Release Notes

Product Name: **860**

Current Version:

Type	Number	Date
Firmware	Main FW: 2.31K	March 2021
	Flash FW: 1.03	April 2019
Software	–	–
Web	–	–
Hardware	–	–

RN Date: March 11, 2021

Reference: 17343

Kramer Product Affected:

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

Technical Notes:

- No change for user. This release includes instructions for factory testing purposes only.

Codependency with Other Products and Software:

- There is no codependency with other products or software.

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: Main FW: 2.30K, Flash FW: 1.03

Release Notes History

Product Name: **860**

Current Version:

Type	Number	Date
Firmware	Main FW: 2.30K Flash FW: 1.03	April 2019
Software	2.18K	April 2019
Web	–	–
Hardware	–	–

RN Date: April 2019
Reference: 14867

Kramer Product Affected:

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

Technical Notes:

- Added new features.
- Fixed several bugs.

Codependency with Other Products and Software:

- There is no codependency with other products or software.

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Release Notes History

Product Name:	**860**		
Current Version:	**Type**	**Number**	**Date**
	Firmware	Main FW: 2.30K Flash FW: 1.03	April 2019
	Software	2.18K	April 2019
	Web	–	–
	Hardware	–	–
RN Date:	April 2019		
Reference:	14867		

The following changes were made in this version:

New Features:

	New Feature Description
	Support for HDCP 2.2 repeater.
	EDID analysis of Dolby Vision HDR.
	EDID copy from USB stick.
	Border on/off for color bar patterns.

Bugs Fixed:

QC ID	Fixed Bug Description
	Corrected the H/V sync polarity for built-in EDID [D8] detailed timing 4K3G.
	In PATTERN mode, corrected internal audio sinewave output max to be 0dB.
	In PATTERN mode, fixed issue with occasional unstable output signal when changing resolution.
	Ethernet cable can be successfully plugged in after the unit is rebooted.
	Fixed the "clicking find IP" button on the control software.

Bugs to Fix in Future Versions:

QC ID	Deferred Bug Description
	None listed

Known Limitations (including compatibility limitations):

QC ID	Limitation Description
	None listed

Release Notes History

Preceding Version:
Main FW: 2.23K
Flash FW: 1.03
SW: 2.17K

Release Notes History

Product Name: 860

Current Version:

Type	Number	Date
Firmware	Main FW: 2.23K Flash FW: 1.03	January 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: **January 2017**
Reference: **13696**

Kramer Product Affected:

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

Technical Notes:

- Added support for additional Telnet commands, see updated User Manual for details.
- Added support for additional Protocol 3000 commands.
- Added modifications.
- Fixed various bugs.

Codependency with Other Products and Software:

- There is no codependency with other products or software.

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Release Notes History

Product Name: 860

Current Version:

Type	Number	Date
Firmware	Main FW: 2.23K Flash FW: 1.03	January 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: **January 2017**

Reference: 13696

The following changes were made in this version:

Modifications:

QC ID	Modification Description
12287	Improved start-up sequence when turning on the device.
	Added PC Clock Tolerance setting in Analyzer mode (Rx port control).
	Added missing RS-232/Telnet commands.
	Added Protocol 3000 commands: #edid_manuf, #edid_model, #edid_native
	Added output resolutions: 400x1050p75, 1440x900p75, 1440x900p85, Auto(Native)
	Added color space: 4K3G/6G YCbCr422
	Added patterns: "P26 General 2*", "P47 Process 4:4:4"
	Added support for Dolby Vision Bypass of source OPPO UDP-203, Apple TV A1842 in Analsyer mode.

Bugs Fixed:

QC ID	Fixed Bug Description
	Fixed bug in EDID reading.
	Fixed issues with pattern P38.
	Fixed RxSense bug in Analyzer mode.
	Fixed color space issues on 4k@60 and 4K@50 (T77 & T79) Pattern P38.
11787	Automatic Auto Adjust now works properly on PC input.
	Fixed issue with misreading sink EDID.
	Miscellaneous bug fixes.

Release Notes History

Bugs to be Fixed in Future Version:

QC ID	Description
	None listed

Known Limitations (including compatibility limitations):

QC ID	Description
	None listed

Preceding Version: F – 2.10K

Release Notes History

Product Name: **860**

Current Version:

Type	Number	Date
Firmware	2.10K	February 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: **February 2017**
Reference: **9989**

Kramer Product Affected:

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

Technical Notes:

- This is a release note for a new product.

Codependency with Other Products and Software:

- There is no codependency with other products or software.

Release Notes History

Product Name: **860**

Current Version:

Type	Number	Date
Firmware	2.10K	February 2017
Software	–	–
Web	–	–
Hardware	–	–

RN Date: **February 2017**
Reference: **9989**

This is a release note for a new product. For a list of new product features see:

http://www.kramerav.com/manual/860

The following changes were made in this version:

Bugs to be Fixed in Future Version:

QC ID	Description
	None listed

Known Limitations (including compatibility limitations):

QC ID	Description
	None listed

Preceding Version: N/A