



Manual



04-1215D

# CE-H25411-S2

## HDMI Video Wall Over IP Multicast System - Controller

User Manual



Thank you for choosing **SIIG** for your connectivity needs in IT and AV products. Our products are engineered for optimal performance and reliability. To ensure the best experience and safety, please read the instructions thoroughly and keep this user guide for future reference. For more details about our product range, visit [www.siig.com](http://www.siig.com)

If you require technical support, email us at [support@siig.com](mailto:support@siig.com)  
For drivers or manuals, please visit [www.siig.com/download](http://www.siig.com/download)



## Important Safety Guidelines

This device has been rigorously tested and certified to meet international safety standards. However, as with all electronic equipment, it should be handled with care. To ensure your safety and to minimize the risk of damage, please follow these safety guidelines:

- Follow all instructions and warnings marked on this unit
- Do not attempt to service this unit yourself, except where explained in this manual
- Provide proper ventilation and air circulation and do not use near water
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface
- Use only the power adapter and power cords and connection cables designed for this unit
- Do not use liquid or aerosol cleaners to clean this unit
- Always unplug the power to the device before cleaning

## Introduction

Smart controller and central management system allows real time monitoring over IP for CE-H28A11-S1 Matrix Kit, CE-H27F11-S1 Encoder (TX) and CE-H27G11-S1 Decoder (RX)

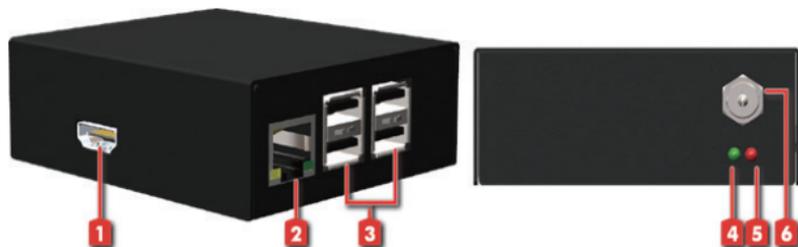
## Key Features

- Monitors all devices in one central system
- Cost effective solution for IoT
- Intuitive and powerful user interface
- Includes Web interface and mobile support
- Easy installation with auto-detection of transmitter and receiver units in the network.
- Drag-and-drop easy matrix switching
- Easy to create multiple video walls
- Schedule time for audio/video mapping, cycle-play and mute/resume
- Allows to create custom OSD
- Watch-dog with self-recovery
- Assigns the video sources for each display with account/password submit Supports video wall function

## Package Contents

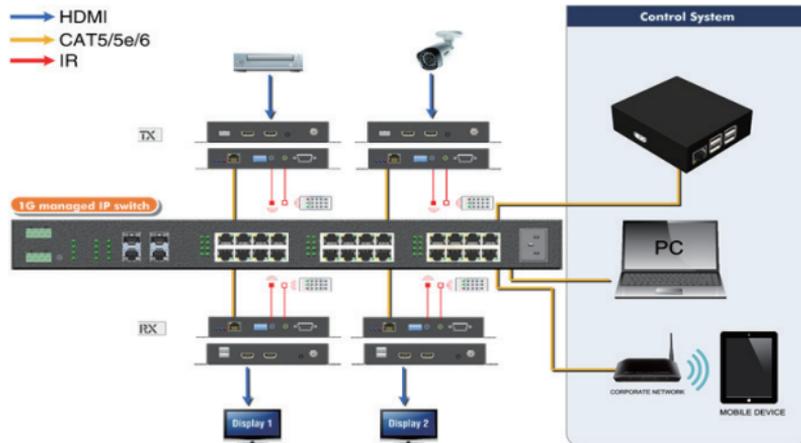
- HDMI Video Wall Over IP Multicast System Controller
- Power adapter DC 5V / 0.85A
- Rack-mounting ear set
- User Manual

## Layout



No.	Connections	Descriptions
1	Output	HDMI output, it displays the information of controller
2	RJ-45	Ethernet control port
3	USB	Reserved
4	Activity LED Indicator	When the storage device is being used, the light will blank
5	Power LED	When unit connect a power supply unit, the light will shine
6	Power Jack	Connect to DC 5V/0.85A power adapter

## Application



## OPERATION

### Installation Setup

1. Connect the PC and controller into the Gigabit IP Switch/ Router
2. Connect controller HDMI output to display. The display will show information, as below image. (Default DHCP Enable)
3. Open browser and type in one of the following options to access the Web Control Page. If you can't get one option to work, try the next one.
  - Controller's IP
  - `Http://astpi3`.(\*Default Account/Password are admin/admin)



<b>Device Name</b>	HDMI over IP - Control Box
<b>Firmware</b>	scaV1.00.01
<b>System Time</b>	2024-11-12:00:31:00
<b>Link Status</b>	Up, 100M Full
<b>DHCP</b>	Enabled
<b>IP Address</b>	192.168.100.132
<b>Netmask</b>	255.255.255.0
<b>Gateway</b>	192.168.100.1
<b>DNS</b>	8.8.8.8
<b>MAC Address</b>	B8:27:EB:B1:22:A8
<b>URL</b>	http://192.168.100.132

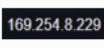


The login screen for AVoIP Web Control. It features the SIIG logo at the top, followed by the text 'AVoIP Web Control'. Below this are three input fields: the first contains 'admin', the second contains six dots representing a password, and the third is a red 'Login' button. At the bottom, there is a 'Forgot Password' link.

## Mapping

On this page, you can see runtime status of all TX/RX device in controller. The way to do input/output mapping is to drag TX icon to RX icon. It also provides 10 profile spaces to save the frequently used scenarios into the device.



Type	Button	Function
RX/TX Settings		Edit device name
		Click the button to search for corresponding TX/RX device, and the device LED light will blank for 5-10seconds.
		Channel
		IP address
		Turn on the video
		Turn off the video
		Number of RX subscribed to this TX

Type	Button	Function
Mapping Settings		Drag the TX icon to the  button on to switch all RX
		Manage presets
		Provide 8 preset spaces for user to save
		Select which preset to recall
		Refresh the page
		Set the user interface of mapping table page

## Audio (TR/RR)

Click the **On/Off** on the Receiver content red mark location to **turn On** or **turn Off** the HDMI CEC control function

### Audio (TR)



### Audio (RR)



# Cluster

## Create Cluster name

- Type the name and then click the **Create**
- Click the **Select Cluster** and drop down to select the name
- Check the TX (Yellow color) or RX (Blue color) unit name on **Others Transmitters** or **Others Receivers**
- Select the TX (Yellow color) or RX (Blue color) unit name and drag to **Cluster Transmitters** or **Cluster Receivers** area to set the same group and then click **Save**

Cluster

**CREATE Cluster**

Cluster Name:  **Create**

---

**Cluster CONTENT**

Cluster:  **Save** **Clear**

Name:

Cluster Transmitters:

Others Transmitters: 

w3-10000000

Cluster Receivers:

Others Receivers: 

w3-10000000

## Video Wall



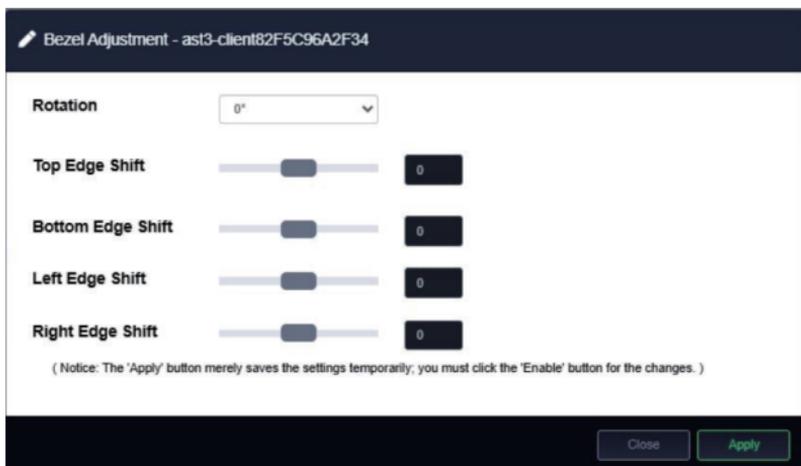
Click the Video Wall icon from the left side menu section and then can set the Video Wall layout

- **Preset Name:** To set the name of this Video Wall layout.
- **Cluster:** Drop down the devices or select the all devices.
- **Transmitters:** Click TX source name in the drag box, the Video Wall content will be based on this source to stream video content.
- **Layout:** check the number or type the number to set the number for Video Wall layout, and the format will be listed on right side area.
- **Receiver (RX):** Select the RX source name and drag to Video Wall layout location. Then click **Enable** the RX unit will follow the location set to send the Video Wall content, or click **Disable** to cancel layout signal, and then click **Save** to save the layout setting to preset name.

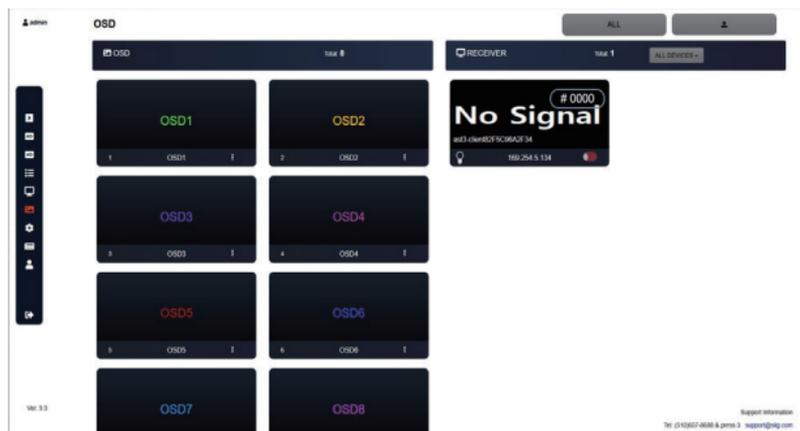
## Bezel Adjustment

Click RX name of Video Wall layout and to enter the RX unit Bezel Adjustment setting then to achieve Rotation and seamless splicing of display screens. After completing the settings, click the **Apply** button to enable the bezel and gap compensation.

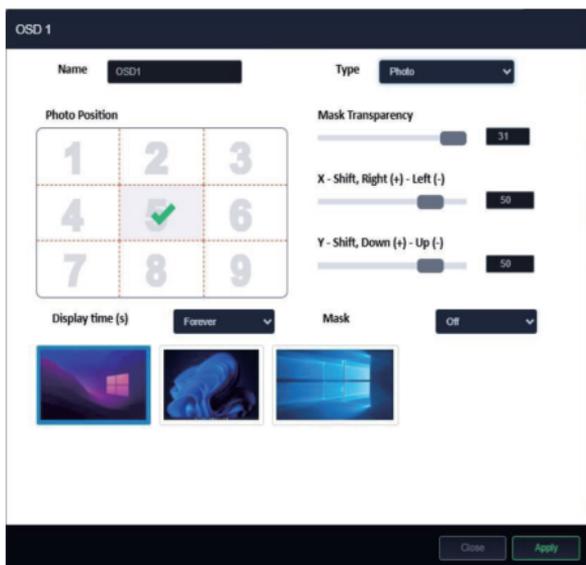
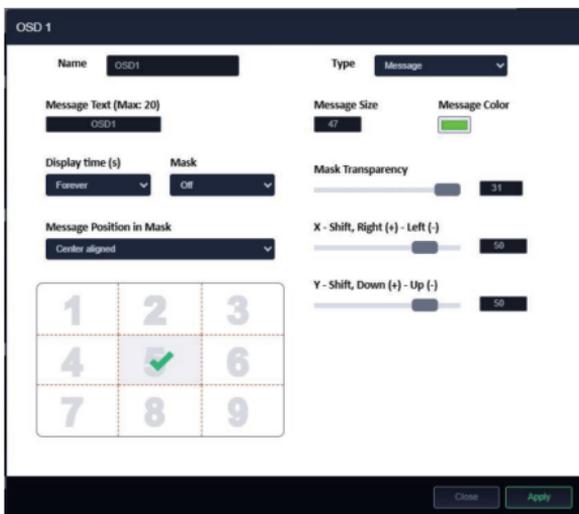
***Noted; The 'Apply' button merely saves the settings temporarily; you must click the 'Enable' button for the changes***



## OSD



There are 8 custom OSD windows for users to input the texts or images to be shown with the video. Users can click the  button to upload photos (only accept png or jpg files). Also click the  button to adjust the message text, photo, transparency, position, color and size. After setting it, please drag the osd windows to RX windows which you want to show the desired text or image





## Setup

### Devices

After connecting the HDMI Over IP Transmitter and receiver units to the Router/Ethernet Hub, the controller will automatically and the device into the control system.

The screenshot shows a web interface with a navigation bar at the top containing 'Devices', 'System Config', and 'FW Update'. Below the navigation bar is a table with the following data:

Channel	Type	Name	Cluster	Device IP	MAC Address	Status		
0000	RX	act3-ehd02P3CMAAF3M		192.254.1.134	82:FE:C8:9A:3F:34	2 days - 3 hr - 27 m - 42 s		
0000	TX	act3-gatewaya	Test-1	192.254.1.135	32:85:9B:2B:8D:C8	2 days - 3 hr - 27 m - 46 s		

Showing 1 to 2 of 2 entries

You can click “” to enter the **Transmitter Setup** or **Receiver Setup** and click the **Blink LED** button to search corresponding transmitter/receiver device. Or click **Reboot** button to Reboot the TX or RX unit. Or to click the **Factory Reset** button to reset the TX or RX.

Factory Reset

Reboot

Blink LED

## Transmitter setup

**Transmitter Setup**

**Identification**

Name	100-00000000	Alias Name	1000-000-0000-000
Type	FM	Mode	FM
Device ID	1000000000	MAC address	000000000000
Subnet device	10.0.0.0/24		

**Status**

Link	On	Power	On
------	----	-------	----

**Information**

Name	100-00000000	<a href="#">View IP addresses</a>	<input type="checkbox"/>
Channel	100		<input type="checkbox"/>

**AV setting**

Streaming status	<input type="checkbox"/>	<input type="checkbox"/>	
URL	None		<input type="checkbox"/>

**Audio Station Path**

Audio Station Path	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>
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**Controlling mode**

Method	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>
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**IGMP setting**

Enabled	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>	<input type="checkbox"/>
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## Receiver setup

**Receiver Setup**

**Identification**

Name	100-0000000000	Alias Name	1000-000-0000-000
Type	FM	Mode	FM
Device ID	1000000000	MAC address	000000000000
Subnet device	10.0.0.0/24		

**Status**

Link	On	PS	On	On
------	----	----	----	----

**ICM-100**

ICM-100	<input type="checkbox"/>	<input type="checkbox"/>
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**Information**

Name	100-0000000000	Site Name	100	<input type="checkbox"/>
Audio Channel	100-000			<input type="checkbox"/>

**AV Setting**

Streaming status	<input type="checkbox"/>	Rating	<input type="checkbox"/>	
URL	<input type="checkbox"/>			<input type="checkbox"/>

**Audio Station Path**

Audio Station Path	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>
--------------------	--------------------------	---

**Controlling mode**

Method	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>
--------	--------------------------	---

**IGMP Setting**

Enabled	<input type="checkbox"/>	<a href="#">(Click to show/hide path for being off)</a>	<input type="checkbox"/>
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## System Config

Devices System Config FW Update

**Time Config**

Time Zone:

System Time:

**UI Setting**

Table Mode  Drag & Drop Mode

**Network Config**

DHCP  Static

IPv4 Address:

Network Mask:

Gateway:

## FW Update

Devices System Config FW Update

# History

## History

Date Range 2024-11-16 - 2024-11-16



Show 10 entries

Search:

Time	Type	Event
2024/11/16-00:24	Mapping	ast3-client82f5c96a2f34 is offline
2024/11/16-00:24	Mapping	ast3-client82f5c96a2f34 is online
2024/11/16-00:48	Mapping	ast3-gatewayna is offline
2024/11/16-00:48	Mapping	ast3-client82f5c96a2f34 is offline
2024/11/16-00:48	Mapping	ast3-client82f5c96a2f34 is online
2024/11/16-00:48	Mapping	ast3-gatewayna is online
2024/11/16-03:13	Mapping	ast3-gatewayna is offline
2024/11/16-03:13	Mapping	ast3-gatewayna is online
2024/11/16-03:48	Mapping	ast3-client82f5c96a2f34 is offline
2024/11/16-03:48	Mapping	ast3-client82f5c96a2f34 is online

Showing 1 to 10 of 10 entries (Filtered from 500 total entries)

Previous 1 Next

# Account

## Account

### CHANGE PASSWORD

Old Password

New Password

Confirm Password

Save

### CREATE ACCOUNT

Role

Username

Password

Email

Create

### ACCOUNT LIST

Show 10 entries

Search:

ID	User name	Role	Email	Date
1	admin	Administrator	super@big.com	2024-03-14 12:00:00

Showing 1 to 1 of 1 entries

Previous 1 Next







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