# For User: Running Kramer VIA App

**Kramer VIA** app enables you to use **VIA Connect PRO** for collaborative meetings. Before moderating or joining a meeting, run the **Kramer VIA** app on your device using one of the following methods:

- Running the Kramer VIA App for PC and Mac on page 64.
- Running the Kramer VIA App for Tablets & Smartphones and for Chromebooks/Chrome Web Browser on page <u>65</u>.

# **Running the Kramer VIA App for PC and Mac**

To run Kramer VIA, for PC and Mac computers:

 Open your Web browser and enter the IP address for your VIA Connect PRO unit. Your Web browser recognizes your operating system (MAC/Windows) and directs you to the correct client software.

The embedded web pages Welcome page appears (Figure 3).

- 2. Click one of the following two options:
  - Run VIA runs Kramer VIA virtually, without installing it on your computer.
     Once downloaded, locate the file on your computer (under "Downloads") and click it to launch. The VIA Connect PRO login screen appears.
  - Install VIA installs Kramer VIA on your computer. After the .exe file is downloaded to your computer, a confirmation message appears. Click Yes and follow the Setup Wizard instructions.

The **Kramer VIA** app is saved to the KRAMER folder on your C:/ProgramFiles directory drive by default and a desktop shortcut is created for easy access. However, you can select a different target folder in the Setup Wizard.

# Running the Kramer VIA App for Tablets & Smartphones and for Chromebooks/Chrome Web Browser

To run Kramer VIA for tablets and smartphones:

• Download Kramer VIA from the App Store (iOS) or Google Play (Android).

To run Kramer VIA for Chromebook or the Chrome Browser:

- Open your Chrome browser and type the name of your VIA Connect PRO device as it is shown on the main display. The embedded web pages Welcome page appears (<u>Figure 3</u>).
- Click the chrome web store link in the lower right corner.
   You are redirected to the Kramer VIA app page in the Chrome web store.



3. Click Add to Chrome.

The app is added to your Chrome browser and a confirmation message appears.



# For User: Participating in a VIA Meeting

This section explains how to participate in a collaborative meeting using **VIA Connect PRO** and your personal device.

VIA Connect PRO enables you to do the following:

- Logging In to a VIA Meeting on page <u>66</u>.
- Managing Room Names on page <u>99</u>.
- <u>Mirroring Your Device Screen</u> on page <u>71</u>.
- <u>Collaborating on Main Display</u> on page <u>77</u>.
- <u>Streaming Video</u> on page <u>84</u>.
- <u>Communicating with Participants</u> on page <u>91</u>.
- Mirroring Main Display on Your Device on page 97.

# **Logging In to a VIA Meeting**

Participants can log in to a VIA meeting in the following ways:

- Logging In to a VIA Meeting Manually on page 67.
- Logging in to a VIA Meeting using QR Code on page 69.
- Logging In to a VIA Meeting Using a VIA Pad on page 70.
- Logging In to a VIA Meeting Using a VIA NFC Tag for Android on page 70.
- Managing Room Names on page <u>99</u>.

## Logging In to a VIA Meeting Manually

VIA Connect PRO enables you to manually enter credentials for logging in to a VIA meeting.

To log in to a VIA meeting manually:

- 1. Connect your device to the same network that VIA Connect PRO is connected to.
- 2. Run the Kramer VIA app. The Kramer VIA login screen appears.

	Welcome to VIA !
Room Name	172.16.253.1 <b>v</b>
Nick Name	dave
Code	
	Login

Figure 59: Kramer VIA Login Screen

	21:08   Tuesday 25 April 2017
	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>
Room Name: 172.16.253.1 Code: 4519	

Figure 60: VIA Gateway Home Screen

- 3. Type a Nick Name (username) for your device (it can be any combination of letters and numbers). This is the name that appears on the main display when you collaborate.
- 4. Type the Code, as it appears in the lower left corner of the VIA Home screen (if activated).
- The Code can only be seen by those present in the meeting room and the Code changes regularly. This is a security feature that ensures that only those present in the room can participate in the presentation.
- You may be required to type a user name and password if Databased Moderator mode is activated (see <u>Configuring Moderator Mode</u> on page <u>26</u>). For more information, ask your meeting Web Administrator.

5. Click Login.

You are logged into the VIA meeting.

The VIA Dashboard (and taskbar icon for laptops) appears on your device screen.

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The following section may not present all current **VIA Connect PRO** features. For a complete, updated list of available features go to: www. true-collaboration. com/products. html#



Some features only appear when the user is in Moderator Mode

Features	Pre	isent	Participants
Multimedia	Start Collaboration	Whiteboard	Files
Enable Control	Chat	File Transfer	View Main Displa

Figure 61 VIA Connect PRO User Dashboard

The User Dashboard main menu includes:

- Features Display all available features of VIA Connect PRO.
- Present / Stop Presenting Mirror or mirroring your screen on the main display.
- Participants Display a list of all participants in the session.
- Volume Control Control the volume of speakers connected to VIA Connect PRO.

# Logging in to a VIA Meeting using QR Code

**VIA Connect PRO** enables you to scan a QR code that appears on the main display to log into a VIA meeting.



The following instructions are for iOS and Android users.

To log in to a VIA Meeting using the QR Code:

 Connect your device to the same network as the VIA Connect PRO and run the Kramer VIA app on your device.

The Kramer VIA login screen appears.



Figure 62: VIA Login Screen with QR Code Icon

- 2. Tap the QR code icon in the lower right corner of the login screen. A capture screen appears on your device.
- 3. Scan the QR code that appears in lower right corner of the VIA main display (Figure 36). You are automatically logged in to the VIA meeting.

The VIA Dashboard and taskbar appear on your device screen (Figure 61).

# Logging In to a VIA Meeting Using a VIA Pad

**VIA Connect PRO** you to log in to a VIA meeting using a VIA Pad.



Make sure that your **VIA Pad** has been paired with your **VIA Connect PRO** unit before using it (see <u>Configuring VIA Pad Settings</u> on page <u>32</u>).

The following instructions are for Windows and Mac OS users.

## To log in to VIA Connect PRO using a VIA Pad:



- 1. Connect your VIA Pad to a USB connector on your laptop.
- 2. Open the VIA Pad folder and double-click the VIA Pad app. The Kramer VIA login window appears.
- 3. If necessary, type in your room name.
- 4. Click Login.

Your VIA Pad lights blue when ready.

The VIA Dashboard and taskbar appear on your device screen (Figure 61).

- 5. Use **VIA Pad** to present:
  - Press once Starts presenting or stops presenting your screen on the main display.
     When you are presenting, the VIA Pad LED banner lights green. When you stop presenting, the LED banner lights blue.
  - Press twice while presenting Freezes or unfreezes your screen. When your screen is frozen, the VIA Pad LED banner flashes green.
  - Long press Displays your screen in full screen mode on the main display, displacing any other participant screen.

# Logging In to a VIA Meeting Using a VIA NFC Tag for Android

VIA Connect PRO enables you to log in to a VIA meeting using a VIA NFC Tag for Android.

## Writing an NFC Tag

To write an NFC tag:

 Download the free VIA NFC Writer file from the Kramer Website (<u>www. kramerav.</u> <u>com/support/download. asp?f=50898&pname=via%20nfc%20writer</u>) and install it on your Android device.

- 2. Open VIA NFC Writer. The Home screen appears.
- 3. Type the room name that you want to program and click Write tag.
- 4. When prompted, touch the Android device to the writable tag.A message appears, confirming that the tag was successfully written.

### Logging in Using the NFC Tag

The **Kramer VIA** app must be installed on your device to log in using the NFC tag (see <u>For</u> <u>User: Running Kramer VIA App</u> on page <u>64</u>).

To log in to a VIA meeting using the NFC tag:

- 1. Enable the NFC feature on your Android device.
- Touch the Android device to the tag.
   You are automatically logged into VIA Connect PRO. The room code is bypassed.

The VIA Dashboard and taskbar appear on your device screen (Figure 61).

# **Mirroring Your Device Screen**

VIA Connect PRO enables you to mirror your device screen on the main display using either Kramer VIA app.

The Present feature can be used to present static images or video. However, for highresolution video, we recommend using the Multimedia streaming feature (see <u>Streaming</u> <u>Through Kramer VIA App</u> on page <u>84</u>).

Mirror your device screen on the main display using one of the following methods:

• Mirroring Laptops and Android Mobile Devices Using Kramer VIA on page 71.

You can also use the following features when mirroring via Kramer VIA app:

- Mirroring with Extended Desktop on page 75.
- <u>Mirroring Without Being Interrupted</u> on page <u>75</u>.

# Mirroring Laptops and Android Mobile Devices Using Kramer VIA

Laptops and Android mobile devices must have the **Kramer VIA** app installed to mirror their screen. Your mobile device must support Android version 5. 1 as a minimum. The latest Android OS version is recommended.



Android mirroring does not support audio. Audio is heard from your device and not from the output of the VIA device.

To mirror your Laptop or Android device screen using Kramer VIA:

- 1. Connect your laptop or Android device to the network that VIA Connect PRO is connected to.
- 2. Log in to Kramer VIA (see Logging In to a VIA Meeting on page 66)
- 3. Click Present.

A confirmation message appears (Android only).



Figure 63: Presenting (Mirroring) Confirmation Message

- Click START NOW to confirm. Mirroring starts, and your screen appears on the main display.
- Minimize Kramer VIA app by clicking the minimize icon on the window or by clicking the Home button of your Android device and open any content on your device to share it on the main display.

To stop mirroring your screen, re-open Kramer VIA app and click Stop Presenting.

To pause mirroring (continue to display your screen but stop updating it on the main display), click the pause button to the left of the Stop Presenting button.



Figure 64: Pause Presenting Button

# **Mirroring with Extended Desktop**

**VIA Connect PRO** enables users to use the main display as an extension of their device desktop to present content. The user's primary screen is not mirrored, allowing the user to keep their notes private on their laptop while mirroring.



This feature is available on Windows only and only after installation of the required drivers. When using this feature for the first time, the system asks you to install the drivers. Please accept and follow the on-screen instructions. Once the drivers are installed, reboot your PC to enable the feature.

To mirror with the Extended Desktop feature:

- Click the VIA icon in your computer taskbar. The taskbar menu appears (<u>Figure 78</u>).
- 2. From the taskbar menu, select **Display > Secondary**.
- 3. Drag content up and past the top of your screen. The content is displayed on the main display.

## **Mirroring Without Being Interrupted**

VIA Connect PRO enables you to mirror content on the main display while preventing other participants from mirroring.



To use the Do Not Disturb feature, it must first be enabled by the Web Administrator using the embedded web pages (see <u>Activating Do Not Disturb Mirroring Feature</u> on page <u>34</u>).

To mirror without being interrupted:

- 1. Become the meeting moderator (see <u>Becoming Meeting Moderator</u> on page <u>94</u>).
- 2. On the VIA dashboard, click **Present**. You are presenting.



Figure 69: User Dashboard with Do Not Disturb Deactivated

3. Click the gray icon to the right of the Stop Presenting icon.

The icon turns yellow and you enter Do Not Disturb mode.



Figure 70: User Dashboard with Do Not Disturb Activated

You have full access to all features. The other participants see a modified user dashboard that only allows access to the Participants list. Other icons are disabled.

4. Click the yellow icon.

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Do Not Disturb is deactivated and the other participants return to full functionality.

# **Collaborating on Main Display**

**VIA Connect PRO** provides state-of-the-art collaboration functionality, enabling meeting participants to interact with content displayed on the main display, annotate shared content, take control of another participants computer and more. It enables up to 254 meeting participants to collaborate – utilizing a compatible external wireless network.

## **Interacting with Main Display**

**VIA Connect PRO** enables participants to interact with the main display as if it were a part of their own device screen, using their own mouse, keyboard and touch screen.

Features Features Files Fil

To interact with the main display for a device with a mouse and keyboard:

Figure 71: VIA Dashboard – Features > Start Collaboration

1. On the VIA dashboard, click Features > Start Collaboration.

A red check appears and the icon changes to Stop Collaboration.



Figure 72: Stop Collaboration in the Dashboard Features

A floating Stop Collaboration icon also appears in the upper right corner of your screen.



Figure 73: Floating Stop Collaboration Icon

Click and drag the floating Stop Collaboration icon to another location on your screen, if necessary.





Move your cursor past the top of your device screen.
 Your cursor appears on the main display with your nickname next to it.

Figure 74: Collaboration Cursor on the Main Display

- 3. Use your cursor as a pointer or operate any of the features from the main display dashboard and use your keyboard to type text on the main display, when necessary.
- 4. To use your cursor to control your own device, move your cursor past the bottom of the main display until it appears on your device screen.

To interact with the main display for a device with a touch screen:

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For laptops with touchscreens, you must enable the touch screen for collaboration (see <u>Enabling Touch Screen Collaboration</u> on page <u>82</u>).

 On the VIA dashboard (<u>Figure 72</u>), click Features > Start Collaboration. A virtual touchpad appears on your device screen.



Figure 75: Virtual Touchpad

- 2. Use the top section of the touchpad to move the mouse.
- 3. Tap the bottom right and bottom left sections for right-click and left-click.
- Tap the yellow Lock button to lock the left-click in pressed position and move the cursor using the top section of the touchpad for dragging or selecting. The left-click button turns red and remains locked until you remove your finger from the touchpad.

To stop collaborating:

- For a laptop: Click **Stop Collaboration** in the dashboard Features or the floating icon. Collaboration stops and your cursor disappears from the main display or the virtual touchpad disappears from your screen (when using a touchscreen).
- For a mobile device: Click your device's **Features** button. Collaboration stops and the virtual touchpad disappears from your screen.

## **Using Whiteboard Feature**

**VIA Connect PRO** enables you to use a virtual whiteboard on the main display. Multiple participants can use the whiteboard simultaneously to draw, present images, and annotate content.

Starting the Whiteboard Feature

To start the Whiteboard feature:

• On the VIA dashboard, click Features > Whiteboard. A whiteboard session starts on the main display.

#### Joining a Whiteboard Session

**VIA Connect PRO** enables any meeting participant to join a whiteboard session via their own device and contribute by using the whiteboard tools. Multiple users can simultaneously interact with the whiteboard content on the main display.

To join a Whiteboard session:

- On the VIA dashboard, click Features > Whiteboard. The whiteboard appears on the main screen and your Collaboration feature starts.
- 2. Drag the cursor past the top of your screen to the main display
- 3. Start annotating with the whiteboard tools.

#### Whiteboard Tools



#### Figure 76: Whiteboard Toolbar

Icon	Action
Pen	Draw on the whiteboard. Click icon corner to select pen color and thickness.
Eraser	Erase annotations. Click icon corner to select eraser thickness and to erase the entire whiteboard.
Capture Area	Select an area and paste in onto the current whiteboard page or a new page.
Arrow	Select, drag, resize an annotation, image or text box.
Text	Add a text box. Click the lower right corner to select the font.
Font	Format the currently selected text box.
Shapes	Draw a line, rectangle, or circle. Click the lower right corner to select the shape, color and line thickness.
Highlighter	Highlight text or objects on the whiteboard in yellow.

lcon	Action
Create	Type notes that are attached to the current whiteboard page.
Notes	
Keyboard	Open a virtual keyboard to insert text into a text box.
New Page	Create a new whiteboard page.
Current	Shows the number of the currently displayed page. Click the lower right corner to move to the
Page	previous or next page.
Save	Save all your whiteboard pages in PDF or JPEG format.
Show	Displays the main display with all running applications. The user can also annotate any
desktop	content on the main display and add it to a whiteboard page (see <u>Show Desktop</u> on page <u>81</u> ).
Close	Close the Whiteboard.

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The whiteboard toolbar can be moved to the bottom (and back to top) of the display by clicking the small arrows on the right side of the toolbar

#### Show Desktop

Show Desktop allows you to hide the whiteboard and to navigate freely on the VIA desktop. A toolbar is available for making annotations on the VIA desktop and capturing an object. For example, capture an area of the screen and add it as an object in the current Whiteboard page.

lcon	Name	Action
	Pencil	Draw on the whiteboard. Click the lower right corner to change the color and the line thickness.
°€≱_	Shapes	Draw a line, rectangle, or circle. Click the lower right corner to select the shape, color and line thickness.
	Eraser	Erases what you have drawn on the whiteboard. Click the lower right corner to change the eraser thickness.
_	Highlighter	Highlight text or objects on the main display in yellow.
. 🗙	Selection	Select and move an object.
$\mathbf{O}$	Window Capture	Capture a screenshot of the active window.
Ж	Area Capture	Click and drag the mouse to capture a rectangular screenshot.
	Save	Save your activity in either. jpg or. pdf format
Ø	Show/Hide	Show/Hide annotations.
2.	Whiteboard	Switch to full screen whiteboard mode.
-	Exit	Exit the whiteboard.

## **Enabling Control**

**VIA Connect PRO** enables the admin to take control of a participant's computer (Windows or Mac OS). (In our example, Figure 77, user Dave has stepped in and the Admin has taken control of Dave):

The admin can work on Dave's system as he has taken control. (Admin can play media or work on a document or presentation file collaboratively with Dave).

Any other participant who wants to take control or collaborate with Dave's system can click the Start Collaboration icon and drag his laptop mouse to the top and off their local screen. That cursor now moves to the **VIA Connect PRO** unit and appears on the main display of Dave. Buttons are shown in the picture below:



Figure 77: Enable Control

## **Enabling Touch Screen Collaboration**

**VIA Connect PRO** enables you to use the touchscreen on your laptop for collaboration (see <u>Collaborating on Main Display</u> on page <u>77</u>).

To enable laptop touch screen collaboration:

1. Click the VIA icon in your computer taskbar.

The taskbar menu appears.



Figure 78: Kramer VIA Taskbar Menu

### 2. Click Settings.

The Client Preferences screen appears.



Figure 79: Client Preferences Screen

3. Select the **Use touch screen for collaboration** checkbox. Touch screen collaboration is enabled.

## **Collaboration Scenario**

For simplicity, a scenario with only two users is described in the description below.

In the following scenario:

- User #1 is showing content from their device.
- User #2 is collaborating with User #1's content.

The scenario proceeds as follows:

- 1. Collaboration begins when User #1 presents content on the main display.
- 2. With content being shown, User #1 then selects **Enable Control** from the dashboard Features. At this point, all connected users have full control of User #1's computer.
- 3. Once Enable Control is selected, a red check mark appears on the upper-right of the icon.



Figure 80: Enable Control Icon with Check



At any time, User #1 can click Enable Control again to stop other users from controlling their computer.

4. User #2, who can now see User #1's content on the main display, clicks **Start Collaboration** from the dashboard Features.



Figure 81: Clicking Start Collaboration

- User #2 moves her cursor to the top of their own screen (as if VIA's main display was an extended desktop) onto the main display.
   An additional cursor with User #2's nickname and a unique color appears on the screen.
- 6. At this point, User #2 can access and make changes to the content displayed from User #1's computer.



User #2 has complete access to User #1's computer, even beyond the content currently being displayed.

- Once the collaborative session has ended, User #1 saves the content to his hard drive. If desired, User #1 can use the dashboard File Transfer feature to share the edited document with all participants.
- 8. User #1 now clicks the Enable Control icon, denying access for other participants to control or modify his content or device.

# **Streaming Video**

**VIA Connect PRO** provides the following options for streaming video from your device to the main display:

- <u>Streaming Through Kramer VIA App</u> on page <u>84</u>.
- <u>RTSP Streaming Through VLC</u> on page <u>86</u>.
- <u>RTP Streaming Through VLC</u> on page <u>90</u>.

## **Streaming Through Kramer VIA App**

**VIA Connect PRO** enables users to stream video to the main display at a full HD 1080p/60fps rate. The video is obtained from the client device without being transferred to **VIA Connect PRO**.



**VIA Connect PRO** features a 10Mbps maximum video bitrate for 30fps or 60fps videos and handles video files of up to 8GB.



The default encoding format is H.264. If your device operating system does not support H.264 encoding, enable JPEG encoding (see <u>Defining Encoding Format</u> on page <u>103</u>).

Stream video from your device to VIA Connect PRO using one of the following methods:

Streaming a Media File Using the Multimedia Feature:

- Click Multimedia in the features menu of your VIA dashboard (<u>Figure 61</u>). The Multimedia player window appears.
- 2. Click Add Media.

A system file browser appears.

- 3. Select the relevant video file and click **Open**. The file appears in the My Media table.
- 4. Double-click the media file in the table or click the play button. The video plays on the main display.

Dragging and Dropping Media to the VIA Dashboard Logo:

Drag a media file from your device to the small VIA logo on the upper left of your VIA dashboard (Figure 61).

The video plays on the main display.



The video must be dragged directly onto the logo, not to the left, right, below or above the logo.

#### Streaming from YouTube:

 Click **YouTube** in the features menu of your VIA dashboard (<u>Figure 61</u>). The YouTube player window appears.



Figure 82: YouTube Player Window

2. In the URL Name field, enter a name for the video.

- 3. In the URL Path field, enter the web address for the YouTube video. The name and path of the URL are added to the table above.
- 4. Click the URL in the table or the play button. The video plays on the main display.
- When showing videos through the **Kramer VIA** app, the video is not transferred from your device to the VIA unit. All videos are encoded directly on your device through the app and then streamed from your device to the VIA unit. The VIA unit then decodes the streamed file for playback.
- Video files can also be shared from your device to the main display by using a native media player such as QuickTime and/or Windows Media Player and the Present feature (see <u>Mirroring Your Device Screen</u> on page <u>71</u>). However, when using this method, you may experience lower frame rates, inconsistent playback and increased latency, depending on your laptop system performance.

# **RTSP Streaming Through VLC**

The Real Time Streaming Protocol (RTSP) is a network control protocol designed for use in entertainment and communications systems to control streaming media servers. The protocol establishes and controls media sessions between end points. Clients of media servers issue commands like play and pause, to facilitate real-time control of playback of media files from the server.

VIA Connect PRO supports RTSP. Media played locally on a computer can be streamed on VIA Connect PRO, provided the computer and VIA Connect PRO are on connected networks.

To Configure RTSP Streaming using VLC Media Player:

1. Open VLC Media Player.



Figure 83: VLC Media Menu

### 2. Click Media > Stream.

The Open Media window appears.

🚊 Open Media		? 🔀
File ODisc	Network 📑 Capture De	evice
File Selection You can select local file	s with the following list and button	ns.
C.Y	Fa	ashionShow2009-1 Add Remove
Use a subtitle file		Browse
Show more options		Stream 🔻 Cancel

Figure 84: Open Media Window

3. Click **Add** and select a file to stream and click **Stream**. The Stream Output/Source window appears.

ream or	utput		
rce et up me	dia sources to stream		
This wizar You shoul	rd will allow you to stream or Id start by checking that sour	r convert your media for use locally, on your private network, or on the Internet. Irce matches what you want your input to be and then press the "Next" button to continue.	
Source	fla:///C.	EschionShow2009-1090nHDTV may	
Source: Type:	file:///C:	ashionShow2009-1080pHDTV.mkv	
Source: Type:	file:///C: file	<sup>-</sup> ashionShow2009-1080pHDTV.mkv	
Source: Type:	file:///C: file	FashionShow2009-1080pHDTV.mkv	

Figure 85: Stream Output/Source Window

### 4. Click Next.

The Stream Output/Destination Setup window appears.

lect destinations to stream to	
•	
Add destinations following the stream method used.	ng methods you need. Be sure to check with transcoding that the format is compatible with the
Add destinations following the stream method used.	ing methods you need. Be sure to check with transcoding that the format is compatible with the
Add destinations following the stream method used. New destination	Ing methods you need. Be sure to check with transcoding that the format is compatible with the

Figure 86: Stream Output/Destination Setup Window

5. Select RTSP from the New Destination drop down and click **Add**. The RTSP tab appears.

🛓 Stream	Output			? 🗙
Destinati Select d	on Setup estinations to stream to			
4	RTSP 🔀			
This n	nodule outputs the transcoded str	eam to a network via RTSP.		
Port	8554 荣			
Path	/VIAStream			
			< Back Next >	Cancel

Figure 87: Stream Output/Destination Setup RTSP Tab

6. Type a short name to be used as a Path and click **Next**. The Stream Output/Transcoding Options window appears.

Video - H. 264 + MP3 (MP4)		- 🔊 🛛	
	Back	Next	Cancel
	(Video - H. 264 + MP3 (MP4)	Video - H. 264 + MP3 (MP4) Back	Video - H. 264 + MP3 (MP4) <ul> <li>Back</li> <li>Next</li> <li> </li></ul>

Figure 88: Stream Output/ Transcoding Options Window

7. Clear the Activate Transcoding checkbox and click **Next**. The Stream Output/Option Setup window appears.

💄 Stream Output				? 🗙
Option Setup Set up any addition	nal options for streaming			
Miscellaneous Op	tions			
Stream all ele	ementary streams			
Generated strea	m output string			
:sout=#rtp{sdp	=rtsp://:8554/VIAStream}	:sout-all :sout-keep		
			< Back Stream	m Cancel

Figure 89: Stream Output/Option Setup Window

8. Select Stream all elementary streams and click Stream.

 On the VIA dashboard, click Features > Multimedia > Streaming Player. The Streaming Player appears.

Multimed	Jia	Present			Participants	× -
u(1)	M 44	• •	11 1		M	
		Currently Playin	g File:			
My Media Nar	Streamin	g Player		Path		
URL Name	MyVideoSt	ream_1				
URL Path	rtsp://10.0	.1.9:8554/VIAS	Stream			
		Add Med	ia		Delete Media	

Figure 90: Streaming Player Screen

- 10. Type a URL name in the following format: rtsp://<local computer IP address>:8554/<name mentioned in step 6>.
- 11. Click Add Media.
- 12. Select RTSP stream and click the play button to stream this media on VIA Connect PRO.

## **RTP Streaming Through VLC**

The Real-time Transport Protocol (RTP) is a network protocol for delivering audio and video over IP networks. RTP is used extensively in communication and entertainment systems that involve streaming media, such as telephony, video teleconference applications, television services and Web-based push-to-talk features.

VIA Connect PRO supports RTP. Media can stream on a VIA Connect PRO unit, provided the computer and VIA Connect PRO are on connected networks.

To stream RTP using VLC:

- 1. Open VLC.
- 2. Click Media > Stream.

- 3. Click Add and select a file to stream and click Stream.
- 4. Click **Next** on the next screen.
- 5. Choose RTP/MPEG Transport Stream from the New Destination drop down and click **Add**.
- 6. Enter VIA Connect PRO unit's IP address and click Stream.
- 7. Open VIA Connect PRO client and click Features > Multimedia > Streaming Player.
- 8. Type a name as the URL name.
- 9. The URL path takes the form: Rtp: //<VIA Connect PRO IP address>:5004.
- 10. Click Add Media.
- Select the RTSP stream and click the play button to stream this media on VIA Connect PRO.

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If a URL is already resent in the streaming list above, VIA client generates a warning for both modes - RTP and RTSP.

# **Communicating with Participants**

**VIA Connect PRO** enables you to communicate with participants through chat, file sharing and becoming moderator of the meeting.

### **Chatting with Participants**

VIA Connect PRO enables you to exchange text messages with other meeting participants.

To chat with another meeting participant:

 Click **Participants** on the **Kramer VIA** app dashboard. The Participants list appears.



Figure 91: Kramer VIA app Dashboard Participants List

If there is a meeting moderator with enable/disable chat access (see <u>Configuring Moderator</u> <u>Mode</u> on page <u>26</u>), verify that Chat is selected in the upper right corner of the Participants list.

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- 2. Click the chat icon **for** the desired participant. The chat window appears.
- 3. Type your message at the bottom of the window and click **SEND**.

 $\widehat{\mathbf{\cdot}}$ PARTICIPANTS dave Hello jim Hello Dave! What a great meeting session!

The selected participant receives your message.

Figure 92: Chat Window

You can check for active chat sessions by clicking Features > 🚾 .

## **Sharing Files**

VIA Connect PRO enables you to share files from your device or from the VIA Cloud (see Managing VIA Cloud Files on page 93) with other meeting participants.

Sharing Files from Your Device

To share a file from your device:

- 1. On the VIA Dashboard, click **Participants** or click the **File Transfer** feature icon. The Participants list opens.
- 2. Click the file transfer icon for the desired participant with whom you wish to share a file.

A file browser appears.

3. Select the relevant file.

A progress bar appears showing the file transfer progress as it is saved to the VIA Cloud.



Figure 93: Admin File Sharing

4. The target participant receives notification of the shared file and selects a location to save the file.

The file is transferred and saved on the receiving participant's device.

	Ŷ	- 🤐 ×
Features	Present	Participants
From: viaadmin		Cancel All
File Name: Lego.mov		
<b>52%</b>		Save Cancel
Total Size: 199.38 MB	Current Size: 1	.04.19 MB

Figure 94: User File Sharing

The receiving participant can view and cancel a file that is in the process of being transferred by clicking the File Transfer icon on the Dashboard.

**Sharing Files from the VIA Cloud** 

VIA Connect PRO enables you to share files from the VIA Cloud (see <u>Managing VIA Cloud</u> <u>Files</u> on page <u>93</u>) with other meeting participants.

To share files from the VIA Cloud:

1. On the Dashboard, click **Features > Files**.

A dialog box appears.

- 2. Select one of the following options.
- Share the file just to VIA Opens it locally on VIA Connect PRO to view and edit (only for PNG and PDF files)
- Share the selected file with all connected participants.

#### **Managing VIA Cloud Files**

**VIA Connect PRO** enables you to save files to a central directory so that they can be accessed by and shared among participants in a VIA meeting. This directory is referred to as the VIA Cloud and is located in the **VIA Connect PRO** internal memory.

To manage VIA Cloud files:

• On the Dashboard, click the Files feature icon.

The VIA Cloud window appears.

ud					
÷	Wednesday, Dece014	Folder			
28_07_2016_14_14_04.pdf	Thursday, July4 AM	PDF	2.30 KB	1	1
📄 menu.png	Sunday, Augus8:35	PNG	82.52 KB	1	
test5.png	Wednesday, July9 PM	PNG	89.24 KB	1	
test6.png	Wednesday. July4 PM	PNG	102.88 KB	-	
📄 test7.pdf	Wednesday. July 0 PM	PDF	138.79 KB		
test8_1.png	Wednesday. July9 PM	PNG	244.62 KB	1	
test8_2.png	Wednesday. July0 PM	PNG	81.91 KB	-	1
test8_2.txt	Wednesday. July 0 PM	TXT	14 Bytes	-	1
- Madified Wednesday December 17, 2	01412.20.45.0	MIDT			Clean Direct
e Mouned :wednesday, December 17, 2 ler	12:29:45 P	MIDT			

Figure 95: Shared Files on the Cloud

- To delete a single file from the VIA Cloud directory, click the delete icon and confirm the permanent deletion warning message.
- To delete all files from the VIA Cloud directory, click **Clean Directory** and confirm the permanent deletion warning message.

## **Becoming Meeting Moderator**

VIA Connect PRO enables any authorized meeting participant to become a moderator (see <u>Configuring Moderator Mode</u> on page <u>26</u>). A meeting moderator has control over certain VIA functions that affect other participants, such as:

- <u>Streaming Video</u> on page <u>84</u>.
- <u>Disabling Chat</u> on page <u>95</u>.
- Showing Participant Screen on Main Display on page <u>96</u>.



Moderator Mode must be activated to enable becoming a Moderator during a meeting (see <u>Configuring Moderator Mode</u> on page <u>26</u>).

#### To become the meeting moderator:

1. Click Participants on the Dashboard.

The Participants tab appears.



Figure 96: VIA Dashboard Participants Tab with Basic Moderator Mode Activated

- 2. Click Become Moderator.
- 3. When Basic Moderator Mode is active, type the password and click **Apply**. You are now the moderator.



To stop being the moderator, click Leave Moderation.

#### **Disabling Chat**

**VIA Connect PRO** enables the moderator of a meeting to disable the chat feature during a meeting.



To enable the Chat checkbox, see Configuring Moderator Mode on page 26).

To disable chat:

1. Become the moderator of the meeting (see <u>Becoming Meeting Moderator</u> on page <u>94</u>).



Figure 97: Kramer VIA app Dashboard participant's list

2. Clear the **Chat** checkbox at the top of the Participants list. Chat is disabled. Showing Participant Screen on Main Display

The moderator of a meeting can push a participant's screen onto the main display by clicking the Display Status icon of the participant in the Participant tab of the dashboard.

To show a participant screen on the main display:

- 1. Become the moderator of the meeting (see <u>Becoming Meeting Moderator</u> on page <u>94</u>).
- 2. In the Participants list, click the icon in the Display Status column of the relevant participant.

The selected participant's screen is mirrored on the main display.

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To add a message that enables the participant to either approve or deny permission to present their screen (see <u>Configuring Moderator Mode</u> on page <u>26</u>).



Figure 98: Participant's Screen with Presentation Request Confirmation Message

#### Allowing a Participant to Mirror on Main Display

The moderator of a meeting must give permission to any meeting participant who wants to mirror their screen on the main display.

To allow a participant to mirror on the main display:

1. The participant clicks Present.

**VIA Connect PRO** sends a presentation request to the moderator. A preview of the participant's screen is displayed (for MAC/Windows users) to help the moderator accept or deny the request:



2. The moderator clicks **Allow full screen** or **Allow (Auto Position**). The participant's presentation appears on the main display. The participant receives the following message and their screen is mirrored on the main display



The moderator can present at any time without permission.

# **Mirroring Main Display on Your Device**

**VIA Connect PRO** enables you to mirror a live view of the main display on your device to obtain a closer look at the presentation and to add personal annotations to the content being presented.



You must stop presenting and/or streaming video to start the View Main Display feature.

View Main Display is designed for visual reinforcement and is displayed at a reduced frame rate in an effort to reduce bandwidth usage.

To mirror the main display on your device:

 Click the View Main Display icon on the Features menu of the VIA user dashboard (Figure 61).

A new window with a live representation of the main display and a toolbar (on the bottom for mobile devices or the left for laptops) appear on your screen.



Figure 99: View Main Display Window on a Laptop

- 2. Zoom in and out of the image using one of the following methods:
  - On touchscreens: Pinch the screen.
  - On PCs & Macs: Click the +/- magnification icons in the upper right corner of your View Main Display window.
- 3. Use the tool bar to perform the following basic whiteboarding activities:

- Draw, erase, add notes and save the file.
- Select color options.
- Create annotations that allow the user to take notes locally on their device without appearing on the presentation.

#### 4. Click the Switch Annotation icon.

VIA saves your current screen and now, all annotations that you make appear on the main display.



Saved image captures are available under the Multimedia section of the VIA dashboard under "Documents".

### 5. Click the **Switch Annotation** icon again.

VIA saves your current screen and all annotations that you make appear only on your screen.

To exit View Main Display:

 Click the View Main Display icon on the Features menu of the VIA Dashboard OR

close the View Main Display window.

# **Managing Room Names**

**Kramer VIA** app provides a Room List Manager that enables you to manage all your room names and create shortcuts on your device to any room in the list. Room names are the IP addresses used by the VIA devices in your network. Room names are automatically saved whenever you log in. The room list can also be populated from the VSM (VIA Site Management) server or from a text (. txt) file containing room names.

## **Accessing Room List Manager**

To access the Room List Manager:

 Click the location icon to the right of the Room Name field on the VIA login window (Figure 59).

The Room List Manager window appears.

VA Room List Manager	×
VSM Server Address	Get List
Room List File (.txt file only) Import ?	
Search Room Name	
Room name	•
10.0.1.2	
10.0.1.3	0
10.0.1.4	
10.0.1.5	
Create Shortcut Delete selected	Save and Update

Figure 100: Room List Manager Window

## Populating Room List Manager from VSM Server

**VIA Connect PRO** enables you to automatically populate the room list from the VSM server. Windows and MAC users can populate the room list without having to type the VSM server address.

To populate the room list from the VSM server for Windows and MAC users:

• In the Room List Manager window, start type the Room Name you want to connect to. All room names on the VSM server appear on the room list. To populate the room list from the VSM for other device users:

- 1. In the Room List Manager window, type the VSM server address in the field at the top of the Room List Manager window.
- 2. Click Get List.

The Room List is populated from the VSM server.

## **Populating Room List Manager from a Plain Text File**

To populate the room list from a plain text file:

1. Create a plain text file with a list of IP addresses separated by a line break.

• • •	VIA room list ~	
10.0.1.3 10.0.1.4		
10.0.1.5 10.0.1.6		

Figure 101: Plain Text Room List File

2. In the Room List Manager window, click **Import** and open the plain text file. The addresses in the text file appear in the Room name list.

## **Renaming a Room**

To rename a room:

 Click a room name in the Room List Manager list. A text box appears.

Room name		
10.0.1.2		
10.0.1.3	Room 101	-
10.0.1.4	OK Cancel	
10.0.1.5		

Figure 102: Rename Room Text Box

Type a new name for the room and click **OK**.
 The room IP address appears in the list under the new name.

## **Creating a Room Shortcut**

To create a room shortcut:

 Select the checkbox next to the relevant room name in the Room List Manager list and click Create Shortcut.

A file browser window appears.