



Product Name: VP-770
Current Version: F – 03.52.52.24074.23112.P
Version Date: December 2015
Reference: 9096

Release Type:

Firmware Software Hardware New Product

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VP-770	Any	Yes	N/A

Technical Notes:

- Extensive changes and fixes were made to the device and Web firmware.
- New features are explained in detail in the updated version of the user manual.

Codependency with Other Products and Software:

- There is no codependency with other products or software.



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The following changes were made in this version:

Added Features:

- Input EDID selections were added: Multiple/Single Modeline.
- Two factory reset options were added: Including ETH, Excluding ETH.
- Three auto switching modes were added: Off, Scan, Last connected.
- Three image shift modes were added: Auto, Semi Auto, Customized.
- A P3000 command “AUD-RESET” was added that resets the audio system.
- An Analog Noise Filter was added to determine the analog audio input threshold.
- Multiple sockets for control ports (5000, 50000) and the tunneling port were added allowing control from multiple computers.
- Fade-through-black speed can be set.

Fixes:

- Significant anti-audio loss measures were added to prevent audio loss problems.
- Video – When switching between HDCP and non HDCP sources sometimes there was HDCP snow or no output signal.
- Video – There was image tearing for output resolutions 1080p23.97/24/25/29.97/30.
- Web COMM – Preset configuration recall was inconsistent.
- Web COMM – There were problems with FW upgrading via the Web page.
- OSD – There was incorrect PIP HDCP presentation at the device info menu.
- OSD – The IP data in OSD information did not update.
- Flash memory – Did not save protocol settings properly.
- Improved robustness of handling multiple and contiguous P3K commands and port tunneling using scripts.



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- Mic audio was interrupted by switching.
- Miscellaneous OSD and web GUI bug fixes.
- Fixed some front-panel keyboard bugs.
- Fixed bugs in TP data tunneling.
- Fixed issue of lost EDID on powering up the unit.
- Protocol command improvements and fixes.
- Corrected problems with auto-sync off feature.
- Inconsistencies between OSD and webpages.
- Fixed miscellaneous IP and comm issues.
- Miscellaneous audio fixes and enhancements.
- Browser related fixes.
- Fixed some HDCP compliance issues.
- Fixed issues related to firmware upgrading.
- Fixed issues with Mac inputs.
- Fixed issues with specific input and output video resolutions.
- Fixed some video enhancement and picture handling issues.
- Fixed issues with blank and freeze.
- Corrected color space issues.
- Miscellaneous bug fixes and enhancements.



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The following **Web related** changes were made in this version:

Added Features:

- Auto switching was added.
- Added new fields and options to the emergency alert system.
- Input settings were added.
 - Overscan combo-box
 - EDID-mode combo-box
 - Image shift mode
- Two types of factory reset were added.
- The "Analog Noise Filter" function was added.
- Global additions:
 - Full screen icon (top right corner)
 - Dialog for changing protocol to P3K (when the protocol was legacy)
 - Significant Web page communication improvement
 - Significant Web page communication improvement on mobile devices
 - Web page can now be accessed from MAC computers

Fixes:

- Emergency Alert System (EAS) message bugs were fixed.
- Take mode, Zoom and PIP, and windows' customization were improved.
- Input settings slider and communication were improved.
- The audio slider was improved.
- Save/load configuration: bugs were fixed, and new commands were added to the configuration file.



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Known Issues:

- Firmware upgrade is not supported on mobile devices (iPad, Galaxy Note, etc.)
- Firmware upgrade is not supported on MAC computers

Preceding Version: F – 03.35.47.15411.15410.P (beta)



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Product Name: VP-770
Preceding Version: F – 03.35.47.15411.15410.P (beta)
Version Date: July 2014
Reference: 9991

The following changes were made in this version:

Fixes:

- Wrong input source buttons were fixed.
- Output resolution 1280x800@60 was fixed.
- EAS message layout was fixed.

Known Issues:

- There are no known issues.

Preceding Version: F – 03.35.47.15263.15185.P (beta)



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Product Name: VP-770
Preceding Version: F – 03.35.47.15263.15185.P (beta)
Version Date: July 2014
Reference: 9990

The following changes were made in this version:

Added Features:

Added a full functionality Web page supporting the following browsers:

- Windows7:
 - IE (32/64 bits): version 10
 - Firefox: version 30
 - Chrome: version 35
- MAC (PC):
 - Chrome: version 35
 - Firefox: version 27
- Android OS:
 - Chrome: version 35
- iOS:
 - Chrome: version 35
 - Safari (the version depend on IOS version)
- Signal color select was added.
- EAS –minor and moderate severities are used as messages rather than alerts.

- **Note:** The Web interface user ID is “admin” and the password is “1234”.



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- Webpage only, new functions:
 - Mic mute, line mix mute
 - Mic TA hold time
 - Mic TA attack time
 - Mic TA release time
 - Volume pre-limiter

Fixes:

- Web page and firmware bugs were fixed in this version.

Known Issues:

- There are no known issues.

Preceding Version: F – ARM9 -11368/ARM7 - 10986



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Product Name: VP-770
Preceding Version: F – ARM9 -11368/ARM7 - 10986
Version Date: December 2013
Reference: 6395

The following changes were made in this version:

New Features

For a detailed description of the new features, see the updated User Manual on our website.

- A built-in remote control emulation Web page was added.
- Support was added for the different control commands.
- A port tunneling feature that allows communicating commands via ETH and DGKAT ports was added.
- Settings of the customized window are now permanently saved.
- Incremental increase/decrease support was added to control protocol commands.
- Emergency Alert System was implemented.
- Convenient toggling was added between Main and PIP windows controls while browsing in the OSD MENU.
- The ability was added to select the color depth parameter in the input's EDID.
- IP address, input, and master connection were added to the Info screen.
- In the OSD, under Scale->Output->HDCP Mode, "Follow input" and "Follow output" options were added.

Fixes:

- Fast and smooth PiP insertion no longer affects the main window video and audio streaming.



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- When the PIP window HW parameter was set higher than 1280, the picture was distorted.
- HDMI plugin detection was improved.
- In the EDID, mistakes in the details of some resolutions were fixed.
- Multiple minor bugs were fixed.

Known Issues:

- Auto positioning in DisplayPort can create green bars.

Preceding Version: F – 9117



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Product Name: VP-770
Preceding Version: F – 9117
Version Date: July 2013
Reference: 5645

The following changes were made in this version:

Fixes:

- Many bugs in the previous version were fixed and new features were added. Refer to the updated User Manual on the Kramer Website.

Known Issues:

- There are no known issues.

Preceding Version: N/A



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