



Grass Valley
WE LOVE LIVE

KULA PRODUCTION SWITCHERS

Software Version 6.7 Release 1

Release Notes

2022-11-29

www.grassvalley.com

Patent Information

This product may be protected by one or more patents.

For further information, please visit: www.grassvalley.com/patents/

Copyright and Trademark Notice

Grass Valley®, GV® and the Grass Valley logo and/or any of the Grass Valley products listed in this document are trademarks or registered trademarks of GVBB Holdings SARL, Grass Valley USA, LLC, or one of its affiliates or subsidiaries. All other intellectual property rights are owned by GVBB Holdings SARL, Grass Valley USA, LLC, or one of its affiliates or subsidiaries. All third party intellectual property rights (including logos or icons) remain the property of their respective owners.

Copyright © 2022 GVBB Holdings SARL and Grass Valley USA, LLC. All rights reserved.

Specifications are subject to change without notice.

Terms and Conditions

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

Grass Valley hereby grants permission and license to owners of Kula 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).

Title Kula - Release Notes, Version 6.7 Release 1

Revision 2022-11-29, 14:10

toc

Table of Contents

Kula Release Notes	5
Overview.....	5
Applicability.....	5
New Features, Enhancements, and Bugs Fixed.....	5
Kula 6.7 Release 1	5
Kula 6.6 Release 3	6
Kula 6.6 Release 2	7
Kula 6.6 Release 1	7
Kula 6.5 Release 4	8
Kula 6.5 Release 3	9
Kula 6.5 Release 2	9
Kula 6.5 Release 1	10
Known Issues and Limitations.....	11
Contact Us	12

Kula Release Notes

The *Kula Release Notes* includes lists of new features and enhancements, bug fixes, as well as known issues and limitations associated with the latest version of the Kula software.

Overview

Kula Software Version 6.7 Release 1 is a major release that adds many new features to Kula. This release also includes bug fixes that were resolved to improve the product.

Applicability

Kula Software Version 6.7 Release 1 applies to the following products:

- Kula
- Kula-IP
- Kula-12G
- Kula-AV

New Features, Enhancements, and Bugs Fixed

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

Kula 6.7 Release 1

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 5
- [Bugs Fixed](#), on page 6

New Features and Enhancements

- ★ Kula Kombine now has an IP source editor app available in KMP.
- ★ Multiviewer UMD text will now show source selection when a Tile is displaying an ME output. This can be disabled on each individual Tile in the Multiviewer Tile menu (menu 8693).
- ★ Panel Crosspoint displays now auto-size and intelligently wrap text. This can be disabled by going to Panel Config menu 8895 and turning on 'Classic xpt Mnemonics.
- ★ KMP Clip Preview Player now supports .SWS files and Sub-Clips.
- ★ KMP K-Watch can now upload media files directly to Switcher Store RAM (Sub-Clips not supported).

- ★ Shadow Mainframe feature now has the option to exclude Media Store files from the file sync.
- ★ Resource Link, Substitution Tables can now incorporate a cut delay.
- ★ Substitution table copy/paste function added along with the ability to change the "Crosspoint Link" settings for large blocks of Crosspoints.
- ★ Added RollCall control (on the Interop menu) to disable ST2110-31 audio support.
Note: ST2110-31 should be disabled when using the IPRA router controller.



Note

When upgrading the four IP modules, it is recommended that the "Boot Fail Recovery" mode is turned off (Menu 8731). It should be re-enabled once the upgrade is completed.

Bugs Fixed

- ★ Panels with a large number of attached Macros could fail to show all Bitmaps.
- ★ Switcher States could not be set as Default startup state.
- ★ Aux 1 Bus could load Button Map files when entering edit mode.
- ★ Luna Panel failed to control Aux Outputs.
- ★ When changing Layouts on a UFB panel, it was possible inadvertently to load a Snapshot attached to the same Layout button.
- ★ Using Resave on a UFB Numberpad would lose the Effects Dissolve setting.
- ★ Double tapping the "Eng Config" button on the GUI would fail to return to entry menu (where enabled).
- ★ Kula menus could fail to set some IP module configuration settings.
- ★ Sometimes when entering Button Map Edit, the table could show xpt1 everywhere.
- ★ IP fins could fail to register in NMOS due to failure to read serial correctly.
- ★ KMP - virtual faders could sometimes appear blank.
- ★ Loading a new Button Map file onto a bus row which is in Shift-Lock will now unlock the Shift setting.
- ★ Fade-to-Black GUI button not flashing when FTB is active.
- ★ Store file "Save frame to Icon" function exceedingly slow to operate.

Kula 6.6 Release 3

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 6
- [Bugs Fixed](#), on page 7

New Features and Enhancements

- Kula IP: Connections now pass HDR info through NMOS SDP.
- Kula IP: Software updated to version 17.3a.

Bugs Fixed

- USB sockets on mainframe could fail.
- IP Inputs failed to indicate timing when on a loopback source.

Kula 6.6 Release 2

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 7
- [Bugs Fixed](#), on page 7

New Features and Enhancements

- When no reference is present, persistent messages are now sent to any connected panels.

Bugs Fixed

- Improved status reporting for different variants of PSU.

Kula 6.6 Release 1

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 7
- [Bugs Fixed](#), on page 8

New Features and Enhancements

- Support added for the new GV Kombine allowing multiple Kula IP units to be combined together to create a single Switcher with up to 16 ME banks in UHD, HD or SD.
- MSP updated to version 4.1 incorporating an expanded new-look K-Manager Pro which now includes a Clip player giving a function to trim clips and forward them to a K-Watch service for conversion and direct uploading to a Mainframe (where licensed).
- MSP 4.1 also includes a new HDR LUT feature which translates .cube LUT files and uploads them to a Kula mainframe for HDR / SDR conversions using pre-defined LUTs (where licensed).
- Panel Operating System update.
- On User Function Pads set to the ME or DVE NumPad page type, double hitting the Page Delegate button will bring up an Enables & Effects Dissolve popup on the external GUI to allow the user to set Enables & Effects Dissolves when saving DMEMs or DVE Mems on the NumPad single-push save feature.
- MAV fader modules can now be used on a Panel in AMPP control mode.
- MSP now creates unique Panel name based on PC and User names. It is still possible to rename an MSP panel (logged off menu 02) and MSP panels which have already been given a name will retain their names.
- MSP now supports multiple IP addresses on network interfaces.

- Enabled access to Ross Talk protocol.
- Added 256 more virtual GPIs to connect macros to and 256 more virtual GPOs to trigger them from. Giving a total of 512 GPIs and GPOs.
- K-Manager Pro, Watch now converts ProRes444 HDR clips to Kahuna\Kula Store format.
- If a Panel has previously been running Kula or Masterpiece software, a new system now added on logged-off Menu 08 allows switching between different products or the previous version of software.
Note: if a previous version does not have this feature you will not be able to change back without performing a panel upgrade.
- Double clicking a value on a GUI Menu will bring up the Pop-UP to change the setting.
- On Kula IP the RTP payload settings can now be set in RollCall.
- Interoperability added for Lawo VSM NMOS.

Bugs Fixed

- KMP: When converting content with a key channel, any chroma data is now removed from the key channel.
- KMP: Creating a clip from a sequence of stills could fail to embed associated audio file.
- Incorrect enables indication on Load/Save pad.
- Several IP settings not saved in Eng Config.
- Some IP settings not adjustable from Kula Menus.
- Macro Edit page was unable to display or edit Macros containing User Defined Protocol commands. For new Macros created using the Macro Creator tool, this is now possible. Older Macros, or those recorded using the Peripheral Menu pages do not have this fix.
- On MSP Soft Panel, in some video standards, or if the time was below 1sec, the transition durations could occasionally be displayed incorrectly.
- On Kula IP inputs 21 and 22 could erroneously show video status as "Unknown".
- Crosspoint buttons showed unshifted source colours when latched in Shift-Mode.
- Macro Creator tool could fail to show the correct files for the selected project when inserting file load actions.
- When Store is set to Latching Grab, the grab could stop with 50% RAM still available in some video standards.

Kula 6.5 Release 4

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 8
- [Bugs Fixed](#), on page 9

New Features and Enhancements

- Panel Operating System update.
- Added Support for MBE (Base Card) Mod level 3.

Note: If the mainframe MBE has Mod Level 3 then do not downgrade to below this software version.

Bugs Fixed

- CPU temperature monitoring could occasionally show the actual value plus an additional 5°C causing the fans to run faster than usual.

Kula 6.5 Release 3

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 9
- [Bugs Fixed](#), on page 9

New Features and Enhancements

- Support added for ELO 1502L-2UWC-1-G Touch Screen
- Kula output names can now be read by NMOS devices.
- If a Panel has previously been running Kahuna or Masterpiece software, a new system now added on logged-off Menu 08 allows switching between different products or the previous version of Kula software. (Note: if a previous version does not have this feature you will not be able to change back.)
- Visca control menus can now set the Video Standard of GRASS VALLEY PTZ 35X HD cameras.
- MAV fader modules can now be used on a Panel in AMPP control mode.

Bugs Fixed

- In certain circumstances users could experience a problem logging in due to spurious "Upgrade in Progress" message.
- Macro Cache not working and deleting a Macro and then re-creating a new file would lose the attachment on a panel.
- On a MAV panel if network connection needed to failover to a redundant ethernet connection, the panel could lose the Gateway.
- Unable to change Button Color settings from external GUI on a MAV panel.

Kula 6.5 Release 2

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 9
- [Bugs Fixed](#), on page 10

New Features and Enhancements

- Multiple audio channel support added to Kula IP allowing spigots to be configured in either 1x16 channels, 2x8 channels or 4x4 channels. Spigots in 2 or 4 flow mode can

subscribe to more than one audio sender. Input and Output channels can be shuffled in any order on each spigot.

- Automatic failover when NMOS enabled on primary and secondary media ports.
- MSP now creates unique Panel name based on PC and User names. It is still possible to rename an MSP panel (logged off menu 02) and MSP panels which have already been given a name will retain their names.
- Individual memory recall buttons added to Visca Camera Control Menu.
- Panel Joystick "MEM" buttons can now be copied and pasted onto panel buttons and they retain the current Joystick attachment when the paste is made. This allows you to copy several different Joystick attachments onto different panel buttons. These attachments can be turned on and off so that when unlit, the GUI selection is attached to the Joystick.

Bugs Fixed

- ST-352 payload not forwarded on IP sources.
- IP Aux panels could fail to load Macro and Clone attachments when logging in.
- Some IP Aux panels failed to upgrade with a Panel upgrade.

Kula 6.5 Release 1

This release adds the following enhancement(s) and corrects the following issue(s) that are separated out as follows.

- [New Features and Enhancements](#), on page 10
- [Bugs Fixed](#), on page 10

New Features and Enhancements

- K-Manager Pro now supports Backup and Restore.
- The panel's Log Off button location can now be configured from menu 8731 so that it can be present in the Home menu (1) tree or only in the Defaults menu (80). This setting is stored locally within the panel and then applied to any mainframe the panel logs into.
- Improvements to Visca camera control menus makes it easier to control Multi Visca Camera setups, plus more control over the camera parameters.
- When controlling a Kula using a Maverik Panel, the panel GUI now incorporates the Func Pad feature.
- Default Gateway was added to Panels.
- MSP now allows Macro and Clone attachment to crosspoint busses on the virtual panel.

Bugs Fixed

- Resolved an issue that could cause the RTC battery to drain faster than expected with the updated version of the RTC chip.
- Buttons Maps cleared and User Function attachments lost when making MAV layout changes.
- Panel Link Latency control not now saved in Panel Config.

- Button Info functionality not working on MSP.
- Clones & Macro attachments on IP Aux Panels sometimes fail to reload.

Known Issues and Limitations

The following is a list of known issues and limitations associated with Kula 6.7 Release 1.

- None.



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, please 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