Release Notes

XIP-3901-GB-IP

Release History

Release Version	Comprising:		Release Date	User Manual for this Release (Grass Valley Document #)
	Firmware Version	Software Version		
1.0.3	1.0.3.132	1.0.3	2021-10-15	13-03065-010 Rev. AI
1.0.1	1.0.1.114	1.0.1	2021-01-22	13-03065-010 Rev. AI
1.0.0	1.0.0.111	1.0.0	2020-08-25	13-03065-010 Rev. AI

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: 1.0.3

Firmware version: 1.0.3 (CPU 1.0.3.132, FPGA 1.2.0.18)

Release date: 2021-10-15

GV Orbit: 1.0+

GV Convergent: 2.1.2

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
N/A	N/A

BUG FIXES

Ref #	Description
XIPGBIP-607	**IP streams may not be correctly received after a power-up** After a power-up, sometimes receivers that were previously configured did not start to receive their IP streams.
XIPGBIP-547	**Cannot join ST 2110-31 audio stream through NMOS** Joining an ST 2110-31 audio stream **now** succeed**s** through NMOS IS-05 routing.

XIPGBIP-510	**SDP file payload type for Video 2-4 does not follow payload type setting** The media description in the ST 2110-20 SDP file contains the <fmt> sub-field corresponding to the payload type. m=audio 10000 RTP/AVP <fmt> When changing the ST 2110-20 payload type in the user interface Sender > Advanced tab, this sub-field **was only** updated for Video 1 but not for Video 2-4.
XIPGBIP-512	**SDP file payload type for Audio 2-4 does not follow payload type setting** The media description in the ST 2110-30 SDP file contains the <fmt> sub-field corresponding to the payload type. m=audio 10000 RTP/AVP <fmt> When changing the ST 2110-30 payload type in the user interface Sender > Advanced tab, this sub-field **was only** updated for Audio 1 but not for Audio 2-4.
XIPGBIP-522	**Oversubscription causes receivers to become unstable** The 25 Gb media port receiver can handle up to two UHD streams. When joining streams, if the total receiver bit rate exceeds this limit, the receivers become unstable and errors are produced. This can happen when the receiver operation mode is set to Quad Stream UHD 2SI Division or Quad Stream UHD Square Division and a video receiver joins a 2160p stream instead of a 1080p stream. The receivers will now become stable again when the bit rate is returned to a value lower than the limit.
XIPGBIP-612	**Copy Profile does not exclude hostname** Copying a Profile from card to card also copied the hostname. But when more than one card has the same hostname and NMOS Registry Mode is set to Auto, it causes problems with NMOS operation because the hostname is used in the Node API.
XIPGBIP-598 XIPGBIP-604 XIPGBIP-609	**IP reception may fail when media ports or switch ports are toggled off and on** When the card's media ports were toggled off and on or when the switch ports to which they are connected were toggled off and on, IP stream reception could fail.
XIPGBIP-623	**Receiver lock time is many minutes after toggling switch ports** When the card is receiving streams and the switch ports to which the card's media ports are connected to are disabled and enabled again, it could have taken many minutes before the receivers properly recover the streams.

XIPGBIP-481	**NMOS not registered after changing port configuration to DHCP then back to Static IP** The NMOS node did not always register when changing the Control Port from Static to DHCP and back to Static.
XIPGBIP-504	**NMOS fails to register after Registration Port number is changed** When the NMOS is registered using a Registration Port number, then changed to another number and finally restored to the original working number, the node did not register again.
XIPGBIP-635	**Instability using NMOS over Media Ports** Accessing the card's NMOS node (HTTP GET) through its Media Ports may return a truncated answer when the requested information (JSON) is bigger than the network MTU.

KNOWN BUGS

Ref #	Description
XIPGBIP-531	**No error reported when video streams 1-4 do not have the same frame rate** In input operation mode Quad Stream UHD 2SI Division or Quad Stream UHD Square Division, no error is reported when video streams 1, 2, 3 and 4 do not have the same frame rate.
XIPGBIP-540	**Unable to route audio to audio 2-4 using GV Orbit and Group Hint Tag** Currently, GV Orbit does not use the Group Hint Tag when assigning logical sources and destinations that were manually created. Workaround: Manually delete the unwanted streams and add the desired ones in the logical source/destination.

UPGRADE PACKAGE: 1.0.1

Firmware version: 1.0.1 (CPU 1.0.1.114, FPGA 1.1.0.16)

Release date: 2021-01-22

GV Orbit: 1.0+

GV Convergent: 2.1.2

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
N/A	N/A

BUG FIXES

Ref #	Description
XIPGBIP-597	**XIP-3901-GB-IP Receiver is offset when converting Quad Stream to Single-stream 4K UHD** Corrected a problem seen when using XIP-3901-GB-IP to convert quad stream to single stream UHD, where sometimes the 2160P50 UHD single stream picture will be exhibiting ghosting artifacts.
XIPGBIP-601	**In Single Stream UHD, Dashboard for GB1 and GB2 show “green” when both Network media are OFF.** Corrected a problem seen in Single Stream UHD, where the iControl dashboard icons for paths GB1 and GB2 would show “green” even when both media interfaces were OFF.

KNOWN BUGS

Ref #	Description
XIPGBIP-547	**Cannot join ST 2110-31 audio stream through NMOS** Joining an ST 2110-31 audio stream does not succeed through NMOS IS-05 routing even though the destination's SDP file contains the correct information after the take: a=rtpmap:<pt> AM824/<clock-rate>/<nchan> Workaround: Use the XIP-3901-GB-IP control panel to manually configure the destination's receiver parameters.
XIPGBIP-510	**SDP file payload type for Video 2-4 does not follow payload type setting** The media description in the ST 2110-20 SDP file contains the <fmt> sub-field corresponding to the payload type. When changing the ST 2110-20 payload type in the user interface Sender > Advanced tab, this sub-field is updated for Video 1 but not for Video 2-4. m=audio 10000 RTP/AVP <fmt> Workaround: Manually stop and start Video 2-4 senders / Reboot card.
XIPGBIP-512	**SDP file payload type for Audio 2-4 does not follow payload type setting** The media description in the ST 2110-30 SDP file contains the <fmt> sub-field corresponding to the payload type. When changing the ST 2110-30 payload type in the user interface Sender > Advanced tab, this sub-field is updated for Audio 1 but not for Audio 2-4. m=audio 10000 RTP/AVP <fmt> Workaround: Manually stop and start Audio 2-4 senders / Reboot card.
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XIPGBIP-540	**Unable to route audio to audio 2-4 using GV Orbit and Group Hint Tag** Currently, GV Orbit does not use the Group Hint Tag when assigning logical sources and destinations that were manually created. Workaround: Manually delete the unwanted streams and add the desired ones in the logical source/destination.

UPGRADE PACKAGE: 1.0.0

Firmware version: 1.0.0 (CPU 1.0.0.111, FPGA 1.0.0.144)

Release date: 2020-08-25

GV Orbit: 1.0+

GV Convergent: 2.1.2

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.

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