-B/Quad-Link 3G-B to 3G-A/Quad-Link 3G-A: Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line. This will occur only for 3G-A/Quad-Link 3G-A outputs.
XIP3901FS-544	**SD-SDI video format is not reported.** Although SD-SDI input signals are unsupported, the video format should be reported but is identified as "unknown format" instead.
XIP3901FS-545	**Application version is not updated in the local menu.**

	Upgrading an application that is not in use won't update its application version in the local menu. The version in the local menu is updated at boot time.

UPGRADE PACKAGE: 1.1.0

Firmware version: 1.1.0 (CPU 1.1.0.91, FPGA 1.0.0.30)

Release date: 2019-02-15

iControl compatibility: 7.51+

iControl Solo compatibility: 7.51+

RCP-200 compatibility: N/A

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

Release type: Official release

ENHANCEMENTS & NEW FEATURES

Ref #	Description
XIP3901FS-618	**Wide HDR Ref White Range** Support wide HDR Ref White range for : - SDR to HLG BT.2100 - HLG BT.2100 to SDR - SDR to PQ BT.2100 - PQ BT.2100 to SDR
XIP3901FS-617	**Input & Output Range** Control Input Range for PQ BT.2100 to SDR and Output Range for SDR to PQ BT.2100

BUG FIXES

Ref #	Description
XIP3901FS-651	**Card presets are not recovered on a profile.** Card presets are not recovered when restoring profile.

KNOWN BUGS & LIMITATIONS

Ref #	Description
XIP3901FS-542	**No error is reported for 3G Level B DS sources.** 3G Level B Dual Stream input signals are not supported. They are erroneously identified as Dual Link. When this occurs, the error is not reported, but the output is invalid.
XIP3901FS-543	**Potential problem with metadata packet placement during 3 G-A to 3G-B operations.** 3G-A/Quad-Link 3G-A to 3G-B/Quad-Link 3G-B: Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line on link A and/or be placed on link B. This will occur only for 3G-A/Quad Link 3G-A inputs. 3G-B/Quad-Link 3G-B to 3G-A/Quad-Link 3G-A: Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line. This will occur only for 3G-A/Quad-Link 3G-A outputs.
XIP3901FS-544	**SD-SDI video format is not reported.** Although SD-SDI input signals are unsupported, the video format should be reported but is identified as "unknown format" instead.
XIP3901FS-545	**Application version is not updated in the local menu.** Upgrading an application that is not in use won't update its application version in the local menu. The version in the local menu is updated at boot time.

UPGRADE PACKAGE: 1.0.0

Firmware version: 1.0.0 (CPU 1.0.0.82, FPGA 1.0.0.30)

Release date: 2018-11-07

iControl compatibility: 7.51+

iControl Solo compatibility: 7.51+

RCP-200 compatibility: N/A

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

Release type: Official release

KNOWN BUGS & LIMITATIONS

Ref #	Description
XIP3901FS-542	**No error is reported for 3G Level B DS sources.** `3G Level B Dual Stream input signals are not supported. They are erroneously identified as Dual Link. When this occurs, the error is not reported, but the output is invalid.`

XIP3901FS-543	**Potential problem with metadata packet placement during 3 G-A to 3G-B operations.**
	
	`3G-A/Quad-Link 3G-A to 3G-B/Quad-Link 3G-B:`
	
	`Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line on link A and/or be placed on link B.`
	
	`This will occur only for 3G-A/Quad Link 3G-A inputs.`
	
	`3G-B/Quad-Link 3G-B to 3G-A/Quad-Link 3G-A:`
	
	`Some incoming metadata packets, other than audio or any processed metadata, may pass through to the output and may end up on an incorrect line.`
	
	`This will occur only for 3G-A/Quad-Link 3G-A outputs.`

XIP3901FS-544	**SD-SDI video format is not reported.**

	Although SD-SDI input signals are unsupported, the video format should be reported but is identified as "unknown format" instead.
XIP3901FS-545	**Application version is not updated in the local menu.** Upgrading an application that is not in use won't update its application version in the local menu. The version in the local menu is updated at boot time.