

## Release Note

**Product Name:** Kramer Network

Current Version:	Ver.Type	Ver No.	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.

### Codependency with Other Products and Software:

Product Name	Comments
	See the updated <a href="#">Supported Devices and Functionality</a> table on <a href="#">page 7</a> .



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	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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### 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 Note History

**Product Name:** Kramer Network

Current Version:	Ver.Type	Ver No.	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 <a href="#">Supported Devices and Functionality</a> table on <a href="#">page 7</a> .



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## Release Note History

**Product Name:** Kramer Network

**Current Version:**

Ver.Type	Ver No.	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 (Lightweight Directory Access Protocol) authentication.
NF-010	Notification via E-mails and or SNMP traps.
NF-011	Powerful user customized scripts with support for email and SNMP traps.



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	New Feature Description
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.
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 Note 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	-	✓



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Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
FC-6P	-	✓
FC-6PW	-	✓
FC-7	-	✓
FC-7P	-	✓
FC-7PW	-	✓
HDBT7-IN2-F16	-	✓
HDBT7-IN4-F32	-	✓
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-DEC3	-	-
KDS-DEC4	-	✓
KDS-EN3	-	✓
KDS-EN4	-	✓
Main Control App	-	✓
NT-52P	-	✓
NT-52PW	-	✓
PL-50	-	✓



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Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
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	-	-
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	-	-



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Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
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	✓	✓
VP-16x18AK	✓	✓
VP-31KSI	✓	✓
VP-439	-	-
VP-440	✓	-
VP-444	✓	-
VP-445	✓	-
VP-4X1CS	-	✓
VP-4x4K	✓	✓



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Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
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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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	✓	-



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## Release Note History

Product	Kramer Network Support	
	Pro AV Matrix	FW Upgrade
VS-66HDCPXL	✓	-
VS-66HN	✓	✓
VS-66UHD	✓	✓
VS-82HDXL	✓	✓
VS-84HN	✓	✓
VS-84UHD	✓	✓
VS-88DT	-	-
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 Note History

**Product Name:** Kramer Network

**Current Version:**

Ver.Type	Ver No.	Date
Firmware	–	–
Software	1.0.6.20	May 2018
Web	–	–
Hardware	–	–

**RN Date:** May 2018

**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 Note History

**Product Name:** Kramer Network

**Current Version:**

Ver.Type	Ver No.	Date
Firmware	–	–
Software	1.0.6.20	May 2018
Web	–	–
Hardware	–	–

**RN Date:** May 2018

**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



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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
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 Note History

**Product Name:** Kramer Network

**Preceding Version:**

Ver.Type	Ver No.	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 Note History

**Product Name:** Kramer Network

**Preceding Version:**

Ver.Type	Ver No.	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

### 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



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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 Note History

**Product Name:** Kramer Network

**Preceding Version:**

Ver.Type	Ver No.	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



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Kramer Pro AV devices:

908	RC-5B4	VP-558
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-41HDCP
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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**Preceding Version:**

Ver.Type	Ver No.	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: <ul style="list-style-type: none"><li>• Runs on the server (not Web-based)</li><li>• Monitors the status of Kramer Network services</li><li>• Restarts Kramer Network services</li><li>• Enables database backup/restore</li><li>• Enables resetting Super Admin password to default</li><li>• Displays concurrent users</li></ul>

### 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



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### Known Issues:

QC ID	Description
7534	Some parameters on Dante should be updated from Kramer-Network only. Updating them from 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
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 restarted. 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



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## Release Note History

**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.
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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