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# **KULA PRODUCTION SWITCHERS**

**Software Version 6.6 Release 3**

**Release Notes**

2022-10-11

[www.grassvalley.com](http://www.grassvalley.com)

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# 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 6.6 Release 3 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 6.6 Release 3 applies to the following products:

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

## New Features, Enhancements, and Bugs Fixed

### Kula 6.6 Release 3

#### 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

#### 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

### New Features and Enhancements

- Support added for the new GV Kombe 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 DMEs 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 GOPs.
- 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

### 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

### 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

### 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

### 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 6.6 Release 3.

- 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](http://www.grassvalley.com)).

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

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