

Release Notes

Product Name: Kramer Network

Current Version:

Type	Number	Date
Firmware	–	–
Software	v2.7.0.62390	December 2021
Web	–	–
Hardware	–	–

RN Date: December 28, 2021

Reference: 18048

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
Kramer Network	Any	Yes	Yes

Summary:

- New version release
- Added new features
- Bug fix

Codedependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table.



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	Firmware	–	–
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New Features:

Jira Ticket ID	New Feature Description
WEB-1104	Kramer Network (KN) Licensing policies implementation.
WEB-1103	KN Admin - added ability to manually add a device.
WEB-1102	KN Admin – added access to Device list and properties.
WEB-1100	FW Upgrade page changes – removed auto selection for potential devices to upgrade.
WEB-1096	KN Admin - Added “scan” to the permissions list.
WEB-928	Added support for devices : VSM4x4, VS-88H2, DSP-62-AEC/UC, VS-411XS,VS-211XS.
WEB-918	KDS6 – Multi-Deployment Implement in BE.
WEB-1116	Multilingual support for V2.7.0 (added German translation as a new feature).

Bugs Fixed:

Jira Ticket ID	Fixed Bug Description
WEB-1112	Data Base corruption in Kramer Network Scan fixed

Bugs to Fix in Future Versions:

Jira Ticket ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.
17347	Ports that were supposed to be closed to prevent penetration are still open.
18609	KDS-5 devices could not be controlled via Kramer Network matrix view. While trying to activate a stream of 1 to 1 (encoder -> decoder) or a video wall, a connection error occurs - "Cannot connect [KDS-5 encoder name] to [KDS-5 decoder name]: "problem getting streaming params".



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Jira Ticket ID	Deferred Bug Description
	Reason: In the Decoder settings, the mac address of the Encoder is inserted instead of its IP address. To be fixed in the next release. Workaround: Enter the encoder IP address in that field.
18618	The Settings tab in the Device Configuration page for VS-1616, VS-3232, and VS-6464 matrixes is not accessible.

Known Limitations (including compatibility limitations):

Jira Ticket ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations, browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.
	When https is activated on Kramer Network, the addresses https://localhost or https://127.0.0.1 (used from the server) may stop working – due to security settings in the domain, definition of the https certificate or other factors beyond our control. Workaround: Access Kramer Network from the server using the DNS name or the 'real' IP address of the server as specified in the certificate.
18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.
19020	Some degradation may occur in the FW upgrade process when multiple KDS-6 devices are selected for upgrade.

Preceding Version: – 2.6.1.60948



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.1.60948	July 2021
Web	–	–
Hardware	–	–

RN Date: July 22, 2021

Reference: 17677

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Fixed a bug.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .

Release Notes History

Product Name: Kramer Network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.1.60948	July 2021
Web	–	–
Hardware	–	–

RN Date: July 22, 2021

Reference: 17677

Bugs Fixed:

QC ID	Fixed Bug Description
	Devices in K-Control Reference Spaces now appear in K-Network.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.
17347	Ports that were supposed to be closed to prevent penetration are still open.
18609	KDS-5 devices could not be controlled via Kramer Network matrix view. While trying to activate a stream of 1 to 1 (encoder -> decoder) or a video wall, a connection error occurs - "Cannot connect [KDS-5 encoder name] to [KDS-5 decoder name]: "problem getting streaming params". Reason: In the Decoder settings, the mac address of the Encoder is inserted instead of its IP address. To be fixed in the next release. Workaround: Enter the encoder IP address in that field.
18618	The Settings tab in the Device Configuration page for VS-1616, VS-3232 and VS-6464 matrixes is not accessible.

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.



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10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations, browser refreshing needed for viewing Room Controller.
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13012	Supports devices whose volume can be changed by full units.
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18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.
19020	Some degradation may occur in the FW upgrade process when multiple KDS-6 devices are selected for upgrade.

Preceding Version: – Software: 2.6.1.60388



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.1.60388	May 2021
Web	–	–
Hardware	–	–

RN Date: May 11, 2021

Reference: 17479

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Fixed a bug.
- Added feature(s).

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .



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Release Notes History

Product Name: Kramer Network Software

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.1.60388	May 2021
Web	–	–
Hardware	–	–

RN Date: May 11, 2021

Reference: 17479

Modifications:

QC ID	Modification Description
	New descriptors added for: KIT-401T and KIT-401TE.
	Updated descriptors for: VS-84H2, VS-48H2, VS-66H2, VS-88H2, VS-88H2A

Bugs Fixed:

QC ID	Fixed Bug Description
	FW Upgrade fix for VS-84H2, VS-48H2, VS-66H2, VS-88H2, VS-88H2A.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.
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18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.
19020	Some degradation may occur in the FW upgrade process when multiple KDS-6 devices are selected for upgrade.

Preceding Version: – 2.6.59116



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.59116	December 2020
Web	–	–
Hardware	–	–

RN Date: December 27, 2020

Reference: 17128

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Enhancements.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .

Release Notes History

Product Name: Kramer Network Software

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.6.59116	December 2020
Web	–	–
Hardware	–	–

RN Date: December 27, 2020

Reference: 17128

Modifications:

QC ID	Modification Description
	KDS-6 FW upgrade enhancements.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.
17347	Ports that were supposed to be closed to prevent penetration are still open.
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18618	The Settings tab in the Device Configuration page for VS-1616, VS-3232 and VS-6464 matrixes is not accessible.

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
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18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.
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Preceding Version: – SW: 2.5.0.58530



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.5.0.58530	November 2020
Web	–	–
Hardware	–	–

RN Date: November 9, 2020

Reference: 16942

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Security improvement.
- Device has been tested with the latest versions of each of the following market popular browsers:

Windows	IE / Edge
	Firefox
	Chrome
Mac	Safari

Codependency with Other Products and Software:

- There is no codependency with other products or software.



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Release Notes History

Product Name: Kramer Network Software

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.5.0.58530	November 2020
Web	–	–
Hardware	–	–

RN Date: November 9, 2020

Reference: 16942

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
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18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.

Preceding Version: – S: 2.5



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.5	October 2020
Web	–	–
Hardware	–	–

RN Date: October 1, 2020

Reference: 16834

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Fixed several bugs.
- Added new features.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .

Release Notes History

Product Name: Kramer Network Software

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.5	October 2020
Web	–	–
Hardware	–	–

RN Date: October 1, 2020

Reference: 16834

New Features:

	New Feature Description
	New Dashboard.
	Integration with Kramer Control – enabling the following features: Offline publishing - Enables downloading cloud-based Kramer Control Brain configuration files and uploading them to the Brains in a local, isolated network. Adding Control Devices. Brain UI – Fully controllable from the Kramer Network Room View

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.
17347	Ports that were supposed to be closed to prevent penetration are still open.
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QC ID	Limitation Description
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18325	It is advisable to run the installation as Administrator.
18425	Offline Publishing creates a date stamp file in Kramer Network that is not the same as the date stamp in Kramer Control.

Preceding Version: – S: V2.4.0.57241



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	V2.4.0.57241	July 2020
Web	–	–
Hardware	–	–

RN Date: July 13, 2020

Reference: 16548

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Improvements in license activation, Multi-deployment, preview, and security.
- Minor bug fixes.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .



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Release Notes History

Product Name: Kramer Network

Current Version:	Type	Number	Date
	Firmware	–	–
	Software	V2.4.0.57241	July 2020
	Web	–	–
	Hardware	–	–

RN Date: July 13, 2020

Reference: 16548

The following changes were made in this version:

Modifications:

QC ID	Modification Description
	Improved license activation process.
	Multi-Deployment Feature – added support for: AFM-20DSP AFM-20DSP-LE VS-88UT VS-84UT VS-44H2
	KDS-6 preview has been optimized.
	Security enhancements – Including support of OWASP Top 10 2019, external security auditing, penetration tests certification and support of SSL and HTTPS connections.

Bugs Fixed:

QC ID	Fixed Bug Description
	Minor bugs fixes.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of switch settings. It is highly recommended to separate the 10G network from the management network.



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Known Limitations (including compatibility limitations):

QC ID	Limitation Description
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12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: – SW: 2.3.0.55750



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.3.0.55750	December 2019
Web	–	–
Hardware	–	–

RN Date: December 15, 2019

Reference: 16102

Kramer Product Affected:

Product Name	Minimum SW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	2.1	NA	Yes

Technical Notes:

- Added several new features.



Kramer Network can be upgraded only if you currently hold a valid license.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .



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Release Notes History

Product Name: Kramer Network

Current Version:	Type	Number	Date
	Firmware	–	–
	Software	2.3.0.55750	December 2019
	Web	–	–
	Hardware	–	–

RN Date: December 15, 2019

Reference: 16102

The following changes were made in this version:

New Features:

	New Feature Description
	Improved scan/discovery options: Triggered scan. Scheduled scan. Discovering VIA, KDS5,6,8 devices. Discovering a Brain devices.
	Added secured KDS-6 support.
	KDS-8 – Added video wall support.
	Identify Encoder/Decoder Status – for devices such as KDS-8 that can be configured to be either an encoder or decoder.
	New Languages – Russian, German, and Spanish .
	Two types of installation are now supported: 1. Command line. 2. Kramer Network UI Includes 2 options: Automatic (one click installation) and Costume installation.
	Added a default “unassigned” group, to be able to use devices which are not associated to the room on the Matrix management page.
	Background tasks indicator for FW upgrade, Scan, etc.
	Ability to assign streaming inputs (encoders) to the room.
	Decoder Overlay editor.
	Added room status as a Maestro trigger.

Modifications:

QC ID	Modification Description
	Improved UI/UX throughout the application.
	Modified the licensing model, definitions and prices.



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QC ID	Modification Description
	Improved Dante communication and control.
	Improved FW upgrade for KDS-8.

Bugs Fixed:

QC ID	Fixed Bug Description
	Fixed some KDS-6 communication issues.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
15768	A 10G network switch may cause issues when connected to KDS-8 because of improper switch settings. For suggested settings, contact Kramer technical support.

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations, browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: – 2.2.0.233



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Web: www.kramerav.com

Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.2.0.233	May 2019
Web	–	–
Hardware	–	–

RN Date: May 16, 2019

Reference: 15457

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- Added support for KDS-8 transceivers, KDS-EN5, and KDS-DEC5 .
- When using Kramer Network version 2.2 with KDS-8 devices, you may not use other models of KDS devices (KDS-EN/DEC5, KDS-EN/DEC6) in the same environment.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .



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Release Notes History

Product Name: Kramer Network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.2.0.233	May 2019
Web	–	–
Hardware	–	–

RN Date: May 16, 2019

Reference: 15457

The following changes were made in this version:

New Features:

	New Feature Description
	Support for KDS-8 transceiver, KDS-EN5, and KDS-DEC5 for the following features: Virtual Matrix Firmware Upgrade Device Network Settings Video Wall Automatic Device Recognition

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
	None listed

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.



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Release Notes History

QC ID	Limitation Description
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: – SW 2.1



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.1	January 2019
Web	–	–
Hardware	–	–

RN Date: January 3, 2019

Reference: 14939.1

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	Yes

Technical Notes:

- New Features.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .

Release Notes History

Product Name: Kramer Network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.1	January 2019
Web	–	–
Hardware	–	–

RN Date: January 3, 2019

Reference: 14939.1

The following changes were made in this version:

New Features:

	New Feature Description
	KDS-6 Video Preview – Displays a live preview of content being streamed via KDS-EN6 and KDS-DEC6.
	Device Scan Across Subnets – Scan and discover devices across different subnets.
	Manually Add Devices – Scan and find devices that do not support Protocol 3000 and manually define parameters for these devices.
	EDID Management – Intuitive drag-and-drop interface to define the EDID for inputs and outputs.
	KDS-4 Recording Control – Control the KDS-4 Recording feature from Kramer Network. KDS-4 Recording feature supported from KDS-4 version 2.0.49689.
	Modular Matrix (EM) Remote Configuration – Configure all settings for modular matrix chassis and I/O cards. Note: To ensure full functionality of this feature, make sure that your matrix and I/O cards are updated with the latest firmware. EM matrix chassis are supported from FW version 6.1.0009.
	Multi-Device Deployment – Apply the same configuration to multiple identical devices simultaneously. VS1616DN-EM is the first device to support this feature, when each VS1616DN-EM unit is configured identically.
	Video Wall ID – Press the Identify button to display the position number of each screen as an overlay on that screen.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
	None listed



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Release Notes History

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: SW – 2.0.2.202



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.0.2.202	May 2018
Web	–	–
Hardware	–	–

RN Date: May 2018

Reference: 14047

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	N/A	N/A

Technical Notes:

- A new feature was added.
- Fixed bug.

Codedependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .

Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	2.0.2.202	May 2018
Web	–	–
Hardware	–	–

RN Date: May 2018

Reference: 14047

The following changes were made in this version:

New Features:

	New Feature Description
	Added video wall configuration and management for KDS-6.
	New languages added – German and Korean.
	Enhanced SMTP settings.

Bugs Fixed:

QC ID	Fixed Bug Description
10173	Dante devices status requires rescan.



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Release Notes History

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
13736	Some languages that appear in the language interface combo-box are not fully translated.

Known Limitations:

QC ID	Limitation
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.
9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: S – 2.0



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware		–
Software	2.0	February 2018
Web	–	–
Hardware	–	–

RN Date: February 2018

Reference: 13799

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	N/A	N/A	N/A

Technical Notes:

- Several new features and upgrades.
- All new features are detailed in the updated User Manual.

Codependency with Other Products and Software:

Product Name	Comments
	See the updated Supported Devices and Functionality table on page 37 .



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware		–
Software	2.0	February 2018
Web	–	–
Hardware	–	–

RN Date: February 2018

Reference: 13799

The following changes were made in this version:

New Features:

	New Feature Description
NF-001	Refreshed and simplified user Interface look and feel.
NF-002	Enhanced FW upgrade feature that includes support for streaming devices (KDS-4), modular matrixes , modular matrix cards and more.
NF-003	Powerful, multilayered Pro Av and AV over IP scenarios now supported.
NF-004	Multilingual support- Chinese, Korean, German and French.
NF-005	Added on-line help and tutorials.
NF-006	Room Automation – Support for devices with native Kramer Maestro functionality.
NF-007	Room Automation – Kramer Maestro for all devices and locations with no native Kramer Maestro functionality can be automated through Kramer Network using Maestro.
NF-008	Room Scheduling: Associate your locations to your organization's LDAP and manage and create meetings.
NF-009	LDAP (<i>Lightweight Directory Access Protocol</i>) authentication.
NF-010	Notification via E-mails and or SNMP traps.
NF-011	Powerful user customized scripts with support for email and SNMP traps.
NF-012	Enhanced user management (for example, changing user permission hierarchy).
NF-013	Added support for I/O Gateways and non-IP devices.
NF-014	Auto discovery for modular matrices.
NF-015	Enhanced Room View editing options.

Known Limitations:

QC ID	Limitation
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties.



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Release Notes History

9715	VP-16x18AK – volume does not work for output 17 and 18.
9768	In some situations, control log alert messages status value is missing.
9802	AFV and volume definitions are not saved in scenarios.
10137	Manually added device in the Pro Av matrix page, input volume incorrectly displayed.
10173	Dante devices status requires rescan.
10355	Some zoom options hide the long name of the Encoder/Decoder.
10369	In some situations browser refreshing needed for viewing Room Controller.
10396	Windows 2012 server does not save the license file.
12383	Room View: RC that has a slave of the same type - only the master is displayed.
12868	VP-558: OUT2 detected as OUT3 in K-Network.
13012	Supports devices whose volume can be changed by full units.
13054	After restarting the DSP all the preset settings are deleted.
13057	ALS restart required when changing Dante network card.

Preceding Version: S – 1.0.6.20



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Release Notes History

Supported Devices and Functionality

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
691	-	✓
692	-	✓
908	✓	✓
Default Dante Descriptor	-	-
DefaultP3KDescriptor	-	-
DGKatA-IN2-F16	-	✓
DGKatA-OUT2-F16	-	✓
DGKat-IN8-F64	-	✓
DGKat-OUT8-F64	-	✓
DIP-20	✓	✓
DIP-20M	✓	✓
DIP-22	✓	✓
DIP-30	✓	✓
DIP-30M	✓	✓
DIP-31	✓	✓
DIP-31M	✓	✓
FC-132ETH	-	✓
FC-21ETH	-	✓
FC-22ETH	-	✓
FC-24ETH	-	✓
FC-26	-	✓
FC-28	-	✓
FC-404Net	-	✓
FC-54	-	✓
FC-54P	-	✓
FC-54PW	-	✓
FC-6	-	✓
FC-6P	-	✓
FC-6PW	-	✓
FC-7	-	✓
FC-7P	-	✓
FC-7PW	-	✓
HDBT7-IN2-F16	-	✓
HDBT7-IN4-F32	-	✓



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Release Notes History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
HDBT7-OUT2-F16	-	✓
HDBT7-OUT4-F32	-	✓
DTAxr-IN2-F16	-	✓
DTAxr-IN4-F32	-	✓
DTAxr-OUT2-F16	-	✓
DTAxr-OUT4-F32	-	✓
HDBT-IN2-F16	-	✓
HDBT-IN4-F32	-	✓
HDBT-OUT2-F16	-	✓
HDBT-OUT4-F32	-	✓
KADS-1	-	-
KADS-100	-	✓
KB App	-	✓
KDS-8	✓	✓
KDS-DEC3	-	-
KDS-DEC4	-	✓
KDS-DEC5	✓	✓
KDS-EN3	-	-
KDS-EN4	-	✓
KDS-EN5	✓	✓
Main Control App	-	✓
NT-52P	-	✓
NT-52PW	-	✓
PL-50	-	✓
RB-6	-	✓
RC-2	-	-
RC-20TB	-	-
RC-21TB	-	-
RC-2C	-	-
RC-43R	-	-
RC-43SL	-	✓
RC-43T	-	-
RC-52A	-	-
RC-52N	-	-
RC-54DL	-	-
RC-5B2	-	-



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Release Notes History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
RC-5B4	-	-
RC-62	-	-
RC-63A	-	-
RC-63DLN	-	-
RC-712M	-	✓
RC-74DL	-	✓
RC-76M	-	✓
RC-76R	-	✓
RC-78R	-	✓
SDIA-IN4-F32	-	✓
SDI-IN4-F32	-	✓
SL-10	-	✓
SL-12	-	✓
SL-1N	-	✓
SL-240	-	-
SL-280	-	-
TP-590Rxr	-	✓
TP-590Txr	-	✓
UHDA-IN2-F16	-	✓
UHDA-IN4-F32	-	✓
UHDA-OUT2-F16	-	✓
UHDA-OUT4-F32	-	✓
UHD-IN2-F16	-	✓
UHD-IN4-F32	-	✓
UHD-OUT2-F16	-	✓
UHD-OUT4-F32	-	✓
VGAA-IN2-F16	-	✓
VGAA-IN4-F32	-	✓
VGAA-IN8-F64	-	✓
VGAA-OUT2-F16	-	✓
VGAA-OUT4-F32	-	✓
VGAA-OUT8-F64	-	✓
VGA-IN8-F64	-	✓
VGA-OUT8-F64	-	✓
VM-212DT	✓	✓
VM-214DT	✓	✓



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Release Notes History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
VP-16x18AK	✓	✓
VP-31KSI	✓	✓
VP-439	-	-
VP-440	✓	-
VP-444	✓	-
VP-445	✓	-
VP-4X1CS	-	✓
VP-4x4K	✓	✓
VP-4x8AK	✓	✓
VP-553	-	-
VP-553XL	-	-
VP-558	✓	-
VP-732	-	-
VP-734	-	-
VP-770	-	✓
VP-771	-	✓
VP-772	-	✓
VP-773	-	✓
VP-773A	-	✓
VP-774	-	✓
VP-774A	-	✓
VP-778	-	✓
VP-81K	✓	✓
VP-81KSI	✓	✓
VP-81SID	✓	✓
VP-81SIDN	✓	✓
VP-8x4AK	✓	-
VP-8x8AK	✓	-
VP-8x8TP	✓	-
VS-1616D	✓	-
VS-1616D_TEST CARD	-	✓
VS-1616DN	✓	-
VS-1616DN-EM	✓	✓
VS-311UHD	✓	-
VS-3232D	✓	-
VS-3232DN	✓	-



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Release Notes History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
VS-3232DN-EM	✓	✓
VS-411DT	✓	✓
VS-411UHD	✓	-
VS-41HDCP	-	-
VS-42HDCP	✓	-
VS-42HN	✓	-
VS-42UHD	✓	✓
VS-44DT	✓	-
VS-44FO	✓	✓
VS-44H	✓	-
VS-44HDCP	✓	✓
VS-44HN	✓	✓
VS-44UHD	✓	✓
VS-44UHDA	✓	✓
VS-48HDCPXL	✓	-
VS-48HN	✓	✓
VS-48UHD	✓	✓
VS-611DT	✓	✓
VS-622DT	✓	✓
VS-62D	✓	-
VS-62DT	✓	✓
VS-62H	✓	✓
VS-62HA	✓	✓
VS-6464D	✓	-
VS-6464DN	✓	-
VS-6464DN_TEST CARD_Linux	-	✓
VS-6464DN-EM	✓	✓
VS-66HDCP	✓	-
VS-66HDCPXL	✓	-
VS-66HN	✓	✓
VS-66UHD	✓	✓
VS-82HDXL	✓	✓
VS-84HN	✓	✓
VS-84UHD	✓	✓
VS-88DT	-	-



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Release Notes History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
VS-88FO	✓	✓
VS-88HDCPXL	✓	-
VS-88HDXL	✓	✓
VS-88HN	✓	-
VS-88UHD	✓	✓
VS-88UHDA	✓	✓
VS-88UT	✓	✓
VSM-4x4HFS	-	-
WP-20	✓	✓
WP-20E	✓	✓
WP-20M	✓	✓
VS-41H2	✓	✓



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	1.0.6.20	December 2021
Web	–	–
Hardware	–	–

RN Date: December 2021

Reference: 12311

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
kramer network	Any	Yes	N/A

Technical Notes:

- Various bugs were fixed.

Codependency with Other Products and Software:

Comments
See the Supported Devices and Functionality table below in Ref 12055



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Release Notes History

Product Name: kramer network

Current Version:

Type	Number	Date
Firmware	–	–
Software	1.0.6.20	December 2021
Web	–	–
Hardware	–	–

RN Date: December 2021

Reference: 12311

The following changes were made in this version:

Bugs Fixed:

QC ID	Fixed Bug Description
	VS-1616 card type information wasn't correct
	Dragging a Pro AV device with no output group defined was removed
	When deleting the output group/subgroup, the Pro AV assigned devices are "released"

Known Limitations:

QC ID	Limitation
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties
9427	When creating a Pro AV scenario, the device is missing from this scenario
9443	In the Firmware Upgrade page, "Select Version" column, when there is more than one version for certain device, it is not clear that this column is a drop down. Only after clicking on the field does it become a drop down
9715	VP-16x18AK – The volume doesn't work for output 17 and output 18
9724	Occasionally the KN server log does not respond
9749	Occasionally there is an incorrect status indication when switching a Dante input to 6 Dante outputs
9768	Occasional control log alert messages. The Status Value does NOT appear in the log
9802	AFV and volume definitions are not saved in scenarios
9811	Deleting the license file does not prompt the user to request a new license
10137	When manually adding a device in the Pro Av matrix page, input volume incorrectly shows when the device does not have this ability
10173	To see the correct status of Dante devices you must run a scan
10181	There is no validation for release version fields



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Release Notes History

10355	The long name of Encoder/Decoder is missing in a few zoom options
10369	While viewing Room Controller, the Web browser requires refreshing
10396	Windows 2012 server does not save the license file

Preceding Version: S – 1.0.6.18



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Release Notes History

Product Name: Kramer Network

Preceding Version:

Type	Number	Date
Firmware	–	–
Software	1.0.6.18	February 2017
Web	–	–
Hardware	–	–

RN Date: Mar 2017

Reference: 12055

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
Kramer Network	Any	Yes	N/A

Technical Notes:

- Support was added for video over IP for KDS streamers, audio virtual matrix for Dante, Pro AV matrices and others.
- New features are described in the updated User Manual.

Codependency with Other Products and Software:

- See the Supported Devices and Functionality list below.



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Release Notes History

Product Name: Kramer Network

Preceding Version:

Type	Number	Date
Firmware	–	–
Software	1.0.6	February 2017
Web	–	–
Hardware	–	–

RN Date: Mar 2017

Reference: 12055

The following changes were made in this version:

New Features:

Description
Added video over IP device support (KDS-EN4/KDS-DEC4)
Added video over IP device support (KDS-EN6/KDS-DEC6)
Support for Dante devices
Added Support for Pro AV matrix devices
Added Pro AV Master room controllers physical and virtual control panels for real-time control
Support for device firmware upgrade
Added report log for control, events, activity, users and device status

Product	Kramer Network Support	
	ProAV Matrix	FW Upgrade
691	-	✓
692	-	✓
908	✓	✓
DIP-20	✓	✓
DIP-20M	✓	✓
DIP-30	✓	✓
DIP-30M	✓	✓
DIP-31	✓	✓
DIP-31M	✓	✓
FC-132ETH	-	✓
FC-22ETH	-	✓
FC-24ETH	-	✓



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Release Notes History

Product	Kramer Network Support	
	ProAV Matrix	FW Upgrade
FC-26	-	✓
FC-28	-	✓
FC-404Net	-	-
FC-54	-	✓
FC-54P	-	✓
FC-54PW	-	✓
FC-6	-	✓
FC-6P	-	✓
FC-6PW	-	✓
FC-7	-	✓
FC-7P	-	✓
FC-7PW	-	✓
KADS-1	✓	-
KADS-100	✓	✓
KDS-DEC3	-	-
KDS-DEC4	-	-
KDS-EN3	-	-
KDS-EN4	-	-
NT-52P	-	✓
NT-52PW	-	✓
PL-50	-	✓
RB-6	-	✓
RC-2	-	-
RC-20TB	-	-
RC-21TB	-	-
RC-2C	-	-
RC-43R	-	-
RC-43SL	-	✓
RC-43T	-	-
RC-52A	-	-
RC-52N	-	-
RC-54DL	-	-
RC-5B2	-	-
RC-5B4	-	-
RC-62	-	-
RC-63A	-	-



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Release Notes History

Product	Kramer Network Support	
	ProAV Matrix	FW Upgrade
RC-63DLN	-	-
RC-712M	-	✓
RC-74DL	-	✓
RC-76M	-	✓
RC-76R	-	✓
RC-78R	-	✓
SL-10	-	✓
SL-12	-	✓
SL-1N	-	✓
TP-590Rxr	-	✓
TP-590Txr	-	✓
VM-212DT	✓	✓
VM-214DT	✓	✓
VP-16x18AK	✓	✓
VP-31KSI	✓	✓
VP-439	-	-
VP-440	-	-
VP-444	-	-
VP-445	-	-
VP-4X1CS	-	✓
VP-4x4K	✓	✓
VP-4x8AK	✓	✓
VP-553	-	-
VP-553XL	-	-
VP-558	✓	-
VP-732	-	-
VP-734	-	-
VP-770	-	✓
VP-771	-	✓
VP-772	-	✓
VP-773	-	✓
VP-773A	-	✓
VP-774	-	✓
VP-774A	-	✓
VP-778	-	✓
VP-81K	✓	✓



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Release Notes History

Product	Kramer Network Support	
	ProAV Matrix	FW Upgrade
VP-81KSI	✓	✓
VP-81SID	✓	✓
VP-81SIDN	✓	✓
VP-8x4AK	✓	-
VP-8x8AK	✓	-
VP-8x8TP	✓	-
VS-1616D	✓	-
VS-311UHD	✓	-
VS-3232D	✓	-
VS-3232DN	✓	-
VS-411DT	✓	✓
VS-411UHD	✓	-
VS-41HDCP	-	-
VS-42HDCP	✓	-
VS-42HN	✓	-
VS-42UHD	✓	✓
VS-44DT	✓	-
VS-44FO	✓	✓
VS-44HDCP	✓	✓
VS-44HN	✓	✓
VS-44UHD	✓	✓
VS-44UHDA	✓	✓
VS-48HDCPXL	✓	-
VS-48HN	✓	✓
VS-611DT	✓	✓
VS-622DT	✓	✓
VS-62D	✓	-
VS-62DT	✓	✓
VS-62H	✓	✓
VS-62HA	✓	✓
VS-6464DN	✓	-
VS-66HDCP	✓	-
VS-66HDCPXL	✓	-
VS-66HN	✓	✓
VS-82HDXL	✓	✓
VS-84HN	✓	✓



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Release Notes History

Product	Kramer Network Support	
	ProAV Matrix	FW Upgrade
VS-88DT	-	-
VS-88FO	✓	✓
VS-88HDCPXL	✓	-
VS-88HDXL	✓	✓
VS-88HN	✓	-
VS-88UHD	✓	✓
VSM-4x4HFS	-	-
WP-20	✓	✓
WP-20E	✓	✓
WP-20M	✓	✓

Known Limitations:

QC ID	Limitation
9008	KDS-4 streaming protocol change is not supported via Kramer Network device properties
9427	When creating Pro AV scenario device who relates to this scenario is missing
9443	In Firmware Upgrade page, in "Select Version" column, when there are more than versions for certain device, it is not clear that this column is a drop down. only after you click on the field it becomes a drop down
9715	VP-16x18AK - volume doesn't work for output 17 and output 18
9724	In some rear occasions KN server log is not responding
9749	In some rear occasions incorrect status indication when switching a Dante input to 6 Dante outputs
9768	In some rear occasions control log alert messages - the Status Value does NOT appear in the log
9802	Please note that AFV and volume definitions are not saved in scenarios
9811	Deleting the license file does not prompt the user to request a new license
10137	when adding manually the device in the Pro Av matrices page there is input volume, which is wrong, the device doesn't contain this ability.
10173	In order to see the correct status of Dante devices you must run a scan
10181	No validation for Release version fields
10355	Long name of Encoder/Decoder missing in few zoom options
10369	Web browser refreshes is required while viewing Room Controller
10396	License file is not saved in Windows 2012 server

Preceding Version: S – 1.0.4



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Release Notes History

Product Name: Kramer Network

Preceding Version:

Type	Number	Date
Firmware	–	–
Software	1.0.4	August 2016
Web	–	–
Hardware	–	–

RN Date: August 2016

Reference: 11052

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
Kramer Network	N/A	N/A	N/A

Technical Notes:

- Added Kramer Network Administrator Utility
- Fully supports install, uninstall, repair and update processes
- Kramer Network server runs in the background, the console window was removed
- Improved room controller project presentation support
- Fixed various bugs

Technical Notes:

Kramer Network supports the following devices:

H.264 Streaming:

- KDS-EN3 – H.264 full HD streaming and virtual matrix
- KDS-DEC3 – H.264 full HD streaming and virtual matrix

Dante Streaming:

- FC-404Net – Supports Dante devices in detection and virtual matrix

Kramer Pro AV devices:

908	RC-5B4	VP-558
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Release Notes History

DIP-20	RC-62	VP-732
DIP-30	RC-63A	VP-734
FC-132ETH	RC-63DLN	VP-770
FC-22ETH	RC-712M	VP-771
FC-24ETH	RC-74DL	VP-772
FC-26	RC-76M	VP-773A
FC-28	RC-76R	VP-774A
KADS-1	RC-78R	VP-81KSi
KADS-100	SL-10	VP-81SIDN
PL-50	SL-12	VP-88K
RB-6	SL-1N	VP-8X4AK
RC-2	TP-590RXR	VP-8X8AK
RC-20TB	TP-590TXR	VS-41HDCCP
RC-21TB	VM-212DT	VS-62H
RC-2C	VM-214DT	VS-62HA
RC-43SL	VP-16x18AK	VS-88DT
RC-43T	VP-439	VS-88HDXL
RC-52A	VP-440	VSM-4x4HFS
RC-52N	VP-444	WP-20
RC-54DL	VP-4X1CS	
RC-5B2	VP-4X4K	

Codependency with Other Products and Software:

- For codependency with other products or software, see:
- *Kramer Network 1.0 Installation Prerequisites*
- *Kramer Network 1.0 Installation Manual*

Both manuals are available on the Kramer Web site.



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Release Notes History

Product Name: Kramer Network

Preceding Version:

Type	Number	Date
Firmware	–	–
Software	1.0.4	August 2016
Web	–	–
Hardware	–	–

RN Date: August 2016

Reference: 11052

The following changes were made in this version:

New Features:

	Description
	Added Kramer Network Administrator Utility: Runs on the server (not Web-based) Monitors the status of Kramer Network services Restarts Kramer Network services Enables database backup/restore Enables resetting Super Admin password to default Displays concurrent users

Known Limitations (including compatibility limitations):

QC ID	Description
7960	In Internet Explorer 64-bit Room View - Box popup - border, background and title color color pickers are not implemented

Known Issues:

QC ID	Description
7534	Some parameters on Dante should be updated from Kramer-Network only. Updating them form the Dante controller does not reflect back the Kramer-Network
6960	When right-clicking on the config-inputs or config-outputs, the device name should be updated to the name of the device to be used at Kramer-Network. When using the menu "Configure Device Parameters", the Name refers to factory name and the Friendly Name relates to a name used with KDS-EN3 Manager



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Release Notes History

7004	The number of possible scenarios that may be created is not technically limited, however, it is advisable to use less than 100 for better client performance
7975	When switching the DHCP to manual the device is restarts. Wait for restart to complete to change the IP address
7977	Android tablets (Chrome browser) and iPad Mini are not supported
8645	Occasionally, the Kramer Network service does not start after running the Repair / Update option in the installation wizard. Use the Administrator Utility to restart the service
	This version supports Dante in unicast mode
	Following multiple network changes, restarting Kramer Network may be required
	License provisioning verified on English Windows OS

Preceding Version: S – 1.0

Product Name: Kramer Network

Preceding Version: S – 1.0

Version Date: June 2016

Reference: 3421

This is a release note for a new product that includes the following features:

#	Feature	Description
1	User-friendly Web-based GUI	Access and use from anywhere, anytime.
2	Automated Device Detection	Instantly and automatically identifies devices in the network, reducing configuration time.
3	Enhanced Security	Kramer Network allows only certain users to access specific audio or video sources, rooms and pre-defined scenarios.
4	Visual & Topology AV System Mapping	Easy drill down to a specific network, site, building, or room to start managing AV devices.
5	System & Connection Status at a Glance	Quickly identify critical issues in the network, see logical-video-link status at a glance.
6	Remote Maintenance	No need for on-site visits.
7	Control over IP	Built-in controller supports virtually unlimited number of controlled devices with rich driver library of 3rd party devices. Supports a new line of I/O devices.
8	Virtual Matrix	Click and connect any source to any destination and create predefined scenarios for video and Dante™ streams.
9	Enterprise Grade Management	Enables total user management, authentication, three built-in user levels and user access rights management.



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10	No Programming Required	Install and start using the platform in minutes with no need for programming.
11	Scales to any Size Installation	Supports hundreds of devices simultaneously.

Preceding Version: N/A



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