



grass valley

A **BELDEN** BRAND

IPVU

Version 2.1.0

Release Notes

13-03068-030-M00 AC

2020-07-08

www.grassvalley.com

Copyright and Trademark Notice

Copyright © 2019–2020, Grass Valley Canada. All rights reserved.

Belden, Belden Sending All The Right Signals, and the Belden logo are trademarks or registered trademarks of Belden Inc. or its affiliated companies in the United States and other jurisdictions. Grass Valley, IPVU are trademarks or registered trademarks of Grass Valley Canada. Belden Inc., Grass Valley Canada, and other parties may also have trademark rights in other terms used herein.

Product Patents

This product may be protected by one or more patents. For further information, please visit: www.grassvalley.com/patents/

Terms and Conditions

Please read the following terms and conditions carefully. By using GV Convergent documentation, you agree to the following terms and conditions.

Grass Valley hereby grants permission and license to owners of GV Convergents to use their product manuals for their own internal business use. Manuals for Grass Valley products may not be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, for any purpose unless specifically authorized in writing by Grass Valley.

A Grass Valley manual may have been revised to reflect changes made to the product during its manufacturing life. Thus, different versions of a manual may exist for any given product. Care should be taken to ensure that one obtains the proper manual version for a specific product serial number.

Information in this document is subject to change without notice and does not represent a commitment on the part of Grass Valley.

Warranty information is available from the Legal Terms and Conditions section of Grass Valley's website (www.grassvalley.com).

Warranty Policies

Warranty information is available from the Legal Terms and Conditions section of Grass Valley's website (www.grassvalley.com).

Title	IPVU Version 2.1.0 Release Notes
Part Number	13-03068-030-M00 AC
Revision	08-07-2020, 13:02

toc

Table of Contents

1	Installation and Network Requirements	5
	Hardware Requirements	5
	System Requirements for running the RollCall Client	5
	Network Requirements	6
	TCP/UDP Port Usage	6
	Equipment Interoperability Incompatibility	6
	Documentation	6
2	Release Notes	7
	Overview	7
	Before Upgrading IPVU	7
	New Features, Enhancements, and Bugs Fixed in IPVU	7
	IPVU Version 2.1.0	7
	IPVU Version 2.0.0	8
	IPVU Version 1.0.0	8
	Known Issues and Limitations	9
	Contact Us	10

1

Installation and Network Requirements

This section details the requirements that must be met prior to installing or upgrading a system with the current version of RollCall for use with an IPVU. It also provides upgrading and configuration guidelines, as well as tips to improve performance.

Hardware Requirements

System Requirements for running the RollCall Client

The client platform must meet the following system specifications for optimal performance:

Operating system	Microsoft Windows 10, Windows 8.1, Windows 8, or Windows 7
Processor	Intel Core i3, the minimum required by the operating system, or better
Memory	8 GB RAM minimum, the minimum required by the operating system, or more
Disk Space	The minimum required by the operating system plus one GB, or more

Network Requirements

Users can access the IPVU from a client PC using RollCall.

It is recommended that the IPVU be installed on a dedicated LAN, using the existing security infrastructure. A qualified system administrator should verify that the setup follows the security standards of your organization. Refer to the *IPVU Installation Guide* for RollCall software installation information.

TCP/UDP Port Usage

Certain ports must be open on the management network. This information can be found under **Port Usage** in the *RollCall V4 Suite & RollCall Lite Installation Guide*.

Port Number	Application / Protocol
80	Web port needs to be available to the IPVU in order to access the web administration page. Communication with some devices and services is done via REST (Cisco DCNM, Densité Manager, AMWA NMOS).
3210 3211 4040 4041	Possible ports used for NMOS. These are typical port numbers that may not reflect your current installation. See the <i>IPVU Installation Guide</i> for more information about the registration and query port settings you are using for NMOS.

Equipment Interoperability Incompatibility

While IPVU can integrate with a wide range of equipment, this does not guarantee interoperability between equipment. Always consult product datasheets to ensure that common signal types are supported by both pieces of equipment for interoperability.

Documentation

You can obtain the latest version of the Release Notes and all manuals from the Documentation Library section of Grass Valley's website.

2 Release Notes

The *IPVU Release Notes* guide includes lists of new features and enhancements, bugs fixed, as well as known issues and limitations associated with the latest version of the RollCall software.

Overview

IPVU version 2.1.0 is a minor release. It includes a few new features, and enhancements.

Before Upgrading IPVU

Backup the IPVU configuration to your local PC before you perform a IPVU software upgrade so that you can return to the previous IPVU software version if necessary. Refer to **Save** and **Restore** in the *RollCall Control Panel User Manual*, available for download from the Grass Valley website.

New Features, Enhancements, and Bugs Fixed in IPVU

The following is a list of IPVU features and enhancements. The most recent items are marked with a star (★) symbol.

IPVU Version 2.1.0

New Features and Enhancements

- ★ [Ref. #PEG-10342] **DNS-SD Support for the NMOS registry discovery:** IPVU can now automatically discover an NMOS registry via DNS-SD given the DNS server and search domain. You also have the option to set a static NMOS registry URL if desired.
- ★ **IPVU supports ST 2022-6, video essence only:** The IPVU can now receive SMPTE ST 2022-6 flows, however it does not support neither audio nor ancillary essences for this flow type. Only the video essence of this flow type is supported.
- ★ **IPVU supports logging:** The IPVU now supports logging of a wide range of operating parameters. You can now select any of these parameters to send to a logging server such as GV Orbit.

IPVU Version 2.0.0

New Features and Enhancements

- [Ref.#IPVU-399] **Fan Status is available:** the Fan Status is available in Rollcall's "System Status" page. When the fan is working normally, then the status is "OK". When the fan is not working properly, the status is "FAIL".
- [Ref.#IPVU-973] **Override of the MONITOR OUTPUT static HDR metadata infoframe value:** in RollCall, the MONITOR OUTPUT HDR-related metadata in the infoframe can be manually overridden to better support HDR.
- [Ref.#IPVU-1065] **UHD quad link/stream - SQD is supported:** the ability to display a UHD-4K square division signal is now supported.

Bugs Fixed

- [Ref.#IPVU-993] **IPVU Counters Page has been updated:** from Rollcall's "Counter" page, you can clear all counters relevant to an IPVU. All counters that were irrelevant to an IPVU have been removed.

IPVU Version 1.0.0

This is the first release.

Known Issues and Limitations

The following is a list of known issues and limitations associated with IPVU. The star (★) symbol indicates a new issue in IPVU version 2.1.0.

- [Ref. #IPVU-965] **In Rollcall, the RTP Discontinuity count failed with single dropped packets:** RollCall's RTP Discontinuity counter sometimes does not register a single dropped packet. When more than one packet is dropped then the counter does increment.
- [Ref. #IPVU-963] **When using PTP Multicast with ST 2022-7 and switching between ports may result in a glitch:** when using ST 2022-7 and are switching between media ports, a short (~1 sec.) glitch may occur due to the time of the PTP receiver to sync with the alternate media port grandmaster.
- [Ref. #IPVU-961] **The message timeout counter in the "Time Sync Configuration" panel does not count.**
- [Ref. #IPVU-948] **IPVU may not lock when inserting the primary media link after bootup:** the IPVU might not lock or boot when inserting primary media link after power-up.
- If this happens, connect the primary Media 1 port and then power cycle the IPVU (disconnect power from the IPVU for at least 5 seconds).
- [Ref. #IPVU-879] **The "Auto" option in Rollcall's Receiver Video standard parameter is not functional:** you must select the appropriate video format such as 1080i or 720p.
- [Ref.#IPVU-1289] **Monitor Out Audio is fixed to 2 channels:** The audio of the Monitor Outputs are fixed to 2 channels: Left and Right.



Grass Valley Technical Support

For technical assistance, contact our international support center, at 1-800-547-8949 (US and Canada) or +1-530-478-4148.

To obtain a local phone number for the support center nearest you, consult the Contact Us section of Grass Valley's website (www.grassvalley.com).

An online form for e-mail contact is also available from the website.

Corporate Head Office

Grass Valley
3499 Douglas-B.-Floreani
St-Laurent, Quebec H4S 2C6
Canada
Telephone: +1 514 333 1772
Fax: +1 514 333 9828
www.grassvalley.com