MODEL:

VIA Collage
Collaboration Hub

(For Firmware Version 1.5)

P/N: 2900-300403 Rev 1B
VIA COLLAGE QUICK START GUIDE

For Installer

This guide helps you install and use your product for the first time. For more detailed information, go to https://bit.ly/Kramer-VIA-collaboration-hub to download the latest manual or scan the QR code above.

**STEP 1: Check What’s in the Box**

1. VIA Collage Collaboration Device
2. Power supply (19V DC) with power cords
3. Quick Start Guide
4. DP to HDMI Adapter

**STEP 2: Install the VIA Collage**

Place the VIA Collage on a table or mount in a rack with optional adapter RK-COLLAGE.

**STEP 3: Inputs and Outputs at a Glance**

Always switch off the power on each device before connecting it to your VIA Collage.

Always use Kramer high-performance cables for connecting AV equipment to the VIA Collage.
**STEP 4: Connect the Unit**

- Connect keyboard and mouse
- Connect your main display (dual displays are optional)
- Connect a Local Area Network (LAN) cable for connection to your network or use a router for connection to Wi-Fi
- Connect the power supply
- Turn on the device

**STEP 5: Configure VIA Collage**

Open the **VIA Collage** menu and click on Features, then on Settings.
Enter password: viaadmin.
The Settings Menu tabs are:

- LAN Settings – Configure your network parameters and apply settings
- Room Name/Code – Manage room code and name preferences
- Configurations – Activate/deactivate PIP, media mode and other options
- System Controls – Manage your display and audio settings, run control panel, etc.
- Wallpaper – Insert a custom wallpaper image
- Third Party Apps – Install/remove third party software applications
- Authentication – Activate presentation mode and define moderator/participant settings
- Streaming Server – Configure your IP streaming server address

After settings are defined, click on reboot button to apply all settings.
For more details, read the Settings section in the user manual.
VIA COLLAGE QUICK START GUIDE

For User

**STEP 1: Connect Your Device to the Proper Network**

Connect your device to the same network used by Kramer VIA Collage in the specific meeting room (either Wi-Fi or LAN).

**STEP 2: Run or Download the Application**

**MAC or PC**

1. Navigate to the embedded Web page of VIA Collage by entering the Room Name of the VIA into your computer’s browser.

2. Select **Virtual Run** to execute the application only (intended for guests who will be using the VIA once) or select **VIA Installer** to install the VIA application on your computer (intended for regular users of the VIA).

**iOS / Android**

1. Download and install the free VIA App from Apple’s App Store or Google’s Play Store. Use the QR code above.

**STEP 3: Login**

Room Name: Copy the room name as appears in the wallpaper (IP Address).

Nickname: Enter a name for your device.

Room Code: Enter a 4-digit code as it appears in the wallpaper.

Login: Press Login to join the meeting.
STEP 4: Main Menu

Click on Step-in™ to put your screen up front and on Participants to see who else is connected.

STEP 5: Features

Wireless Connection
Bring your own device (BYOD) and join the session through wireless connection. No dongle is needed.

MultiMedia
Share smooth full motion video (up to 1080p/60), MP3 files, and photos.

Cloud
Drag and drop files to the cloud to share instantly with everyone in the meeting.

File Transfer
Share a file with one or several collaborators.

Whiteboard
Create, annotate, illustrate, review or highlight the current display.

Start Collaboration
Click to collaborate through a common display, using your own device. Multiple users can interact and control what’s happening on the main display at the same time.

Enable Control
Give a participant control over the presenter’s MAC® or PC laptops.

Chat
Send a message to a colleague in the meeting.

Web Browser
Open a browser for presenting any content directly from a website.

View Main Display
View the main screen on your own device.

Third Party Apps
Supports office applications and conferencing programs such as Skype®, WebEx®, Go To Meeting®, Lync® and more.

HDMI Input 1
Connect any external HDMI source (camera, DVD, Blu-ray™) and present it over the main screen.
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<td>37</td>
<td>iPhone</td>
<td>48</td>
</tr>
<tr>
<td>38</td>
<td>PC</td>
<td>49</td>
</tr>
</tbody>
</table>
Welcome to VIA Collage!

VIA Collage is Kramer’s unique, powerful wireless presentation and collaboration hub. It converts any display at any location into an interactive meeting point, and it works with a wide range of presentation devices from desktop and notebook computers to tablets and smartphones.

Each participant in a VIA Collage session can quickly view, edit, annotate, comment, and share content with other participants. Participants can share their ideas through the primary screen, or break off with others into smaller groups during a meeting.

The VIA Collage integrates seamlessly with any organization’s current IT infrastructure, converting any projector or screen into a networked device that users can share and view on their current devices. Every local connection to VIA Collage is wireless, free of dongles, cables, and other compatibility peripherals.

Key features of VIA Collage:

- Login using conventional Wi-Fi or LAN connections, no dongle needed
- Provides true HD 1080p/60 video streaming
- Supports Windows laptops and MAC®, as well as iOS and Android mobile operating systems
- Compatible with all common Web browsers
- Up to 255 users can be logged in simultaneously
- Up to 12 participant screens can be displayed simultaneously on dual screens (six on each screen).
- Supports popular third-party conferencing programs
- Touchscreen compatible with whiteboard and full annotation controls
1.1 Applications & Features

Present, share, chat, send and receive files, hold sidebar conversations, annotate, edit, and save copies of all your work, just as you would with a whiteboard or flip chart…except that you can do it all from your notebook computer, tablet, and smartphone.

Here are just a few of the things you can do with VIA Collage:

Up to six different participant screens can be shown at the same time. VIA Collage automatically sizes each screen to the maximum available resolution, displaying tiles for two or more screens. Finished sharing? Tap Step-out to disconnect.

Chat and Share a file: Need to ask a meeting participant a question? Click on their screen name and send them a text message with complete privacy. Windows and Mac PC users can also share files between themselves or the main presenter, all at the click of a mouse.

Control a participant’s computer: Need to access files or play back a presentation from a participant’s PC? Simply click Enable Control on the PC, and its cursor can be controlled remotely to launch programs and play media.

Multimedia: Sometimes it’s just easier to explain your ideas with a video. Simply click the Multimedia tab on your device’s screen and you can load and display JPEG images (all operating systems) and play MP4 videos (Windows and Mac PCs and iOS devices only). You can also display and share PDFs from any logged-in device.

1.2 VIA Collage Controls and Connections

This section defines VIA Collage.
Figure 1: VIA Collage Collaboration Hub

<table>
<thead>
<tr>
<th>#</th>
<th>Feature</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power Button</td>
<td>For turning the machine on and off</td>
</tr>
<tr>
<td>2</td>
<td>USB Connector</td>
<td>For upgrading firmware or connecting a USB device</td>
</tr>
<tr>
<td>3</td>
<td>RS-232 Connector</td>
<td>Not in use</td>
</tr>
<tr>
<td>4</td>
<td>VIDEO IN HDMI-IN Connector</td>
<td>Connects to an HDMI source</td>
</tr>
<tr>
<td>5</td>
<td>AV – IN RS-232 Connector</td>
<td>Not in use</td>
</tr>
<tr>
<td>6</td>
<td>DC IN 19V Connector</td>
<td>Connects to the 19V DC power supply</td>
</tr>
<tr>
<td>7</td>
<td>iAMT RJ-45 Connector</td>
<td>Not in use</td>
</tr>
<tr>
<td>8</td>
<td>LAN RJ-45 Connector</td>
<td>Connects to a wireless router</td>
</tr>
<tr>
<td>9</td>
<td>DISPLAY OUT DP Connector</td>
<td>Connects to a DisplayPort display</td>
</tr>
<tr>
<td>10</td>
<td>DISPLAY OUT HDMI Connector</td>
<td>Connects to an HDMI display</td>
</tr>
<tr>
<td>11</td>
<td>USB 3.0 Connectors</td>
<td>Connect to up to four USB devices</td>
</tr>
<tr>
<td>12</td>
<td>AUDIO LINE OUT 3.5mm Mini Jack</td>
<td>Connects to an unbalanced stereo audio acceptor</td>
</tr>
<tr>
<td>13</td>
<td>MIC IN 3.5mm Mini Jack</td>
<td>Connects to a microphone</td>
</tr>
<tr>
<td>14</td>
<td>Lock Opening</td>
<td>Connects to a security locking cable</td>
</tr>
</tbody>
</table>
2 Setting Up VIA Collage

Always switch off the power to each device before connecting it to your VIA Collage. After connecting VIA Collage, connect its power and then switch on the power to each device.

To connect the VIA Collage as illustrated in the example in Figure 2 you need:

- A VIA Collage Wireless Collaboration Hub
- A display (projector, monitor, or screen). NOTE: A touchscreen display is best for annotation
- A Local Area Network (LAN) cable for connection to your network. For wireless network connectivity, use a commercial wireless router

The following client devices can be used with Kramer’s VIA collaboration hub:

- A Windows 7/8® (32-bit/64-bit) computer
- A Macintosh® computer, using OSX 10.6.5 or newer (version 10.6.8 recommended)
- An iPad/iPhone® tablet/smartphone with the VIA Collage app installed (iPad 2 or later, iOS 5 or later, iOS 6.0 recommended)
- An Android® OS 3.2 tablet/smartphone with the VIA Collage app installed

These optional add-ons can enhance your VIA Collage system:

- A USB or HDMI camera for distant participants connecting through Lync®, Skype®, GoToMeeting®, or WebEx®
- A conferencing speakerphone for remote communication as well as audio playback of content being shared on the display
- A Kramer SID-X3N 4-input multi-format video-over-HDMI transmitter & step-in commander can also be used to expand the number of local video sources through the VIA Collage HDMI input.
2.1 Connecting VIA Collage to a Display

VIA Collage is equipped with dual display output connections.

- The HDMI connection can be used with any compatible projection or direct-view display, such as an LCD monitor. This connection carries embedded audio, and can also be routed and switched just like any other HDMI connection.

- The DisplayPort connection can be used with compatible projection or direct-view displays. Unlike the HDMI port, the DisplayPort jack does not carry embedded audio and requires a separate audio connection.

VIA Collage’s internal video card reads the Extended Display Identification Data (EDID) for any connected display and sets the optimum display resolution and image refresh rate automatically through the HDMI and DisplayPort jacks.
For full functionality, **VIA Collage** must be connected to a local area network (LAN). You must assign an IP address to the **VIA Collage**.

NOTE: To allow participation in a collaborative session (send and receive content), connect the **VIA Collage** hub and all participant devices (PCs/ MACs/ smartphones/tablets) to the same network (LAN - wired/wireless).

The **VIA Collage** hub receives user’s display/screen information and multimedia files from their device (laptop/tablet/smartphone) and sends them to the collaboration display (the display connected directly to **VIA Collage** hub unit).

### 2.2 Downloading and Running VIA Collage Software

All participants in a meeting must download and run either the Kramer VIA executable file (PC, Mac) or the appropriate Android/iOS app.

To access the PC and Mac executable files:

- Open your Web browser and enter the IP address for your **VIA Collage** unit
- Your Web browser recognizes your OS (MAC/Windows) and directs you to the correct client software
- Choose from following two options:
  - To run the VIA app virtually (without installing on your computer), select “Virtual Run”. Once downloaded, locate the file on your computer (under “Downloads”) and click to launch it. The **VIA Collage** login screen appears
  - To permanently install the VIA app, select “VIA Installer”. It downloads an .exe file to your computer and asks if you want to run this file. Click **Yes** and follow the Setup instructions. The VIA app is saved to the KRAMER folder on your C: drive. You can create a shortcut and drag it to the desktop for easy access.
For tablets and smartphones, the Kramer VIA app is found in the App Store (iOS) and Google Play (Android). Download the app to your tablet/phone and install.

When the app is run, the following screen appears:

2.3 Logging In to VIA Collage

Windows and Mac OS

- Choose a username (nickname) for your device (any mix of letters and numbers) then enter it on the login screen

- Next, enter the room code, seen on the lower right part of the screen. This lets you access VIA Collage

iOS and Android

- First, enter the IP address for the VIA Collage. This is found on the main display screen in the lower left

- Next, choose a username (nickname) for your device (it can be any mix of letters and numbers) then enter it on the login screen of your device

- Finally, enter the room code as seen on the lower right part of the screen. This lets you access VIA Collage. Now, you’re ready to go!
3 VIA Collage Functions and What They Do

VIA Collage presents two types of screens depending whether it is being used by the Admin or by a User. The following screen shots illustrate both types.

The illustration below shows the VIA Collage main Admin screen and its functions:

Figure 3: VIA Collage Admin Features
<table>
<thead>
<tr>
<th>Item</th>
<th>Icon</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Features</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Allows user to see and access all available features of VIA Collage</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Whiteboard</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Opens a canvas to annotate, draw, and update document collaboratively over a live stream</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Participants</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Provides a list of all participants in the session</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Cloud</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Open the Cloud and all the files saved or shared between participants</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Skype</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Starts Skype video conferencing tool</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Go to Meeting</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Starts a GoToMeeting session</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>WebEx</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Starts a WebEx session</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Microsoft Lync</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Opens Lync client for audio and video conferencing</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Web Browser</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Opens the browser at the VIA Collage gateway to present any content directly from the Web site</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Screen Share</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Pushes a mirror of the VIA Collage collaboration display on the user’s devices (laptop, IPAD, MacBook, Android tablet). The user can see all the activities of the VIA Collage collaboration display on his system (this feature is called “View Main Display” in the Client menu)</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Third Party Apps</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shows third-party applications installed and integrated with VIA Collage</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>File Transfer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shares files between the available participants during the session</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Chat</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Allows sending chat messages among available participants during that session</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>HDMI Input 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Displays/hides external video source connected to the VIA Collage input</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Picture in Picture</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Switches the external video source (HDMI input) between PIP (Picture-in-Picture) mode and full screen mode</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Shut Down</td>
</tr>
<tr>
<td></td>
<td></td>
<td>shuts down the VIA Collage system</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>Reboot</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Reboots the VIA Collage System</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>Settings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Performs settings on the LAN, configurations related to room code, room name third-party apps, system controls, wallpaper streaming configuration and activation center</td>
</tr>
</tbody>
</table>
The illustration below shows the **VIA Collage** main User screen and its functions:

<table>
<thead>
<tr>
<th>Features</th>
<th>Step In</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimedia</td>
<td>Cloud</td>
<td>Microsoft Lync</td>
</tr>
<tr>
<td>Whiteboard</td>
<td>Start Collaboration</td>
<td>View Main Display</td>
</tr>
<tr>
<td>Chat</td>
<td>Enable Control</td>
<td>File Transfer</td>
</tr>
<tr>
<td>HDMI</td>
<td>Picture in Picture</td>
<td></td>
</tr>
</tbody>
</table>

Figure 4: **VIA Collage** Main User Screen
<table>
<thead>
<tr>
<th>Item</th>
<th>Icon</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Features</td>
<td>Allows user to see and access all available features of VIA Collage</td>
</tr>
<tr>
<td>2</td>
<td>Step-In/ Step-Out</td>
<td>Allows the user to show his device's screen on main display, or to step out</td>
</tr>
<tr>
<td>3</td>
<td>Participants</td>
<td>Provides a list of all participants in the session</td>
</tr>
<tr>
<td>4</td>
<td>Multimedia</td>
<td>Supports video formats: avi, vob, mp4, mov, mpx (ex. mpg). Shares smooth full-motion video (up to 1080p/60) and photos</td>
</tr>
<tr>
<td>5</td>
<td>Cloud</td>
<td>Drag and drop files to the cloud to share instantly with everyone in the session</td>
</tr>
<tr>
<td>6</td>
<td>Microsoft Lync</td>
<td>Opens Lync client for audio and video conferencing</td>
</tr>
<tr>
<td>7</td>
<td>Whiteboard</td>
<td>Opens a canvas to annotate, draw, and update document collaboratively over a live stream</td>
</tr>
<tr>
<td>8</td>
<td>Start Collaboration</td>
<td>Click to collaborate through a common display using your own device. Multiple users can interact and control the main display at the same time</td>
</tr>
<tr>
<td>9</td>
<td>View Main Display</td>
<td>Shows a mirror of the VIA Collage collaboration display on the user’s devices (laptop, iPAD, MacBook, Android tablet). The user can see all the activities of the VIA Collage collaboration display on his system (this feature is called “Screen Share” in the Admin menu)</td>
</tr>
<tr>
<td>10</td>
<td>Chat</td>
<td>Allows sending chat messages among available participants during that session</td>
</tr>
<tr>
<td>11</td>
<td>Enable Control</td>
<td>Gives participants control over the presenters Mac or PC laptop</td>
</tr>
<tr>
<td>12</td>
<td>File Transfer</td>
<td>Shares files between the available participants during the session</td>
</tr>
<tr>
<td>13</td>
<td>HDMI Input 1</td>
<td>Displays/hides external video source connected to the VIA Collage input</td>
</tr>
<tr>
<td>14</td>
<td>Picture in Picture</td>
<td>Switches the external video source (HDMI input) between PIP (Picture-in-Picture) mode and full screen mode</td>
</tr>
</tbody>
</table>
4 Using VIA Collage

VIA Collage is a powerful and versatile collaboration hub that gives participants a wide selection of presentation tools. In this section, we'll look at each of those tools and discuss briefly how it works.

4.1 VIA Collage Main Menu

This section refers to the user's experience.

The VIA Collage User main menu has three tabs across the top – Features, Step-In/Out, and Participants.

- Clicking on the Features tab on the main menu allows the user to see and access all available functions of VIA Collage
- Clicking on the Step-In tab on the main menu displays your PC/device screen on the main screen. Clicking Step-Out removes your device screen from the main screen
- Clicking on the Participant List tab reveals a list of all participants in the session
Under Participants, the following icons are used:

<table>
<thead>
<tr>
<th>Item</th>
<th>Icon</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display Status</td>
<td>![Icon]</td>
<td>Start a presentation at a display</td>
</tr>
<tr>
<td></td>
<td>![Icon]</td>
<td>The user is currently presenting</td>
</tr>
<tr>
<td>Chat Status</td>
<td>![Icon]</td>
<td>Start a chat session with any available participants</td>
</tr>
<tr>
<td></td>
<td>![Icon]</td>
<td>The participant is currently chatting with you. Click to open the chat session</td>
</tr>
<tr>
<td>Item</td>
<td>Icon</td>
<td>Meaning</td>
</tr>
<tr>
<td>------------------</td>
<td>------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>File Transfer</td>
<td>🔄</td>
<td>Start a file transfer with another participant</td>
</tr>
<tr>
<td></td>
<td>🔄</td>
<td>File transfer is already active with that participant</td>
</tr>
<tr>
<td>Enable Control</td>
<td>🔄</td>
<td>Take control of any user while the user is displaying</td>
</tr>
<tr>
<td></td>
<td>🔄</td>
<td>Admin has the control of that user</td>
</tr>
</tbody>
</table>

### 4.2 Enabling Control

This function allows the admin to take control of a participant's PC (Windows or Mac OS). (In our example, Figure 6, 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 on the Start Collaboration icon and drag his laptop mouse to the top and off their local screen. That cursor now moves to the VIA Collage unit and appears on the main display of Dave. Buttons are shown in the picture below:
4.3 Chatting with Participants

The admin or user can start a chat session to exchange text messages between users.

To initiate a chat session:

- Go to the participant list and click the chat icon for the desired participant. The chat window opens and you can chat with selected participant:
In the chat window, the participant’s name is at the left side of the window and your chat messages are on the right side.

The user can check for active chat sessions by going to Features > Chat.

### 4.4 Sharing Files

**VIA Collage** can transfer files between PC/Mac logged in users.

To share a file:

- Go to the participant list and click on the file share icon for the desired participant with whom you wish to share a file.
- In the cloud directory, select the desired file on your device. Then, click Share.
The target participant needs to select a location to save the file and start the file transfer process. Once completed, the file is saved on that participant’s system.

When completed, the file is saved at receiver’s system.
You can check or cancel currently sharing file from Features > File Transfer.
4.5 Accessing Cloud Data

The cloud is used to access all data that has been shared by participants using VIA Collage hub.

To access cloud data:

- Click on Features and then click on the cloud icon to go to the Cloud directory where all the users’ shared files were saved.

![Figure 10: Shared Files on the Cloud](image)

- To delete one single file from the cloud directory, click on the Trash icon A warning note appears that this is a permanent deletion
- To delete all files from the cloud directory, click on Clean Directory A warning note appears that this is a permanent deletion

4.6 Whiteboard Collaboration

The whiteboard function creates a canvas on the VIA Collage hub. With whiteboard, you can:

- Access a wide range of drawing and annotating tools
- Comment on any content shown on screen
- Insert any kind of images
- Annotate on an extended desktop
To open the Whiteboard:

- Go to the main menu and click on the Whiteboard icon. This starts a whiteboard session on **VIA Collage**.

### 4.7 Whiteboard Functions

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pen</td>
<td>Colors</td>
<td>Size</td>
<td>Eraser</td>
<td>Erase All</td>
<td>Text</td>
<td>Font</td>
<td>Image</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes</td>
<td>Keyboard</td>
<td>Save</td>
<td>Show Desktop</td>
<td>Arrow</td>
<td>Capture Area</td>
<td>Previous Page</td>
<td>New Page</td>
<td>Next Page</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wide Desktop</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multiple Screen</td>
</tr>
</tbody>
</table>

Figure 11: Whiteboard Toolbar

<table>
<thead>
<tr>
<th>Item</th>
<th>Icon</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pen</td>
<td>Enables drawing on the whiteboard</td>
</tr>
<tr>
<td>2</td>
<td>Color</td>
<td>Changes the color of the line with various available colors</td>
</tr>
<tr>
<td>3</td>
<td>Size</td>
<td>Chooses the line thickness</td>
</tr>
<tr>
<td>4</td>
<td>Eraser</td>
<td>Erases your annotations</td>
</tr>
<tr>
<td>5</td>
<td>Erase All</td>
<td>Cleans the page</td>
</tr>
<tr>
<td>6</td>
<td>Text</td>
<td>Inserts text on your whiteboard page</td>
</tr>
<tr>
<td>7</td>
<td>Font</td>
<td>Changes the text font of your whiteboard page</td>
</tr>
<tr>
<td>8</td>
<td>Image</td>
<td>Inserts an image at your whiteboard page</td>
</tr>
<tr>
<td>9</td>
<td>Notes</td>
<td>Creates comments or remarks about your annotation on your whiteboard page</td>
</tr>
<tr>
<td>10</td>
<td>Keyboard</td>
<td>Opens a virtual keyboard to insert text on your whiteboard</td>
</tr>
<tr>
<td>Item</td>
<td>Icon</td>
<td>Action</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>--------</td>
</tr>
<tr>
<td>11</td>
<td>Save</td>
<td>Saves all your activities either as PDF or as JPEG format</td>
</tr>
<tr>
<td>12</td>
<td>Show Desktop</td>
<td>Displays your desktop with all running applications. The user can also annotate at the running application using the desktop stylus</td>
</tr>
<tr>
<td>13</td>
<td>Arrow</td>
<td>Selects any object or image</td>
</tr>
<tr>
<td>14</td>
<td>Capture Area</td>
<td>The mouse pointer turns into a plus sign. Click the upper left corner of the area you want to capture and drag along the screen to the limit of the capture. The selected area is displayed in gray. The area is then included in the current or new page as an object</td>
</tr>
<tr>
<td>15</td>
<td>Previous page</td>
<td>Moves to previous page (when multiple pages added)</td>
</tr>
<tr>
<td>16</td>
<td>New page</td>
<td>Creates a new page or to add a new page</td>
</tr>
<tr>
<td>17</td>
<td>Next page</td>
<td>Moves to next page (when multiple pages added)</td>
</tr>
<tr>
<td>18</td>
<td>Wide Desktop</td>
<td>This icon appears on the whiteboard when two displays are connected to VIA Collage. Using this function, you can send pages from screen 1 to screen 2 and retrieve pages from screen 2 to screen 1. When a participant sends any page to screen 2 and then annotates it on the main VIA Collage screen, those annotations show simultaneously on screen 2. (see Figure 12)</td>
</tr>
<tr>
<td>19</td>
<td>Multiple screen</td>
<td>Available when a dual display is connected to VIA Collage. One display can be used for collaboration on the whiteboard and the second can share content from the users. In multiple screens the user can draw on screen 1 and can send this page to screen 2 to show to the audience. (see Figure 13)</td>
</tr>
</tbody>
</table>

Figure 12: Wide Desktop

Figure 13: Multiple Screen
### 4.7.1 Show Desktop

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

<table>
<thead>
<tr>
<th>Icon</th>
<th>Name</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Icon]</td>
<td>Whiteboard</td>
<td>Press this button to immediately return to your board page</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Pencil</td>
<td>Writes on the whiteboard</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Eraser</td>
<td>Erases precisely what you have written on the whiteboard</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Selection Tool</td>
<td>Selects any object to move it and apply changes</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Capture Area Tool</td>
<td>The mouse pointer turns into plus sign. Click and drag over the desired area</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Window selection</td>
<td>Directly captures a window and all of its content.</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Notes</td>
<td>Adds remarks or comments about the added annotation at the whiteboard</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Virtual Keyboard</td>
<td>Inserts text on the whiteboard</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Save</td>
<td>Saves your activity in either .jpg or .pdf format</td>
</tr>
<tr>
<td>![Icon]</td>
<td>Exit</td>
<td>Exits the whiteboard</td>
</tr>
</tbody>
</table>
4.7.2 Screen Share

Screen Share allows the admin to share his screen with all available users so that the user can see all the activities of the gateway running at their local system only.

To use Screen Share:

- Click on features and then click on Screen Share
- The user sees the collaboration display screen at their system and a check mark is shown on the Screen Share button

![Screen Sharing](image)

Figure 14: Screen Sharing

Notes: The user is asked to accept to view the shared screen, as shown below.

![Incoming Share Screen request from main display](image)

- To view the main collaboration display on the user's system, the user needs to stop both his display and media.
4.8 Showing Content from a Third Party Device

**VIA Collage** gives you the flexibility to show content from any connected third-party device such as a media player, Apple TV, Roku, video cameras with composite video or HDMI outputs, and Samsung’s AllShare Play wireless hub, along with your display. You can connect an extra device to **VIA Collage** using the HDMI input, or add an external HDMI switcher to select from multiple third-party devices.

To use this feature:

- Click on Features, then click on Show/Hide output of HDMI Input 1

![Figure 15: Showing a Third-Party Screen](image-url)
4.9 Picture-in-Picture

The **VIA Collage** Picture-in-Picture feature lets you toggle between full-screen mode and PIP mode for HDMI Input 1.

To use PiP:

- Click on Features, and then click on Picture-in-Picture

This toggles the HDMI Input 1 video signal mode between PIP and Full Screen.

If the message shown below appears when HDMI Input is selected, it means that there is no device connected to **VIA Collage**’s HDMI input, or a connected device is not turned on. Report this condition to the admin.

4.10 Calling with Skype

**VIA Collage** lets you call using Skype to any other Skype user in the world.

To activate Skype:

- Click on Features and click on [Skype]

This launches Skype and you can login and call/chat with any available contact.

4.11 Using GoToMeeting

GotoMeeting is integrated with **VIA Collage**, providing you with a simple and powerful way to hold unlimited online meetings. A **VIA Collage** admin can start a meeting and share his screen with any available user, anywhere in the world.

To launch GoToMeeting,

- Click on Features and click on [GoToMeeting]
This takes you to the GoToMeeting website (http://www.gotomeeting.com/fec/) where you can download the executable file and start an online meeting.

4.12 Using WebEx

WebEx is a conferencing program which lets you and others meet online and share files, information, and expertise. WebEx is integrated with VIA Collage.

To activate a WebEx online meeting:

- Click on Features and click on the WebEx icon

This links to the WebEx Web site (http://www.webex.com/) from which you can download the app and start online meetings.

4.13 Using Microsoft Lync

Microsoft Lync provides instant messaging, voice over IP and video conferencing.

To start video conferencing with Microsoft Lync:

- Click on Features and click on Microsoft Lync

This opens the Microsoft Lync sign-in page. The user can login and start messaging or video conferencing.

4.14 Accessing a Web Page

VIA Collage can directly launch a Web browser. You do not need to exit VIA Collage to open a Web site, or launch a Web-based presentation.

To open the Web browser:

- Click on Features and click on the Web Browsing icon

This opens the default browser (Internet Explorer) through VIA Collage and you can navigate to any Web site or online video/presentation file.
Note: In the Web management interface of the settings, you can change the default browser to any one you prefer. For more details, see the Web management settings section.

## 4.15 Settings Menu

The Settings menu is where you configure your VIA Collage unit and manage third party applications.

The Settings menu tabs include:

- **LAN Settings** – configures network parameters
- **Room Name/Room Code** – manages room code and name preferences
- **Configurations** – activate/deactivate PIP and media mode, activate/deactivate HDMI input on startup, manage your Cloud directory, etc.
- **System Controls** – manages your display and audio settings, run control panel, etc.
- **Wallpaper** – inserts a customized wallpaper
- **Third Party Apps** – installs/removes third-party software applications
- **Authentication** – activates presentation mode and define moderator/participants settings

To open the settings page use keyboard and mouse connected to VIA Collage unit:

- Click on Features to expand
- Click on Settings. It requests the password for the VIA Admin user
- Enter the password “viaadmin”

The Settings screen opens:
After settings are defined, click on the Reboot tab to apply all.

4.15.1 LAN Settings

Use LAN settings to change the IP address, DNS and default gateway of VIA Collage.

When changing these settings, make sure they are correct. Incorrect values can cause a loss of communication.

To change the IP address:

- Click on LAN Settings
- Enter as required the IP address, subnet mask, default gateway, DNS server 1, DNS server 2
Figure 17: LAN Settings Screen

- When finished, click on Apply Settings
- Click OK at the Confirmation Message
- Click on Reboot to restart the system with the new settings

4.15.2 Room Name/Code Settings

To activate/deactivate Room Code, Date & Time:
- **Show Room Name on Wallpaper**: This feature displays the Room Name (a standard IP address) on the VIA Collage home screen. By default, it displays the current IP address, but you can change it to a Domain Name System (DNS) name if local DNS services are supported by the network. To change the Room Name, enter the new address or DNS name, then click on Apply and reboot VIA Collage. To login any device to the VIA Collage client, you must enter the same Room Name in the location field on your device.

- **Activate Room Code**: The Room Code is a security overlay feature that generates and updates a four digit code. It appears on the lower right of the VIA Collage home page. When activated, this code must be entered by any device before logging into VIA Collage.

- **Always show on Wallpaper**: If the room code is activated, it always shows on the wallpaper below the room name, otherwise the room code only shows when logging into any client.

- **Show Date Time on Wallpaper**: Displays the date/time on the top right of the display.

Figure 18: Room/Name Code Screen

![VIA Collage settings with Room/Name Code Screen highlighted](image)

VIA Collage - Using VIA Collage
- **Show Room Name / Code on second Display also**: Supported only if there is a second display connected to the VIA Collage unit. This feature allows you to show the Room Name on the wallpaper of the second display connected.

  The color of the text of the room name, the room code, the date and time to show on the background of the VIA Collage wallpaper can also be changed in this Settings menu.

4.15.3 **Configuration Settings**

Configuration settings allow the user to change the cloud data path to save cloud data at any desired location. It is also where the user can activate PIP mode or Media mode.

To change configurations:

- Click on Configurations

---

Figure 19: Configurations Screen
The settings include:

- **Do not start HDMI input on startup** – Activate/Deactivate HDMI input when powering the unit on

- **Activate PIP Mode** – Shows the output of the third party device (SID-X3N, Apple TV, Media Player, etc) as a PIP on VIA Collage. Otherwise, the output of a third party device is shown as a full screen image

- **Reset PIP Position** – Resets the default PIP position if the size or position of the default PIP window was changed

- **Activate Media Mode** – If multiple displays are connected to VIA Collage, the first display is reserved as the media screen. Multimedia files play only on the first display and the presentation shows on the second display

- **Activate System Log** – Activates the logging of all system activity either by the client or the gateway to aid diagnosing a problem with VIA Collage

- **Enable Quick Client Access** – Enables a floating icon on the desktop of the VIA Collage gateway to open the VIA Collage menu. The user can click on this icon and the menu opens

- **Collaboration Data Directory Path** – Sets the path where all data is saved that has been shared over the cloud by other users. By default, the path is to the internal storage of the SSD (64Gb). The user can attach USB storage to VIA Collage, can change the directory path as needed, or point to a network location

**4.15.4 System Control Settings**

System controls access the control panel, audio settings, display settings, task manager, system health and log files of the VIA Collage unit. The log folder is only available if system logging is activated from the configurations tab of settings.
The VIA Collage unit is pre-activated by Kramer. If your unit needs to be re-activated, contact Kramer Technical Support.

4.15.5 **Wallpaper Settings**

This feature allows any corporation or institution to change the default screen to match their branding and in-room equipment usage instructions.

To change the wallpaper:

- Click on Wallpaper
- Click on Upload Wallpaper
- Select Wallpaper (must be an image file – jpeg, png, bmp) from your system
- Click on Reboot
  
The background image on VIA Collage changes after rebooting
The Third Party App feature allows the user to add a shortcut to any third party applications already installed on VIA Collage. The user can then launch these applications without exiting VIA Collage.

The administrator can also install any other third party application that is not available on the system that a user wants to run.

To add a third party application shortcut:

- Click on Third Party Apps
- Click on Add Application Exe File
- Browse to the executable of the application that you want to add as a shortcut, for example go to: C:\Program Files (x86)\Kingsoft\Kingsoft Office\office6 and select wpp.exe to add the shortcut of Word of Kingsoft Office
- Click on Reboot
The user can also change the icon image and name of the added third party application.

To change the icon image and name of application:

- Click on Advance
- The Set Application Name and Icons page opens
- Click on “Click here” to browse and change the icon image
- Change the application name from “Application Name” field
Figure 23: Setting Application Name

- Close this page and the settings page as well.
- Reboot the VIA Collage hub

**To Install a Third Party Application:**

- Click on Install Applications
- When asked to logout as a VIA Collage user, click Yes

- Login again as an administrator and now you can install any application.
  The default password is “viaadmin”.
Now download any application on your system and install it on the unit. Reboot the system after installation and add the application shortcut under third party apps for future use as explained above.

4.15.7 **Authentication Settings**

In this section, you can activate Presentation (moderator–participant) Mode. In this mode, a participant requires permission from the moderator to use the Step-In function on **VIA Collage**.

To enable Presentation Mode:

- Click on Authentication
- Select Activate Presentation Mode and reboot **VIA Collage** gateway

![Authentication Screen](image)

Figure 24: Authentication Screen
There are two default users available to login into VIA Collage client in Presentation mode.

Moderator:

- Default user name: su
  Default password: supass

Participant:

- Default user name: user
  Default password: userpass

You can create more users as needed.

To create users:

- Open the VIA Collage Web site by entering the VIA Collage IP address in any Web browser (or open a browser from any client PC connected to same network and enter VIA Collage IP address)

- At the top, login with default moderator username (supass). The moderator can create a database of participants by assigning a Username, Password and Role (Moderator or Participant) to each one of them, as shown in Figure 25 below

![Figure 25: Moderator Mode](image)
Now any user who was created by the moderator can get permission to join the session.

It is also possible to select one or more users to be “Web Administrator”, with the ability to change the settings from the Web administration interface.

To login into the VIA Collage client when Presentation Mode is activated:

- Open the VIA Collage client and enter the location (IP address of the VIA Collage gateway)
- Enter user name and password (as defined by moderator)
  Now you see the Room Code field.
- Enter the room code (if Room Code is activated)
- Click on Login

![Login Screen When Moderator Mode is Active](image)

Figure 26: Login Screen When Moderator Mode is Active

To start a presentation:

- Click on “Step-In” and VIA Collage sends a request to the moderator for display permission

```
user is requesting for display
```
• The moderator clicks on “Allow” to start the participant’s presentation on the collaboration display.
  The presentation is now visible on the VIA Collage main display.

**Note:** The moderator can "Step-In" at any time without permission.

### 4.15.8 Managing Settings from the VIA Web Management Interface

To manage settings using the Web browser:

- Open the Web browser and enter the IP address for your VIA Collage unit.
- Enter user name “su” and password “supass”.
- Click on VIA Management tab to access the Settings menu.

![Figure 27: VIA Management - Network Settings](image)

Figure 27: VIA Management - Network Settings
Figure 28: VIA Management – Wallpaper

Figure 29: VIA Management – Configuration
Manage the features available on the VIA gateway (see Figure 31):

- Change the default Whiteboard and Web Browsing applications by your preferred ones. Click on the application you want to change and browse your computer to find the one you want to associate as default.

- Remove the features you don’t want to offer to the users. Click on the ☒ on the icon you want to hide. Please note that any removed feature will be just hidden and not deleted. The space allocated to this specific icon will be left blank so you can reorganize manually the order of the icons by simply dragging them to your preferred scheduling. Make sure you click on “Apply” and Reboot your unit to apply these changes.
Figure 31: VIA Management – Gateway Features

Manage the features available on the VIA client application (see Figure 32):

Remove the features you don’t want to offer to the users. Click on the © on the icon you want to hide. Please note that any removed feature will be just hidden and not deleted. The space allocated to this specific icon will be left blank so you can reorganize manually the order of the icons by simply dragging them to your preferred scheduling. Make sure you click on “Apply” and Reboot your unit to apply these changes.
Figure 32: VIA Management – Client Features

Figure 33: Utilities - Gateway Activity Log
4.16 **User Experience**

**VIA Collage** enables a high level of collaboration in meetings. Participants can share files, chat, edit a common document, or stream full HD (1080p/60) video content. Following is a summary of **VIA Collage** functions:
Collaboration capabilities have been enhanced with the addition of the popular cloud services:

- Google Drive
- DropBox
- SkyDrive

Link your cloud service (Google Drive, DropBox or SkyDrive) account to your VIA application and enjoy full access to your online documents.

Select one file from your cloud service and select among the following options:

- Open - Open the file on your screen and “Step-In” to share it on main screen
- Download - Create a copy of your online file to easily access it from your VIA Multimedia Feature
- Share - Share the selected file using your preferred mailing service
Alternatively, enjoy the ability to select one file saved in your VIA Multimedia feature (photo, document or video) and choose to upload it to your cloud service account, for later usage.

**Note:** Different devices enable different features depending on the device capabilities. See the following illustrations.

![Figure 35: Samsung Galaxy](image-url)
Figure 36: iPad
Figure 37: iPhone
Figure 38: PC
## Technical Specifications

<table>
<thead>
<tr>
<th>Category</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PROCESSOR:</strong></td>
<td>Quad core 2.9GHz, low power consumption</td>
</tr>
<tr>
<td><strong>MAIN MEMORY:</strong></td>
<td>4GB high speed</td>
</tr>
<tr>
<td><strong>VIDEO INPUTS:</strong></td>
<td>1 HDMI</td>
</tr>
<tr>
<td><strong>VIDEO OUTPUTS:</strong></td>
<td>1 HDMI, 1 DisplayPort</td>
</tr>
<tr>
<td><strong>STORAGE:</strong></td>
<td>64GB solid state drive</td>
</tr>
<tr>
<td><strong>LAN:</strong></td>
<td>Dual Gigabit LAN port, 10/100/1000 auto, 1 with iAMT 8.0 (not installed)</td>
</tr>
<tr>
<td><strong>AUDIO:</strong></td>
<td>Integrated High Definition Audio 5.1 channel HDMI embedded, 1 mic in and 1 line out on 3.5mm mini jacks</td>
</tr>
<tr>
<td><strong>USB:</strong></td>
<td>4 USB 3.0 ports, 1 USB 2.0 port</td>
</tr>
<tr>
<td><strong>POWER CONSUMPTION:</strong></td>
<td>120W power adapter (19V, 6.32A)</td>
</tr>
<tr>
<td><strong>OPERATING TEMPERATURE:</strong></td>
<td>0° to +40°C (32° to 104°F)</td>
</tr>
<tr>
<td><strong>STORAGE TEMPERATURE:</strong></td>
<td>-40° to +70°C (-40° to 158°F)</td>
</tr>
<tr>
<td><strong>HUMIDITY:</strong></td>
<td>10% to 90%, RHL non-condensing</td>
</tr>
<tr>
<td><strong>DIMENSIONS:</strong></td>
<td>11.7” x 2.2” x 8.3” W, D, H</td>
</tr>
<tr>
<td><strong>WEIGHT:</strong></td>
<td>2.3kg (5.0lbs)</td>
</tr>
<tr>
<td><strong>INCLUDED ACCESSORIES:</strong></td>
<td>3 power cords (US, EU, UK)</td>
</tr>
<tr>
<td><strong>OPTIONAL:</strong></td>
<td>2U rack adapter</td>
</tr>
</tbody>
</table>

Specifications are subject to change without notice at [http://www.kramerelectronics.com](http://www.kramerelectronics.com)
LIMITED WARRANTY

The warranty obligations of Kramer Electronics for this product are limited to the terms set forth below.

What is Covered
This limited warranty covers defects in materials and workmanship in this product.

What is Not Covered
This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by Kramer Electronics to make such repairs, or any other cause which does not relate directly to a defect in material and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product.

Without limiting any other exclusion herein, Kramer Electronics does not warrant that the product covered hereby, including, without limitation, the technology and/or integrated circuit(s) included in the product, will not become obsolete or that such items are or will remain compatible with any other product or technology with which the product may be used.

How Long Does this Coverage Last
Three years as of this printing; please check our Web site for the most current and accurate warranty information.

Who is Covered
Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

What Kramer Electronics will do
Kramer Electronics will, at its sole option, provide one of the following three remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

1. Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. Kramer Electronics will also pay the shipping costs necessary to return this product once the repair is complete.

2. Replace this product with a direct replacement or with a similar product deemed by Kramer Electronics to perform substantially the same function as the original product.

3. Issue a refund of the original purchase price less depreciation to be determined based on the age of the product at the time remedy is sought under this limited warranty.

What Kramer Electronics will not do Under This Limited Warranty
If this product is returned to Kramer Electronics or the authorized dealer from which it was purchased or any other party authorized to repair Kramer Electronics products, this product must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned unshipped, you assume all risks of loss or damage during shipment. Kramer Electronics will not be responsible for any costs related to the removal or re-installation of this product from or into any installation. Kramer Electronics will not be responsible for any costs related to any setting up this product, any adjustment of user controls or any programming required for a specific installation of this product.

How to Obtain a Remedy under this Limited Warranty
To obtain a remedy under this limited warranty, you must contact either the authorized Kramer Electronics reseller from whom you purchased this product or the Kramer Electronics office nearest you. For a list of authorized Kramer Electronics resellers and/or Kramer Electronics authorized service providers, please visit our web site at www.kramerelectronics.com or contact the Kramer Electronics office nearest you.

In order to pursue any remedy under this limited warranty, you must possess an original, dated receipt as proof of purchase from an authorized Kramer Electronics reseller. If this product is returned under this limited warranty, a return authorization number, obtained from Kramer Electronics, will be required. You may also be directed to an authorized reseller or a person authorized by Kramer Electronics to repair the product.

If it is decided that this product should be returned directly to Kramer Electronics, this product should be properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization number will be refused.

Limitation on Liability
THE MAXIMUM LIABILITY OF KRAMER ELECTRONICS UNDER THIS LIMITED WARRANTY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE OF THE PRODUCT TO THE MAXIMUM EXTENT PERMITTED BY LAW. KRAMER ELECTRONICS SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF KRAMER ELECTRONICS CANNOT LAWFULLY DISCLAIM OR EXCLUDE IMPLIED WARRANTIES UNDER APPLICABLE LAW, THEN ALL IMPLIED WARRANTIES COVERING THIS PRODUCT, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THIS PRODUCT AS PROVIDED UNDER APPLICABLE LAW. IF ANY PRODUCT TO WHICH THIS LIMITED WARRANTY APPLIES IS A "CONSUMER PRODUCT" UNDER THE MAGNUSON-MOSS WARRANTY ACT (15 U.S.C.A. § 2301, ET SEQ.) OR OTHER APPLICABLE LAW, THE FOREGOING DISCLAIMER OF IMPLIED WARRANTIES SHALL NOT APPLY TO YOU, AND ALL IMPLIED WARRANTIES ON THIS PRODUCT, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR THE PARTICULAR PURPOSE, SHALL APPLY AS PROVIDED UNDER APPLICABLE LAW.

Other Conditions
This limited warranty gives you specific legal rights, and you may have other rights which vary from country to country or state to state.

This limited warranty is void if (i) the label bearing the serial number of this product has been removed or defaced, (ii) the product is not distributed by Kramer Electronics or (iii) this product is not purchased from an authorized Kramer Electronics reseller. If you are unsure whether a reseller is an authorized Kramer Electronics reseller, please visit our Web site at www.kramerelectronics.com or contact a Kramer Electronics office from the list at the end of this document.

Your rights under this limited warranty are not diminished if you do not complete and return the product registration form or complete and submit the online product registration form. Kramer Electronics thanks you for purchasing a Kramer Electronics product. We hope it will give you years of satisfaction.
For the latest information on our products and a list of Kramer distributors, visit our Web site where updates to this user manual may be found.

We welcome your questions, comments, and feedback.
Web site: www.kramerelectronics.com
E-mail: info@kramerel.com

SAFETY WARNING
Disconnect the unit from the power supply before opening and servicing