

Release Note

Product Name: VP-796, VP-797, VP-798

Current Version:

Ver.Type	Ver No.	Date
Firmware	Build 4498	July 2018
Software	–	–
Web	–	–
Hardware	–	–

RN Date: July 2018

Reference: 14241

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VP-796	Any	Yes	N/A
VP-796A	Any	Yes	N/A
VP-796ASV	Any	Yes	N/A
VP-797A	Any	Yes	N/A
VP-797ASV	Any	Yes	N/A
VP-798ASV	Any	Yes	N/A

Technical Notes:

- Not all features are supported by all models. Refer to the User Manual for information about a specific model.
- Added new API features.
- Enhanced unit reliability and performance.
- Added various modifications.
- Fixed various bugs.

Codependency with Other Products and Software:

- There is no codependency with other products or software.



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Current Version:

Ver.Type	Ver No.	Date
Firmware	Build 4498	July 2018
Software	–	–
Web	–	–
Hardware	–	–

RN Date: July 2018

Reference: 14241

The following changes were made in this version:

New Features:

	New Feature Description
	Added PIP feature.

Modifications:

QC ID	Modification Description
	Improved the latency performance in I/O Lock mode.
	Improved the switching speed between different input groups.
	API: <ul style="list-style-type: none"> Added checks to prevent the creation of invalid Width and Height values when generating custom resolutions.. Added HDCP ON/OFF command.
	Changed the default menu time-out from 30secs to infinite.
	Enabled the Test Pattern mode when the output resolution is 1366x768.
	Changed the default EDID format for the Display Port input to 1080p/60.
	Introduced a better recovery method when the Display Port input signal is lost and reconnected
	Display Port: <ul style="list-style-type: none"> Improved performance with 4K inputs. Improved source switching.
	Removed the brief green screen that was visible when switching from (YCbCr) HDMI inputs to (RGB) DVI input or when VGA input is disconnected.
	Added the input source identification to the header information of the webpage GUI.
	Improved motion smoothness for the moving test pattern when resolution is 2560x1440 or above.

Release Note

QC ID	Modification Description
	Reduced Ethernet network speed to 100 Mb/s half-duplex to improve network connection reliability.
	Changed max. audio input level from 6 to 3, and max. amp gain from 38 to 30.
	Frozen image remains on the display, even if the source is removed

Bugs Fixed:

QC ID	Fixed Bug Description
	Fixed an audio issue that occurred when switching between different input groups. The issue prevented the audio to follow the selected video source.
	Fixed an issue that disabled the I/O lock mode when a 4k60 4:2:0 source was selected.
	Fixed an issue with Apple MAC sources and the DisplayPort input.
	Fixed issue when switching from 60Hz to 30Hz input formats on Display Port input.
	Fixed an issue with deep color support in the EDID tables.
	Fixed an issue that caused HDMI-1 & HDMI-2 inputs to freeze with certain video sources.
	Fixed an issue that caused the flash corruption at start-up.
	Fixed a motion stutter issue when switching between SDI1 and SDI2.
	Fixed an issue that caused an image freeze when switching from interlace mode to moving test pattern.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
	None listed.

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
	None listed.

Preceding Version: F – Build 4372



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Release Note History

Product Name: VP-796, VP-797, VP-798

Current Version:

Ver.Type	Ver No.	Date
Firmware	Build 4372	December 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: January 2018

Reference: 13301

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VP-796	Any	Yes	N/A
VP-796A	Any	Yes	N/A
VP-796ASV	Any	Yes	N/A
VP-797A	Any	Yes	N/A
VP-797ASV	Any	Yes	N/A
VP-798ASV	Any	Yes	N/A

Technical Notes:

- Not all features are supported by all models. Refer to the User Manual for information about a specific model.
- Added new API features.
- Enhanced unit reliability and performance.
- Added various modifications.
- Fixed various bugs.

Codependency with Other Products and Software:

- There is no codependency with other products or software.



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Release Note History

Product Name: VP-796, VP-797, VP-798

Current Version:

Ver.Type	Ver No.	Date
Firmware	Build 4372	December 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: January 2018

Reference: 13301

The following changes were made in this version:

New Features:

	New Feature Description
	Added API commands to enable the unit to report the input resolution, frame rate and genlock mode.
	Added System Network commands to the API interface. For more details refer to “VP-796(A)(ASV) / VP-797A(ASV) / VP-798ASV API Protocol”, available at: k.kramerav.com/downloads/manuals/vp796(a)(asv)_vp797a(asv)_vp798asv_api_protocol_1.14.pdf

Modifications:

QC ID	Modification Description
	Improved reliability of a continuous output sync.
	Enhanced scaler performance to improve system robustness and easy recovery from error conditions.
	Improved input switching speed under Genlock conditions.
	Enhanced Hot Plug management.
	Added limits to the moving cross test pattern.
	Added internal checks to improve input switching reliability and robustness.
	Changed the names of the menu entries for Black level and Frame rates to Brightness and FR Enable respectively.

Bugs Fixed:

QC ID	Fixed Bug Description
	Fixed a genlock issue that prevented the unit from re-locking to the genlock signal if the signal was changed or lost.
	Fixed an issue when switching from interlaced source to test pattern or logo.



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Release Note History

QC ID	Fixed Bug Description
	Fixed an issue related to the Novastar MCTRL660 LED Wall Controller.
	Fixed: The front panel display now shows the correct frame rate.
	Fixed an issue that caused SDI output to scroll under certain genlock conditions.
	Corrected an issue with custom modes (resolutions) of less than 1080 lines.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
	None listed.

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
	None listed.

Preceding Version: F– 4112

Release Note History

Product Name: VP-796, VP-797, VP-798

Current Version:

Ver.Type	Ver No.	Date
Firmware	4112	March 2018
Software	–	–
Web	–	–
Hardware	–	–

RN Date: March 2018

Reference: 12348

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VP-796	Any	Yes	N/A
VP-796A	Any	Yes	N/A
VP-796ASV	Any	Yes	N/A
VP-797A	Any	Yes	N/A
VP-797ASV	Any	Yes	N/A
VP-798ASV	Any	Yes	N/A

Technical Notes:

- Not all features are supported by all models. Refer to the User Manual for information about a specific model.
- Various bugs were fixed.

Codependency with Other Products and Software:

- There is no codependency with other products or software.

Release Note History

Product Name: VP-796, VP-797, VP-798

Current Version:

Ver.Type	Ver No.	Date
Firmware	4112	March 2018
Software	–	–
Web	–	–
Hardware	–	–

RN Date: March 2018

Reference: 12348

The following changes were made in this version:

New Features:

New Feature Description
Added API commands to support Freeze and Blank functions

Modifications:

Modification Description
Modified unit behavior so that an HDMI signal received from an HDMI port in the YCbCr color space is treated in the limited bit range
An HDMI signal received from an HDMI port in the RGB color space is treated in the full bit range. A DVI signal received from a HDMI or DVI port is treated in the full range
Enabled Splicing Zoom mode automatically when changing the splicing width
Improved I/O lock and screen synchronization in splicing set-ups
Changed scaler filter settings to show a sharper image

Bugs Fixed:

Fixed Bug Description
Corrected an issue that disabled the moving test pattern

Release Note History

Bugs to Fix in Future Versions:

Deferred Bug Description
None listed

Known Limitations (including compatibility limitations):

Limitation Description
None listed

Preceding Version: 3984

Release Note History

Product Name: VP-796/A

Preceding Version:

Ver.Type	Ver No.	Date
Firmware	3984	January 2017
Software	—	—
Web	—	—
Hardware	—	—

RN Date: January 2017

Reference: 11807

The following changes were made in this version:

New Features:

Description
Reactivated support for analog audio
Activated Vertical alignment (synchronization). This feature is applicable in installations with multiple units that are vertically configured
Added 3200k color temperature setting

Modifications:

Description
Reorganized the menu structure to simplify operation and improve usability
Modified scaler to remove tartan effect on certain low level greyscale
Changed the default Input and Output gamma to 1.0 from 2.2. To use new default values, perform a factory reset after the new software is installed. Note that all other system settings are reset after a factory reset
Improved switching speed to test pattern when genlock is set to I/O lock
Modified the Custom Mode naming so it displays the programmed resolution and frame rate type (HOR x VER p/i)

Bugs Fixed:

Description
Fixed an issue related to connecting with certain external matrix switchers
Corrected an issue that caused a grey bar to be briefly visible during the transitions through freeze, observed sporadically when the frame rates were 24Hz
Fixed an issue with the border pixels in the Autozoom mode



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Bugs to be Fixed in Future Version:

Description
None listed

Known Limitations (including compatibility limitations):

Description
None listed

Preceding Version: F - 3744

Release Note History

Product Name: VP-796/A

Preceding Version:

Ver.Type	Ver No.	Date
Firmware	3744	November 2016
Software	–	–
Web	–	–
Hardware	–	–

RN Date: November 2016

Reference: 11449

The following changes were made in this version:

New Features:

Description
Implemented a feature allowing the audio to be delayed relative to video. The delay can be varied from -100ms to +500ms
Implemented level B support for 3G-SDI inputs. Added support for BlackMagic protocol
Added support for 2048x1080p for the SDI inputs
Added 96kHz PCM audio support
Added support for LED walls that are composed of different size sections. Each unit is setup independently with the new “LED screen size” menu
Implemented custom output resolutions. Users can create up-to four custom resolutions. These resolutions become available for selection from the EDID Input Format list for each input. This feature is only available on the LEDView and HQUltra models
Added home button to all web pages allowing immediate return to the main menu
Added automatic update to the video wall control settings in the web page interface
Added moving test pattern
Implemented multiple socket TCP/IP control



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Modifications:

Description
Removed the audible click when audio parameters were adjusted
Changed the background black of the PLUGE test pattern from 7.5 IRE to 0 IRE
Changed unit behaviour so when the output range is set to 'limited', the PLUGE and SMPTE test patterns will not be compressed
Modified unit defaults so typical common CEA resolutions are treated as limited range when source doesn't provide information on the signal quantization range. All other modes are set as full range
Improved locking times for the Genlock and Source lock modes
Improved synchronization between different units when operating in the video wall mode
Modified SDI audio output performance to be compatible with Gennum receivers
Enhanced performance by improving robustness for non-ideal operating conditions. These conditions may occur during mode switching, loss of input signals, or caused by noisy signals
Improved measurement and reporting accuracy of the input frame rate
Enabled the standby functionality via the TCP/IP interface
Improved time response when detecting a new input
Restored the front panel keypress shortcut to "reset output to 720p"
Modified Factory reset function to erase all stored custom test patterns and logo images
Limited the size of custom test patterns and logo to 3840x2160
Improved functionality of the zoom feature in YCbCr 4:2:0 modes
In models that don't support HDBT, removed from the menu references to HDBT analog audio

Release Note History

Bugs Fixed:

Description
Fixed an issue related to detecting color space in DVI inputs
Corrected an issue related to when processing HDMI 4:2:2 input signals
Fixed an issue related with bezel width adjustments
Removed the grey line at the bottom of the image of the SDI output at 480i
Corrected an occasional issue with the color space when SDI input signal is lost and recovered
Corrected an occasional audio loss when switching between SDI1 and SDI2 inputs
Corrected issues with audio muting associated with HDMI1/DVI and HDMI2 input sources
Corrected an issue with audio when Genlock is enabled
Corrected an issue when switching to VGA when RGB/YPbPr supports separate syncs

Bugs to be Fixed in Future Version:

Description
None listed

Known Limitations (including compatibility limitations):

Description
None listed

Preceding Version: F - 3260

Release Note History

Product Name: VP-796/A

Preceding Version:

Ver.Type	Ver No.	Date
Firmware	3260	29 June 2016
Software	-	-
Web	-	-
Hardware	4.3 or later	-

RN Date: July 2016

Reference: 9177

This is a release note for a new product. For a list of new product features see the Kramer Website: <http://www.kramerav.com>

Bugs to be Fixed in Future Version:

Description
Not yet released: Audio Delay
Not yet released: Moving Test Pattern

Known Limitations (including compatibility limitations):

Description
HDMI audio path only supports LPCM audio, not Dolby / DTS encoded audio. This limitation is correctly defined in the EDIDs so does not cause operational issues.
DisplayPort audio path only supports 2-channel stereo LPCM.

Preceding Version: N/A