KRAMER ELECTRONICS RELEASE NOTE

Product Name: VIA Collage

Current Version:

Ver.Type	Ver No.	Date
Firmware	2.0.0916.788	October 2016
Software	–	–
Web	2.0.0916.535	July 2016
Hardware	–	–

RN Date: **October 2016**

Reference: **11359**

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VIA Collage	2.0.0716.774	Yes	Yes

Technical Notes:

- This version supports the iOS10 mirroring feature.
- New TCP/IP and UDP ports were added/modified.
- From now on, only one file is available for performing the update. It must be done through the Web admin page, using the .zip file (zipped and unchanged).

Codependency with Other Products and Software:

- **This version can only be applied on a unit running version 2.0.0716.774 firmware and requires an authentication file. Register your units on the Kramer VIA portal to get your authentication file.**
- If the new firmware is applied to a version <u>other than</u> 2.0.0716.774, the unit reboots automatically but the update is not installed. Make sure to check your firmware version carefully.

Kramer Internal Use

Product Name: **VIA Collage**

Current Version:

Ver.Type	Ver No.	Date
Firmware	2.0.0916.788	October 2016
Software	–	–
Web	2.0.0916.535	July 2016
Hardware	–	–

RN Date: **October 2016**

Reference: **11359**

The following changes were made in this version:

New Features:

	Description
	Add iOS10 and MAC OS Sierra mirroring support
	New TCP/IP and UDP ports were added/modified:

Traffic Client to VIA	Type	Function
9987	TCP	Display mobile device
iOS to VIA	**Type**	**Function**
7000	TCP	Server port authentication
7100 – 7300*	TCP	Data
29053	TCP	Event port
2001 - 2201*	UDP	Timing
61875-62000	UDP	Audio data

Bugs Fixed:

QC ID	Description
	The maximum length of Room name was increased on main display
	Third Party Apps: Dropbox – an issue with connecting to an account was fixed

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Known Issues (including compatibility limitations):

QC ID	Description
	iOS Mirroring –video playback from AppStore or iTunes is not supported.
	ChromeBook app has some limitations, such as unsupported audio and collaboration features, the gateway IP address must be entered instead of the DNS name and an Internet connection is required.
	When using Media Windows Center to open a picture, the client devices using the "View Main Display" feature see a black screen. Windows Viewer is recommended as a workaround.
	VIA gateway firmware (FW) upgrade crashes if the FW is pushed from the VSM and the network connection between the VIA gateway and the VSM is dropped during the upgrade process (WOWApi.exe message).
	Sending a large file (>1GB) from the VIA gateway cloud to a participant gives a system error (server.exe message).
	Whiteboard issues in dual display mode: incorrect toolbar alignment, multi-touch screen dysfunction.
	New UI scaling feature may distort some icons.
	Mirroring a video being played on Quick Time Player (MAC only) to the main screen may display freezing artifacts.
	The new extended display mode feature for Windows clients (that presents a second display on the main screen) is not supported on Microsoft Surface devices.
	Foreign language translations are not complete.
	The "Configuration" page of the Web interface scrolls to the top after every change is applied.
	A running e-Exam cannot be ended if the gateway and the audience response system are not in the same time zone (even if they show the same time).
	e-Exam and e-Polling do not support special characters and have some layout issues (pie chart conflicts with score table, and so on).
	Wrong keyboard mapping in "collaboration" mode when using foreign language on a MacBook PRO.

Kramer Internal Use

QC ID	Description
	If the network falls/drops while mirroring an iOS device, the presented content freezes on the main display and only a manual disconnection from the gateway participants' list stops the Airplay service.
	After disconnecting a device from iOS mirroring, there is a one minute wait before trying to reconnect using Airplay.
	iOS8 devices using Airplay to mirror their content may occasionally experience a green screen on the main display.
	Android: When saving a picture/document received using the cloud/file sharing feature, it overwrites an existing file with same name without warning, resulting in a blank picture/document being saved.
	Windows Phone: the select all feature (Ctrl+A) in Whiteboard does not work.
	Windows Phone: VIA login page appears instead of the document page after an upload completes.

Preceding Version: F - 2.0.0716.774

KRAMER ELECTRONICS RELEASE NOTE

Kramer Internal Use

Product Name: VIA Collage

Preceding Version:

Ver.Type	Ver No.	Date
Firmware	2.0.0716.774	–
Software	–	–
Web	–	–
Hardware	–	–

RN Date: August 2016 (Ver. 2)

Reference: 11058

Kramer Product Affected:

Product Name	Minimum FW Version for Upgrade	Recommended for All Units	Only if Added Features are Required
VIA Collage	1.9.0316.684	Yes	N/A

Technical Notes:

- Many modifications were made to enhance the features and the user experience.

- Two files are available for performing the update. Choose only one and do not use both:
  - For updating through the Web admin page, use the .zip file (zipped and unchanged).
  - For updating through the USB port of the device, use the .exe file with a USB drive.

Codependency with Other Products and Software:

- You must upgrade the client applications for your Windows and MAC computers and your Android, iOS and Windows Phone mobile applications. All must support version 1.9 (minimum). Version 2.0 is recommended.

- In order to use the VIA Pad with your VIA gateway, you must upgrade your unit to version 2.0.

- Version 2.0 FW can only be applied on a unit running version 1.9 FW.

Kramer Internal Use

Product Name: **VIA Collage**

Current Version:

Ver.Type	Ver No.	Date
Firmware	2.0.0716.774	–
Software	–	–
Web	–	–
Hardware	–	–

RN Date: **August 2016 (Ver. 2)**

Reference: **11058**

The following changes were made in this version:

New Features:

	Description
	User interface skin with redesigned icons and layout.
	Reduced the available settings in the VIA menu to LAN, System Configuration and Third Party Apps. All other settings were moved to the Web interface management UI.
	Audio and TimeZone settings can be adjusted from the Web interface only.
	Whiteboard toolbar can be moved up and down.
	Skype, Go2Meeting and WebEx applications were moved to 3rd party apps.
	VIA client apps for Windows and MAC now offer a Menu option: on the status bar for MAC and in the system tray for Windows.
	VIA client app for Windows devices supports Extended Display mode, for presenting a second display on the main screen. This feature is accessible from the system tray menu.
	Basic Authentication mode now requires a password. Default password is set to "supass", until reset by the user.
	The "VIA Room Manager" list was implemented to input preferred Room Names either manually, from a text file or by importing it from VSM. JPEG or H.264 encoding algorithm (to adapt to client device performance) can be chosen in VIA app client settings.
	The View Main Display feature for the VIA client app now automatically saves annotations to a document and clears all pending drawings when "Resume" is clicked.

Kramer Internal Use

	Description
	The "Help" icon was removed from the client app and the "Minimize" icon minimizes the app to the taskbar (instead of moving it to the side).
	In Windows devices, the VIA client UI supports up-scaled size (DPI-based) when device display resolution is greater than 1920x1080.
	Web interface features were added, including: -Tooltips (in English only), - "Advanced Configuration" menu for defining default actions upon session end and configuring Time Zone, Audio preferences and UI scaling, - VSM offline configuration, - Gateway Activity logs, - Firmware upgrade requiring authentication (beginning with 2.0.XXX versions, only units under a SW warranty contract are eligible for FW upgrades), - and Portuguese language support (in Beta version).
	Security improvement: New Captcha and Web interface session automatically ends after 10 minutes of inactivity.
	iPAD/ iPhone: • iPhone only: 3D touch support with shortcuts to QR code, documents and login screens. • The Photo Album feature was enhanced with new options and the photo selection counter was removed. • Login uses device names as default. • In the multimedia feature, "Photos" tab was removed (Photo Album feature replaces it). • In the Multimedia feature, documents and media files can be deleted using left swipe. • RTP/RTSP streaming player feature was added in multimedia. • Whiteboard was enhanced in View Main Display (Erase/Erase All options and Pause/Resume when annotating). • In Basic Authentication mode, "Become Moderator" now requires a password. • The Home Page of the Web browser can be set to your preferred Website (click on Home pin icon to select it once chosen). • The "Cloud" directory icon was renamed to "Files".

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	Description
	• The "Start Collaboration" feature now shows a trackpad with left and right buttons and a "Lock" button to maintain the left-click functionality while drawing/annotating. • The "Help" and "Minimize" icons were removed. • In Chat mode, the keyboard disappears after clicking "Send".
	Android: • In the Multimedia feature, the "Photos" tab was removed (replaced by Photo Album feature). • In the Multimedia feature, documents and media files can be deleted using left swipe ("undo" option available for Android only). • RTP/RTSP streaming player feature was added in Multimedia. • In Basic Authentication mode, "Become Moderator" now requires a password. • Home Page of the Web browser can be set to your preferred Website (click on Home pin icon to select it once chosen). • The "Cloud" directory icon was renamed to "Files". • The "Help" and "Minimize" icons were removed. • The "Start Collaboration" feature now shows a trackpad with left and right buttons and a "Lock" button to maintain the left-click functionality while drawing/annotating.

Kramer Internal Use

	Description
	Windows Phone: • In the Multimedia feature, the "Photos" tab was removed (replaced by Photo Album feature). • In the Multimedia feature, documents and media files can be deleted using a long press. • MP4 files are now supported in multimedia streaming feature. • RTP/RTSP streaming player feature was added in Multimedia. • In Basic Authentication mode, "Become Moderator" now requires a password. • Home Page of the Web browser can be set to your preferred Website (click on Home pin icon to select it once chosen). • The "Cloud" directory icon was renamed to "Files". • The "Help" and "Minimize" icons were removed. • The "Start Collaboration" feature now shows a trackpad with left and right buttons and a "Lock" button to maintain the left-click functionality while drawing/annotating. • Moderator mode can now be activated for Windows Phone users.

Bugs Fixed:

QC ID	Description
8201	Freezing issues of client devices on main display after few minutes
7806	Whiteboard with Touch Panel shows delays in drawings
8253	UM updated
	Fixed iPhone 6S layout issues when using View Main Display notes and switching from Portrait to Landscape while using Cloud services.
	SD Card media detection issue was solved in Android devices.
	Fixed Windows Phone device rotation issues.
	Fixed Windows Phone conflict between View Main Display and DND.
	Fixed additional Windows Phone bugs related to the Multimedia feature.

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Bugs to be Fixed in Future Version:

QC ID	Description
8539	Wrong keyboard mapping when using a MacBook PRO

Known Issues (including compatibility limitations):

QC ID	Description
	ChromeBook app has some limitations, such as unsupported Audio and Collaboration features. Also, the gateway IP address must be entered instead of the DNS name. An Internet connection is required.
	If using Media Windows Center on the unit to open a picture, the client devices using the "View Main Display" feature see a black screen. Windows Viewer is recommended as a workaround.
	VIA gateway FW upgrade crashes if the FW is pushed from the VSM and the network connection between the VIA gateway and the VSM is dropped during the upgrade process (WOWApi.exe message).
	Sending a large file (>1GB) from the VIA gateway cloud to a participant leads to a system error (Server.exe message).
	In Dual display mode, some issues with the whiteboard can be observed: incorrect toolbar alignment, multi-touch screen dysfunction.
	New UI scaling feature may distort some icons.
	Mirroring a video being played on Quick Time Player (MAC only) to the main screen may display freezing artifacts.
	The new Extended Display mode feature for Windows clients (to present a second display on the main screen) is not supported on Microsoft Surface devices.
	Translations to foreign languages are not complete.
	The "Configuration" page of the Web interface scrolls to the top after every change applies.
	A running e-Exam cannot be ended if the Gateway and the Audience Response System are not in the same TimeZone (even if they show the same time).
	e-Exam and e-Polling do not support special characters and show some layout issues (pie chart conflicts with score table, and so on).
	Wrong keyboard mapping in "collaboration" mode when using foreign language on a MacBook PRO.

Kramer Internal Use

QC ID	Description
	If the network falls/drops while mirroring an iOS device, the presented content freezes on the main display and only a manual disconnection from the gateway participants' list stops the Airplay service.
	After disconnecting a device from iOS mirroring, one minute must pass before trying to re-connect using Airplay.
	iOS8 devices using Airplay to mirror their content may experience (sometimes) a green screen on the main display.
	Android: When saving a picture/document received using the Cloud/File Sharing feature, it overwrites an existing file with same name without warning, resulting in a blank picture/document being saved.
	Windows Phone: WhiteBoard select all feature (Ctrl+A) is not working.
	Windows Phone: VIA Login page appears instead of documents page when an upload completes.

Internal Known Issues:

QC ID	Description
3851	DP output – No audio embedded when using DP to HDMI cable.
6697	The VIA Collage activation code changes after a power outage during FW upgrade or changing network parameters causing the VIA Collage activation code to lock.
6951	The VIA Collage "HDMI In" option contains "thin black borders" on left, right and top bars.

Preceding Version: F – 1.9.0316.684

Kramer Internal Use

Product Name: VIA Collage

Current Version: F – 1.9.0316.684

Version Date: March 2016

Reference: 10281

The following changes were made in this version:

Added Features:

- Streaming input plays video streams from a remote location on the main display.
- A new API supports the Streaming Input feature.
- All API commands sent are now receiving an answer.
- Connecting to the embedded Web admin interface now uses a CAPTCHA test to increase security.
- TLS encryption layer added for transport security from Control devices (using Port 9986)
- In Dual-display mode, the second display is now showing the default wallpaper when only one user is stepped-in (instead of black screen)
- E-Polling/e-Exam module got improved features (still in Beta mode)
- Support for multi-touch displays
- The device automatically generates a QR code to allow quick connection from mobile devices.
- NFC tags are supported for quick connection from Android devices equipped with NFC technology.
- A higher frame rate supports Android mirroring on devices running Lollipop (5.0) minimum.
- iOS mirroring support added
- A Windows Mobile App is now available from Windows Store.
- Integration with VIA Site Management was finalized.
- Updated languages support new features.

Fixes:

- Small bugs were fixed

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Kramer Internal Use

Internal Known Issues:

QC ID	Description
3851	DP output – No audio embedded when using DP to HDMI cable
6697	The VIA Collage activation code changes after a power outage during FW upgrade or changing network parameters causing the VIA Collage activation code to lock
6729	Can't log in to the VIA app on Android 6.0 (Marshmallow)
6951	The VIA Collage "HDMI In" option contains "thin black borders" on left, right and top bars

Known Issues:

- There are no known issues.

Preceding Version: F – 1.8.0116.644

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Kramer Internal Use

Product Name: VIA Collage

Preceding Version: F – 1.8.0116.644

Version Date: February 2016

Reference: 10049

The following changes were made in this version:

Fixes:

- Looped in DHCP mode when using FW version 1.8 with the patch.
- Followed a boot-loop sequence.

Internal Known Issues:

QC ID	Description
3842	Output picture does not auto-size related to output resolution
3843	Unit always outputs the screen's native resolution despite other resolutions applied
3844	VIA Mirror mode: when the PC resolution is changed, the unit stops displaying the user's desktop and logs out.
3845	Video and audio interruptions
3849	Mirror mode: Audio out from DP/HDMI is clipped
3851	DP Output: No embedded audio when using a DP to HDMI cable
3852	Audio sample frequencies: 176/192 kHz is not supported even when appearing in the unit EDID
3854	Disconnect and reconnect output cable: picture does not deploy properly
3855	Volume slider does not react in a robust way
5042	Cannot Skype conference between two VIA Collages
5044	Lync audio level is too low, audio level adjustments don't work
5107	FW version does not appear in the image file name
5108	Audio does not play using MAC
5110	Multimedia mode: random video interruptions even after a few minutes
5111	Volume does not remain at its set level after Step-out

Known Issues:

- There are no known issues.

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Preceding Version: F – 1.8.1215.643

Kramer Internal Use

Product Name: VIA Collage

Preceding Version: F – 1.8.1215.643

Version Date: December 2015 (ver. 2)

Reference: 9760

The following changes were made in this version:

Feature Enhancement:

- VIA Pad support
- DHCP for Collage
- Auto Clear CHAT history on client side
- SSL encryption on the Webpage
- API command for cleaning the Cloud
- API command for changing dynamic/automatic display modes
- API command for closing the whiteboard with auto save of the content
- Streaming Input – Receive Live video feeds inside the collaboration area [RTSP and RTP stream can be published]
- Transparent icons for shortcuts to preferred apps - maximum of 5 shortcuts
- Audio support for MAC client (New El Capitan OS, as well as improvement to older OS)
- Network Drive using \\<path> is supported as a Cloud drive
- Mobile Features Configuration - Allow user to configure mobile features from Web administration page
- e-Polling (Beta)
- e-Exam (Beta)
- Reset the Room Name when switching from Static to DHCP
- Rotation of Win8 touch-based laptops is now included as part of 1.8

Fixes:

- Minor bugs were fixed.

Kramer Internal Use

iPAD/ iPhone Fixes

- iCloud support Integration
- Third party apps launch from the application
- Improvement of the trackpad size for collaboration (trackpad is full size)

Android

- Android mirroring for devices supporting Android 5 and above
- Third party apps launch from Android application
- Increase of the trackpad size for collaboration

Known Issues:

- e-Exam and e-Polling do not support special characters

Preceding Version: F - 1.7.0815.568

Product Name: VIA Collage

Current Version: F – 1.7.0815.568

Version Date: August 2015

Reference: 9292

The following changes were made in this version:

Feature Enhancement:

- Support for Windows 10 was added.

Fixes:

- Bugs were fixed.

Known Issues:

- Rotation of Win8 touch-based laptops is not supported.

Preceding Version: F – 1.7.0715.558

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Product Name: VIA Collage

Preceding Version: F – 1.7.0715.558

Version Date: July 2015

Reference: 9037

The following changes were made in this version:

Feature Enhancement:

- 4K Support - Up to four full HD 1080p sources are simultaneously displayed.
- New "Basic" moderator mode was added.
- New "Do Not Disturb" (DND) mode was added.
- New Web-embedded landing page.
- Ability to enable/disable the Chat feature when moderator mode is activated.
- Third Party Apps - Ability to create a shortcut to a specified URL.
- Ability to select a USB drive as External Cloud (without credentials).
- File Transfer feature is supported between all device platforms (Mac, Win, iOS, Android).
- View Main Display feature is now offering the ability to Zoom In and Out on a PC or MAC.
- View Main Display feature is now offering a "Pause" and "Resume" buttons on PC and MAC to facilitate annotation.
- Ability to disconnect individual participants from a session.
- Reset to Factory Defaults Settings was added.
- New Tab called "iOS Mirror" available in the Settings menu to configure the iOS mirroring feature.
- New Thumbnail Layout view available, in addition to the standard Dynamic Layout, "on-the-fly" switch.
- Ability to view the list of the iOS mirroring participants (Apple Devices List) and to disconnect them from the session if needed.
- Integration of the VIA Site Management (VSM) support (Ability to configure the unit to a specified VSM server).
- Multi-Lingual Support added (Spanish, Chinese, Japanese, French and Polish).
- Added API with more commands.
- Includes all previous released hot fixes.

Fixes:

- Minor bugs were fixed.

iPAD/ iPhone Fixes

- New language support was added.

Android

- New language support was added.

Known Issues:

- Rotation of Win8 touch-based laptops is not supported.

Preceding Version: S – 1.6.0415.332

Product Name: VIA Collage

Preceding Version: F – 1.6.0215.332

Version Date: February 2015

Reference: 8565

The following changes were made in this version:

Feature Enhancement:

- iOS mirroring support was added.
- Virtual Windows Client - Installation of audio drivers is not needed.
- Includes all previous released hot fixes.
- Multi-Lingual Support (German and Russian).
- Added API with more commands (launch 3rd party apps, get status list, …).
- Video player can be controlled from main display.
- Support for touch screen mouse on Windows 8 touch-based laptops for collaboration
- Removed deletion of users in the case of switching from Presentation Mode to Freedom Mode and opposite.
- Change credential settings to Username: su; Password: supass.
- Web based administration –
    - o Activate/deactivate iOS mirroring.
    - o Select language for the application (English / German / Russian).

Fixes:

- Minor bugs were fixed.

New iPAD/ iPhone Features

- The ability to view saved documents of previous meeting sessions and to share these documents through other iOS applications (Mail / Drop /…) without needing to login.
- The ability to open images from existing albums/folder structure by choosing selected files.
- View Main Display feature is now supported on the iPhone.
- Multiple language support was added.

Android

- Multimedia feature now supports video streaming
- Multiple language support was added.

Known Issues:

- If a file has a Russian name and it is shared to all participants, the file shows not found.
- Rotation of Win8 touch-based laptops is not supported.
- When switching on the device, the first room code generated is always displayed as 6985.

Preceding Version: S – 1.5.1214.250

Product Name: VIA Collage

Preceding Version: S – 1.5.1214.250

Version Date: December 2014

Reference: 8262

The following changes were made in this version:

Fixes:

- Minor bug fixes
- Language Corrections

Modifications:

- Network stability of the product was improved.
- All previous released hot fixes were included.
- Web-based Administration
    - UI Configuration – Allows you to remove some icons, rearrange as per choice
    - Sets default 3rd party Web Browser and Whiteboard
    - Allows activation/deactivation of the 24hr date format
    - Web-based firmware update
    - Do not start HDMI as a startup option
    - Auto Power off timing for the device
    - Logs of system usage
    - New Web UI recognizes MAC/Windows /iPAD or Android and directs to correct client software
- Collaboration Mouse enhancements – Does not require firewall port to open at client side.
- The room code is shown on second screen as well in case of dual screen.
- Individual files can be deleted from cloud directory.
- Fixed file transfer issue to initially select correct directory.
- View main display is better supported on Android devices.
- View main display zoom function on Android/ iPAD is now available.
- A new set of API commands was added for controlling the VIA unit (open whiteboard …).
- "Room Code" was changed to "Code"

- Dynamic room name, code and date/time size is based on the output resolution of VIA.
- Dynamic network bandwidth calculation was improved and warns the user in case speed is low.
- The streaming tab was removed from settings

Known Issues:

- There are no known issues.

Preceding Version: N/A