



Kramer VIA User Manual

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2 Introduction

2.1 About Kramer VIA

Kramer VIA is a family of wireless presentation and collaboration tools designed to simplify and enhance interactions in meeting rooms, classrooms, and collaborative workspaces. It eliminates the need for physical cables, enabling seamless content sharing and real-time collaboration from any device. With cross-platform support and flexible connectivity options, VIA empowers users to engage locally or remotely with ease and efficiency.

KEY HIGHLIGHTS OF VIA:

- **Wireless Screen Sharing:** Effortless content sharing from Windows, macOS, iOS, Android, and Chromebook devices.
- **Secure Guest Access:** Designed for corporate and educational settings with robust security and access controls.
- **Collaboration Tools:** Built-in features like **chat**, **whiteboard**, and **document sharing** for real-time interaction.
- **USB Bridging:** **VIA wireless driver** enables use of room AV equipment with video conferencing apps.
- **Flexible Network Options:** Operates on corporate LAN, Wi-Fi client, Wi-Fi AP, or Wi-Fi Direct modes.
- **Centralized Management:** Integrates with VIA Site Management and Kramer Control for streamlined device oversight.
- **Digital Signage:** Display dynamic content on the main display during meeting downtime.
- **Third-Party Applications Support (Action Tiles)** – User can add applications on VIA like Microsoft Office®, Skype®, GoToMeeting® and WebEx®. (Connect2, Campus2/Plus, Connect3)
- **View Display** – Views the main display on your own device. (Go2, Connect2, Campus2/Plus, Go3, Connect3)
- **4K Support** – Presents 4K content to compatible 4K displays. (Connect 3, Go3, Campus2/ Plus)
- **Integrated YouTube Player:** Creates playlists, shares video or drags and drops any YouTube clip to your VIA app for seamless video playback.

Kramer VIA offers tailored hardware models to meet diverse performance and feature requirements, making it ideal for everything from small huddle rooms to large boardrooms.



This manual applies to all current VIA models, with model-specific notes provided when necessary.

2.1 Purpose of this Manual

The purpose of this manual is to provide a complete and unified guide for installing, configuring, and using **Kramer VIA** devices across all supported models.

It is designed to help:

- **End users** quickly connect and share content in meeting rooms and classrooms.
- **IT administrators** configure network settings, manage devices, and ensure secure, optimized deployments.
- **Support teams** troubleshoot issues and perform maintenance tasks.

This manual includes:

- Step-by-step instructions for setup and daily use.
- Descriptions of key features such as wireless presentation, collaboration tools, and USB bridging.
- Guidance on network configuration and administrative settings.
- Model-specific notes to highlight differences between devices.

Whether you're deploying VIA in a small meeting room or across a large enterprise, this document serves as your primary reference for achieving the best results with the Kramer VIA platform.



This document reflects the latest firmware and software capabilities. Features or interface elements may vary slightly by model or version.

2.2 Audience (Users and/or Admins)

This manual is intended for a broad range of users involved in the setup, use, and support of **Kramer VIA** devices, including:

End Users

- Individuals who connect their laptops, tablets, or smartphones to a VIA-enabled display for presentations or collaboration.
- Users who are looking to wirelessly share content, use the whiteboard, chat, or participate in meetings.

IT Administrators

- Professionals responsible for installing, configuring, and managing VIA devices across a network.
- Includes tasks such as network setup, security settings, firmware updates, and remote monitoring.

Support and Maintenance Staff

- Technicians or helpdesk personnel who provide first-line support to users and assist in troubleshooting connectivity or device issues.
- Each section of the manual is labeled and structured to support its relevant audience, with clear distinctions between general user actions and admin-only configurations.



Admin-related sections are marked clearly and may require access credentials.

2.3 Supported VIA Models

This manual applies to the full range of **Kramer VIA** devices currently supported by the VIA platform. While core functionality is shared across models, performance levels and specific features may vary slightly.

The following VIA models covered in this document:

VIA Go2, Go3

- Entry-level wireless presentation devices designed for huddle spaces and small meeting rooms. They support screen sharing, mirroring, and basic collaboration features. Simple to deploy and ideal for quick, no-frills use.

VIA Connect2, Connect3

- Compact wireless presentation devices suited for small to medium meeting rooms. They support 4K screen sharing, file collaboration, and basic whiteboarding features.
- Both models also include HDMI IN, allowing users to connect a laptop directly and present via cable when needed.

VIA Campus2/ Plus

- Functionally like VIA Connect2/3 but runs on a Windows-based NUC platform except for some features like recording, web browser, dual display. This enables customers, especially in education, to use the device as both a VIA unit and a standard classroom computer, supporting local applications and desktop usage.
- Via Campus2 Plus includes HDMI IN, allowing users to connect a laptop directly and present via cable when needed.



- **Room Device Driver** is available on selected models and allows client devices to receive video and audio from the VIA unit, exposing it as a virtual device in applications like Microsoft Teams, Zoom, and others.
- Digital Signage is also supported on all VIA models, enabling scheduled content display when the room is not in active use.

3 Getting Started

3.1 System Requirements

To ensure optimal performance and compatibility with VIA, review the following system and network requirements before installation or use.

3.1.1 Supported OS for Client

Platform	Minimum Requirements
Windows	Windows 10 or later, VIA App or browser
macOS	macOS 11 or later, VIA App or browser
iOS/iPadOS	iOS 13 or later, VIA App
Android	Android 8.0 or later, VIA App
Chromebook	ChromeOS with Chrome browser support



For best performance, install the native VIA App instead of relying solely on browser-based mirroring.

3.1.2 Supported Display

- Display or projector with HDMI input
- Recommended resolution: Full HD (1920×1080) or higher
- For 4K models, ensure display supports 4K at 60Hz (HDMI 2.0)

3.1.3 Network Requirements

- **Wired Network:** Standard Ethernet (RJ-45), DHCP recommended
- **Wi-Fi** (if used):
 - Wi-Fi 5 (802.11ac) or higher recommended
 - WPA2 Enterprise or WPA2 PSK security supported
- **IP Addressing:**
 - DHCP preferred for automatic setup
 - Static IP supported if DHCP is unavailable
- **Ports to Allow** (for full functionality, especially in corporate networks)

Client to VIA

Client-to-VIA Traffic (ports)	Type	Function
5222	TCP	Communication data TLS/SSL
5224	TCP	Dual Network
7001 - 7024	TCP	Audio
7777	TCP	File sharing
5555	TCP	File sharing
9955	TCP	Streaming video
9954	TCP	Streaming video
9985	TCP	Authentication
9982	TCP	API commands
9986	TCP/TLS	API commands - TLS
9994	TCP	Android mirroring /Presenting
9987	TCP	Display mobile device
9989	TLS	Collaboration
9990	TCP	Presenting
9993	TCP	Presenting
80	TCP	HTTP
443	TCP	HTTPS
9992	TCP	View main display
9983	TCP	For VIA Pad app download
8998	TCP	VIAVersa
8999	TCP	VIAVersa
7027	TCP	VIAVersa
7236	TCP	Miracast
7250	TCP	Miracast
9977	TCP	Miracast
9978	TCP	Miracast
9979	TCP	Miracast
9981	TCP	Miracast
iOS to VIA (ports)	Type	Function
7000	TCP	Server port authentication
7100 – 7300*	TCP	Data
29053	TCP	Event port
2001 - 2201*	UDP	Timing
61875-62000	UDP	Audio data

If the port is busy or not available, it jumps to next available port and tries to bind (maximum range, 200 ports).

VIA outbound ports

VIA to iOS	Type	Function
5353	mDNS/UDP	mDNS Bonjour / Airplay broadcast
VIA to Client	Type	Function
80	TCP	Android/ iOS app streaming
12345	TCP	Streaming sync & ACK iOS only
Chrome Support	Type	Function
VIA to turn1.wowvision.com:3478	TCP/UDP	
VIA to cb.wowvision.com:447 (446 for legacy)	TCP	
VIA Client to turn1.wowvision.com:3478	TCP/UDP	
VIA Client to cb.wowvision.com:447 (446 for legacy)	TCP	
389	TCP/UDP	AD/LDAP
53	TCP/UDP	DNS
kramervia.via	DNS	VIA Discovery offline (VSM IP)
VIA to VSM	Type	Function
9988	TCP	API Server used by VIA to VSM
5555	TCP	File Server for updating firmware and wallpaper, etc.
5671	TCP	Data Server
80	TCP	Web Server HTTP
443	TCP	Web Server HTTPS
5557	TCP	For Digital Signage Module This port is only in use when running a version of VIA lower than 3.0.
VSM to VIA	Type	API Server used by VIA to VSM
80	TCP	Web server HTTP
443	TCP	Web Server HTTPS
12345	TCP	Web browser data transfer
20000	TCP	FTP data transfer
VSM & VIA to Web	Type	Function
license.wowvision.com:443	TCP	License lookup
update.wowvision.com:443	TCP	Update lookup
discovery.wowvision.com:443	TCP	Discovery Service

VIA to MS Teams & Zoom	Type	Function
3478–3481	UDP	Connection to MS Teams and Zoom cloud

Ports to “Enable Internet” in Access Point Mode (VIA Connect² / VIA GO²)

Port	Type	Function
80	TCP	HTTP
443	TCP	HTTPS
25	TCP	SMTP
465	TCP	SMTP over SSL
587	TCP	SMTP message submission
53	TCP	DNS
53	UDP	DNS



Ensure VIA devices and client devices are on the same subnet or have proper routing and firewall rules in place for discovery and connectivity.

3.2 Hardware Setup

This section provides instructions for physically setting up the VIA device. The steps apply to all VIA models, with minor differences based on port layout or mounting options.

3.2.1 Unpacking

- VIA device
- Power adapter
- HDMI cable (model-dependent)
- Mounting brackets or accessories (if included)
- Quick start guides and warranty information



If anything is missing or damaged, contact your distributor before installation.

3.2.2 Placement and Mounting

- Surface Placement: Position the VIA device on a stable, flat surface near the display and network access points. Ensure proper ventilation around the device.
- Mounting: If wall or under-table mounting is preferred, use the included bracket or a compatible third-party solution. Follow the safety guidelines to prevent overheating or cable strain.

3.2.3 Connecting the device

1. Display Connection:

- Connect an HDMI cable from the VIA device's **HDMI OUT** port to the display (monitor, TV, or projector).
- For models with multiple display ports, refer to the on-screen instructions or admin panel to configure dual display output.

2. Network Connection:

- **Wired:** Connect an Ethernet cable from the VIA device to the corporate network switch or router.
- **Wi-Fi Client:** If using Wi-Fi instead of cable, you can configure the network settings after booting.
- **Wi-Fi AP or Direct:** No network connection is required; the VIA device will broadcast its own SSID for clients to connect.

3. Peripheral Connections (Optional):

- **USB Devices:** Connect keyboard, mouse, or touch panel via USB ports for control or interactivity.

4. Power Connection:

- Plug the included power adapter into the VIA device and then into a power outlet.
- The device should power on automatically or via the power button (model-dependent).

3.2.4 Initial Power-On

After connecting the VIA device to power, display, and network:

- Plug in the power adapter to the VIA device and turn on the power.
- The device will automatically begin the boot process.
- Wait for the VIA welcome screen to appear on the connected display.
- Once loaded, you'll see VIA room name and IP address on screen.
- The device is now ready for configuration or use.



If nothing appears on screen, double-check the HDMI connection.

4 VIA Models Overview

FEATURE	VIA GO 2 /3	VIA CONNECT 2 / 3	VIA CAMPUS2 / 2 PLUS
PLATFORM	Linux	Linux	Windows-based (NUC)
PRESENTATION	✓ Yes	✓ Yes	✓ Yes
MULTIVIEW	✓ up to 4 users	✓ up to 4 users	✓ up to 4 users
WHITEBOARD / ANNOTATION	✗ No	✓ Yes	✓ Yes
VIDEO STREAMING	✓ 4k (30FPS)	✓ 4K (30 FPS)	✓ 4K (30 FPS)
DIGITAL SIGNAGE	✓ Yes	✓ Yes	✓ Yes
ROOM DEVICE DRIVER	✗ Not supported	✓ Supported	✓ Supported
MULTI-DISPLAYS	1	2	2
THIRD-PARTY APPS	✗ No	✓ Web	✓ Yes (via Windows)
HARDWARE EXPANDABILITY	✓ 3 USBs	✓ HDMI In + 3 USBs	✓ HDMI In (in Plus model) + 3 USBs
TARGET USE	Presentation only	Collaboration spaces	Collaboration spaces

GO2 – Multiview support 2 users

Connect2 - supported resolution 1920x1080 | # Display = 1

5 Using VIA (User Mode)

VIA offers a seamless and user-friendly experience for participants to join meetings, share content, and collaborate wirelessly.

Users can connect to the VIA device using laptops, mobile devices, or a web browser. Once connected, they can mirror their screens, share files, chat with other participants, and view the main display directly from their device.

Key features available in User Mode:

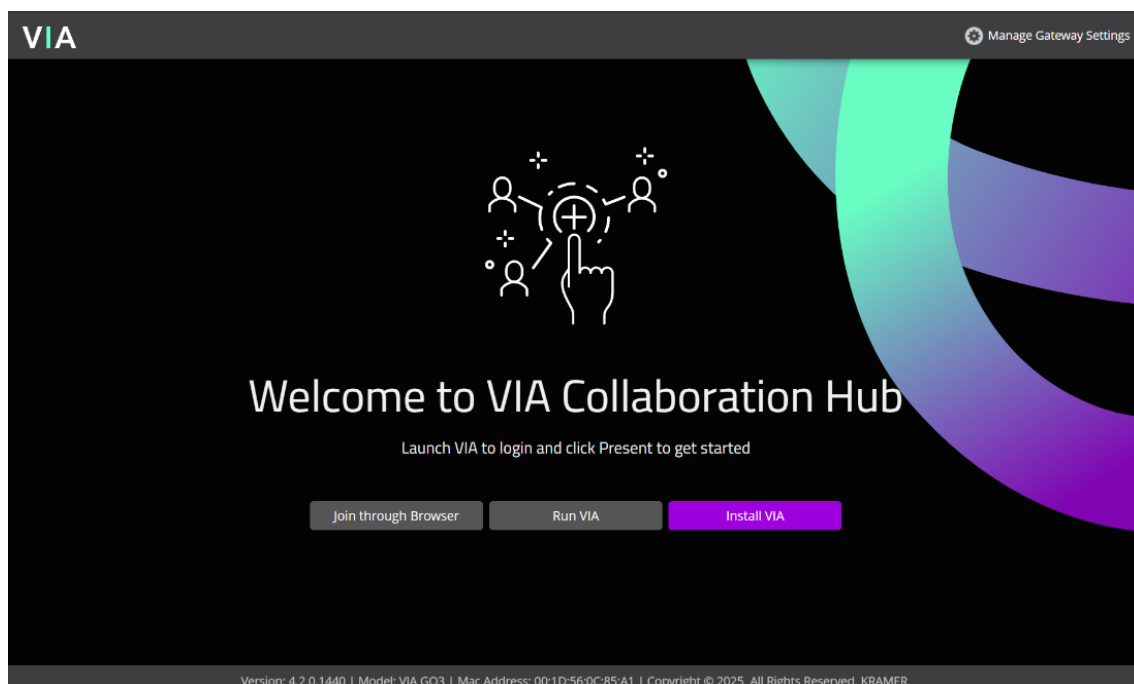
- One-click screen sharing from the VIA app.
- Support for native protocols like Airplay, Miracast, and Chromecast for direct mirroring without installing software.
- Interactive tools such as whiteboarding and chat for in-session collaboration.
- View Display option to follow the presenter's screen from your own device.
- Cross-platform support for Windows, macOS, iOS, Android, and browser-based access.

This mode is designed for ease of use, requiring minimal setup and providing an intuitive interface for both guests and regular users.

5.1 Download VIA Client

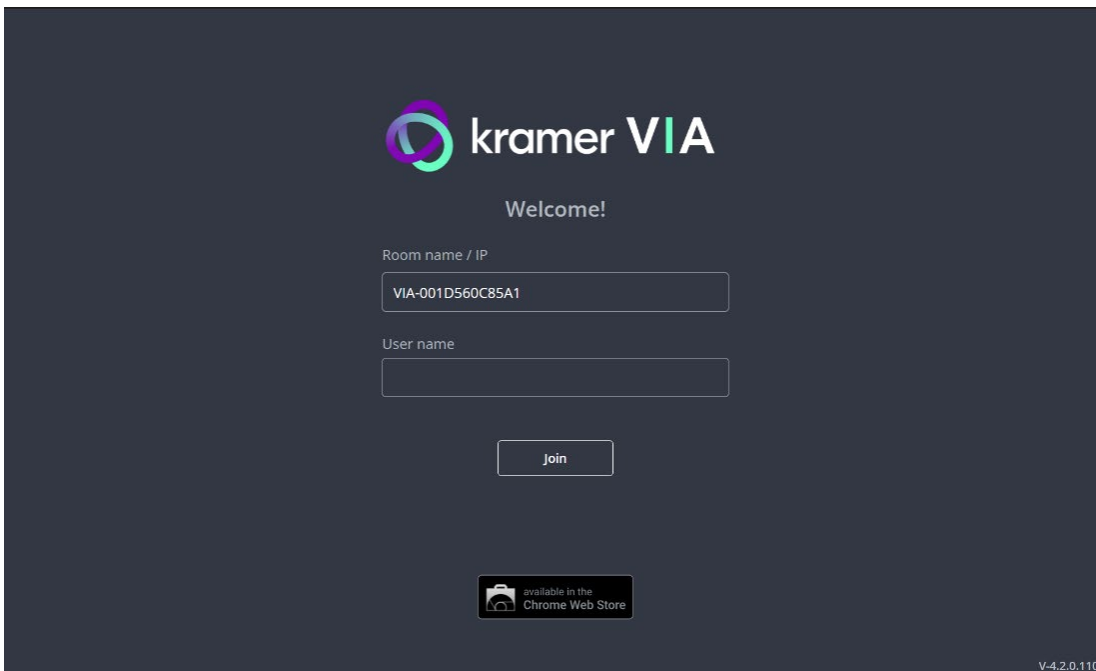
5.1.1 From Laptops (Windows/macOS)

1. Open a browser and enter the room URL

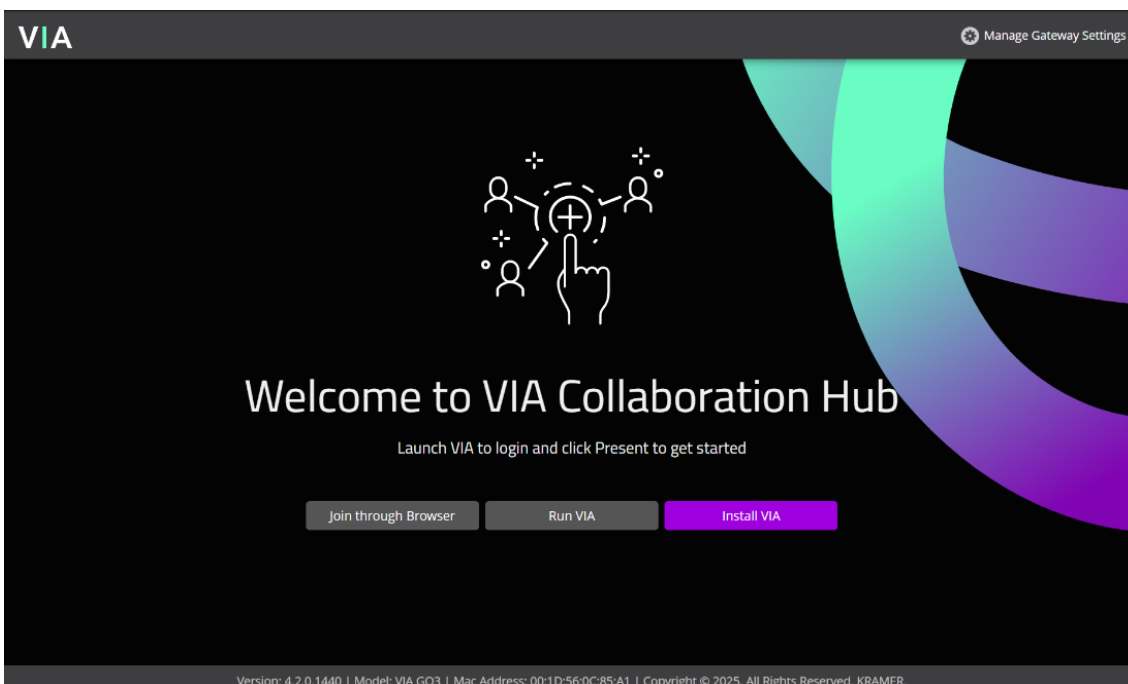


2. Download VIA client if required

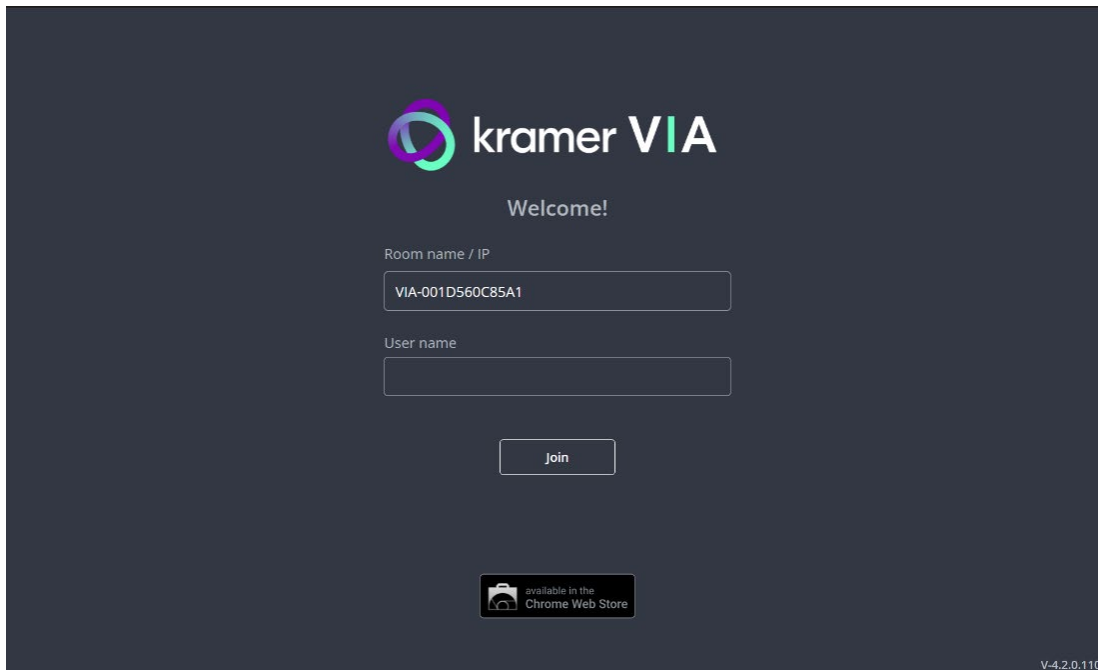
3. Run VIA in case you prefer to avoid installing (it will be downloaded and open as temp file)
4. **Join through Browser** if you want to avoid installing VIA



5. Enter your name and room code shown on the VIA display.
6. Open a browser and enter the room URL



7. Download VIA client if required
8. Run VIA in case you prefer to avoid installing (it will be downloaded and open as temp file)
9. **Join through Browser** if you want to avoid installing VIA.



10. Enter your name and room code shown on the VIA display.

Install the VIA app from the App Store or Google Play.

<https://apps.apple.com/us/app/via-app/id883509803>

App Store Preview

This app is available only on the App Store for iPhone and iPad.

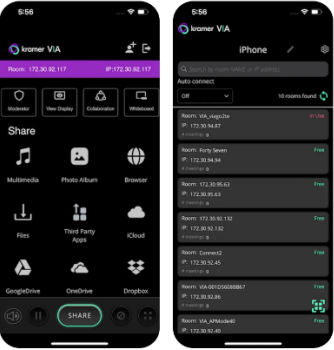


VIA App by Kramer Electronics Ltd.

★★★★ 1.4 • 44 Ratings

Free

Screenshots iPhone iPad



<https://play.google.com/store/apps/details?id=com.Activities.VIA&hl=en>

Kramer VIA

Kramer Electronics LTD.

3.5★

303 reviews

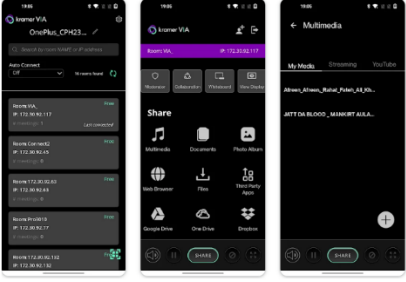
100K+

Downloads

PEGI 3

Install on more devices
Share

 This app is available for all of your devices
  You can sh



5.1.2 Guest Access

Guests can use VIA without installation by using

- Browser mode (Join through Browser)
- Downloading a temporary app.

- Plug in HDMI In (supported in Connect2 / 3, Campus2 Plus)

5.2 Using the VIA Client – Step by Step

5.2.1 Connecting to a Room

Room Access Options for VIA Clients

1. **Room Discovery (Default Method):** The VIA client automatically scans the local network and displays a list of available VIA devices. This method allows users to easily identify and connect to the correct room without entering any code.
2. **Direct Room Access (6-Digit Code):** Alternatively, users can connect by entering a unique 6-digit code displayed on the VIA main screen. This method bypasses network discovery and directly connects the user to the designated room. Note that the VIA device must support direct room access for this option to function.

These two options offer flexibility depending on the network environment and user preferences, ensuring a smooth connection experience in various scenarios.

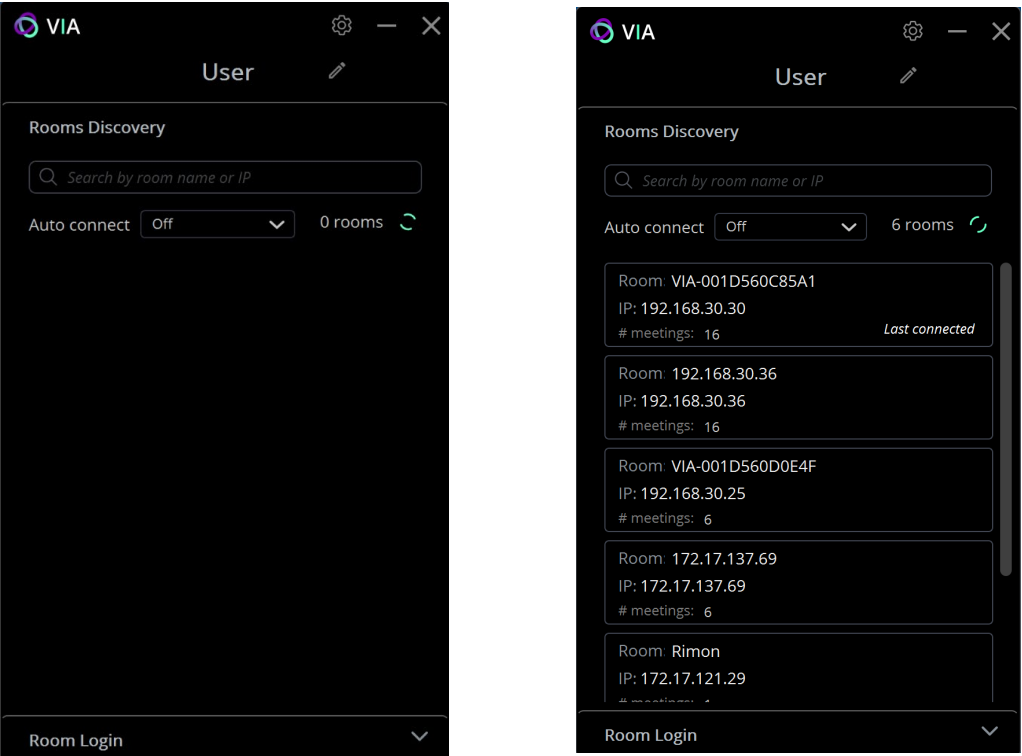


Users can select whether to install both VIA modes or only one during setup.

5.2.2 VIA Box discovery

Click to open VIA client (Desktop Win/Mac or Mobile)

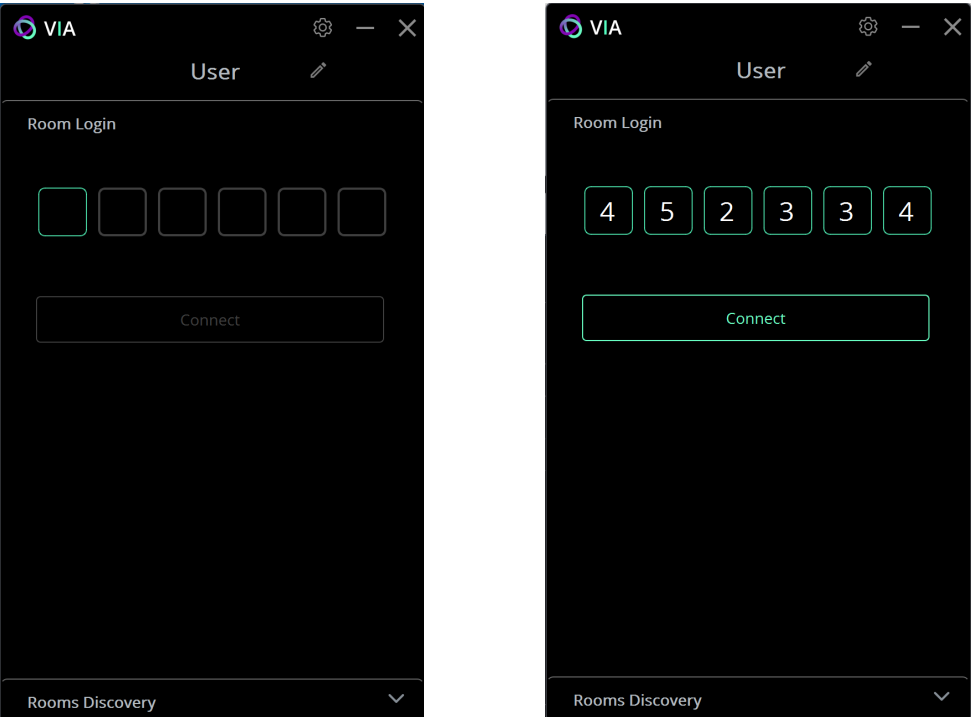
- Click to open VIA client, ensure VIA client connected to the same VIA box network
- VIA Client will auto-discover VIA boxes within the network using Bonjour / BLE protocols
- In case VIA not discovered, type in the Search the IP of the room
- Click on the room to connect
- VIA Client will connect to the Room



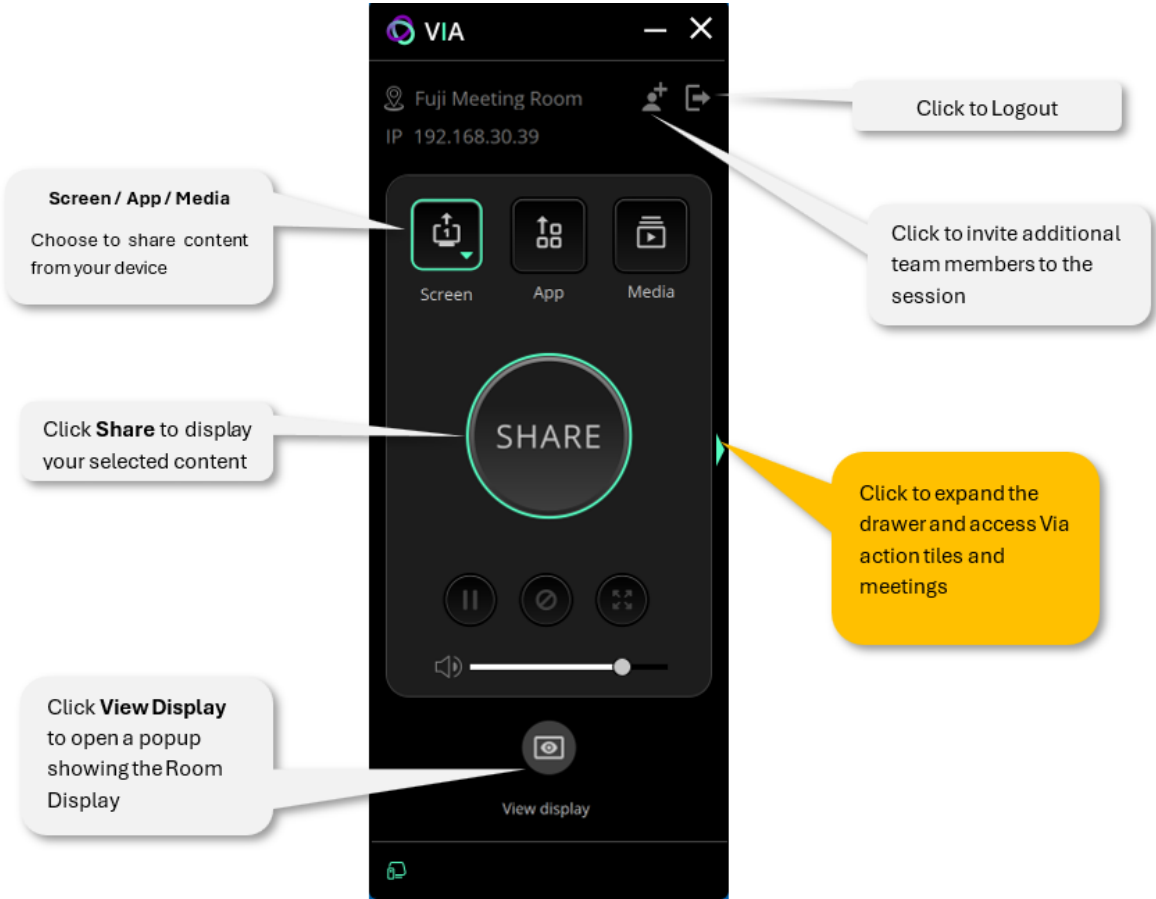
5.2.2.1 VIA Direct Connectivity (Cloud mode)

Click to open VIA client (Desktop Win/Mac or Mobile)

- Click to open VIA client, ensure VIA client connected to the same VIA box network
- VIA Client will display a 6-digit code
- Type the 6-digit code displayed on the main Display
- Click to connect



5.2.3 Using VIA App

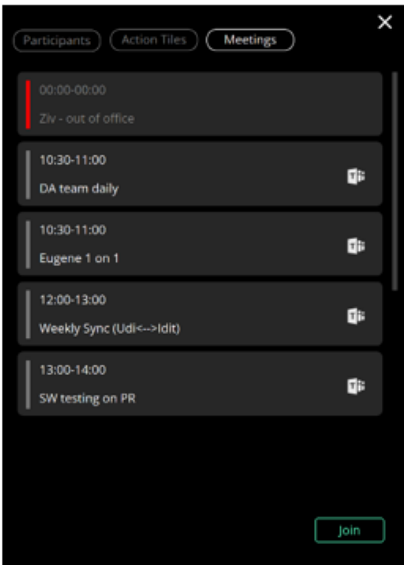
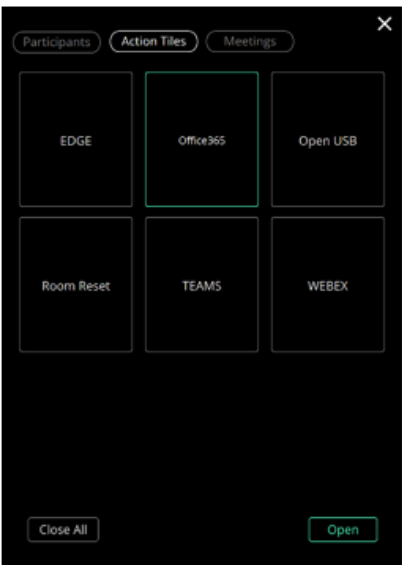
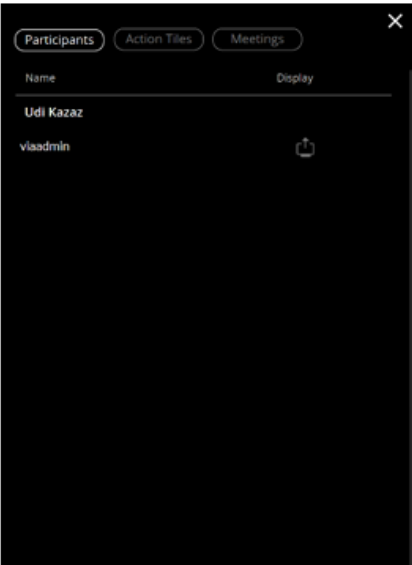


Expanding the drawer will reveal three tabs

See all users connected to VIA

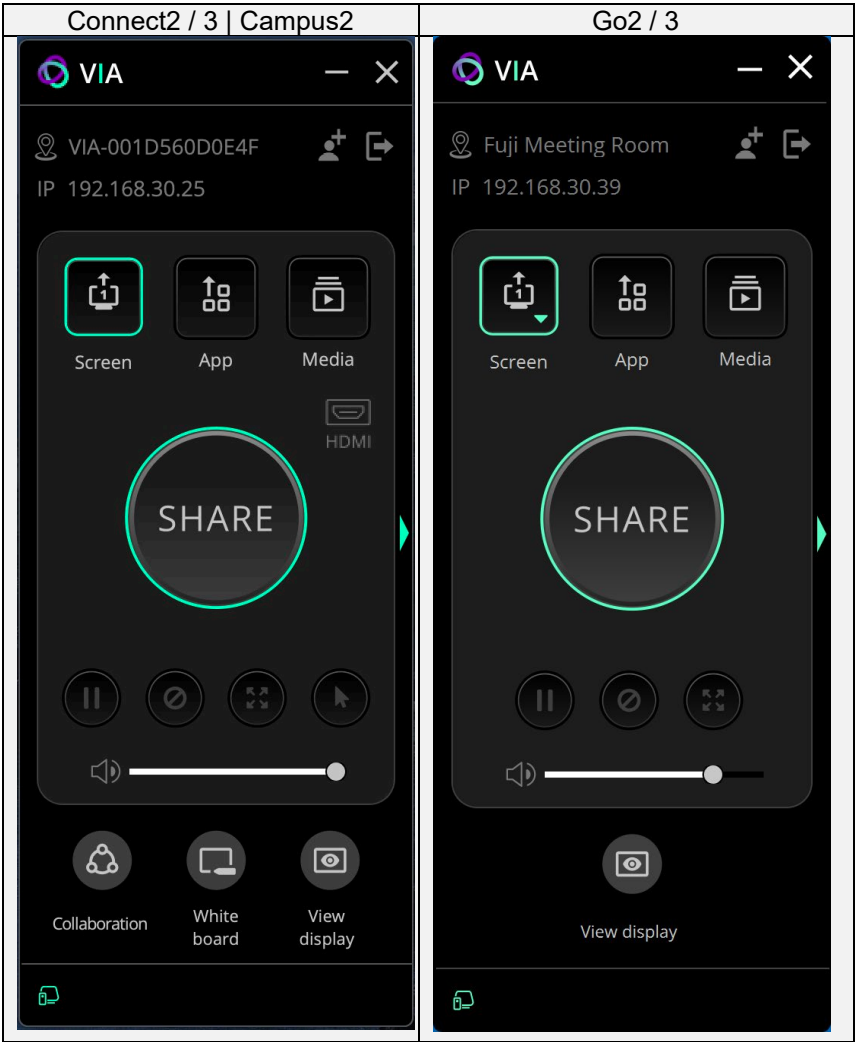
Click to open Action Tiles

Click to Join meetings



5.2.4 VIA App Overview

VIA Clients are available in two main modes: an advanced option with collaboration features, and a basic version focused primarily on presentation.



5.2.4.1 Logout icon



Clicking the Logout button will exit the room and return you to the VIA 6-digit code screen.

5.2.4.2 Room Invite icon



Clicking on Room Invite (add participant) allows the user to invite others to the meeting while using VIA web.

5.2.4.3 Sharing Content Options

5.2.4.3.1 Screen

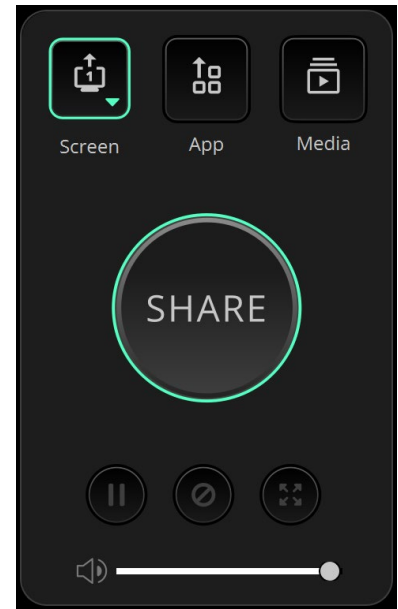
1. Click SHARE to share your connected computer screen.
 - Screen sharing is the default selection.

5.2.4.3.2 App

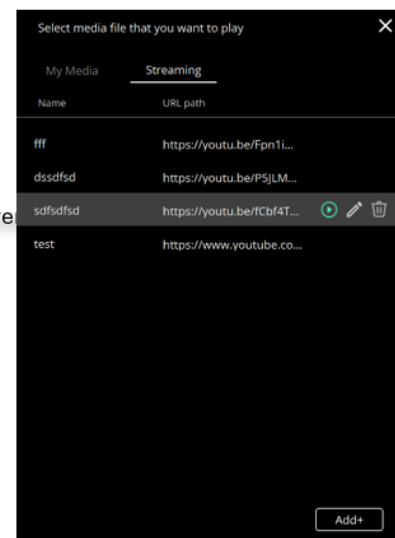
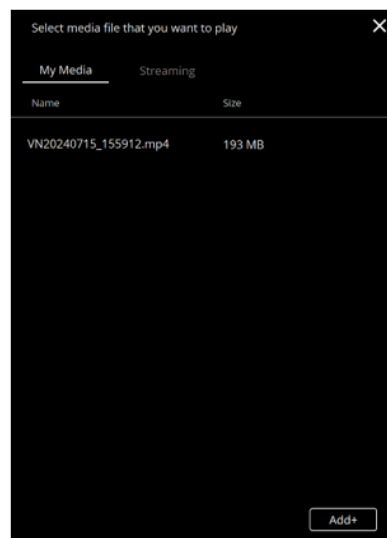
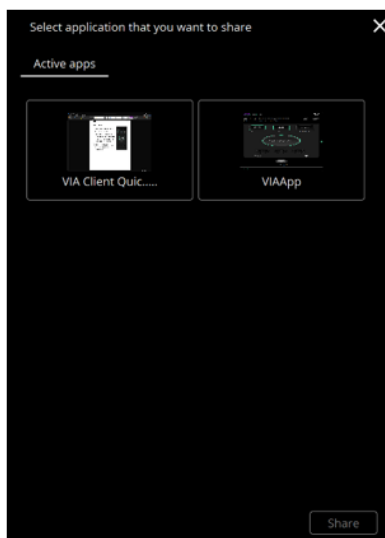
1. Click the App button to share a particular app's screen.
2. The **Active apps** window will open, displaying all the active (foreground) applications.
3. Select an active app and click Share on the window share button or on the main SHARE button.

5.2.4.3.3 Media

1. Click the Media button to share media.
2. The Media share window will open displaying My media (saved media) or Streaming (saved links).
3. Select an item and click the Play button or click on the main SHARE button.
4. Add Streaming button will allow users to add streaming media like YouTube and similar formats.



- Once play, VIA will direct stream the content without VIA client in the middle.



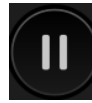
Clicking SHARE will minimize the VIA App window, allowing screen sharing without displaying the App window.

5.2.4.4 Sharing Content – Session functionality

5.2.4.4.1 Share Buttons

Click to pause sharing

Shared content stays static, letting you change your screen unseen.



Click again to resume sharing

Private sharing session

Clicking this button stops others from sharing simultaneously.

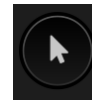


Maximize content sharing

Clicking it will remove all other displays to maximize your shared content.

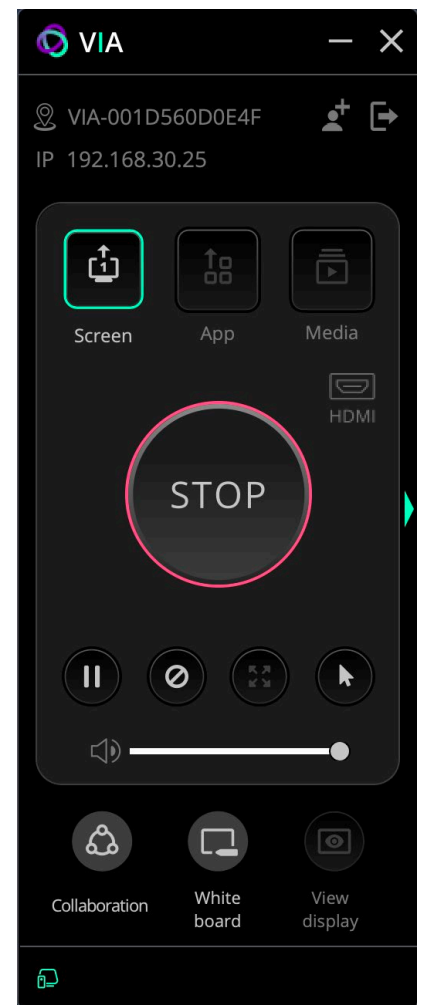


Remote Control (Supported models: Connect2/3, Campus2): Enables users to control the VIA client laptop directly from the main touch display.



Clicking **Stop** will end your content sharing.

The **volume slider** adjusts VIA connected speaker during sharing



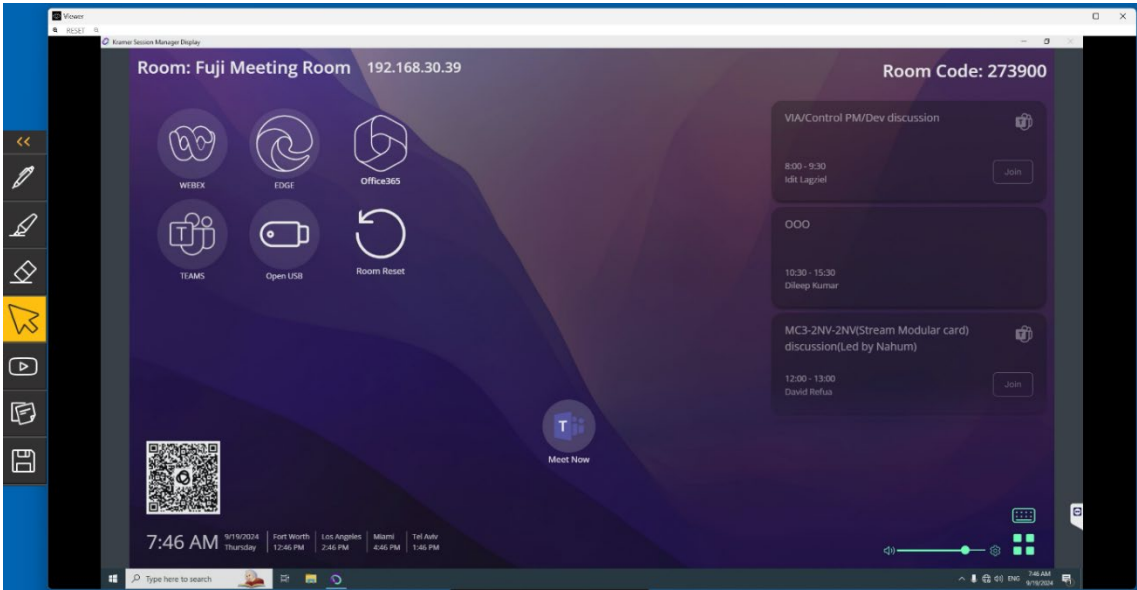
5.2.4.5 View Display

When the VIA App connects with no content shared, click **View Display** to see the main screen on your device. Useful for those sitting far away or preferring their own display.

Click on the View display button

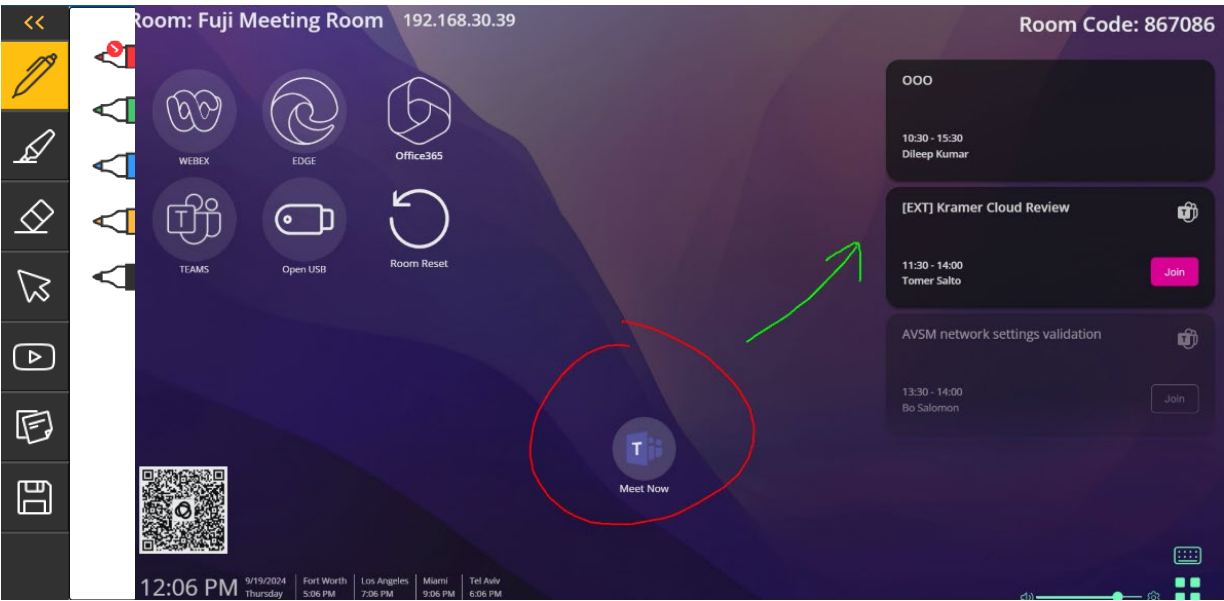


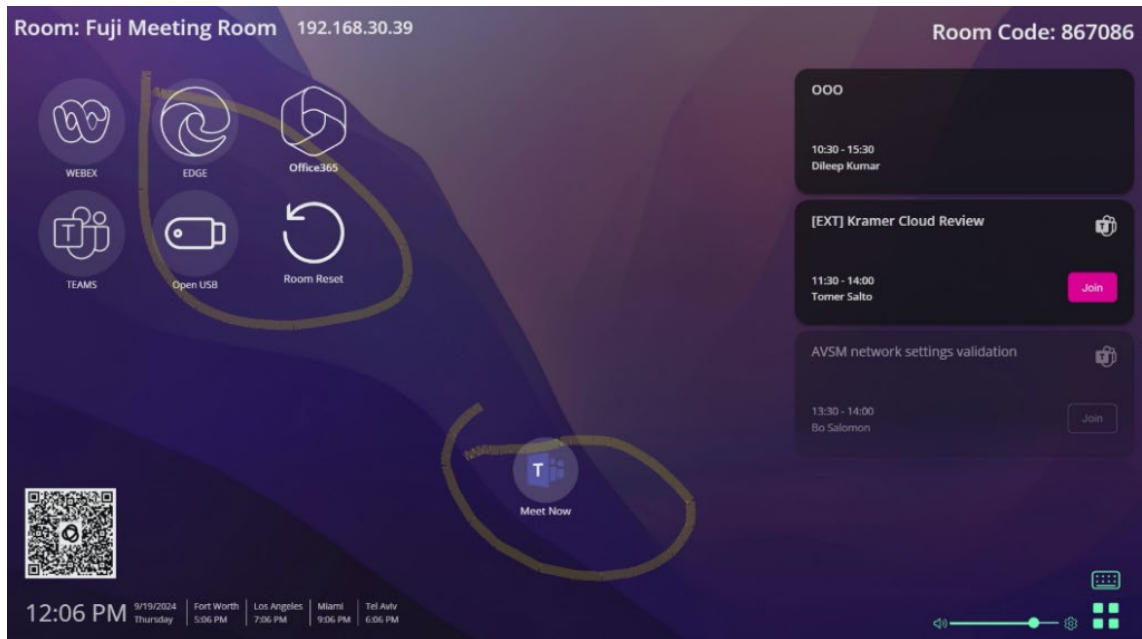
- 1. The VIA window popup displays the Main screen on the user’s private computer. This display will be on top of the VIA App displaying the display content.



5.2.4.5.1 Annotations

Users can decide to use annotations when View display opened.





Pen

When the pen is used, the view display will pause and will not show the live content until the annotations are saved



Highlighter

Adds semi-transparent color to emphasize content without hiding it.



Eraser

Eraser will allow users to delete their annotations



Save and Resume

A PDF file with the annotations will be created and saved in the My Documents\VIA Whiteboard folder



Create Notes

User can create notes and write comments, Save and Resume will also save the notes on top of the annotations if required



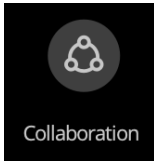
Save

Clicking save will store the annotations in a PDF, but the display will remain paused, allowing the user to continue working in the display space

5.2.4.6 Collaboration & whiteboard

Supported models: Connect2 / 3, Campus2 / Plus

Collaboration



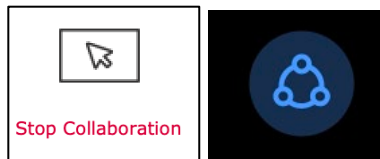
The Collaboration feature allows users to wirelessly interact with the VIA main display. Once enabled, moving the mouse cursor toward the top of the screen activates Collaboration mode. This gives users control of the VIA display, allowing them to interact with open applications—such as a browser or other software—directly from their own device using their mouse and keyboard.

Multiple users can interact simultaneously, each represented by their name alongside their mouse cursor on the main display. This creates a shared, real-time interactive experience.

In Collaboration-enabled VIA versions, users can also control their own laptops from the main room's touch display during a session. This means a user standing near the display can remotely access and operate their laptop—open files, browse folders, and more—without needing to return to their desk.



- Clicking on collaboration once enabled, an icon will appear on the top right corner allowing the user to cancel it from there if required.
- Collaboration button color will change to blue on VIA client, clicking again will also stop collaboration mode.



5.2.4.7 Whiteboard

The built-in Whiteboard is hosted locally on the VIA device and does not require an internet connection. It provides a digital space for drawing, sketching, writing, or brainstorming during meetings.

When used alongside the Collaboration feature, users can also control and interact with the Whiteboard wirelessly from their own devices, enhancing collaborative work during sessions.

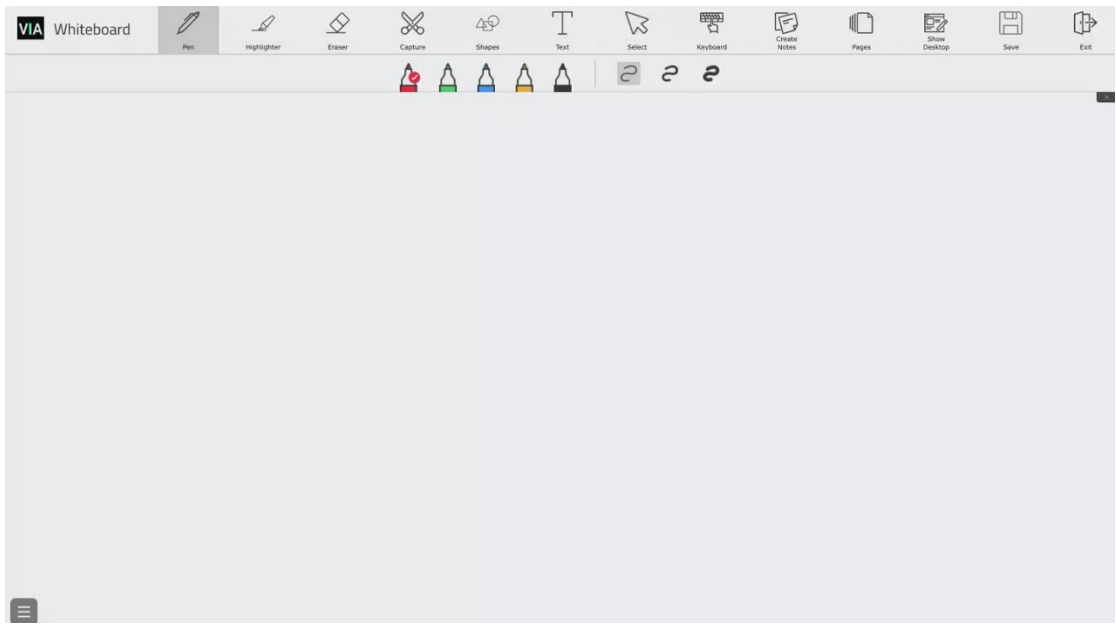


Clicking VIA client whiteboard button will open VIA whiteboard on the connected main display.

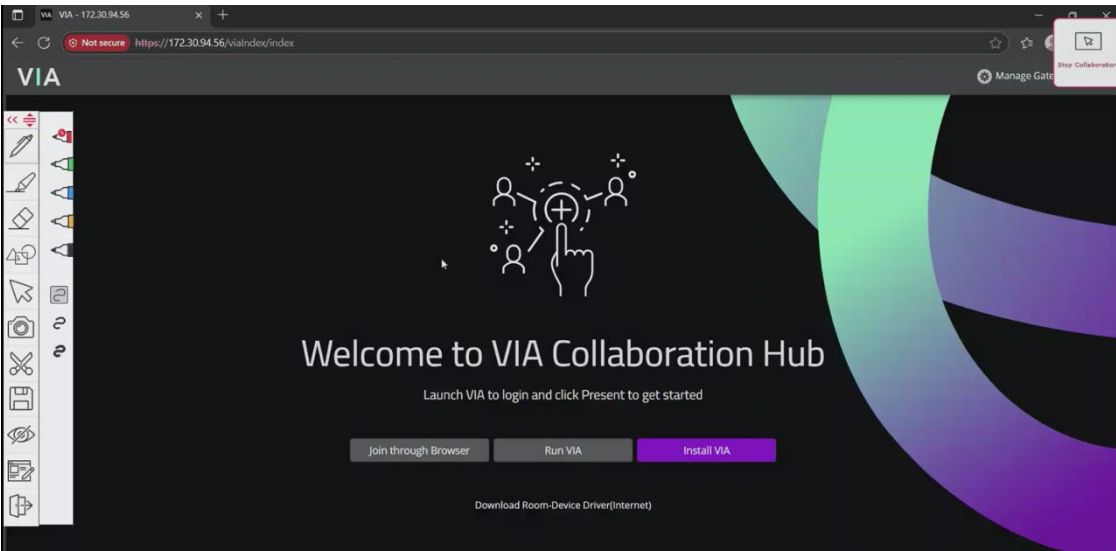


Using the Whiteboard:

1. In the Client App, click **Whiteboard**.



2. If another user is sharing, this window will be visible.



3. The session starts on the main display; the initiator enters **Collaboration mode**. To stop collaborator, click on stop collaborate, it opens a popup, click yes. Or, disable collaborator from client.

Whiteboard Tools



Name	Action
Pen	Draw on whiteboard. Adjust color/thickness via the corner menu.
Highlighter	Highlight in yellow.
Eraser	Erase drawings. Adjust thickness via the corner menu.

Name	Action
Window Capture	Capture active window.
Area Capture	Capture selected screen area.
Shapes	Draw shapes. Customize via the corner menu.
Text	Writes text on whiteboard
Selection	Move objects.
Keyboard	Opens virtual keyboard
Create Notes	Create notes on whiteboard
Pages	Can create/ add pages
Show desktop	It directs to the desktop view
Save	Save as .jpg or .pdf.
Whiteboard	Return to full-screen whiteboard.
Exit	Close the whiteboard.
Eye	To show/hide annotation (available only on Linux)
Web browser	Opens web browser (only on Windows)
Image	Inserts images on whiteboard (only on Windows)

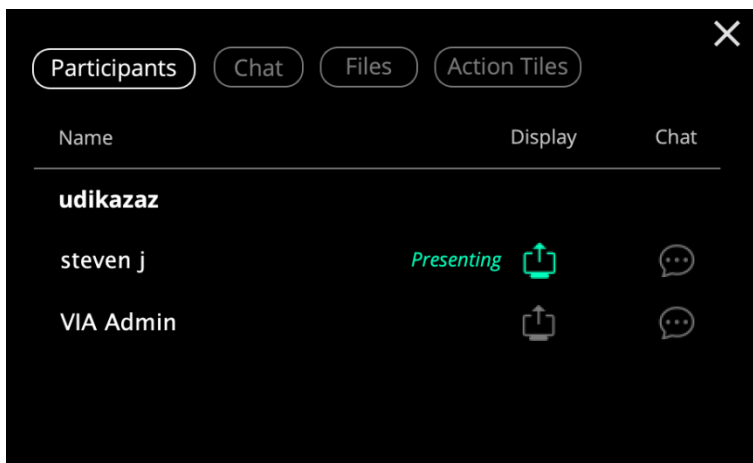
5.2.4.8 VIA Drawer applications

The VIA drawer enhances session management and collaboration by centralizing key tools in one accessible interface.

Clicking the VIA drawer expands a panel that provides access to additional in-session tools and features:

Participants List

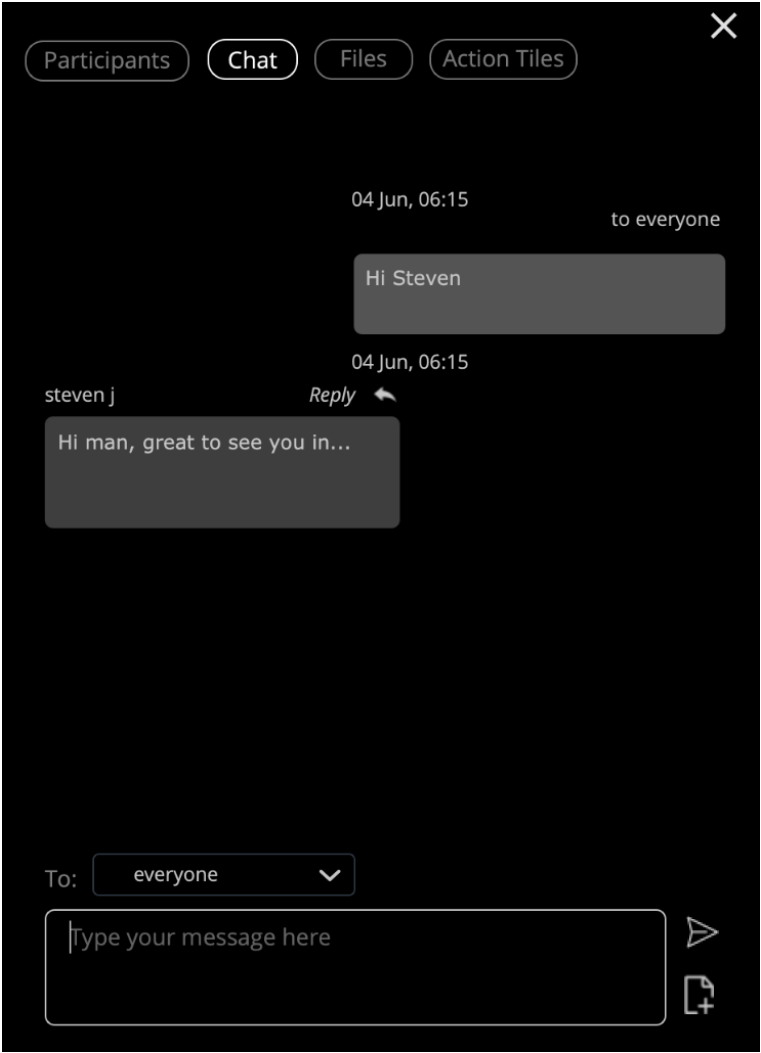
View all users currently connected to the session.



Chat

Send and receive messages with other connected users in real time.

- Users can also share files directly within the chat.



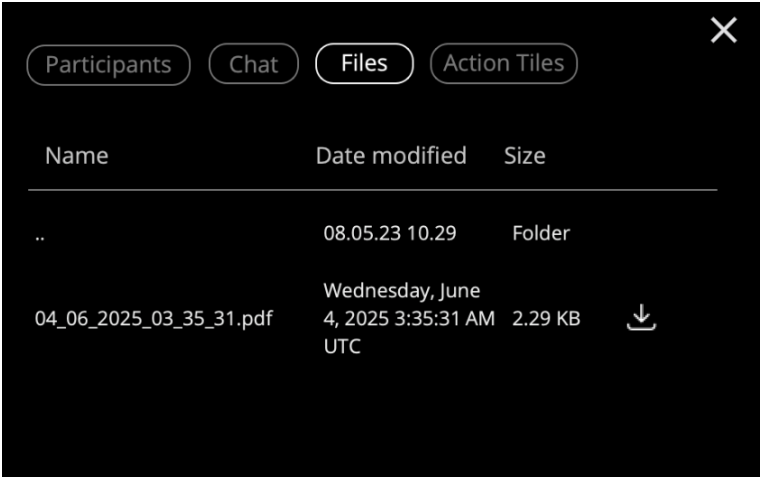
Shared Files

Access files that were uploaded or shared during previous sessions from within the room.

Note:

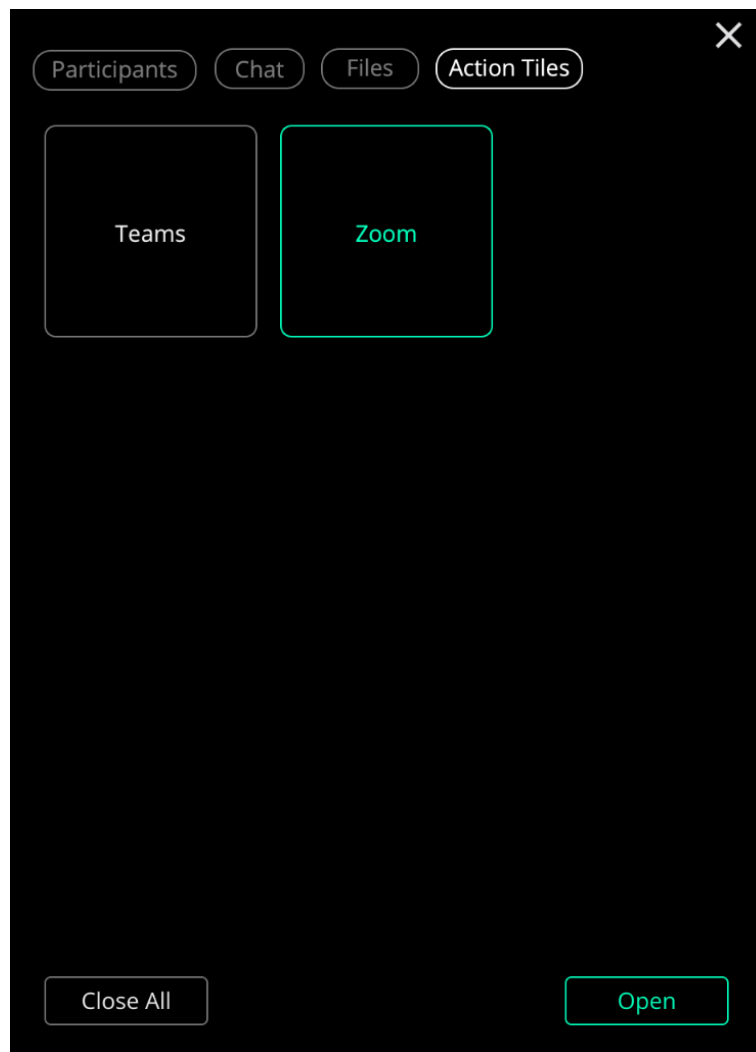


Currently, only files saved from the Whiteboard are displayed in this section.



Action Tiles

Launch predefined Web applications configured by the administrator.



Default applications provided > TEAMS, Zoom

- To use action tile, select any and click on Open
- Use the Close all buttons to close all open applications

Note:

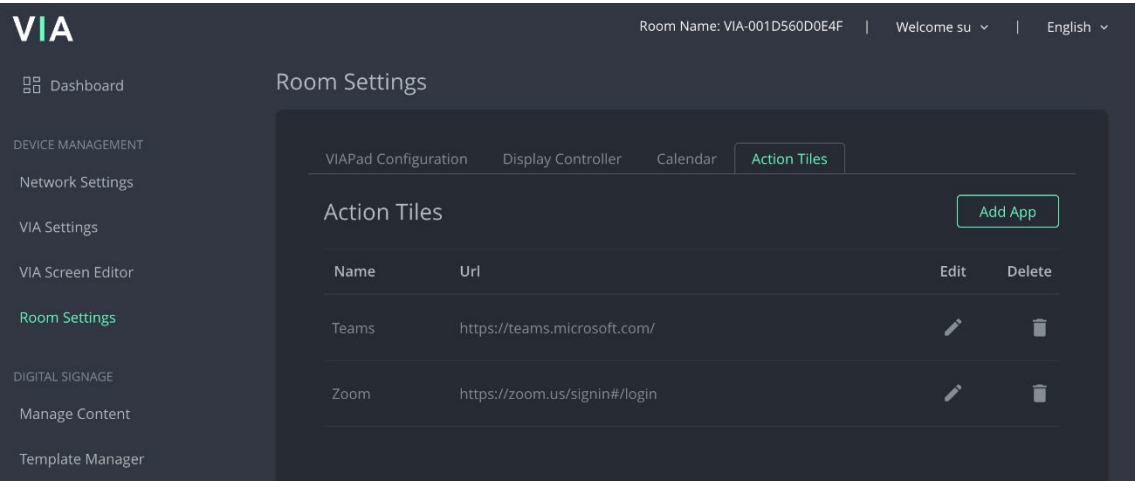
If all participants disconnect, VIA will automatically close all running applications after a short idle period.

This ensures the room is reset and ready for the next session with a clean state.

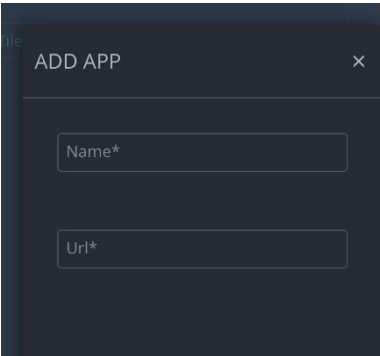
To add more Action Tiles:

1. Open a web browser and enter the VIA device IP address in the address bar.
2. Click the Login button in the top-right corner to access the management interface.
3. Enter your credentials to log in.
4. In the left-hand menu, navigate to Room Settings.

5. Select the Action Tiles tab to view and manage available tiles.



- 6. Click **Add App**.
- 7. Type Name and URL that should be used.
- 8. Click **Save**.



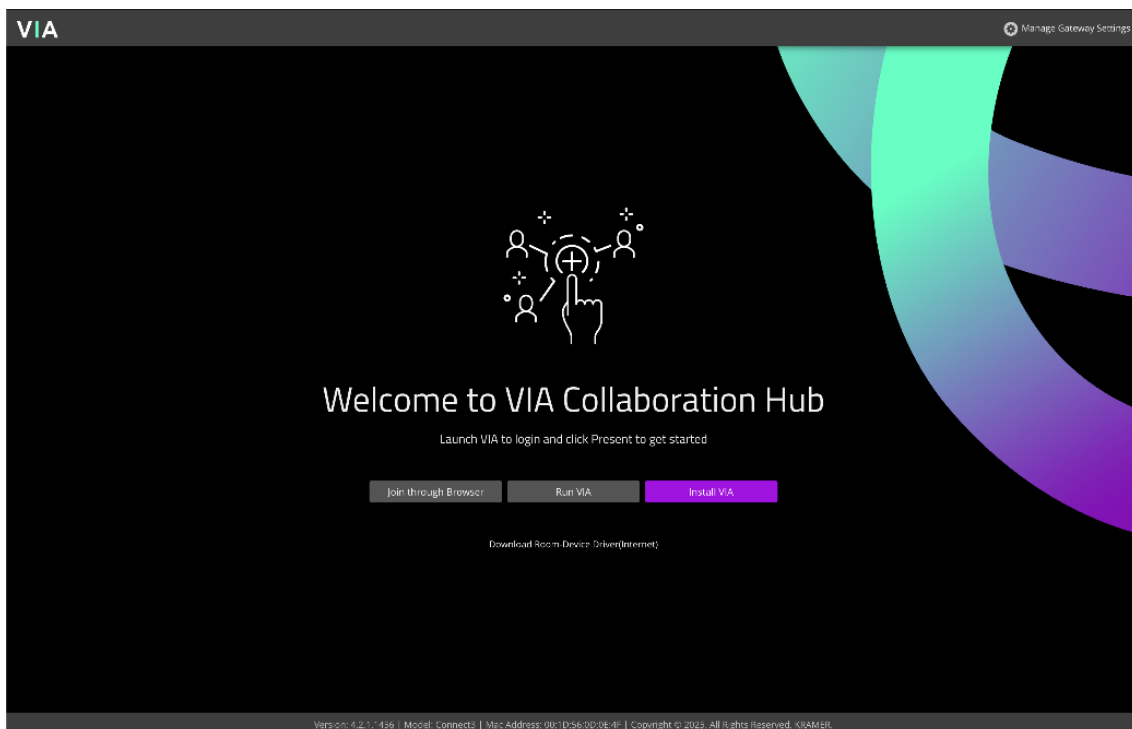
6 VIA Administration

In this section, we shift from the client-side experience to the administrative side of VIA.

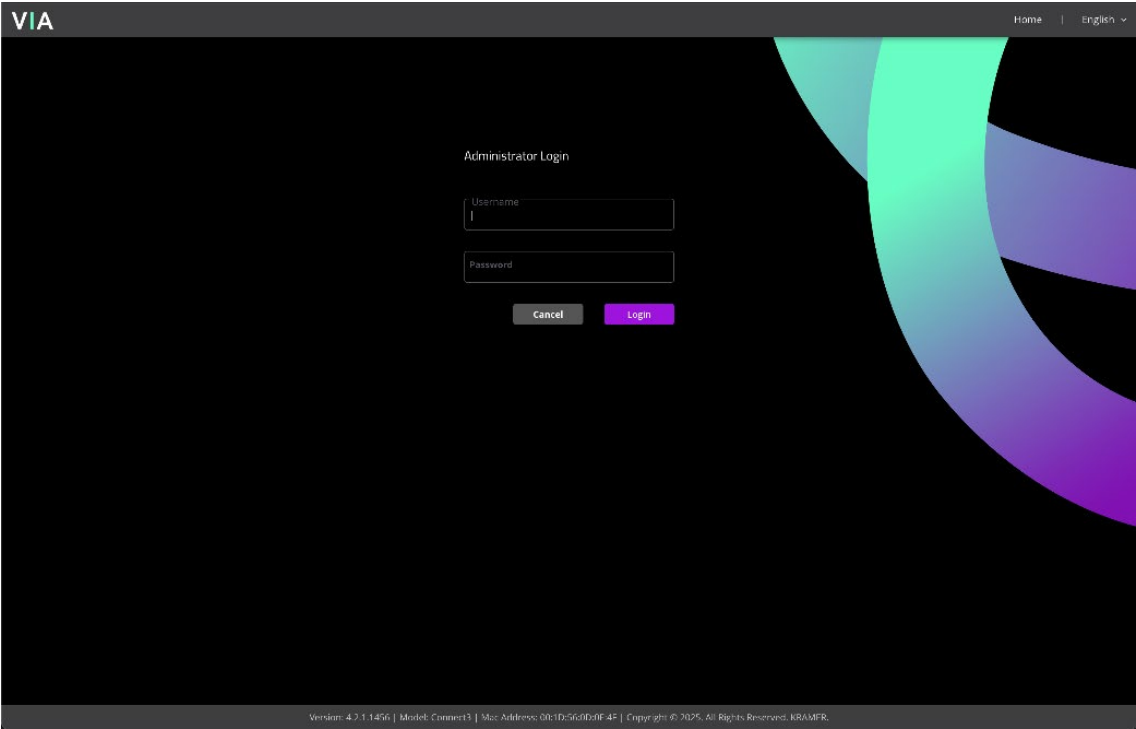
The VIA Gateway web interface enables administrators to manage key system settings and behavior, including network configuration, date/time synchronization, audio settings, and more.

6.1 Accessing the Web Interface

- Identify the IP address of the VIA device (displayed on the VIA welcome screen).
- Enter the IP address in a browser:

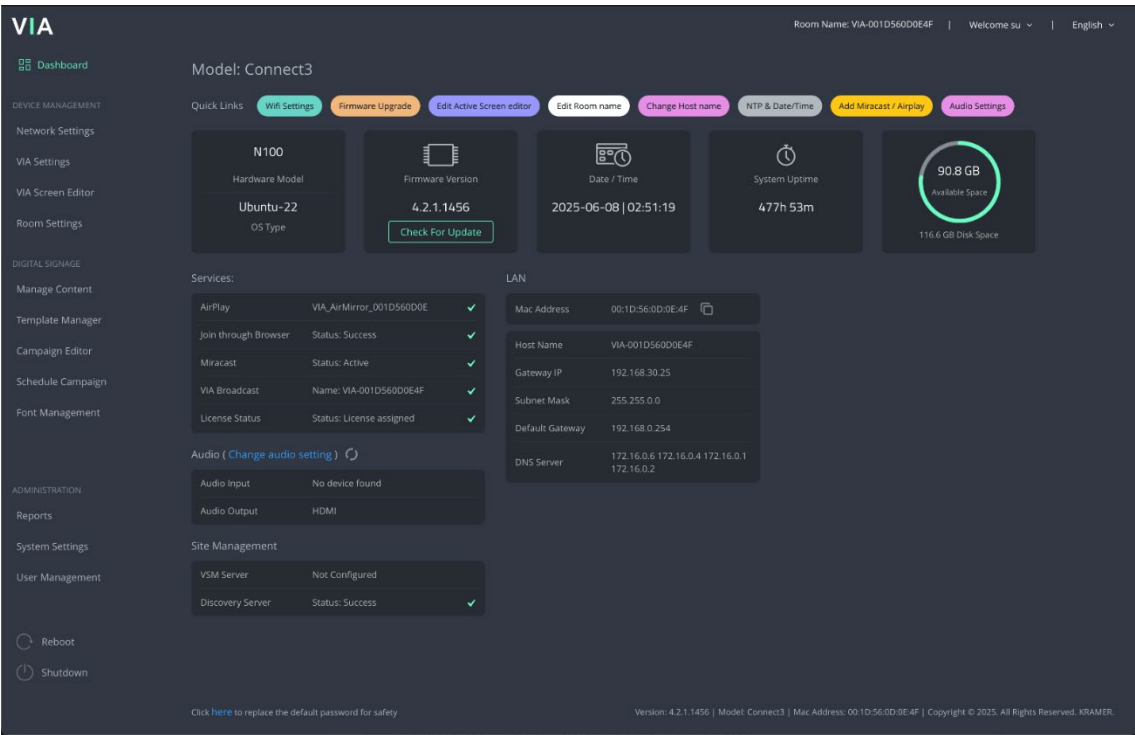


- Click on the upper right corner (Manage Gateway Settings) to log in using administrator credentials (default credentials should be changed immediately after setup)



6.2 Main Dashboard

The VIA Main Dashboard is the central interface for managing the VIA device. It provides real-time status, **quick** access to configuration tools, and system information.



6.2.1 Top Navigation

- Room Name: Displays the configured room name.
- User Menu: Access user settings, logout, or language preferences.

6.2.2 Quick Links Bar

Easily accessible buttons for commonly used settings:

- WiFi Settings – Configure wireless connectivity.
- Firmware Upgrade – Check for and install software updates.
- Edit Active Screen Editor – Modify the screen layout or content.
- Edit Room Name / Change Host Name – Update identifiers for easy management.
- NTP & Date/Time – Adjust system clock or sync with an NTP server.
- Add Miracast / Airplay – Enable/disable wireless display options.
- Audio Settings – Configure input/output audio devices.

6.2.3 System Information Cards

- Hardware Model – Shows hardware type and OS version.
- Firmware Version – Displays installed software version with update option.
- Date / Time – Shows current device time.
- System Uptime – Indicates how long the system has been running.
- Available Space – Shows free and total disk space.

6.2.4 Services Section

Displays the status of various streaming and connectivity services:

- AirPlay
- Join through Browser
- Miracast
- VIA Broadcast
- License Status

Green checkmarks indicate active or successful services.

6.2.5 Audio Settings

- Input/Output Sources – Lists connected audio input and output devices.
- Option to navigate to advanced settings via “Change audio setting” link.

6.2.6 LAN Settings

6.2.6.1 Network-related details:

- MAC Address

- Host Name
- Gateway & Subnet
- Default Gateway
- DNS Servers

Useful for troubleshooting and IT management.

6.2.6.2 Site Management

- VSM Server – Shows whether VIA is connected to Kramer's VIA Manager.
- Discovery Server – Status of automatic room/device discovery.

6.3 Left Sidebar Navigation - Device Management

6.3.1 Network Settings

6.3.1.1 LAN Settings

The LAN Settings page allows you to configure the wired network connection of the VIA device. You can choose between dynamic (DHCP) and static IP configurations, depending on your network environment.

The screenshot displays the 'Network Settings' interface. On the left sidebar, 'LAN Settings' is selected, with 'WIFI' as an alternative option. The main content area is titled 'LAN Settings' and features a 'Connection Type' section with two radio buttons: 'Static' and 'DHCP'. The 'DHCP' option is currently selected. Below this is the 'Network Information' section, which includes the MAC Address Information: 00:1D:56:0D:0E:4F. There are five input fields for configuration: 'Hostname*' (containing 'VIA-001D560D0E4F'), 'Gateway IP*' (192.168.30.25), 'Subnet Mask*' (255.255.0.0), 'Default Gateway*' (192.168.0.254), and 'DNS Server*' (172.16.0.6, 172.16.0.4, 172.16.0.1, 172.16.0.2). An 'Apply' button is located at the bottom right of the form.

6.3.1.2 Connection Type

DHCP (Default): The device will automatically receive its IP configuration from a DHCP server on the network.

Static: Manually enter the network settings. Choose this option only if your network requires a fixed IP.

6.3.1.3 Network Information

When Static is selected, you must manually fill in the following fields:

Hostname: A user-defined name that identifies the device on the network (e.g., VIA-001D56D0DE4F).

Gateway IP: The IP address of the router or gateway that connects to external networks.

Subnet Mask: Defines the size of the network. Common values include 255.255.255.0 or 255.255.0.0.

Default Gateway: Usually, the same as the Gateway IP.

DNS Server(s): IP addresses of DNS servers used to resolve domain names (you may enter multiple addresses separated by spaces).



These fields are pre-filled or hidden if DHCP is selected.

6.3.1.4 MAC Address Information

Displays the hardware (MAC) address of the VIA device. This is read-only and used for network identification.

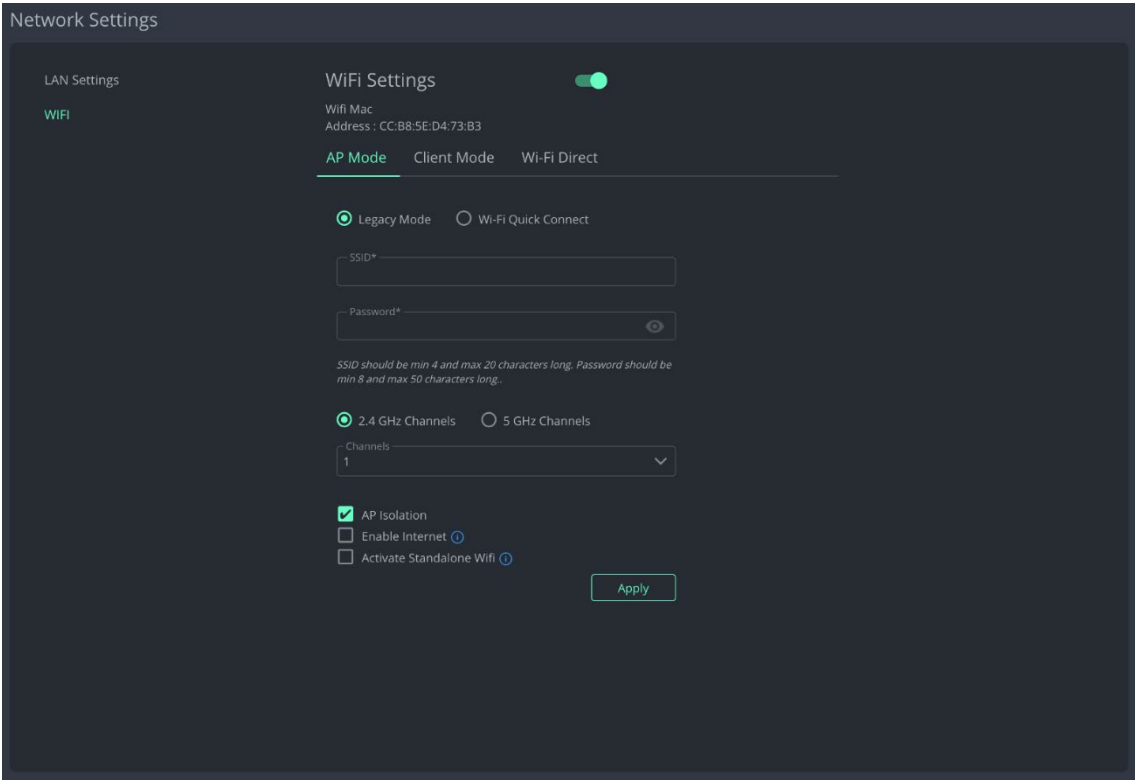
Apply Button: Once all changes are made, click Apply to save the settings.



- A network restart may occur, and the device may temporarily disconnect if IP settings are changed.
- Always consult your IT administrator before changing from DHCP to Static mode to avoid IP conflicts or connectivity issues

6.3.1.5 WIFI Settings

The WIFI Settings page allows you to configure how the VIA device connects to or broadcasts a wireless network. This includes enabling Access Point mode, connecting to an external WiFi network, or using Wi-Fi Direct.



Wi-Fi Toggle

Located at the top-right, this switch enables or disables WIFI on the device.



On all models except Connect3, WIFI and Miracast cannot be active at the same time. Only one of the two can be enabled at any given moment.

Modes of Operation

Tabs allow you to select one of three modes:

- **AP Mode** (Access Point): VIA acts as a WiFi hotspot.
- **Client Mode**: VIA connects to an existing WiFi network (not shown in this screenshot).
- **Wi-Fi Direct**: Enables peer-to-peer wireless connections without a router or customer network.

6.3.1.6 AP Mode Settings

Connection Types

- **Legacy Mode**: Traditional Wi-Fi access point mode.
 - **SSID** - Enter the name of the Wi-Fi network you want VIA to broadcast *Min 4, max 10 characters*

- Password - Enter a secure password for connecting to this WIFI network 8 characters.

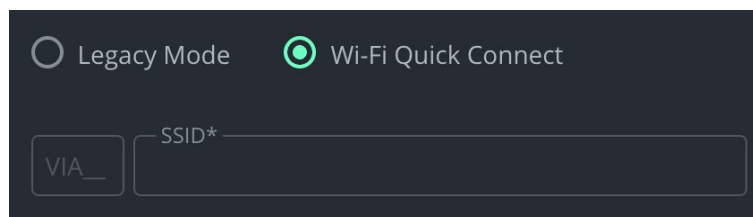
6.3.1.7 Channel Selection -

- **GHz Channels:** Better range, more interference.
- **5 GHz Channels:** Faster speed, shorter range.

Select a specific channel from the dropdown list.

6.3.2 Advanced Options

- **AP Isolation** - When enabled, devices connected to this AP will not be able to communicate with each other. Recommended for privacy and security.
- **Enable Internet** - Allows the VIA device to share internet access over Wi-Fi when applicable.
- **Activate Standalone WIFI** - Allows the VIA device to run independently with its own Wi-Fi network, even without LAN.
- **Wi-Fi Quick Connect:** Simplified configuration flow
 - Quick Connect mode automatically adds “VIA” as a prefix to the AP name.
 - This allows VIA clients to easily detect and display available VIA access points.



Apply Button - Click Apply to save and activate the new Wi-Fi settings.



- A network restart may occur, and the device may temporarily disconnect if IP settings are changed.
- For environments with strict IT policies, coordinate Wi-Fi configurations with your network administrator to avoid conflicts or unauthorized access.

6.3.2.1 Client Mode

Client Mode allows the device to connect to the internet via the organization's Wi-Fi network instead of a wired (Ethernet) connection.

AP Mode **Client Mode** Wi-Fi Direct

No Network is Selected

Available Networks
Select

Click Here to Scan all Networks

☐ Hidden Network

☐ Enable Dual Network

Apply

- When Client mode open, click to scan all networks.
- Once done, click to select the preferred WIFI network you want to use.
- Once selected, you need to type in user/pass and apply.

Network
K_WIFI

Click Here to Scan all Networks

☐ Hidden Network

☐ 802.1x (TLS Certificate)

Username

Password

6.3.2.2 WIFI Direct

The Wi-Fi Direct mode allows VIA to create a secure, peer-to-peer wireless connection between the VIA device and a user's laptop without using the organization's network.

Key Benefits

No IT Integration Needed: Bypasses the customer's internal network, removing the need for complex firewall or IT approvals.

Instant Connection: A virtual wireless link is created between the laptop and VIA, while the laptop's original Wi-Fi internet connection remains unaffected.

Hardware-Free Experience: Unlike other solutions (e.g., Barco or Crestron dongles), no external USB dongles are required—users simply connect using native capabilities.

User's Mode:

- Standalone: VIA creates a direct wireless network independent of any LAN.
- With LAN: Combines Wi-Fi Direct with existing LAN functionality (optional, advanced use).

SSID:

- Custom name for the Wi-Fi Direct network (auto-prefixed with VIA_D_).

PIN:

- Required for secure connection. Users will enter this on their device when connecting.
- Channel Selection:
- Choose between 2.4 GHz (greater compatibility) and 5 GHz (higher speed) bands.

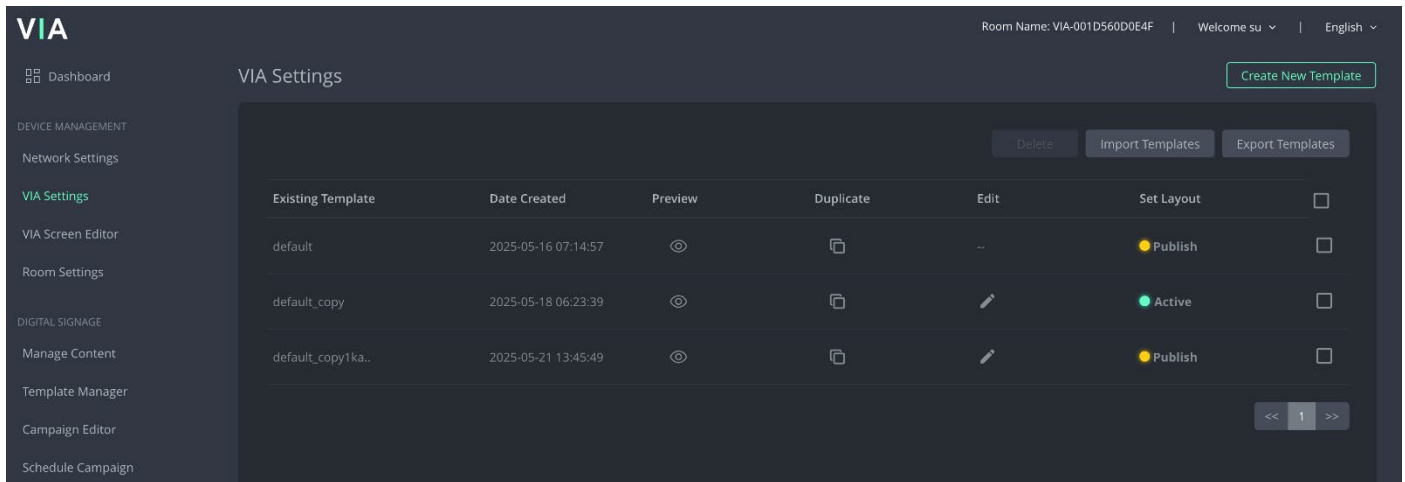
6.3.3 VIA Settings

VIA Settings section is the central hub for configuring core system features and behavior. From here, users can manage a wide range of VIA device settings, including:

- Security, Presentation, HDMI, Moderator mode, Audio and more.

Users can create, duplicate, preview, and publish templates to apply customized configurations, making it easy to standardize settings across multiple rooms or devices.

This section ensures VIA operates according to the specific needs of your environment—whether for enterprise, education, or collaboration spaces.



- If changes required for VIA settings, please click Duplicate on the duplicate icon.
- Click Edit on the duplicate template.
- Export / Import can be used in case you want to reuse a specific setting in multiple VIAs.
- Duplicate > work on settings, once done, click to export and use the same page in other VIAs to import and apply.



In case you only need to view, click on the default setting on the Preview icon

6.3.3.1 System Edit

The System tab lets you define the core behavior of the VIA device template, including the room identity, power-saving behavior, menu visibility, and API integration mode.

Most settings are self-explanatory within the interface. However:

- Room Name: Choose Host to auto-assign the name based on device hostname or Custom to set a fixed room name.
- Energy Saver Mode: When enabled, the display will automatically turn off after a defined period of inactivity.
- Quick Client Access: Adds a shortcut icon to the bottom-left of the screen for easier user access.
- API Settings Command: Choose between secure or non-secure API communication. Use secure mode when integrating with remote control systems.

System

Template Name

default_copy

Room Name

Custom

Host

VIA-001D560D0E4F

Activate System Log

Activate Energy Saver Mode

Sleep Time

Sleep Time (Seconds)

5

Quick Client Access

Places a shortcut in the bottom left corner of the main display to open the VIA menu.

Quick Client Access - Always on Top

The VIA menu icon can be set to be always on top or can be set so that users content will hide the VIA menu bar while presenting.

API Settings Command

Secure - API Commands can be sent to the VIA gateway securely over a TLS port.

Non-Secure - API Commands can be sent to the VIA gateway on a non-secure, plain-text port. Use this mode if your controller does not support TLS.

Secure

Non Secure

Language

Select Language

English

Broadcast

Hide VIAAdmin at the client side

Hide the VIAAdmin user from the Participants list on VIA and in the VIA client.

6.3.3.2 Presentation Edit

The Presentation section controls how users connect and interact with VIA for wireless sharing, including Airplay, Miracast, browser access, and annotation features. Most settings are self-explanatory in the interface and can be toggled as needed.

Important Notes & Recommendations:

- **Airplay Mirror Name**
For easier identification in busy environments, use a consistent naming convention (e.g., room or device ID).
- **Miracast Mode**
 - Wi-Fi Direct enables seamless peer-to-peer sharing without needing access to the customer's network.
 - Infrastructure Mode supports multiple presenters but requires proper LAN setup and is limited to local networks.
- **Annotation Options**
 - Local Annotation keeps annotations private to the presenter.
 - Public Annotation shares them live on the VIA screen using built-in

tools. Enable with discretion to avoid accidental disruptions.

- **Auto Disconnection**

Useful in cases of unstable connections. Set appropriate thresholds only in environments with known signal variability.

Presentation

iOS Mirroring
The VIA gateway will act as an Apple® AirPlay receiver.

Mirror Name*
VIA_AirMirror_001D560D0E

Maximum # of mirrored IOS Devices
2

Splash screen configuration
Join through Browser
Allow users to connect to VIA from a web browser.
Run VIA
Allow users to install virtual client from splash screen
Install VIA
Allow users to download VIA Setup from splash screen

Miracast Settings
VIA supports Miracast connectivity on all models.VIA GO, Connect PRO & Connect PLUS will require the addition of a Kramer VIAcast dongle to enable this feature.

☐ 1 Presenter (Wifi Direct)
☒ 2 Presenters(Infrastructure-limit to local network)

Show Username

Advanced
Do Not Disturb
Users will have the option to enable / disable Do Not Disturb to prevent interruptions during their presentation.
HDMI to VMD
When enabled the VIA will no longer function like the typical wireless presentation device it does today. Wireless presentation will not be allowed from the VIA client application from ANY connected apps. When a user connects with the VIA client application, they will immediately be shown the View Main Display (VMD) and will not be given any other options.
VMD
Local Annotation
Users can annotate locally on their device while using the View Main Display feature.
Public Annotation
Users can start public annotation while using View Main Display. When public annotation is started, the users' local annotation will appear live on the VIA's main display. VIA's whiteboard tools will be shown.
Presentation Always in full Screen
VIA will only show one user's presentation at a time. When a new presentation is started, all other user's presentation will be stopped.
Auto Disconnection

Deviation (RSSI units)
15

Attempts
3

6.3.3.3 Power Edit

This section allows you to schedule automatic shutdown and reboot routines for the VIA device.

Power

Auto Power Off Timing
Set a time for the VIA gateway to automatically shut down each day.

Time of Day - Hours: 00
Minutes: 00

Auto Reboot Timing
Set a time for the VIA unit to automatically reboot each day.

Time of Day - Hours: 00
Minutes: 00

Important Notes:

- Use Auto Power Off to conserve energy outside working hours (e.g., nights/weekends), especially in environments with many always-on devices.
- Avoid scheduling both shutdown and reboot at overlapping times, as it may cause conflicts or unintended behavior.
- These timers operate based on the system clock, so ensure Date & Time / NTP settings are correctly configured.

6.3.3.4 Date / Time & NTP Edit

This section defines how time is displayed in the VIA interface, sets the device's time zone, and configures time synchronization using an NTP server.

Date/Time

Date and Time Format for Web interface
Date Time Format: Y-m-d HH:MM:SS

VIA Gateway Timezone Configuration
Sets the Timezone on the VIA gateway.
Timezone: UTC

NTP
Set a time for the VIA gateway to automatically start each day.
NTP Server*: [field] [info icon] [Save]

NTP Server Name	Edit	Delete
time.google.com	[edit icon]	[delete icon]

Important Notes:

- Set the correct time zone before enabling auto power or reboot schedules. Power events follow the system clock, which depends on the time zone setting.

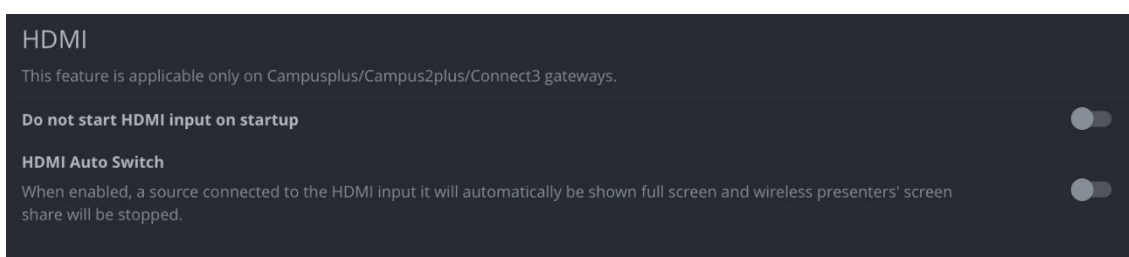
- Using NTP (Network Time Protocol) ensures accurate and consistent time. This is critical for:
 - Logging and system event tracking
 - Time-based rules like auto power-off or reboot
 - Certificates and secure API access (TLS)
- Custom NTP servers can be defined if your organization uses internal time sources (e.g., Active Directory, firewall-enforced environments).
- Date/time display format only affects how time appears in the web UI—it does not impact system behavior.

6.3.3.5 HDMI Edit

These options manage how the VIA device handles HDMI input behavior.



Available only in connect2 / 3, Campus2 Plus



Important Notes:

- HDMI Auto Switch is useful in environments where HDMI input (e.g., laptops or room PCs) should take priority. When enabled, any connected HDMI source will override wireless presentations.
- “Do not start HDMI input on startup” should be enabled in wireless-first environments to avoid unnecessary HDMI capture at boot.
- Avoid using HDMI Auto Switch in rooms with frequent wireless use to prevent disruption of active presentations.

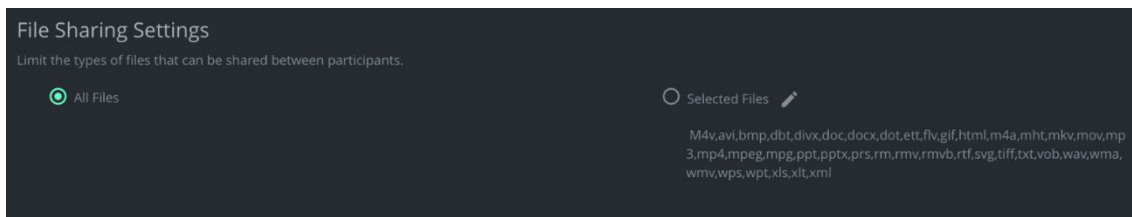
6.3.3.6 End of meeting Edit

These options manage how VIA device handles end of meeting.



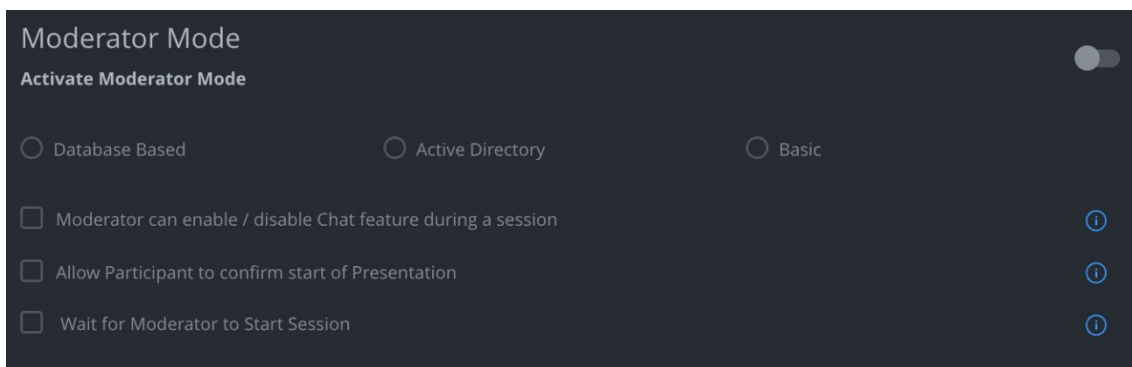
6.3.3.7 Files Sharing Edit

These options manage which files can be shared cross participants using VIA client.



6.3.3.8 Moderator mode Edit

This section enables Moderator Mode, allowing a designated person—such as a teacher or meeting host—to manage presentation control and session flow.

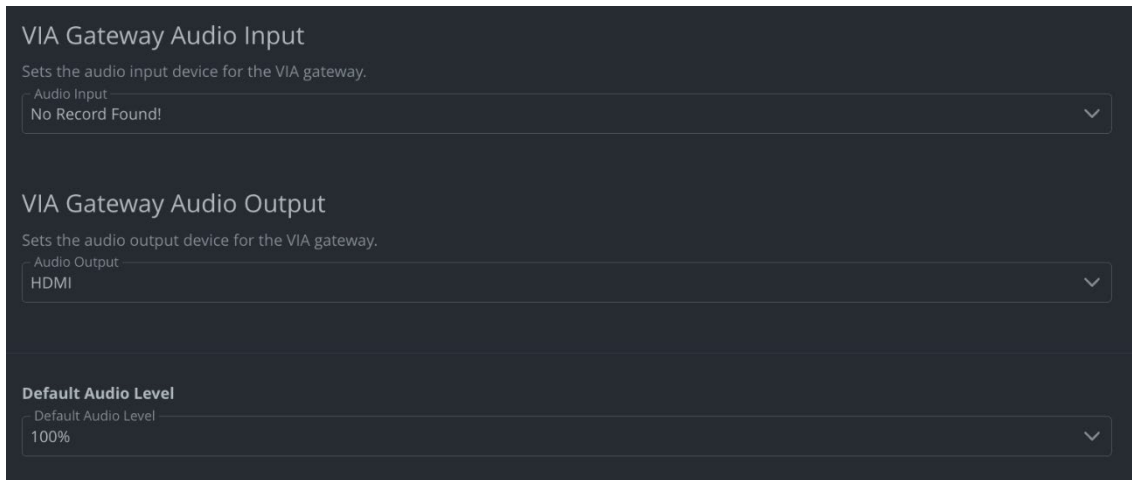


Important Notes:

- When enabled, all presentation and sharing actions are moderated, ensuring a secure and organized session.
- You can choose from different user verification methods: Database, Active Directory, or Basic (local management).
- Ideal for classrooms or high-control meeting rooms, where you want to:
 - Prevent unauthorized screen sharing.
 - Control when a session starts.
 - Manage participant interaction (e.g., chat permissions).
- When using Active Directory, ensure domain connectivity is properly configured for authentication.

6.3.3.9 Audio Edit

This section allows you to define the audio input and output devices for the VIA gateway, as well as set default output volume level.



The screenshot shows a dark-themed configuration window titled "VIA Gateway Audio Input". Below the title is a subtitle "Sets the audio input device for the VIA gateway." and a dropdown menu labeled "Audio Input" with the text "No Record Found!". Below this is another section titled "VIA Gateway Audio Output" with a subtitle "Sets the audio output device for the VIA gateway." and a dropdown menu labeled "Audio Output" with the text "HDMI". At the bottom is a section titled "Default Audio Level" with a subtitle "Default Audio Level" and a dropdown menu showing "100%".

Important Notes:

- Audio Input may show “No Record Found” if no physical microphone or audio capture device is connected or recognized by the system. This is expected on devices without built-in audio input.
- Audio Output defaults to HDMI but can be set to other available outputs like analog or USB if supported by the device.
- Default Audio Level controls the system’s startup volume. Adjust this to avoid sudden loud playback when the device powers on or restarts.
- Always verify the selected devices are connected and supported by the VIA model in use.

6.3.3.10 Security & Certificate Edit

This section manages access control, password policy enforcement, session timeout, and certificate-based HTTPS configuration.

Security

Web Session Timeout

Session Timeout
2 Hours

Captcha

Enable or Disable captcha for web admin login.

☐

Password Policy

Settings designated below will be enforced for created user accounts.

Alphanumeric

☒

At least one special character

☒

At least one capital letter

☒

Minimum password length

Apply password policy on basic mode

☐

Certificate

Certificate file (Support format Apache Webserver) - required
(Password protected certificate is not supported.)

copy and paste your certificate

copy and paste your key

Important Notes:

- **Web Session** Timeout helps limit exposure in unattended browser sessions. Adjust to balance security and usability based on your environment.
- **Password** Policy is strongly recommended in environments with multiple admin accounts. Enforcing alphanumeric, special character, and capital letter rules increases protection.
- Apply policy on basic mode ensures even locally managed (non-directory) users meet the same security standard.
- **Captcha** adds a basic layer of bot protection for the web admin login but may be disabled in closed or internal networks.

- **Certificate Upload** allows enabling secure HTTPS access to the VIA web admin.
 - Only standard (non-password protected) Apache-format certificates are supported.
 - Paste the certificate and key directly uploading via file is not currently supported.

6.3.3.11 Streaming Edit

This section enables the VIA gateway to broadcast its screen content over the network using streaming protocols to other VIAs within the same network (Active Classroom scenario).

Streaming

Activate Streaming

Support Streaming Protocols: TCP - unicast / UDP - unicast & multicast.

URL Samples:

udp://<IP Address>:<Port> udp://192.168.1.5:4444

tcp://<IP Address>:<Port> tcp://192.168.1.5:5555

rtp://<IP Address>:<Port> rtp://192.168.1.5:6666

Streaming URL

Enter the address that VIA will use to broadcast.

Note: To change the Streaming URL the service must first be stopped. Then the URL can be changed and Streaming can be turned on again.

Important Notes:

- **Supports UDP, TCP, and RTP protocols** — unicast and multicast are both available. Use based on your network topology and receiver compatibility.
- **To change the Streaming URL**, you must first stop the stream. Only then can the URL field be edited, and streaming restarted.
- The configured URL must match the expected format (udp://, tcp://, or rtp://) and be accessible by the receiving endpoint.
- Ensure that firewalls and multicast settings are correctly configured on the network if using UDP multicast.

6.3.3.12 Proxy Edit

This section allows the VIA device to route internet-bound traffic through a proxy server—useful in enterprise environments with controlled internet access.

Proxy Server

Server Address*

Port Number*

User Name

Password

Proxy URL*

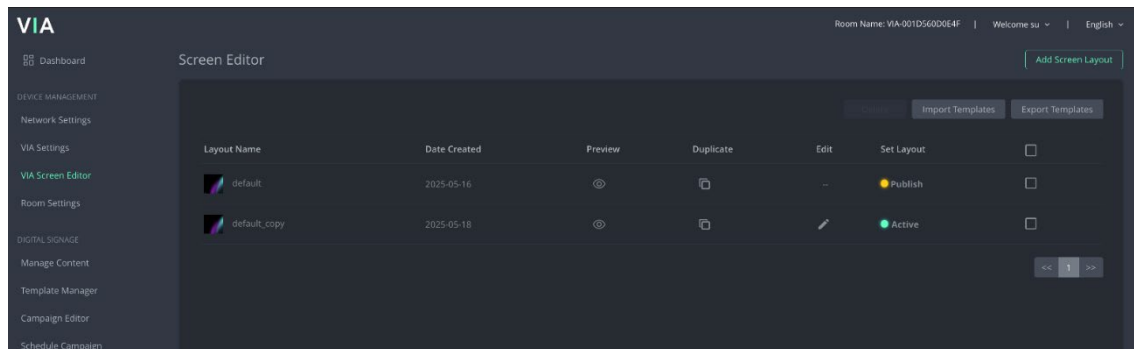
Test Proxy Server

Important Notes:

- Ensure the proxy allows traffic to necessary external services (e.g., firmware updates, NTP servers, cloud APIs).
- Misconfigured proxy settings can block VIA from accessing online resources.

6.3.4 VIA Screen Editor

The Screen Editor allows users to create and manage the visual layout displayed on the VIA main screen. This includes background visuals, button placement, branding, and interactive elements.



- Use Add Screen Layout to design a new interface for specific rooms or use cases.
- Layouts can be duplicated and modified, making it easy to build variations without starting from scratch.
- You can preview layouts before publishing them to a device.
- Only one layout can be marked as Active at a time—this is the version currently displayed on the VIA screen.
- Use Import/Export Templates to share layouts across different devices or back them up for future reuse.
- Once ready, click publish to swap to the required template (it might take few seconds to complete).

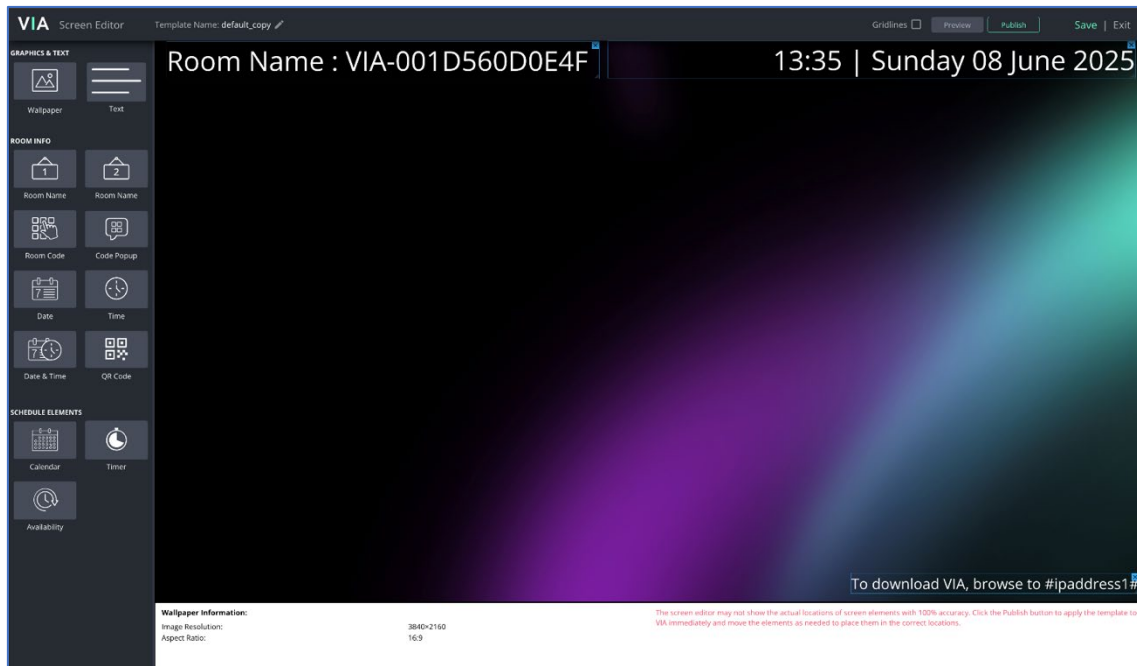


The default layout is not editable. To make changes, please duplicate it first and edit the copy.

6.3.4.1 Edit Template

The VIA Screen Editor allows users to customize the layout and content displayed on the VIA splash screen. This includes room information, date/time elements, custom messages, and visual branding.

- You can drag and drop any element to reposition it on the screen.
- Double-click on text or code elements to edit their content.
- Element borders will show when selected; use corner handles to resize.
- The preview may not reflect exact placement, especially on high-res displays. Always click Publish, then verify positioning on the actual device.



Top Bar

- Template Name: Shows the name of the layout you're editing. Click the pencil icon to rename.
- Gridlines / Preview / Publish / Save / Exit:
 - Gridlines: Toggle to align elements.
 - Preview: View a live approximation of your layout.
 - Publish: Apply the template to the active VIA system.
 - Save: Store the template without publishing.
 - Exit: Close the editor.

Canvas Area

- The center of the screen displays the editable canvas. Items placed here reflect what will appear on the VIA display.
- Elements can be resized, repositioned, or deleted directly on the canvas.

Left Toolbar: Graphics & Text

- Wallpaper: Set a background image (must match resolution/aspect ratio shown below).
- Text: Add custom text blocks anywhere on the screen.

Left Toolbar: Room Info

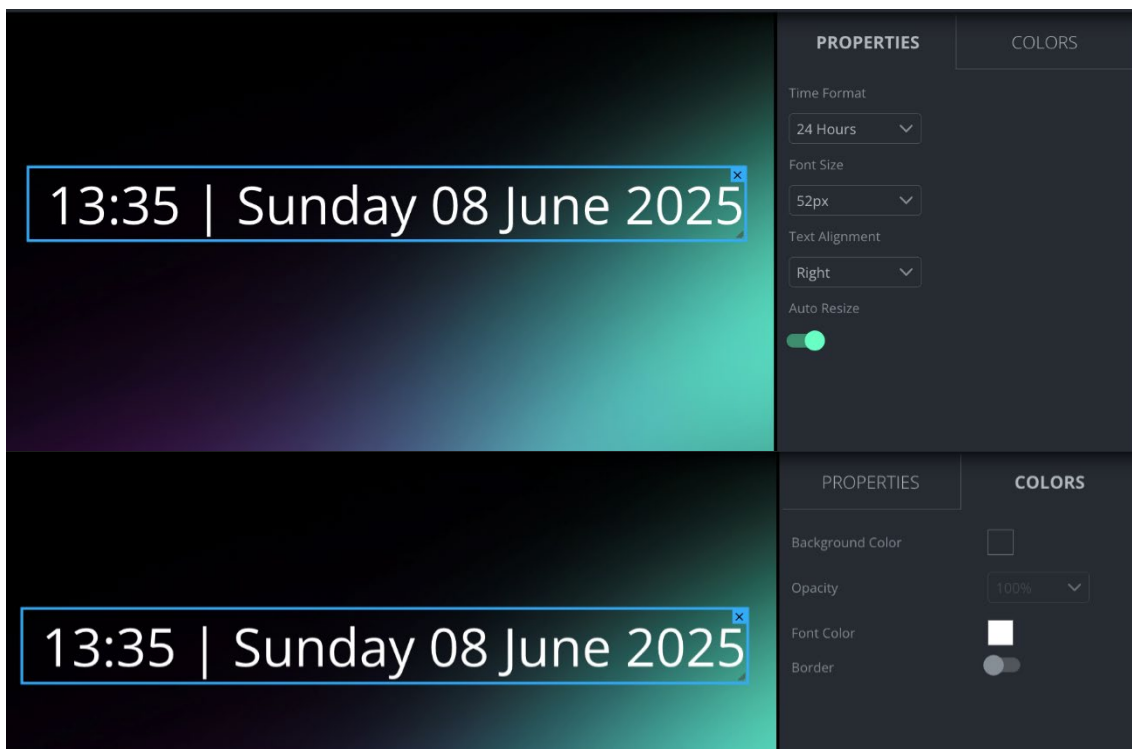
- Room Name / Room Code: Displays the configured VIA room or ID.
- Code Popup: Adds a clickable code element to help users join easily.
- Date / Time / Date & Time: Add current system time, date, or both.
- QR Code: Insert a scannable code to link users to VIA Client or specific instructions.

Left Toolbar: Schedule Elements

- Calendar: Integrate with scheduling sources (if available).
- Timer: Add a countdown or meeting timer.
- Availability: Shows room availability (if integrated with calendar services).

Widget usage (example)

- Drag & drop any widget from the left panel into the canvas area
- Click on the widget > Right side panel will open.
 - Edit and adjust the required information.
 - In most, 2 tabs exist to allow formatting and color adjustments.



Calendar widget

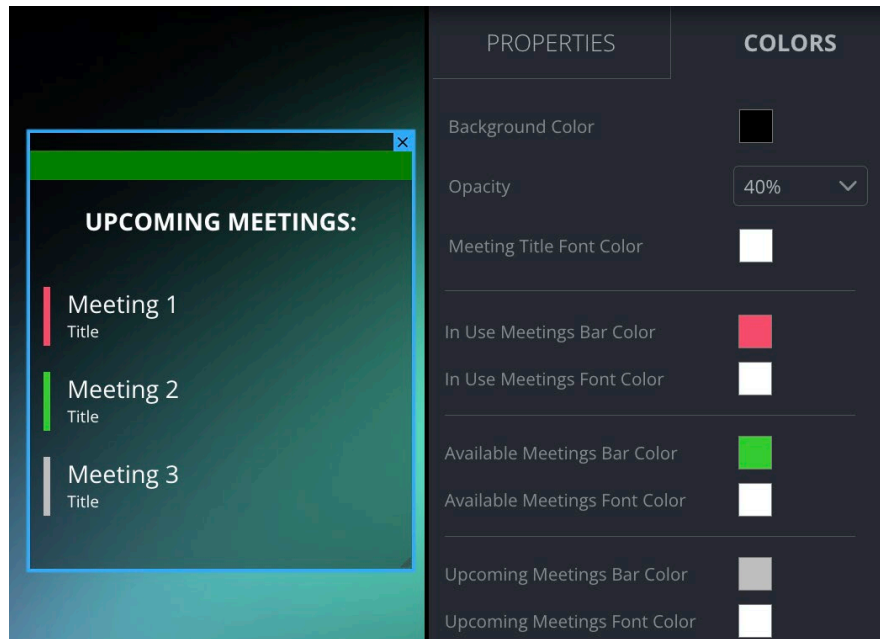
VIA calendar widget stands out from the rest, since it requires calendar integration to external systems.

It supports integration to the below calendar types (seen in the first widget **property** tab):

Type in all required information	Google redirect page to consent Kramer accessing the account	MS redirect page to consent Kramer accessing the account
Calendar Type MS Exchange Exchange Server URL* Exchange Version 2016 Username* Password* Permission Type None Resource Calendar Ex. democalendar@wow.com Test & Save	Calendar Type Google Step 1 Click here to get code Step 2 Please enter the code* Get Calendar Step 3 Select the calendar Associate	Calendar Type Office 365 (OAuth 2.0) Step 1 Get Office 365 OAuth 2.0 Step 2 Please enter the code* Get Calendar Step 3 Select the calendar Associate

Calendar widget Colors 2nd tab:

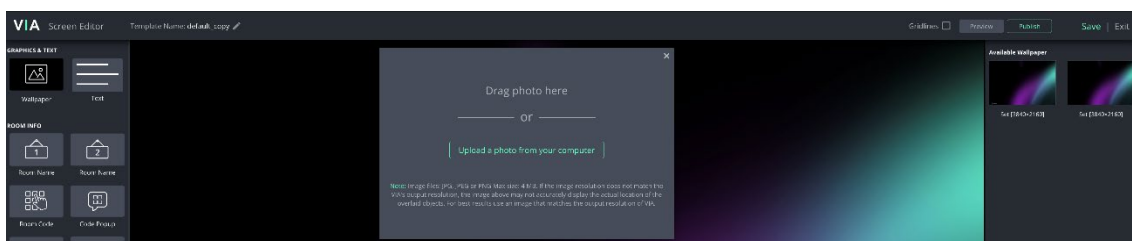
Allows to set colors per meeting 'state' as needed.



Wallpaper widget

VIA wallpaper widget usage:

- Drag & drop wallpaper widget.
- Wallpaper popup will appear prompt you to select wallpaper image.
- Either drag wallpaper from the right panel or browse to select any private image instead.
 - Please mind the format, aspect ratio and size displayed in the popup to select the correct supported image.



6.3.5 Room Settings

The Room Settings page allows customers to configure properties and features that define the behavior, capabilities, and usage of the VIA system within a room.

VIA Pad configuration

This section defines how VIA Pad devices interact with the VIA Gateway. Most options are self-explanatory.

Room Settings

VIAPad Configuration

Display Controller

Calendar

Action Tiles

VIAPad Configuration

☐ Guest

When enabled, VIAPad's paired with this VIA Gateway will allow the user to connect and present, but the VIA Client UI will not be shown on their computer.

☒ Override Room Code

VIAPad will automatically connect the computer to VIA without prompting the user for the Room Code.

Room Name

192.168.30.25

☐ Auto Connect to WiFi

VIAPad will connect the computer to the designated Wifi SSID automatically.

Apply Settings

Comments & Considerations:

- Guest Mode
 - Use in secure or managed environments where users should present without seeing VIA's interface (e.g., digital signage, visitor mode).
- Override Room Code
 - Recommended for fixed installations or fully managed deployments to simplify user experience — avoids the need to manually enter room codes.
- Room Name/IP
 - Ensure the IP or hostname used here is reachable on the user's network — this is critical for the auto-connect to function reliably.
- Auto Connect to Wi-Fi
 - Useful in guest or BYOD scenarios — confirm the Wi-Fi profile is preconfigured, and credentials are compatible with the user's system for seamless connection.
- Apply Settings
 - Always click this after making changes — settings do not apply automatically.

Display Controller

This section enables VIA to control an external display over Ethernet by sending raw serial commands (e.g., to switch HDMI inputs).

Room Settings

VIAPad Configuration **Display Controller** Calendar Action Tiles

Activate Control

Allow the VIA gateway to control a display device over the ethernet connection. ☐

Display IP*

Display Control Port*

Command 1 (VIA)*
Ex: Switch to HDMI 1 for LG Display , command will =xb 01 90

Command 2*
Ex: Switch to HDMI 2 for LG Display , command will =xb 01 91

☒ ASCII ☐ Hex

Apply Save & Apply

Notes & Considerations:

- Display IP and Port must point to a device that supports IP-based command control (often RS232 over IP or native Ethernet control).
- Command 1 / Command 2:
- Typically used for input switching or power on/off commands.
- Ensure command format matches the target display's protocol (e.g., LG, Sony, or Samsung may differ).
- ASCII vs Hex:
- Use ASCII for plain text commands (e.g., POWER 1\n).
- Use Hex when the display expects byte-level instructions (e.g., 0xA0 0x90).
- You may need to consult the display's control protocol manual to format commands correctly.
- Apply or Save & Apply after inputting values to activate control logic.

Calendar

This section is used to connect VIA to a corporate calendar system (e.g., Microsoft Exchange) so that scheduled meetings can be displayed on the VIA screen.

The screenshot shows the 'Room Settings' window with the 'Calendar' tab selected. The settings are as follows:

Field	Value
Calendar Type	MS Exchange
Exchange Server URL*	
Exchange Version	2016
Username*	
Password*	
Permission Type	None
Resource Calendar	

A 'Test & Save' button is located at the bottom right of the form.

Notes & Considerations:

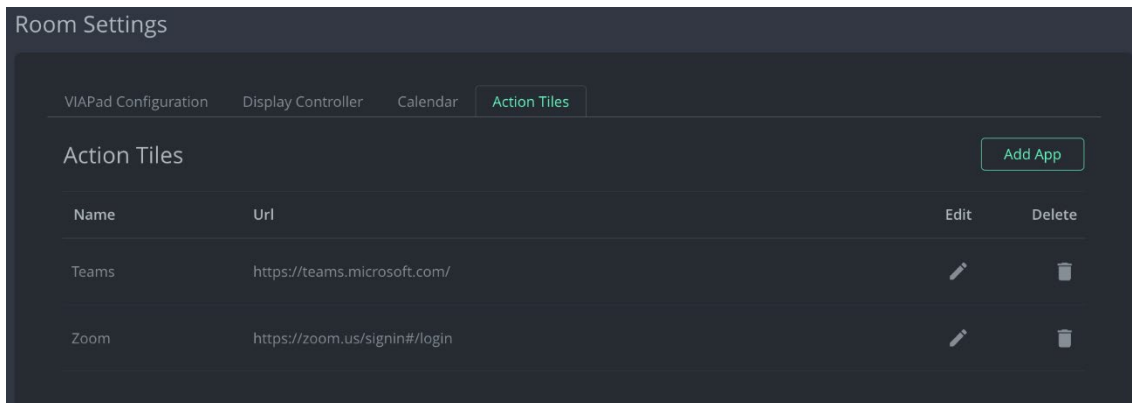
- Exchange Server URL must be reachable by the VIA device. If hosted on-prem, network/firewall access must be verified.

- Username / Password should belong to a service or resource account with access to the specified calendar.
- Exchange Version must match the actual deployment (commonly 2013, 2016, or Office 365).
- Permission Type:
 - None = Read-only access is expected.
 - Other options may allow writing/booking behavior (depending on calendar type).
- Resource Calendar (if shown/enabled) must match the exact name of the room resource mailbox.
- Always use Test & Save to validate connectivity before exiting the page.

Action tiles (Connect2, Connect3)

This section allows you to configure quick-launch tiles for external apps or web platforms (e.g., Teams, Zoom) on the VIA interface.

User can click to add more or delete existing ones as required.



Notes & Considerations:

- URLs must be valid and accessible by the VIA device. Test the link in a browser first to ensure expected behavior.
- Tiles appear as interactive buttons on the VIA screen, allowing users to launch specific services instantly.
- Ideal for conference room scenarios where launching a specific meeting platform is part of the workflow.
- Avoid adding links that require complex login sequences unless SSO is pre-configured.
 - If required, ensure to login prior to VIA sessions.

Action tiles (Campus2, Campus2 Plus)

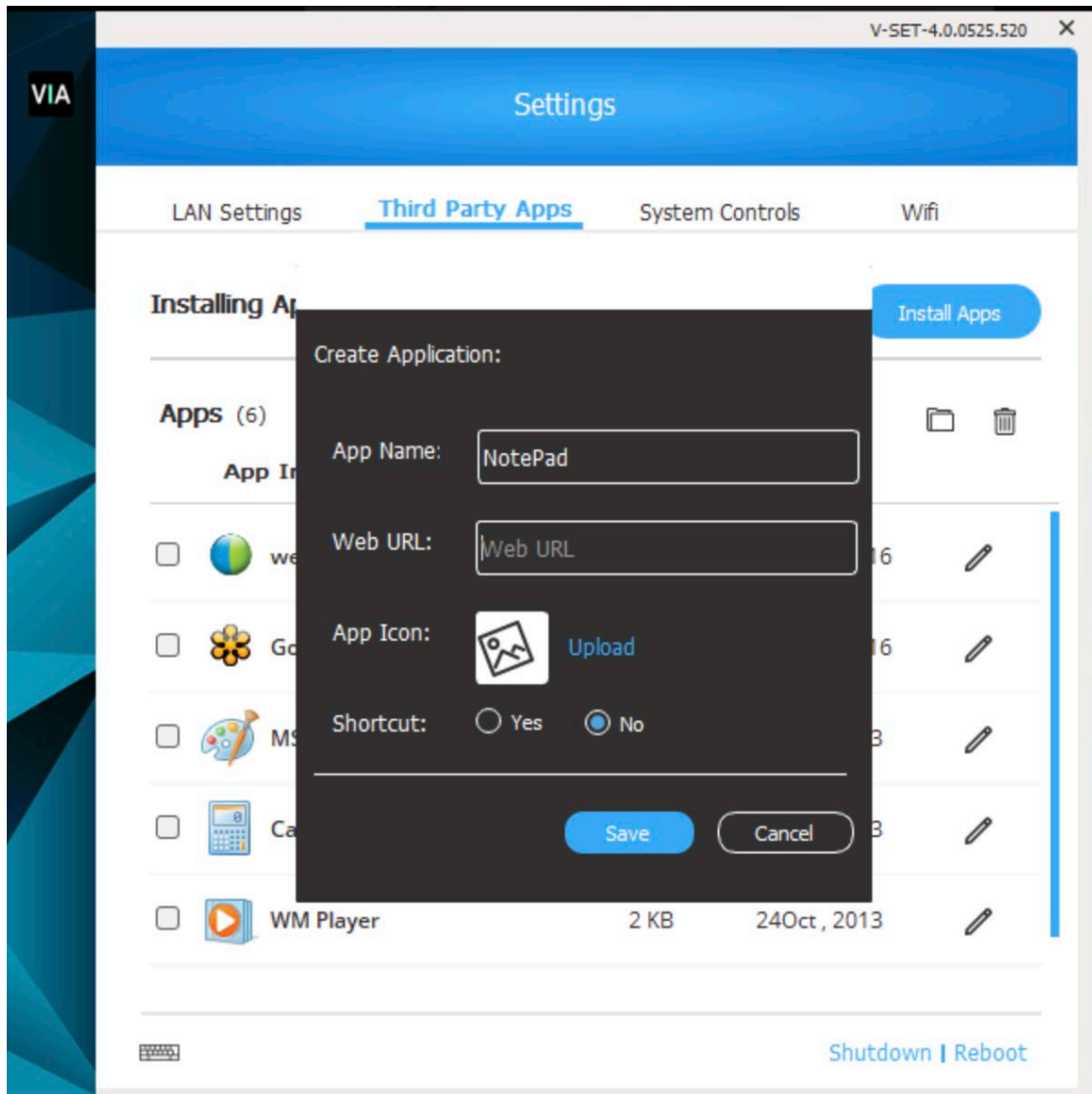
Like connect2/3 models, Campus also support Action tiles, but in a different way.

Campus which runs on windows support action tiles based on Windows applications.

Action Tiles managing options:

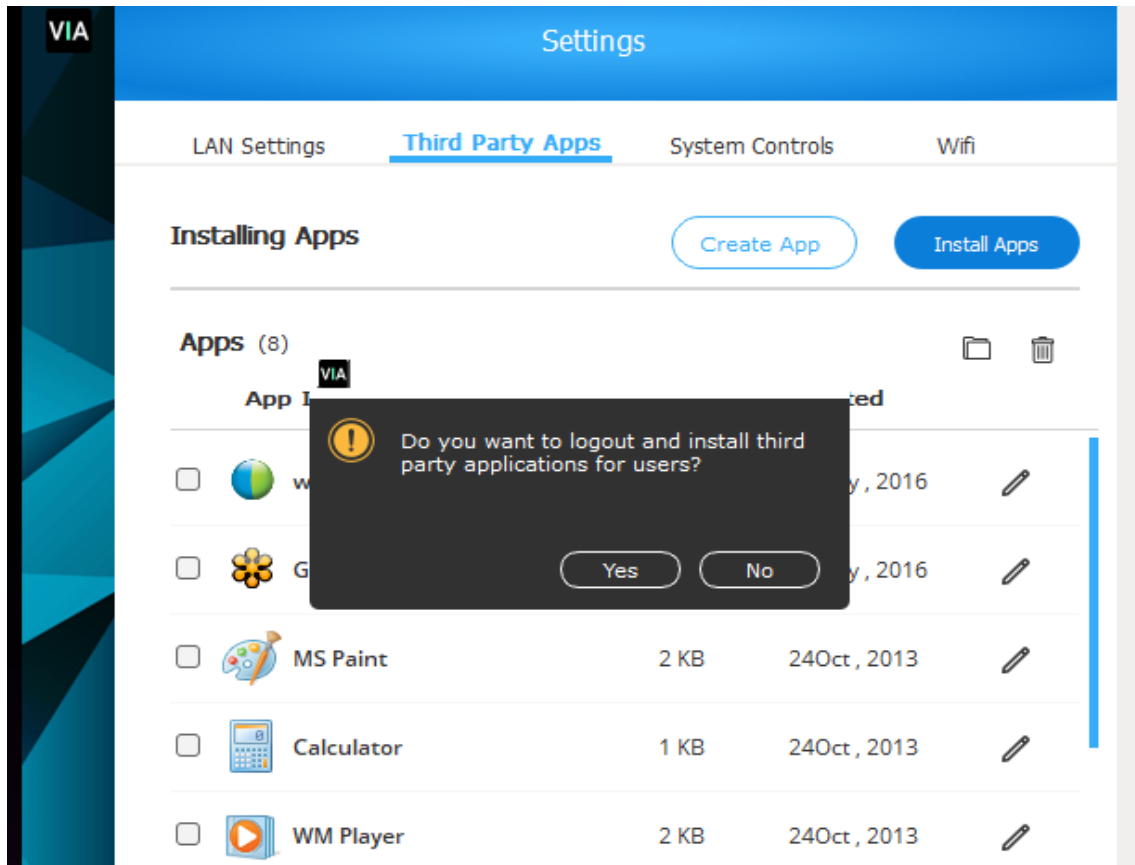
Create App

1. Open VIA Admin/Gateway Client > Settings > Navigate to Third Party Apps.
2. Click on Create App button.
3. Enter Name, Enter Web URL (e.g. https://zoom.us/join).
4. Note: You can also add path of any installed app in web URL field and Create TPA for same.
5. Upload App Icon (optional).

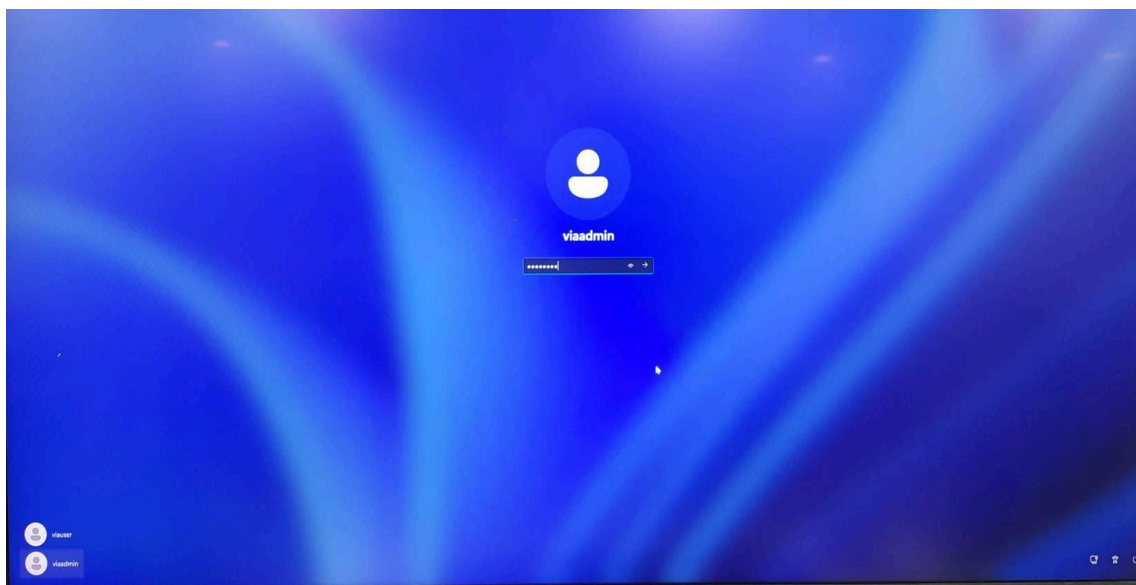


Install new App

- Open VIA Admin/Gateway Client and Navigate to Third Party Apps.
- Click on Install button and then click Yes button.

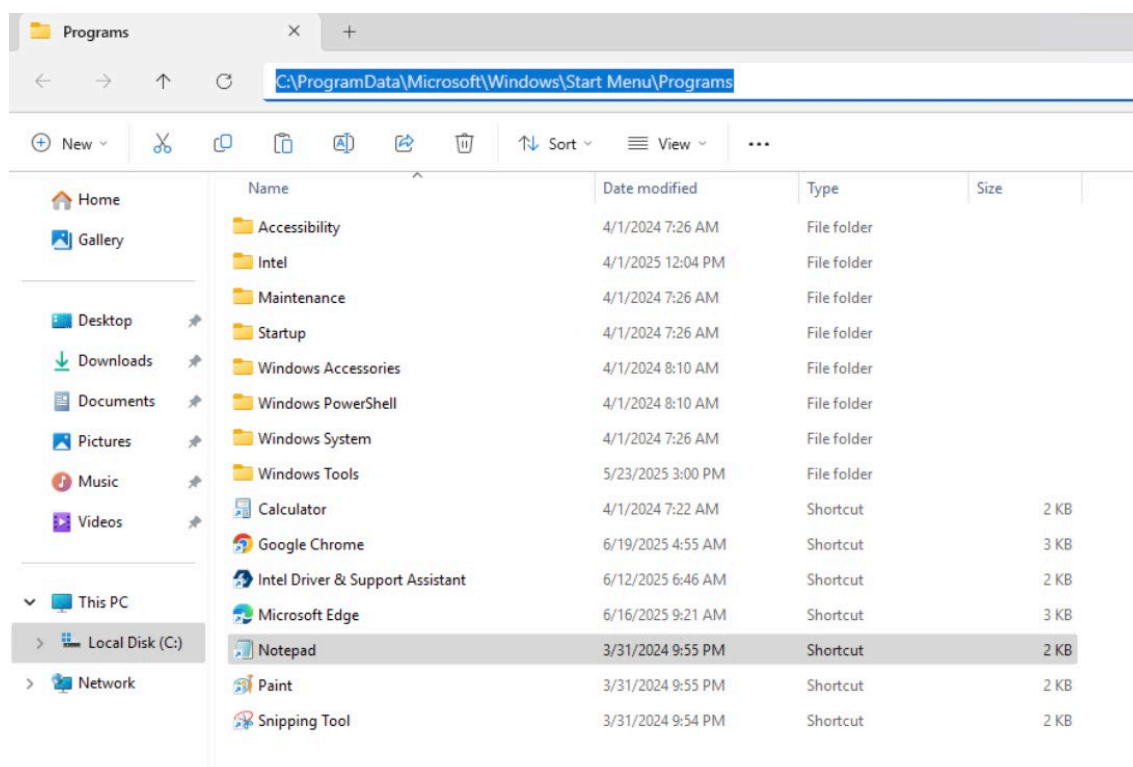


- Login as viaadmin user, password is viaadmin.



- Open Browser and download your application.
- Once done, open the Download windows folder.
- Click to install the 3rd party app.
- Once don, Windows > sign out from VIAAdmin and Switch to viauser
- Open Admin/Gateway Client > Go to settings > Enter credentials & login.
- Go to Third Party Apps and click Add file icon, It will open File browser window.

- Browse the installed application folder



- Enter Name in Enter Parameter field & Click on OK.
- Click Save when done.

6.4 Left Sidebar Navigation - Digital Signage

VIA Digital Signage (DSS) enables Kramer VIA devices to function as full-screen digital signage players when not actively used for collaboration. It allows administrators to schedule and display images, videos, or web pages across VIA-enabled rooms and displays.

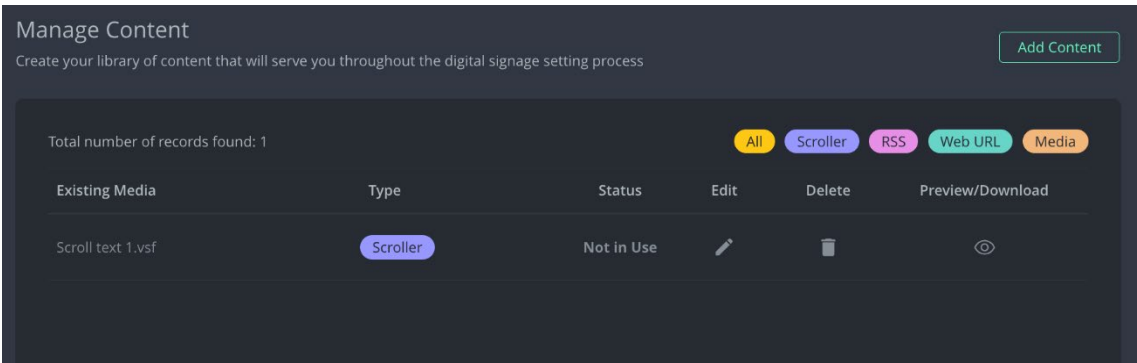
Content is managed centrally using the VIA management interface, where users can create templates, assign content to campaigns, and schedule playback based on time, date, and device groups. Each campaign takes over the full screen of the VIA device, ensuring consistent and distraction-free messaging.

VIA DSS is ideal for:

- Displaying corporate branding, welcome messages, or room schedules.
- Showing internal communications or promotional content.
- Running web-based dashboards or live pages during idle hours.

6.4.1 Manage Content

This section lets you build and maintain a content library for digital signage use across your VIA system. Each item added here can later be assigned to a template or campaign.



Notes:

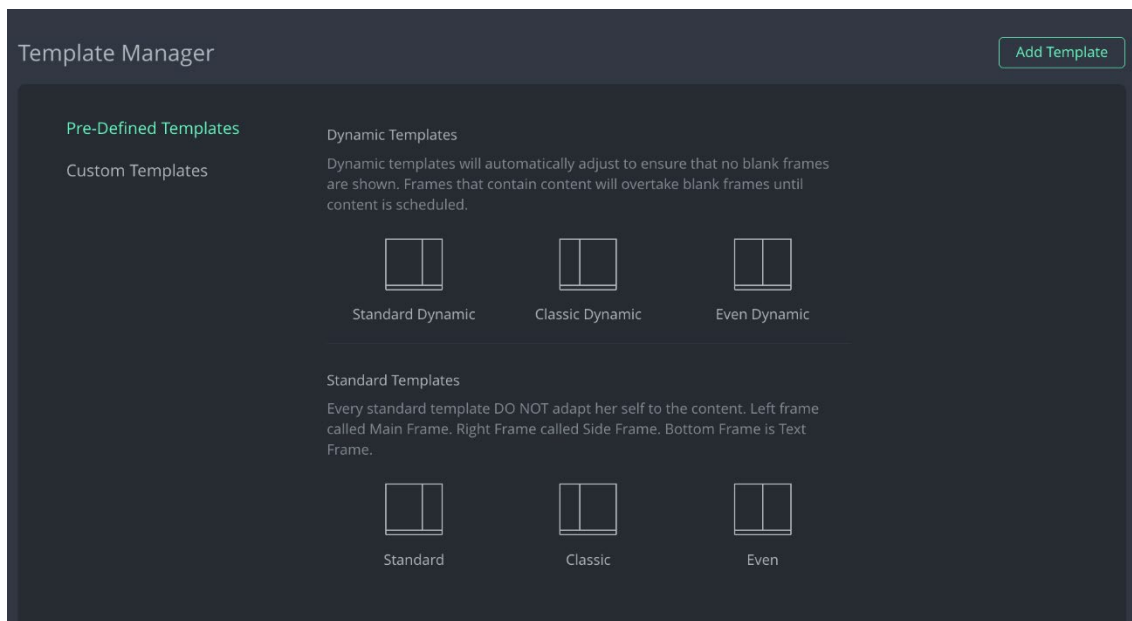
- Content types include Scroller, RSS, Web URL, and Media (image/video).
- You can filter content using the category buttons at the top (e.g., view only Scroller or Web URL).
- Use the Edit, Delete, and Preview/Download icons to manage each content item.

6.4.1.1 Content Settings

Create a custom scrolling text message with configurable speed, font, color, and background. Ideal for simple announcements or updates that continuously scroll across the screen	Connect to an external RSS feed to display live headlines or news content. You can set scroll speed, choose how entries appear (one by one or with delimiters), and customize text styling.	Add a website to be displayed full screen. Useful for dashboards, slides, or web-based content. Optionally enable Auto Refresh for animated or live-updating pages.	Upload images or videos (supports various formats like JPG, PNG, MP4, WMV).

6.4.2 Template Manager

The Template Manager allows you to define how content is arranged on screen during digital signage playback. Templates define the layout of visual frames and how content fills them.



Pre-Defined Templates

- Dynamic Templates (Standard / Classic / Even):

These layouts adapt automatically. If one or more frames are empty, the filled frames expand to use available space.

- Standard Templates (Standard / Classic / Even):

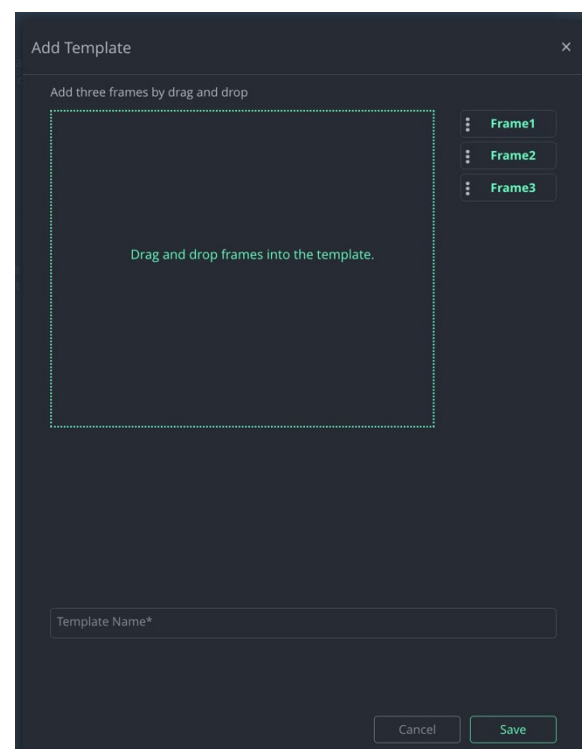
Fixed layouts where each frame remains static, regardless of whether it has content. Left = Main, Right = Side, Bottom = Text.

Add Template (Custom Template)

This view allows you to create your own screen layout by dragging and positioning up to three frames into a display area.

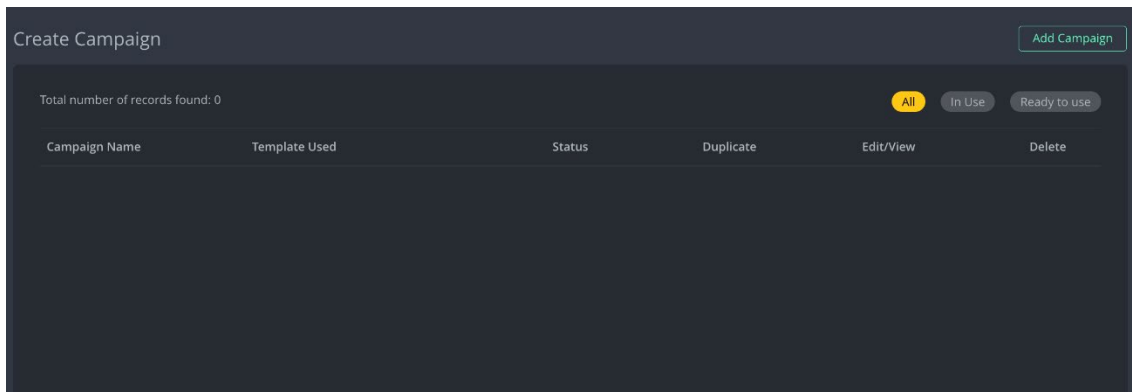
Notes:

- Use Frame1, Frame2, and Frame3 to define custom zones (e.g., main media, ticker, logo).
- Drag and drop frames into the layout box to define their screen location.
- Enter a unique Template Name, then click Save to add the template to your library.
- These custom templates appear under the Custom Templates tab.



Template Manager

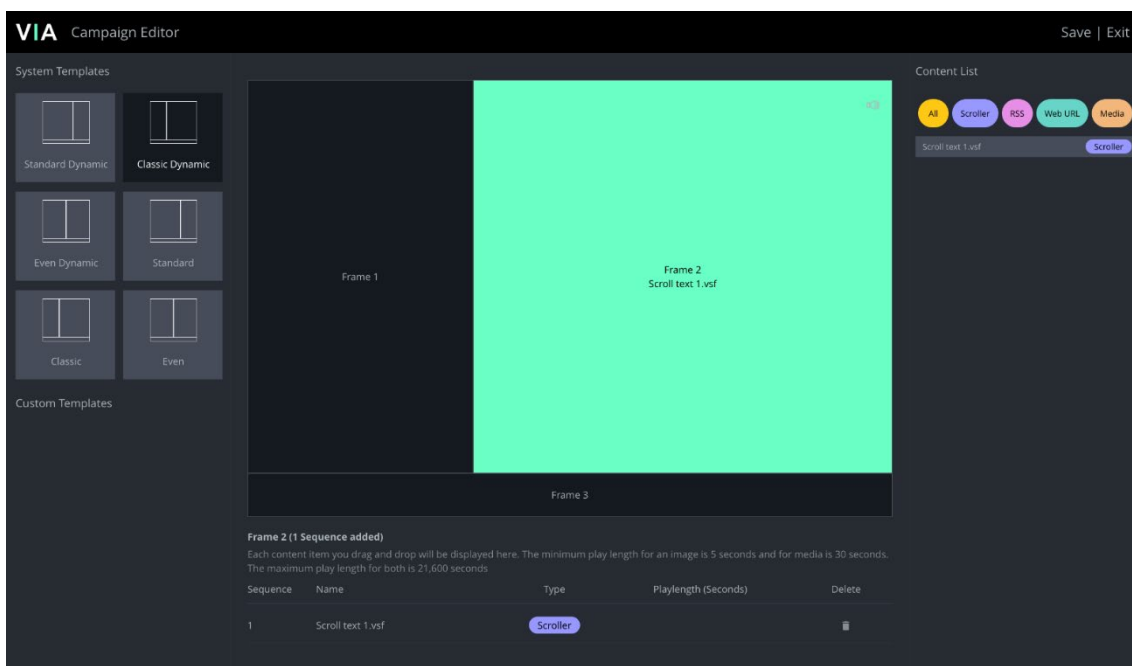
Campaigns define what content appears on screen, using a specific template and a scheduled timeline.



- Use Add Campaign to begin creating a new campaign.
- Each campaign is associated with one template (predefined or custom).
- You can manage campaigns using Edit/View, Duplicate, or Delete.
- Filter campaigns using the buttons:
 - All – show all campaigns.
 - In Use – campaigns currently assigned to a device.
 - Ready to Use – campaigns created but not yet published.

6.4.3 Campaign Editor

This screen allows you to design the content sequence for each frame in your selected template.



Key Elements:

- Left Panel: Choose a template layout (system or custom).

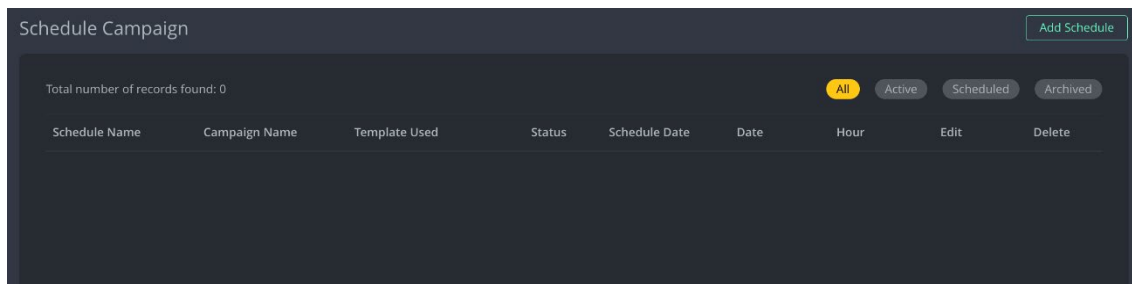
- Center Panel: Drag and drop content items (from the right) into template frames.
- Right Panel: Shows available content by type (Scroller, Media, RSS, Web URL).
- Bottom Section: Lists sequences for each frame, including play length and content type.

Notes:

- Each frame can contain a sequence of one or more content items.
- Play length limits:
 - Minimum: 5 seconds (images), 30 seconds (media)
 - Maximum: 21,600 seconds per item
- After editing, click Save to store the campaign, or Exit to return.

6.4.4 Schedule Campaign

This section allows you to assign created campaigns to run on specific dates and times.



Campaign List View

- Use Add Schedule to begin scheduling a campaign.
- You can filter campaigns by:
 - All – shows all scheduled campaigns
 - Active – currently playing
 - Scheduled – upcoming but not yet active
 - Archived – previously used or expired

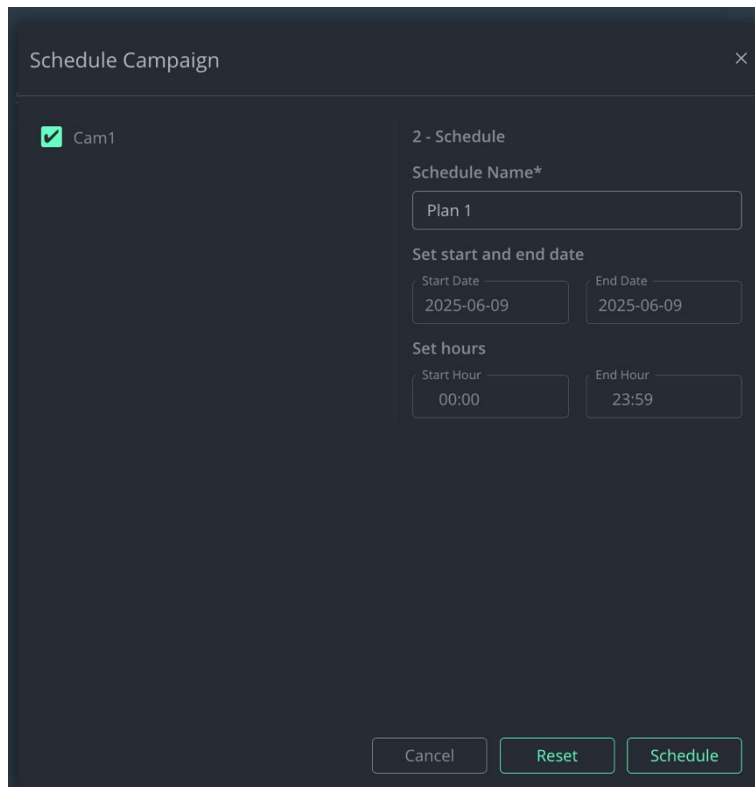
Each row displays the campaign name, associated template, schedule date and time, and management options (Edit / Delete).

Add Schedule (Popup)

The Schedule Campaign popup allows you to define the run time for a selected campaign.

- **Schedule Name:** Give a unique name to the scheduled instance.
- **Start and End Date:** Define when the campaign should begin and end.
- **Start and End Hour:** Set the time window within each day the campaign should be active (e.g., business hours only).
- Click **Schedule** to save or **Reset** to clear the form.

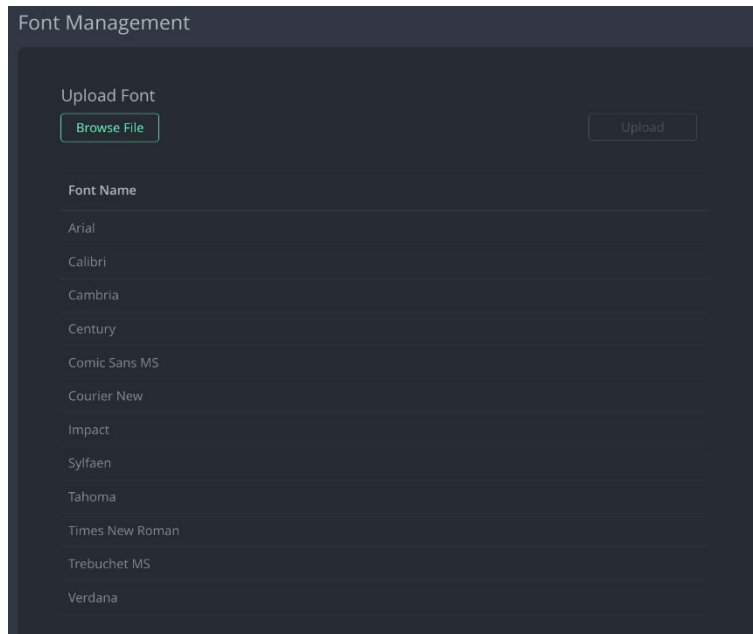
Once saved, the campaign will play on the assigned VIA devices during the scheduled window, as long as it has been published.



The screenshot shows a 'Schedule Campaign' popup window. On the left, there is a list of campaigns with 'Cam1' selected, indicated by a green checkmark. The main area is titled '2 - Schedule' and contains the following fields: 'Schedule Name*' with the value 'Plan 1'; 'Set start and end date' with 'Start Date' and 'End Date' both set to '2025-06-09'; and 'Set hours' with 'Start Hour' set to '00:00' and 'End Hour' set to '23:59'. At the bottom, there are three buttons: 'Cancel', 'Reset', and 'Schedule'.

6.4.5 Font Management

This section allows you to manage the fonts available for use in digital signage content, such as scrollers and RSS feeds.



Features:

- **Built-in Fonts:** A list of preloaded system fonts is shown (e.g., Arial, Calibri, Times New Roman).
- **Upload Font:** Click Browse File to upload a custom font file (e.g., .ttf, .otf) and then click Upload.
 - Once uploaded, the font will be available for selection in the Scroller and RSS content editors.
 - Uploaded fonts allow you to match your brand guidelines or language requirements.

6.5 Left Sidebar Navigation - Administration

6.5.1 Reports

The Reports section provides audit trails for user and device activity, helping administrators track usage, access, and changes across the VIA system.

Gateway Activity Log

Tracks user-level activity on the VIA gateway, including sessions and display actions.

Reports

Start Date
2025-06-02

End Date
2025-06-09

Select User Name

Total number of log entries found: 162

Export to PDF

Export to CSV

Gateway Activity Log

Webadmin Activity Log

Username	Activity Date Time	Remarks
vlaadmin	2025-06-06 18:22:38	SessionStop
User (User)	2025-06-06 18:22:38	LoggedOut
User (User)	2025-06-06 18:21:53	MediaStop
User (User)	2025-06-06 18:21:51	Display Stop
User (User)	2025-06-06 18:21:38	MediaStart
User (User)	2025-06-06 18:21:38	Display Start
vlaadmin	2025-06-06 18:15:10	SessionStart
User (User)	2025-06-06 18:15:10	LoggedIn

Filters: Use date range and user name filters to narrow results.

Log Types:

- SessionStart, SessionStop
- Display Start, Display Stop
- MediaStart, MediaStop
- LoggedIn, LoggedOut

Logs show the exact timestamp and username for each action.

Export options: **PDF** or **CSV** for offline tracking or compliance reporting.

Web admin Activity Log

Monitors actions performed via the web administration portal.

Reports

Start Date
2025-06-02

End Date
2025-06-09

Search by User name or Action Taken

Total number of log entries found: 17

Export to PDF

Export to CSV

Gateway Activity Log

Webadmin Activity Log

Username	Action Taken	Activity Date	Remarks	Host Name
su	Create Campaign	2025-06-09 03:19:24	Campaign Name: Cam1	192.168.30.25
su	Upload	2025-06-09 02:44:03	Media: Scroll text 1.vsf	192.168.30.25
su	Login	2025-06-09 02:09:58	Success	192.168.30.25
su	Logout	2025-06-09 02:09:41	Success	192.168.30.25
su	Logout	2025-06-08 17:33:13	Success	192.168.30.25
su	Login	2025-06-08 17:30:49	Success	192.168.30.25
su	Login	2025-06-08 14:11:54	Success	192.168.30.25
su	Login	2025-06-08 14:08:07	Success	192.168.30.25

- Tracks:
 - Logins/Logouts
 - Campaign and media uploads
 - System changes (e.g., creating a campaign)
- Fields include Username, Action Taken, Date, Remarks, and Host Name (IP address of the user or device).
- Ideal for auditing admin changes and maintaining traceability.

6.5.2 System Settings

The System Settings area provides access to core configuration, firmware management, licensing, and maintenance tasks for the VIA device.

Site Management

Used to define how the VIA Gateway connects to the centralized VIA Site Management (VSM) server.

The screenshot shows the 'System Settings' interface with a dark theme. At the top, there are tabs: 'Site Management' (active), 'Update Firmware', 'License Management', and 'Maintenance'. Below the tabs, the interface is divided into two main sections: 'Step 1: Server Settings' and 'Step 2: Configuration'.

Step 1: Server Settings includes two input fields: 'VIA Server IP*' with a placeholder 'IP address/hostname of the site server.' and 'Gateway ID*' with a placeholder 'Enter the Gateway ID defined at Site Server for this Gateway.' Below these fields are two buttons: 'Validate & Save' and 'Save' (with a help icon).

Step 2: Configuration has a sub-header 'Select the settings to be configured locally on the VIA gateway and the settings to be configured from Site Management.' Below this is a table with two columns: 'VSM' and 'Gateway'. The rows are 'VIA Screen Editor', 'VIA Settings', 'Digital Signage', and 'Calendar Settings'. Each row has radio buttons for both 'VSM' and 'Gateway'. In the 'Gateway' column, the 'VIA Screen Editor', 'VIA Settings', 'Digital Signage', and 'Calendar Settings' radio buttons are selected (indicated by a green dot). An 'Apply' button is located at the bottom right of the configuration section.

Step 1: Server Settings

- VIA Server IP: Enter the IP or hostname of your VSM server.
- Gateway ID: Enter the unique ID assigned to this gateway in the VSM.

Step 2: Configuration

Choose which settings are managed locally (on the gateway) vs. centrally (by VSM):

- Toggle between Gateway and VSM for each section:
 - VIA Screen Editor
 - VIA Settings
 - Digital Signage
 - Calendar Settings

Click **Validate & Save** or **Apply** to confirm.

Update Firmware

Allows updating the device firmware either automatically or manually.

The screenshot shows the 'System Settings' interface with the 'Update Firmware' tab selected. It features a 'Check for update' section with a 'Check For Update' button and a note about internet connectivity. Below is the 'Upload new firmware package' section, which includes instructions about password-protected ZIP files and a supported file format: `connect3-x.x.xxxx.xxxx.zip` (e.g., `connect3-4.0.0.1267.zip`). There is a 'Version file' label, a 'Click to browse ...' button, and an 'Upload' button. At the bottom, it displays 'Current Version: 4.2.1.1456'.

- Check for Update: If internet-connected, checks for the latest firmware version.
- Manual Upload: Upload a .zip firmware package (do not unzip it).
- Supported format: `connect3-x.x.xxxx.xxxx.zip`
- Displays the currently installed firmware version.

Maintenance – VIA Defaults Reset

Reset selected configuration modules to their factory defaults.

The screenshot shows the 'System Settings' interface with the 'Maintenance' tab selected. It displays the 'VIA DEFAULTS RESET' section with a list of configuration modules that can be reset to factory defaults. The modules are: Select All, VIA Settings, VIA Screen Editor, Users, VIAPad Configuration, Digital Signage, Calendar Settings, and Logs. Each has an unchecked checkbox. A 'Save & Apply' button is located at the bottom right.

- Use Specific entries or Select All to wipe settings.
- Click Save & Apply to confirm the reset.



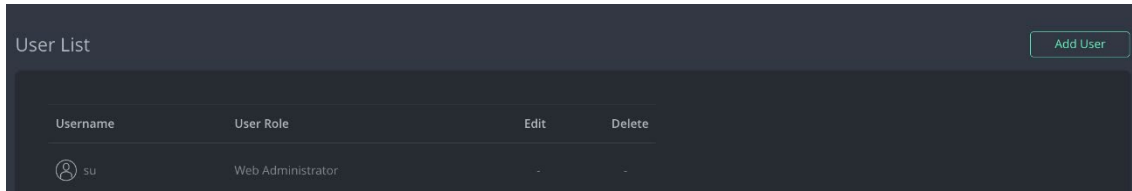
This reset is granular — only selected areas are wiped, not the full device.

6.5.3 User Management

The User Management section allows you to manage access to the VIA web interface by creating and assigning user accounts with specific roles.

User List

Displays all configured users on the local VIA device.



- Each user is shown with:
 - Username
 - User Role (Web Administrator or Digital Signage)
- The built-in su (super user) cannot be edited or deleted.
- Use the Add User button to create new accounts.

Add User

Create a new user account with role-based access.

- **Username:** Must be unique.
- **Password / Confirm Password:** Secure credentials for login.
- **User Role Options:**
 - Web Administrator: Full access to all system and configuration settings.
 - Digital Signage: Limited access to signage-related features only.

Click **Save** to create the account or **Cancel** to exit.

Tip: Roles determine which menus and capabilities the user can access in the VIA web UI.

Add user

Username*

Password*

Confirm Password*

User Role

☐ Web Administrator

☐ Digital Signage

Cancel Save

7 VIA Room Driver (Versa)

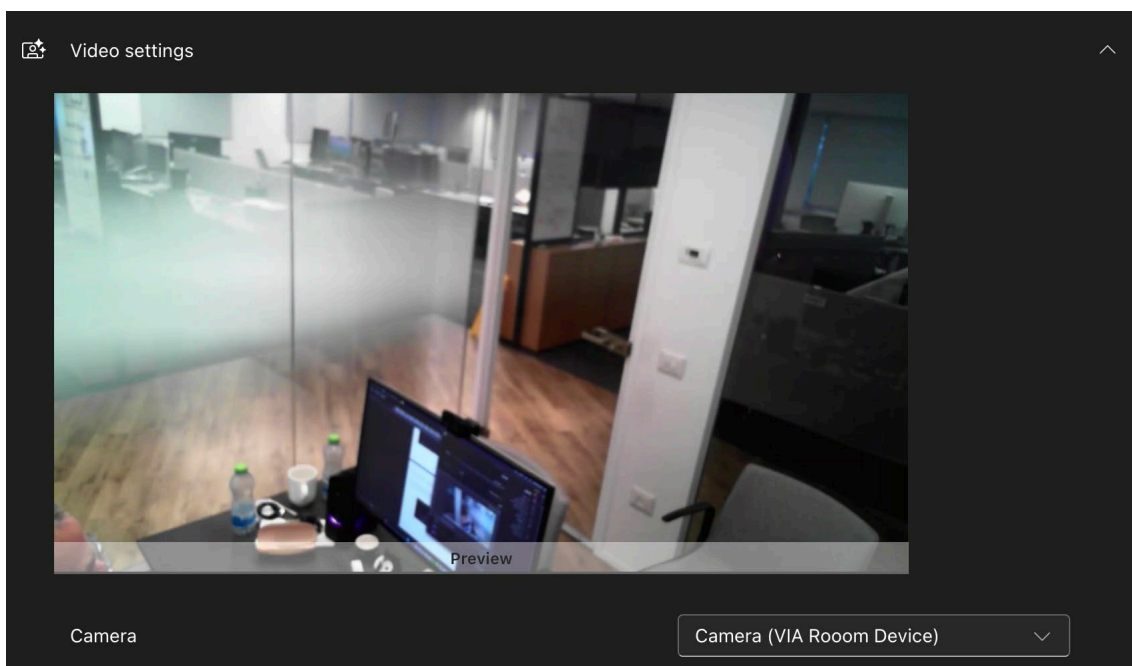
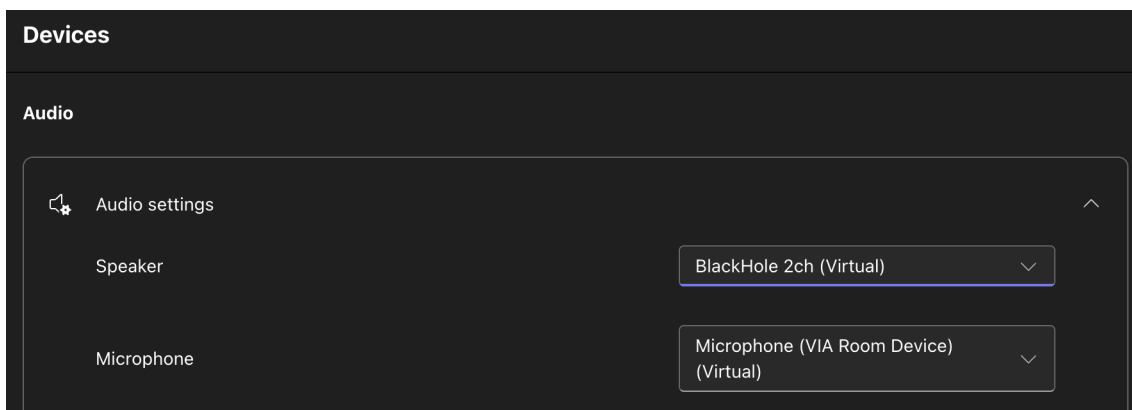
The **VIA Room Driver** wirelessly bridges the room's camera, microphone, and speakers to your connected laptop, allowing conferencing applications like Zoom, Microsoft Teams, and others to use the room's AV equipment—just like a physical USB connection.

Once the VIA Room Driver is installed on your computer, it activates automatically when you connect to a VIA-enabled room. The exposed AV devices will then appear as selectable input/output options within your video conferencing apps and across the system, enabling seamless use without any additional configuration.

Example:

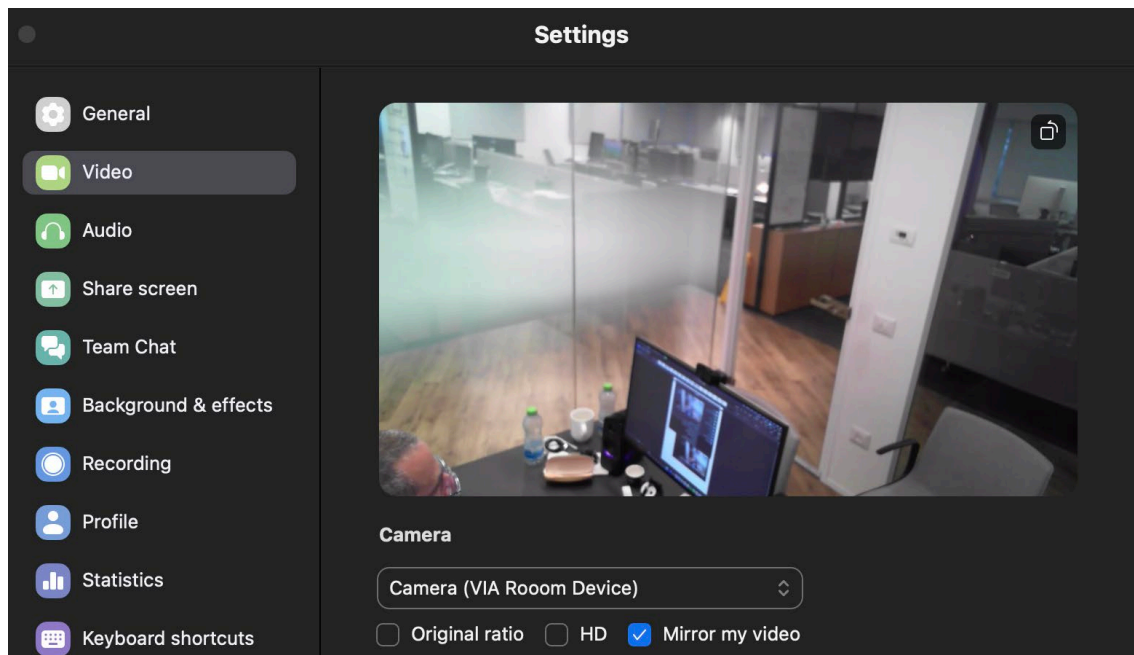
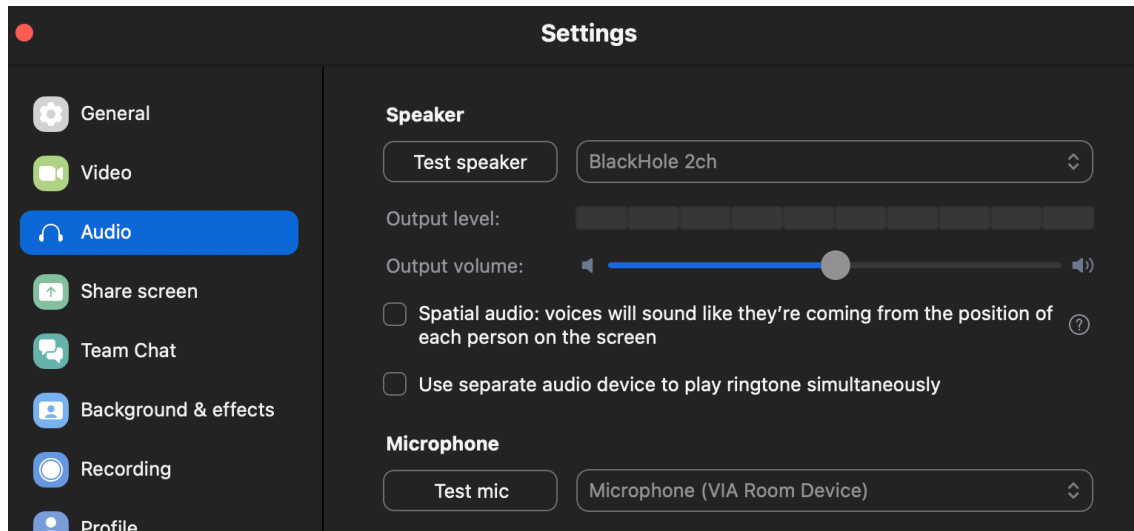
TEAMS:

In macOS, the **speaker** appears as **BlackHole 2ch**, while on Windows it's shown as Speakers (**VIA Room Device**).



ZOOM:

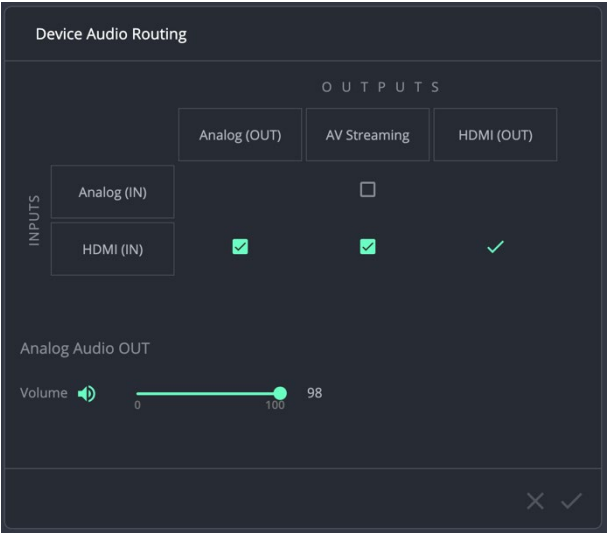
Same in TEAMS, ZOOM also expose the VIA devices for remote sessions if required.



The Audio Routing panel allows you to define how incoming audio signals are directed to the available outputs.

- Inputs: Choose between Analog (IN) and HDMI (IN) audio sources.
- Outputs: Route audio to any combination of Analog OUT, AV Streaming, or HDMI OUT.
- Volume Control: Adjust the output level for Analog OUT directly from this screen.

This intuitive matrix view provides a clear visual representation of your routing configuration, making it easy to set up or change audio paths.





HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



P/N:



2900-301897

Rev:



1



SAFETY WARNING

Disconnect the unit from the power supply before opening and servicing

For the latest information on our products and a list of Kramer distributors, visit our website where updates to this user manual may be found.

We welcome your questions, comments, and feedback.

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