SC08.CTL100A

AV over IP
Network Controller

User Manual
Version 4.0

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Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Table of Contents

1.0 Introduction

This AV over IP Controller is used to control and manage SC08.MX650 Encoders and Decoders. Dual LAN ports provide network isolation of Control and Multicast video distribution. Built-in Web GUI, TCP and RS-232 control are supported. The controller has POE and wide band 12V IR signal receiving.

2.0 Features

- Easy to create, control and manage the system
- Supports Auto, DHCP and Manual IP configurations
- HTTPS, SSH, SFTP security compatible
- Built-in Web GUI control interface, supporting Drag & Drop operations
- Video image preview
- Dual network ports for video and control to isolate controls and multicast network.
- Support LAN/RS-232 port control and third-party central control
- Support IR signal receiving (3.5mm audio jack, 12V level)
- 4 channel GPIO control ports (5V/12V optional level)
- Multiple circuit protection, lightning protection and ESD design

3.0 Package Contents

1. 1 Video over IP Controller
2. 1 20kHz-60kHz 12V IR Receiver Cable (1.5 meters)
3. 1 3-pin 3.81mm Phoenix Connector (Male)
4. 1 6-pin 3.81mm Phoenix Connector (Male)
5. 2 Mounting Ears
6. 4 Machine Screws (M3*6)
7. 1 12V/1A Locking Power Adaptor
8. 1 User Manual

| 4.0 Specification	
Control Ports	Ethernet (Control) Ethernet (Multicast) with PoE Infrared Digital I/O RS232
ESD Protection	Human Body Model | +/-8kV (air gap discharge) and +/-4kV (contact discharge)
Housing	Metal Enclosure
Colour	Black
Dimensions	(W) 204 x (D) 98 x (H) 21mm
Weight	509g
Power Supply	Input: AC 100 ~ 240V 50/60Hz, Output DC 12V/1A
Power Consumption	4.5 watt
Operating Temperature	32 to 104°F / 0 to 40°C
Storage Temperature	-4 to 140°F / -20 to 60°C
Relative Humidity	20 to 90% RH (no condensation)

5.0 Operation, Controls and Functions

5.1 Front Panel
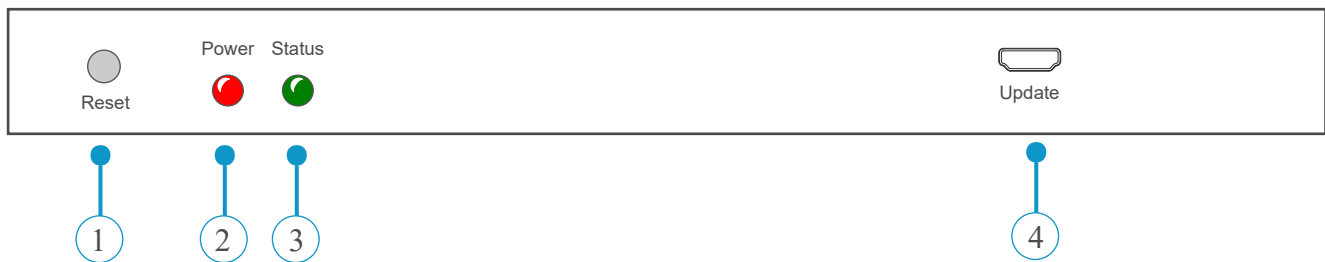
1. **Reset Button** - Press and hold for approximately 10 seconds until the status LED starts to flash, the controller will automatically reset.

2. **Power LED** - Illuminates red when power in applied.

3. **Status LED** - Flashes amber during initialisation and turns solid green when the unit is connected to the control LAN.

4. Firmware update.

5.2 Rear Panel
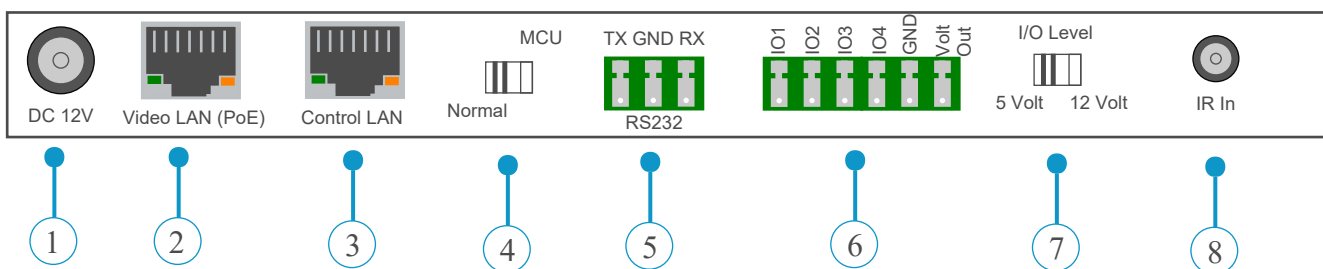
1. 12 Volt Power Jack.

2. 1G Ethernet for multicast video with PoE.

3. 1G Ethernet for system control.

4. **Normal:** Use for RS232 Control. **MCU:** Use for MCU Upgrade.

5. RS232 communication port.

6. I/O Connections - 4 channel I/O level outputs, ground and 12 Volts.

7. I/O Level Switch between +5 and +12 Volt

8. IR In - 12V infrared input port.

5.3 IR Pin Connections
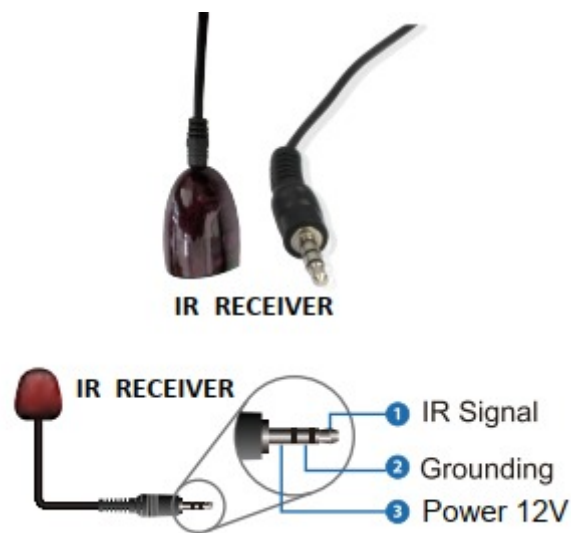
6.0 Web GUI

6.1 Preparation

The controllers Web GUI gives you complete control of encoders and decoders within your LAN/Project.

Step 1: Enter controllers URL or IP address in to your Web Browser address bar.
URL: http://controller.local
Or
IP Address: 192.168.0.225
Subnet: 255.255.0.0

Enter the username (admin) and password (1234).

For first time setup you need to create a project as shown below.

Welcome to the AV over IP setup guide. It leads you to create the system easily by following steps.

You can click the "close" button to load an existing project in web page directly.

Close   Next

Stage 2: Click the "close" button to load an existing project directly in to the web page or click the "next" button to create a new project.

To setup AV over IP system, you need to set the IP management mode of the video LAN domain. The IP management modes are:

- Automatically managed by the controller box.

This is the mode as factory default. The IP address assignments to controller box video LAN, encoders and decoders will be managed by the controller box firmware automatically. In this mode there is no need to add router in the system on video LAN domain.

○ **DHCP Mode**

This is the mode for system in which there is a DHCP router on video LAN domain to assign IP addresses for controller box video LAN, Encoders and Decoders. The router acts as a DHCP server . It's recommended to set the net mask of router to 255.255.0.0.

○ **Static IP Mode by Manual setting**

This is the mode for system in case IP address resources can be assigned manually for controller box video LAN, Encoders and Decoders.

Reminders as below.
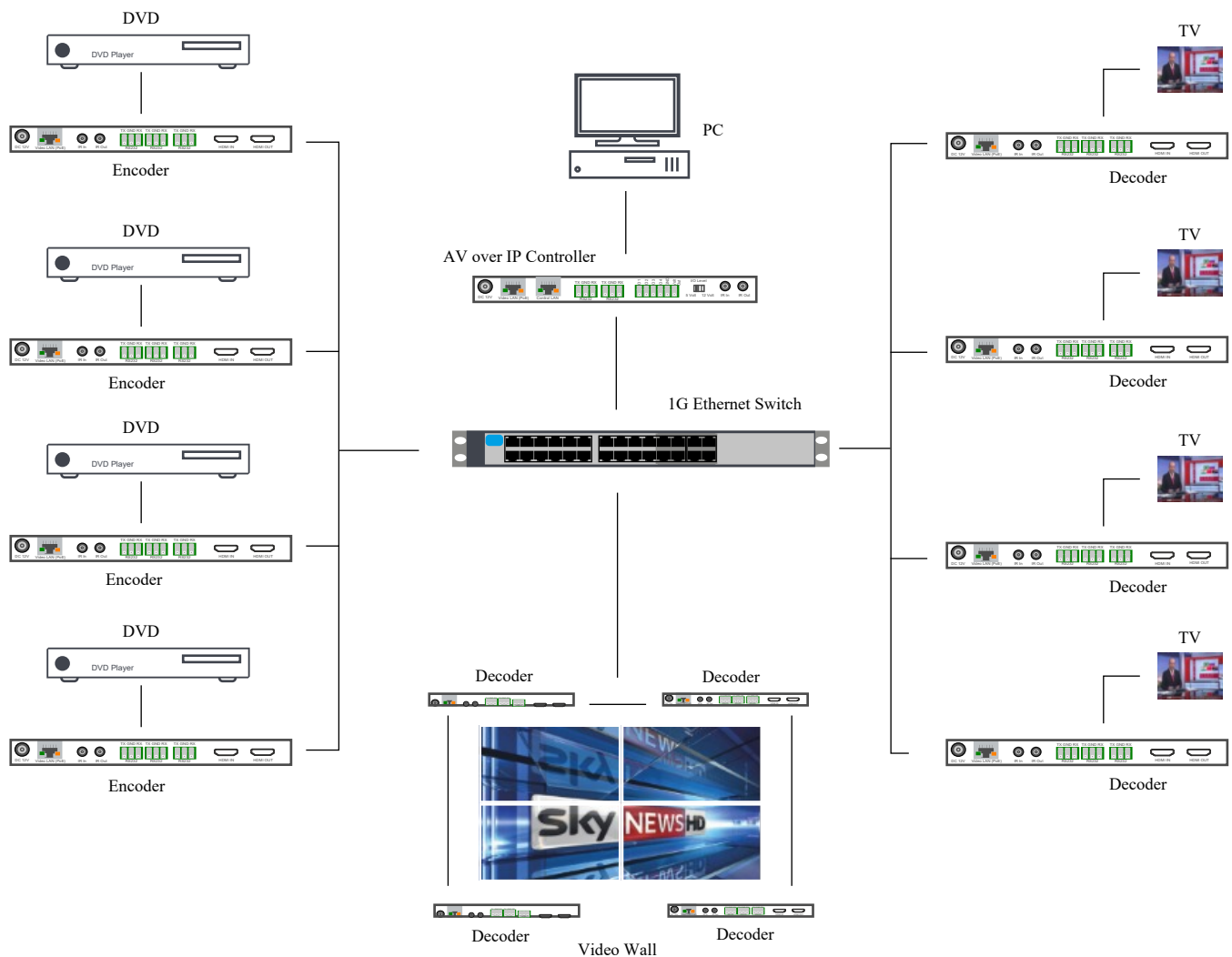
a. The network settings of controller box video LAN, Encoders and Decoders must be on the same subnet.

b. It's recommended to set net mask of controller box video LAN, Encoders and Decoders to 255.255.0.0.

Back   Next

6.2 Mode 1: Automatically managed by the controller box.

Click the "Next" button and wait for the controller to complete a search

Now you can select to automatically add all discovered Encoders and Decoders to the project or just them in the web page where you can add them manually.

● Automatically managed by the controller box.

○ List all discovered Encoders and Decoders

Back   Scan

If you select "Automatically add Encoders and Decoders to project" and click the "Scan" button to enter the project page. All discovered devices will be listed in the current devices page.

AVoIP Project

Current Devices

Display ID	Save Project	Clear Project

Encoders

ID	Name	IP Address	Status	ID	Name	IP Address	Status
1	Encoder 001	169.254.3.6	Offline	1	Decoder 001	169.254.6.8	Offline
2	Encoder 002	169.254.3.1	Offline	2	Decoder 002	169.254.6.5	Offline
3	Encoder 003	169.254.3.7	Offline	3	Decoder 003	169.254.6.2	Offline
4	Encoder 004	169.254.3.4	Offline	4	Decoder 004	169.254.6.6	Online

Unassigned Devices

Stop Scan & Auto Assign	Scan

Unassigned Encoders **Unassigned Decoders**

Click "Stop Scan & Auto Assign" to stop search.

If you select "List all discovered Encoders and Decoders", and click the "Scan" button to enter the Project page. All the connected devices will be listed in the Unassigned Devices list.

AVoIP Project

Unassigned Devices

Configuration & Scan	Stop Scan

Unassigned Encoders **Unassigned Decoders**

IP Addresses	MAC Addresses			IP Addresses	MAC Addresses		
			Add All				Add All
169.254.3.1	6C:DF:FB:00:00:94	Edit	Add	169.254.6.8	6C:DF:FB:00:00:A2	Edit	Add
169.254.3.6	6C:DF:FB:00:03:71	Edit	Add	169.254.6.5	6C:DF:FB:00:03:A4	Edit	Add
169.254.3.4	6C:DF:FB:00:00:91	Edit	Add	169.254.6.2	6C:DF:FB:00:00:A3	Edit	Add
169.254.3.7	6C:DF:FB:00:03:70	Edit	Add	169.254.6.6	6C:DF:FB:00:03:A0	Edit	Add

Click "Stop Scan" to stop search. Then the "Add All" buttons and "Add" buttons behind Unassigned Encoders and Unassigned Decoders in the figure below will become operable.

AVoIP   Project

Unassigned Devices   [Configuration & Scan]   [Stop Scan]

Unassigned Encoders				Unassigned Decoders			
IP Addresses	MAC Addresses		[Add All]	IP Addresses	MAC Addresses		[Add All]
169.254.3.1	6C:DF:FB:00:00:94	Edit	Add	169.254.6.8	6C:DF:FB:00:00:A2	Edit	Add
169.254.3.6	6C:DF:FB:00:03:71	Edit	Add	169.254.6.5	6C:DF:FB:00:03:A4	Edit	Add
169.254.3.4	6C:DF:FB:00:00:91	Edit	Add	169.254.6.2	6C:DF:FB:00:00:A3	Edit	Add
169.254.3.7	6C:DF:FB:00:03:70	Edit	Add	169.254.6.6	6C:DF:FB:00:03:A0	Edit	Add

At this time, you can click the "Add" button behind each unregistered Encoder or Decoder to add the device to the project one by one, or click the "Add All" button to add all Encoders or Decoders to the project.

Encoders and Decoders that have been added to the project will appear in the Current Devices list, as shown in the figure below.

AVoIP   Project

Current Devices   [Display ID]   [Save Project]   [Clear Project]

Encoders				Encoders			
ID	Name	IP Address	Status	ID	Name	IP Address	Status
1	Encoder 001	169.254.3.6	Offline	1	Decoder 001	169.254.6.8	Offline
2	Encoder 002	169.254.3.1	Offline	2	Decoder 002	169.254.6.5	Offline
3	Encoder 003	169.254.3.7	Offline	3	Decoder 003	169.254.6.2	Offline
4	Encoder 004	169.254.3.4	Offline	4	Decoder 004	169.254.6.6	Online

Unassigned Devices   [Configuration & Scan]   [Scan]

Unassigned Encoders   Unassigned Decoders

6.3 Mode 2: DHCP Mode - Please connect all devices according to the diagram below.

Select "DHCP" Mode on the interface as shown below, then follow the steps is "Mode 1".

To setup AV over IP system, you need to set the IP management mode of the video LAN domain. The IP management modes are:

○ **Automatically managed by the controller box.**

This is the mode as factory default. The IP address assignments to controller box video LAN, encoders and decoders will be managed by the controller box firmware automatically. In this mode there is no need to add router in the system on video LAN domain.

● DHCP Mode

This is the mode for system in which there is a DHCP router on video LAN domain to assign IP addresses for controller box video LAN, Encoders and Decoders. The router acts as a DHCP server . It's recommended to set the net mask of router to 255.255.0.0.

○ **Static IP Mode by Manual setting**

This is the mode for system in case IP address resources can be assigned manually for controller box video LAN, Encoders and Decoders.

Reminders as below.

a. The network settings of controller box video LAN, Encoders and Decoders must be on the same subnet.

b. It's recommended to set net mask of controller box video LAN, Encoders and Decoders to 255.255.0.0.

Back   Next

6.4 Mode 3: Static IP mode
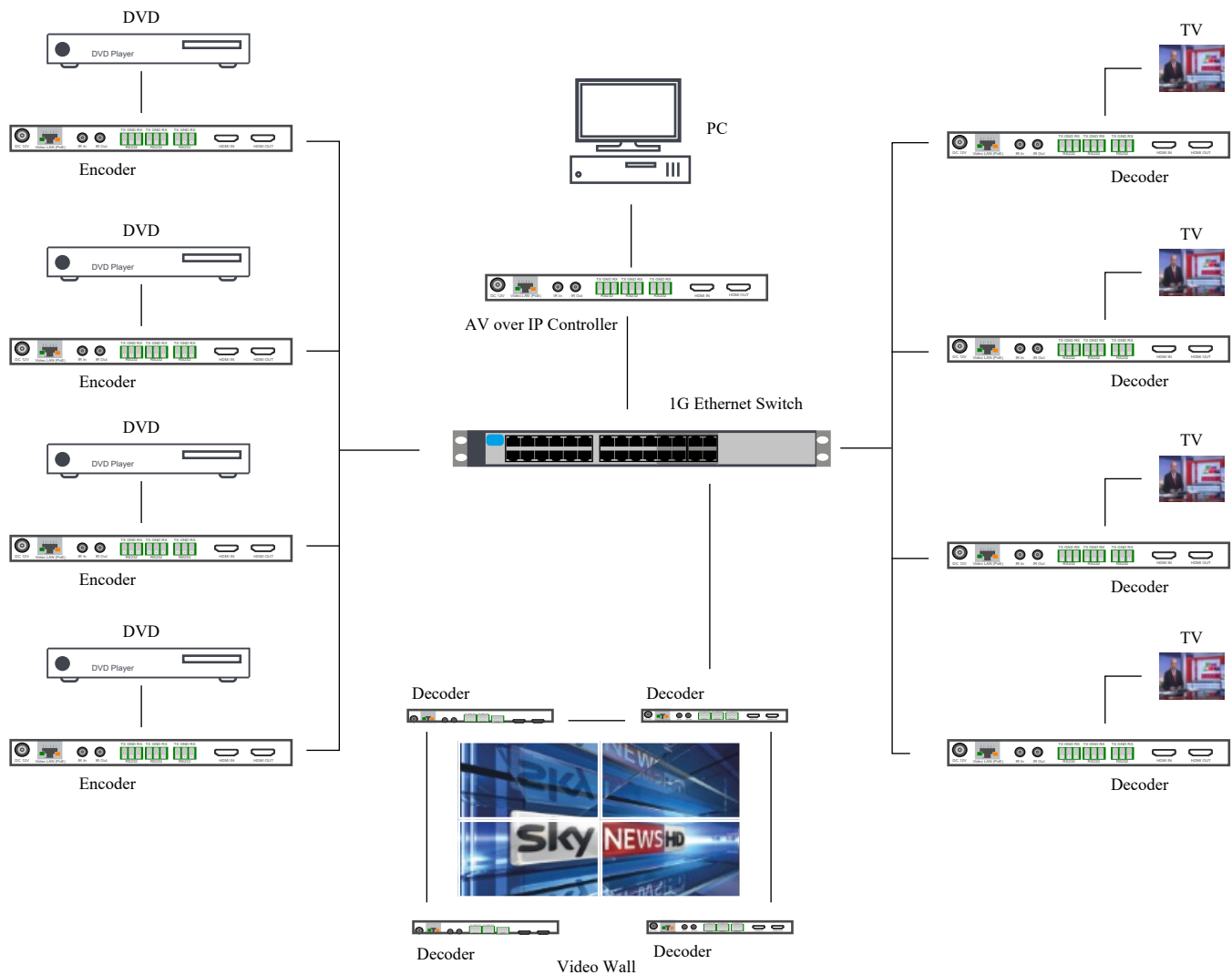
Select "Static IP" Mode on the interface as shown below, then follow the steps is "Mode 1".

To setup AV over IP system, you need to set the IP management mode of the video LAN domain. The IP management modes are:

○ **Automatically managed by the controller box.**

This is the mode as factory default. The IP address assignments to controller box video LAN, encoders and decoders will be managed by the controller box firmware automatically. In this mode there is no need to add router in the system on video LAN domain.

○ **DHCP Mode**

This is the mode for system in which there is a DHCP router on video LAN domain to assign IP addresses for controller box video LAN, Encoders and Decoders. The router acts as a DHCP server . It's recommended to set the net mask of router to 255.255.0.0.

● Static IP Mode by Manual setting

This is the mode for system in case IP address resources can be assigned manually for controller box video LAN, Encoders and Decoders.

Reminders as below.

a. The network settings of controller box video LAN, Encoders and Decoders must be on the same subnet.

b. It's recommended to set net mask of controller box video LAN, Encoders and Decoders to 255.255.0.0.

Back

Next

After entering the interface as shown in the dialogue box below, manually set the IP address, subnet mask and gateway for the video LAN.

Controller Box Video LAN Port Settings

IP Address   169.254.2.225

Subnet Mask   255.255.0.0

Gateway   169.254.2.1

Remember:

Once the Controller Box Video LAN network is set, the IP addresses of following discovered Encoders and Decoders will be assigned to the same domain with Controller Box Video LAN. Please click the "Next" button to set the IP address range of the Encoders and Decoders.

Back   Next

Note:
It's highly recommended to use a different IP network domain from the Control domain.

After the progress reaches 100%, the following dialogue box will appear.

Encoders and Decoders IP Address Range Settings.

Encoders IP Address Range   169.254.0.1   To   169.254.255.224

Decoders IP Address Range   168.254.0.1   To   255.254.255.254
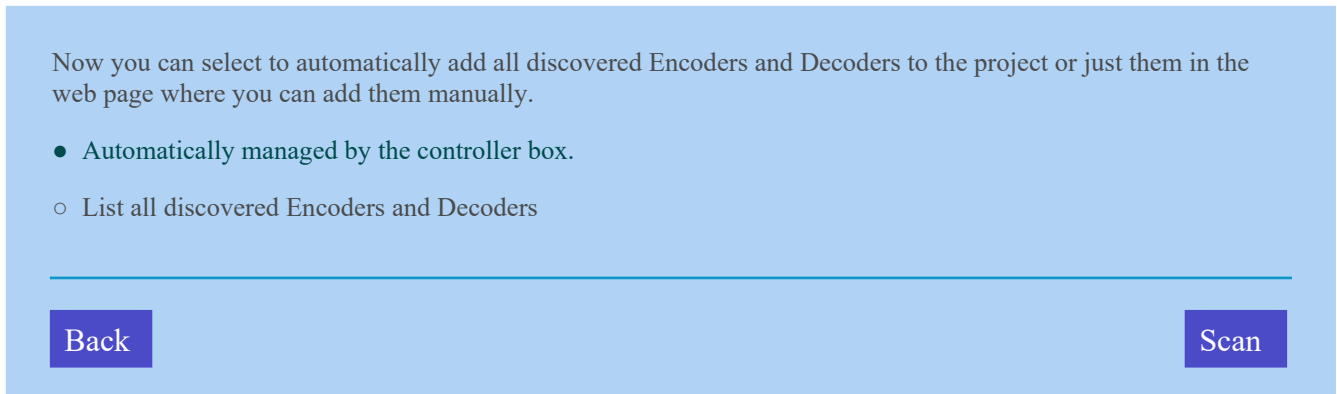
Remember:

To easily manage the IP addresses of Encoders and Decoders, it's strongly recommended that you set the IP address of the Encoders and Decoders to different segments. For Example.

Encoders IP address from 169.254.3.1 to 169.254.3.254

Decoders IP address from 169.254.6.1 to 169.254.6.254

Back   Next

On this interface, you can set the IP address range of Encoders and Decoders. After the setting is complete, click the "Next" button to enter the interface as shown in the figure below.

Now you can select to automatically add all discovered Encoders and Decoders to the project or just them in the web page where you can add them manually.

- Automatically managed by the controller box.

○ List all discovered Encoders and Decoders

Back   Scan
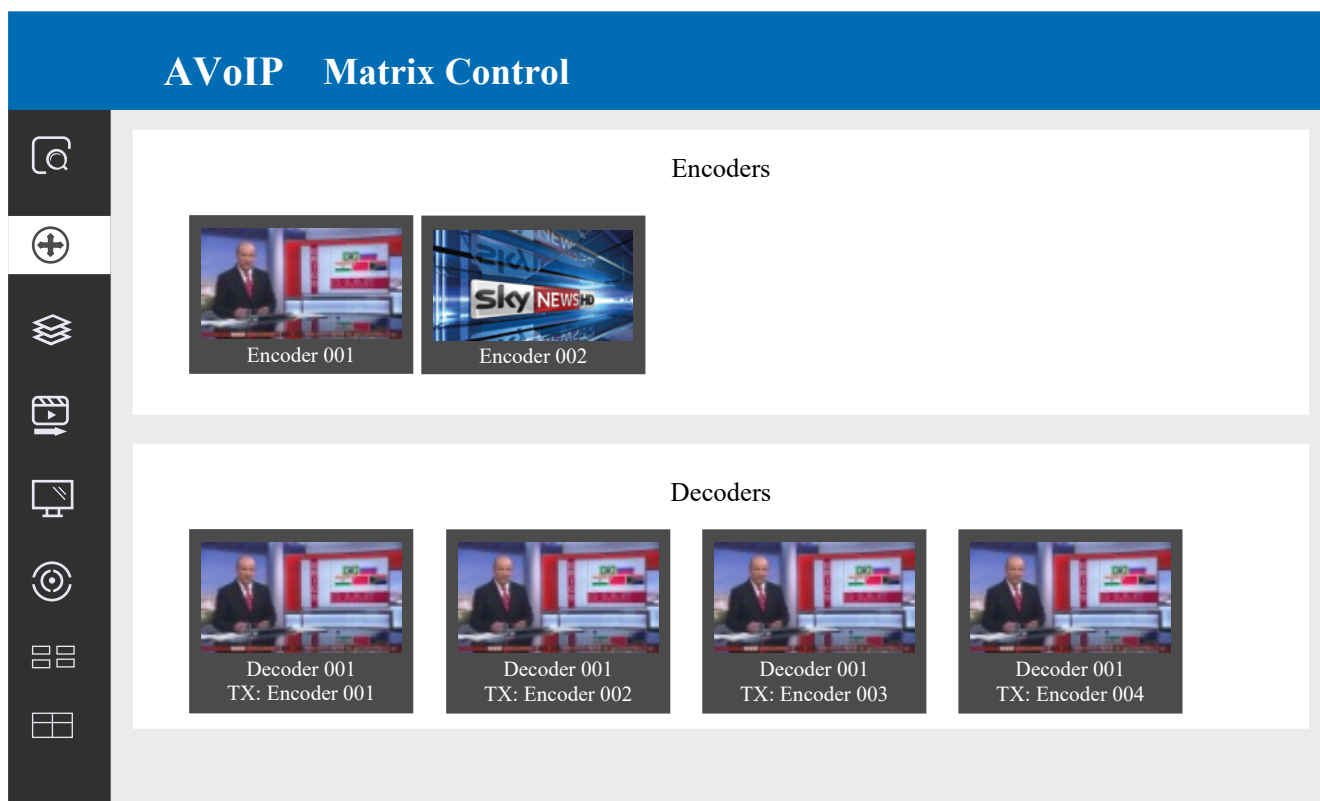
Follow Step 1 to complete setup.

7.0 System Control
7.1 Preview

- Preview Page
- On this page, you can preview the Encoder/Decoder by clicking the drop down list on the right side.

AVoIP   Preview

Encoder 001 ∨   Decoder 001 ∨

7.2 Matrix Control

Encoders: Display all the current Encoders. The text in the figure is the name of the device.
Decoders: Display all the current Decoders. The text on the first line is the name of the Decoder, and the text on the second line refers to the Encoder where the signal resource is from.

Operating Instructions:
(1) If an Encoder shows "No Signal", it means that the Encoder cannot be dragged.

(2) If there is an image on an Encoder, it means that the Encoder can be dragged. As shown in the figure above, if an Encoder is dragged to the place where the red arrow points to, all Decoders will share the same signal resource from this Encoder; if an Encoder is dragged to the place where the blue arrow points to, only the indicated Decoder can receive signals from this Encoder.

7.3 Project Page

AVoIP   Project

Current Devices

[Display ID] [Save Project] [Clear Project]

Encoders

ID	Name	IP Address	Status
1	Encoder 001	169.254.3.6	Offline
2	Encoder 002	169.254.3.1	Offline
3	Encoder 003	169.254.3.7	Offline
4	Encoder 004	169.254.3.4	Offline

Encoders

ID	Name	IP Address	Status
1	Decoder 001	169.254.6.8	Offline
2	Decoder 002	169.254.6.5	Offline
3	Decoder 003	169.254.6.2	Offline
4	Decoder 004	169.254.6.6	Online

Unassigned Devices

[Configuration & Scan] [Scan]

Unassigned Encoders   Unassigned Decoders

Current Devices: Devices that have been added to the current project.
Unassigned Devices: Devices not added to the current project.

Operating Instructions:
(1) Click "Display ID" to display the ID or PATTERN of the Decoders.
(2) Click "Save Project" to save the project file (config_file.json), so that you can use the saved project next time without scanning devices again.
(3) Click "Clear Project" to clear the current project, then you will need to setup devices again.
(4) Click "Scan" to search devices that do not appear in the current project; Click "Stop Scan", then it will stop searching.
(5) Click "Configuration & Scan" to search new devices automatically and add to the current project.

7.4 Encoders

	ID	Name	MAC Address	IP Address	Firmware	Status	EDID	Audio Selection
>	1	Encoder 001	6C:DF:FB:00:09:71	169.254.3.5	1.00.21	Online	Default EDID ∨	HDMI ∨
>	2	Encoder 002	6C:DF:FB:00:09:72	169.254.3.1	1.00.21	Online	Default EDID ∨	HDMI ∨
>	3	Encoder 003	6C:DF:FB:00:09:70	169.254.3.2	1.00.21	Online	Default EDID ∨	HDMI ∨
>	4	Encoder 004	6C:DF:FB:00:09:73	169.254.3.6	1.00.21	Online	Default EDID ∨	HDMI ∨
>	5	Encoder 005	6C:DF:FB:00:09:74	169.254.3.4	1.00.21	Online	Default EDID ∨	HDMI ∨
>	6	Encoder 006	6C:DF:FB:00:09:75	169.254.3.3	1.00.21	Online	Default EDID ∨	HDMI ∨

AVoIP   Encoders

Refresh

1.**ID:** The ID of the current device. (Note: ID is not duplicated.)
2.**Name:** The name of the current device. (Note: Name is not duplicated.)
3.**MAC Address:** The MAC Address of the current device.
4.**IP Address:** The IP Address of the current device.
5.**Firmware:** The Firmware version No. of the current device.
6.**Status:** The status (online or offline) of the current device.
7.**EDID:** The EDID of the current device.
8.**Audio Selection:** The Audio Selection of the current device.

Operating Instructions

Click "Refresh" to refresh the data of the current Encoders.
Click the drop-down list of EDID to set the current Encoder's EDID.
Click the drop-down list of Audio Selection to set the current Encoder's audio output.
Click the icon on the left of ID to check the detail information about the as shown in below:

AVoIP   Encoders

Refresh

	ID	Name	MAC Address	IP Address	Firmware	Status	EDID	Audio Selection
>	1	Encoder 001	6C:DF:FB:00:09:71	169.254.3.5	1.00.21	Online	Default EDID ∨	HDMI ∨

Name	Encoder 001 ∨
Update ID	Select ∨
CEC Pass-Through	On ∨
Power LED	Off ∨
Copy EDID	Select a Decoder ∨
Serial Settings	Apply
Network Settings	Apply
Preview	
Reboot	Reboot
Replace (Must be offline)	Replace
Remove from Project	Remove
Factory Default Reset	Reset

7.5 Decoders

	ID	Name	MAC Address	IP Address	Firmware	Status	Source	Scaler Resolution	HDR	Function
>	1	Decoder 001	6C:DF:FB:00:09:97	169.254.6.6	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨
>	2	Decoder 002	6C:DF:FB:00:09:92	169.254.6.7	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨
>	3	Decoder 003	6C:DF:FB:00:09:94	169.254.6.2	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨
>	4	Decoder 004	6C:DF:FB:00:09:95	169.254.6.3	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨
>	5	Decoder 005	6C:DF:FB:00:09:93	169.254.6.1	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨
>	6	Decoder 006	6C:DF:FB:00:09:90	169.254.6.8	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨

(AVoIP Decoders — Refresh)

1.**ID:** The ID of the current device. (Note: ID is not duplicated.)
2.**Name:** The name of the current device. (Note: Name is not duplicated.)
3.**MAC Address:** The MAC Address of the current device.
4.**IP Address:** The IP Address of the current device.
5.**Firmware:** The Firmware version No. of the current device.
6.**Status:** The status (online or offline) of the current device.
7.**Source:** The signal source (Encoder) of the current device.
8.**Scaler Resolution:** The resolution of the current device.
9.**HDR:** The HDR status of the current device.
10.**Function:** The mode of the current device.

Operating Instructions:

1.Click "Refresh" to refresh the data of the current Decoders.
2.Click the drop-down list of Source to select the current Decoder's signal source.
3.Click the drop-down list of Scaler Resolution to select the current Decoder's resolution.
4.Click the drop-down list of HDR to turn on/off HDR.
5.Click the drop-down list of Function to select the current Decoder's mode.
6.Click the icon on the left of ID to check the detail information about the current Decoder, as shown in below:

AVoIP Decoders

Refresh

ID	Name	MAC Address	IP Address	Firmware	Status	Source	Scaler Resolution	HDR	Function
1	Decoder 001	6C:DF:FB:00:09:97	169.254.6.6	1.00.21	Online	Encoder 005 ∨	Pass Through ∨	On ∨	Matrix ∨

Name	Decoder 001 ∨
Update ID	Select ∨
CEC Pass-Through	On ∨
Power LED	Off ∨
Copy EDID	Select a Decoder ∨
Serial Settings	Apply
Network Settings	Apply
Preview	
Reboot	Reboot
Replace (Must be offline)	Replace
Remove from Project	Remove
Factory Default Reset	Reset

7.6 Locked Signal Routing

AVoIP   Locked Signal Routing

					Help	Refresh		
ID	Name	IP Address	Video	Audio	IR	Serial	USB	CEC
1	Decoder 001	169.254.6.25	Follow	Follow	Follow	Follow	Follow	Follow
2	Decoder 002	169.254.6.35	Follow	Follow	Follow	Follow	Follow	Follow
3	Decoder 003	169.254.6.30	Follow	Follow	Follow	Follow	Follow	Follow
4	Decoder 004	169.254.6.15	Follow	Follow	Follow	Follow	Follow	Follow
5	Decoder 005	169.254.6.20	Follow	Follow	Follow	Follow	Follow	Follow

On this page, you can independently route the different signals between Encoder & Decoder devices. Please click "Locked Routing Help" for details.

7.7 Video Wall Management

AVoIP   Video Wall Management

Video Wall List   Help   Refresh

ID	Name	Vertical	Horizontal	Create	Video Wall Name	Configuration Name	Class Name	Config Source
There are no video walls in your current project				Remove		There are no video walls in your current project		

Step 1: Click "Create" to reveal the following window.
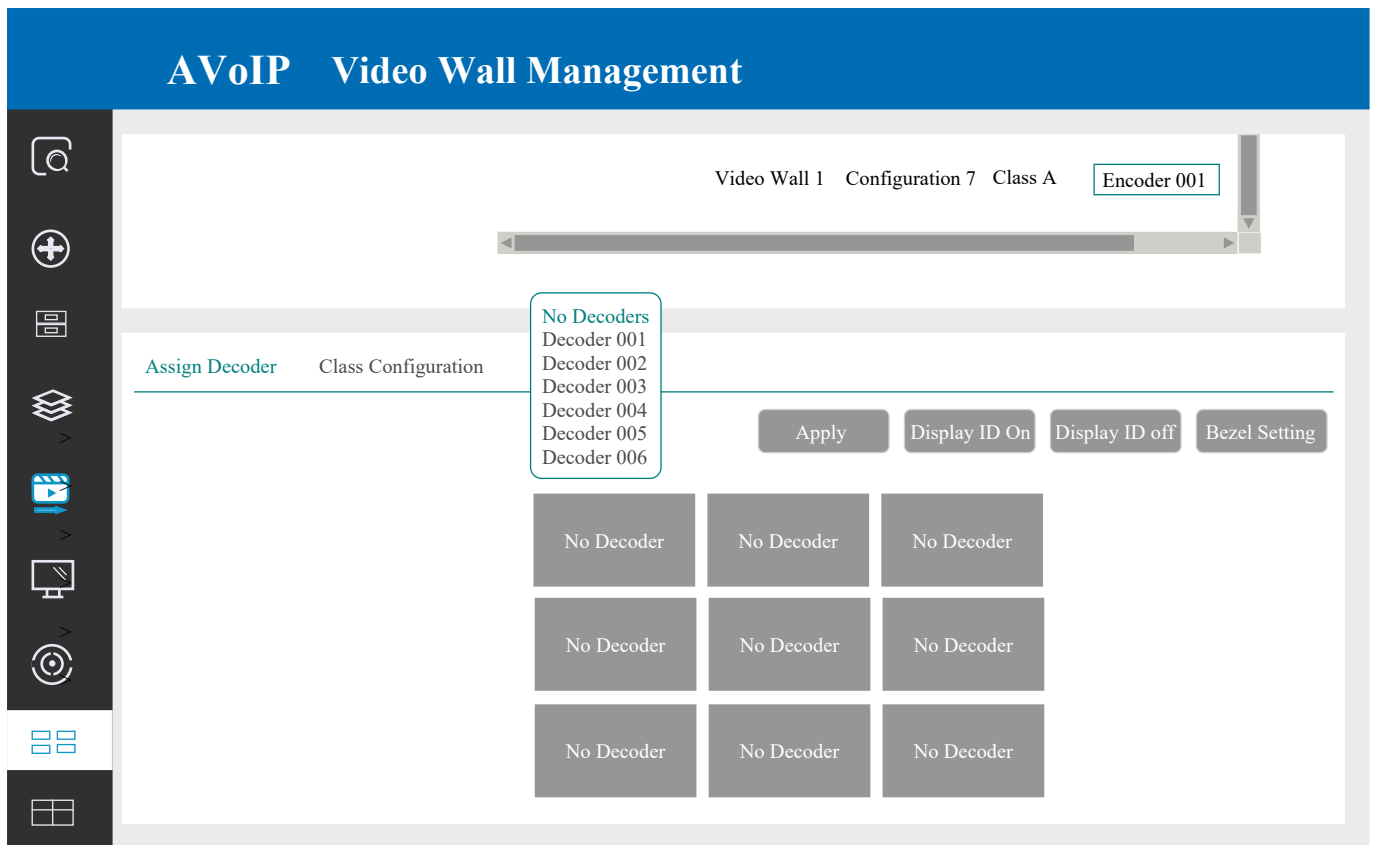
Create a new Video Wall
_____

Video Wall ID	1 ∨
Name	Video Wall 1
Horizontal	3 ∧∨
Vertical	3 ∧∨

You can set the Video Wall ID, Name, Horizontal and Vertical panel numbers.

Then click "Create" to create the Video Wall.

Note: Up to 9 video walls can be created.

Step 2: Select the video wall that you want to configure on the "Video Wall List", then click "Assign Decoder" to enter the Decoder assignment page.
Click each screen to select the corresponding Decoder device, then click "Apply".

AVoIP   Video Wall Management

Video Wall 1   Configuration 7   Class A   Encoder 001

Assign Decoder   Class Configuration

No Decoders
Decoder 001
Decoder 002
Decoder 003
Decoder 004
Decoder 005
Decoder 006

Apply   Display ID On   Display ID off   Bezel Setting

No Decoder	No Decoder	No Decoder
No Decoder	No Decoder	No Decoder
No Decoder	No Decoder	No Decoder

Note: A Decoder can only be assigned to one Video Wall.

Step 3: Click "Class Configuration" to enter the class configuration page, then click each screen to select the corresponding Class as required (the same class name will form a video wall, you can create a regular or irregular video wall by Class Configuration). Then click "Apply".
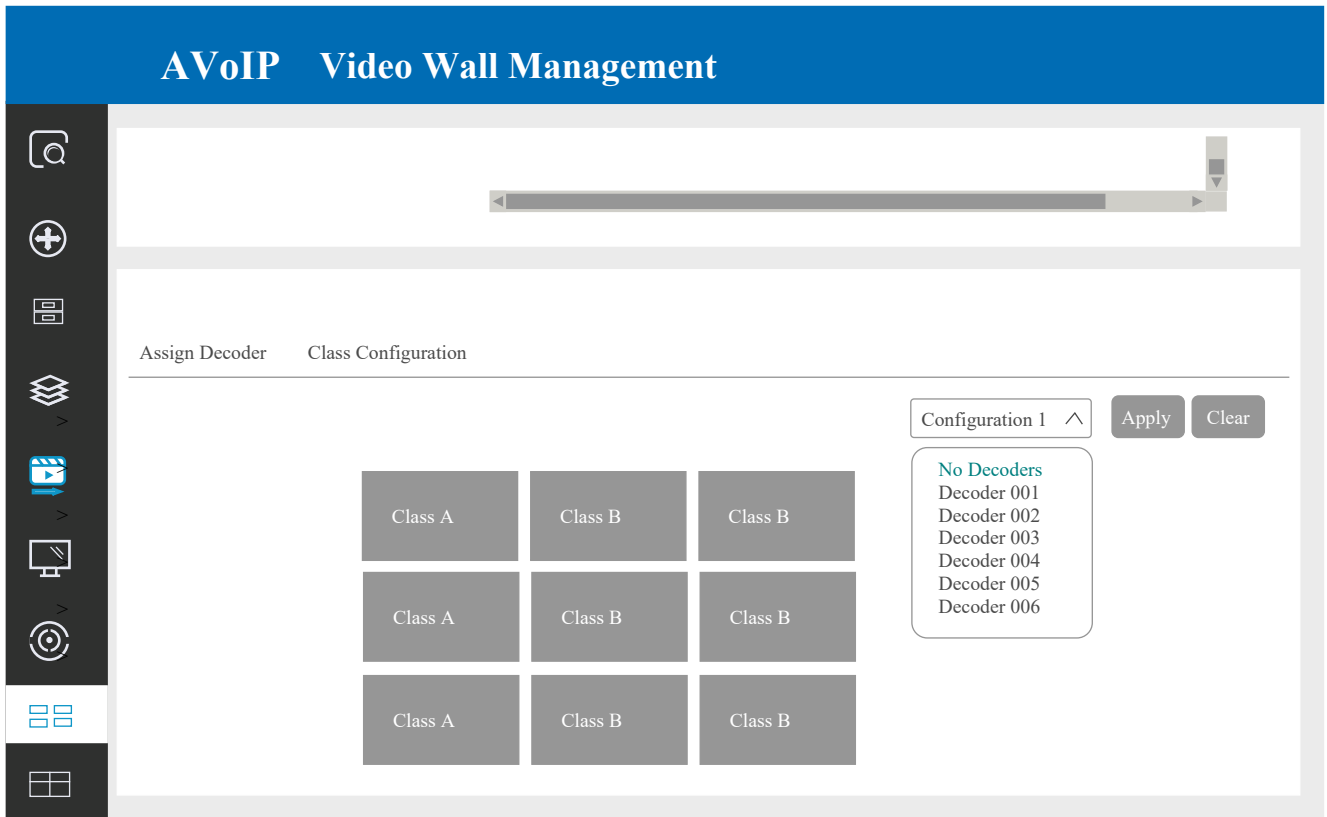
Note: Up to seven configurations can be set up for different application scenarios.

Step 4: After configuration, you can switch to "Video Wall Control" page for video preview, as shown in below.
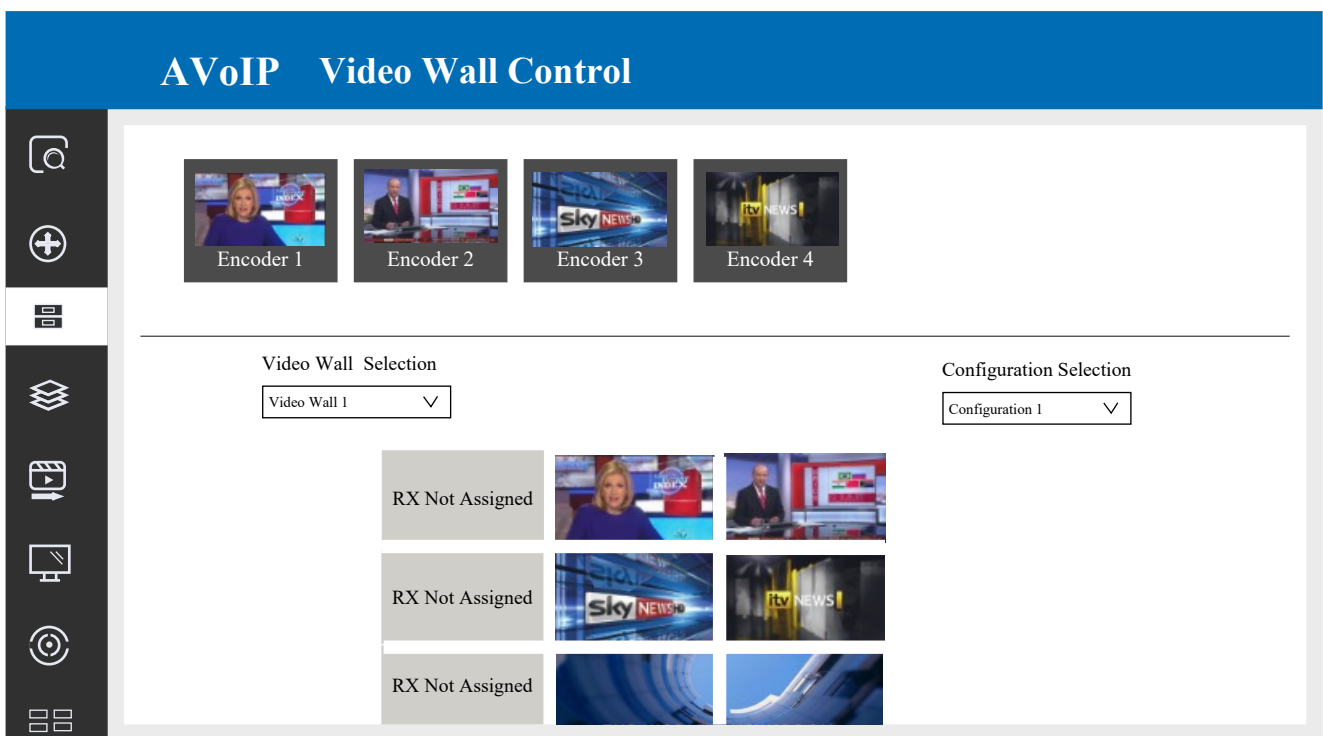
On this page, you can select different video walls and configurations that you have set up by clicking the drop-down box on the right of "Video Wall Selection / Configuration Selection". Besides, you can directly drag Encoders at the top of the page to the video wall to change signal sources. If you want to delete a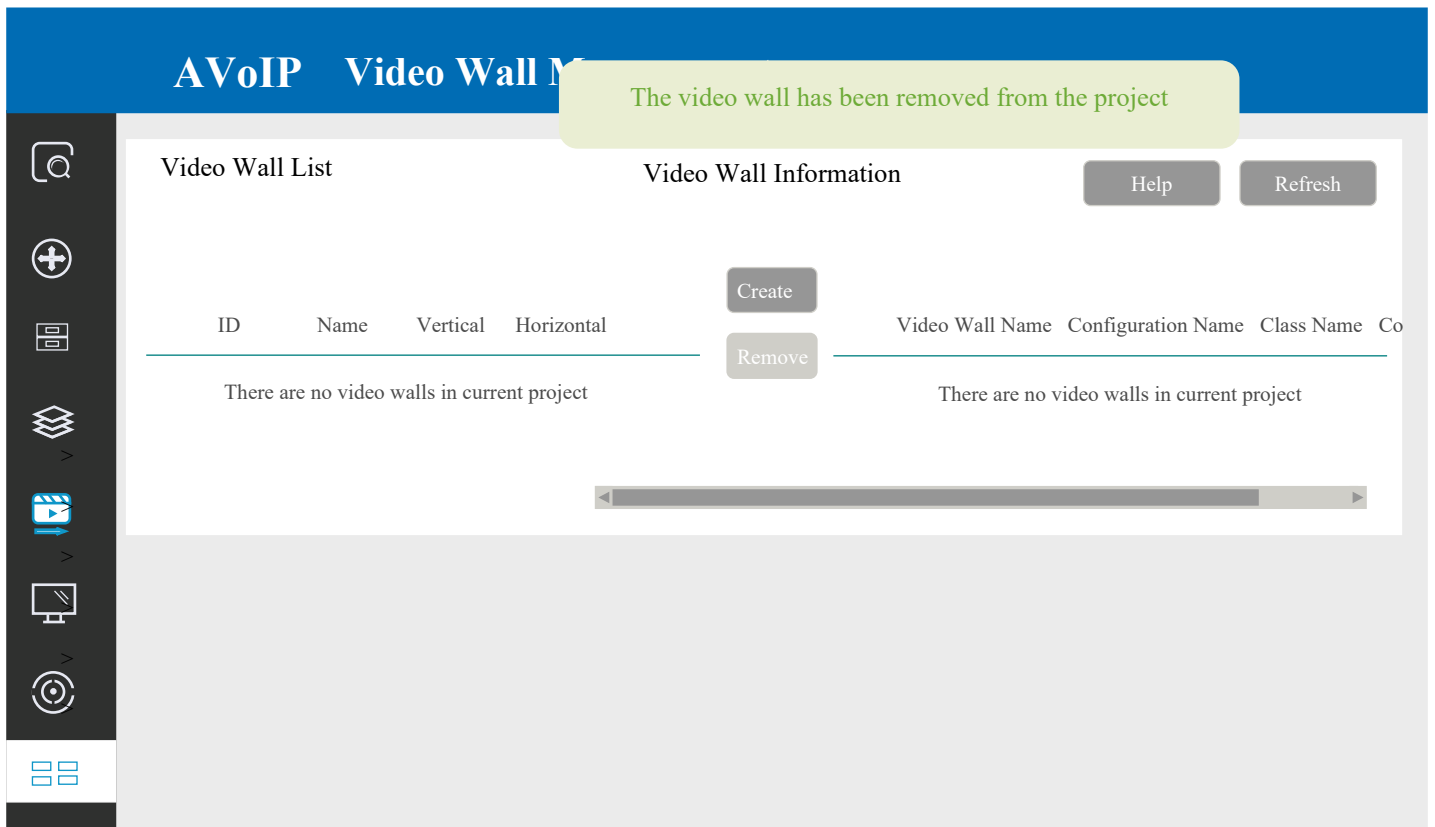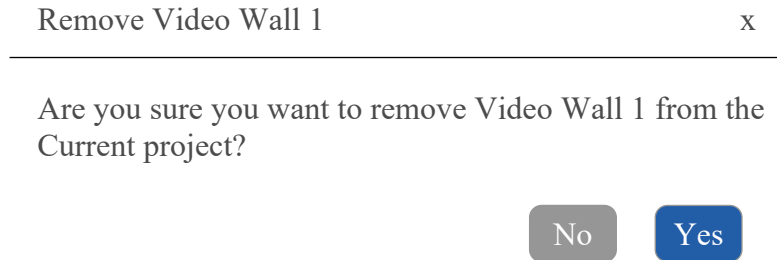 video wall, just select the video wall on the "Video Wall List", then click "Remove" . A prompt window will pop up and you can delete it after clicking "Yes".

Remove Video Wall 1   x

Are you sure you want to remove Video Wall 1 from the Current project?

No   Yes

AVoIP   Video Wall M

The video wall has been removed from the project

Video Wall List   Video Wall Information   Help   Refresh

Create

Remove

ID	Name	Vertical	Horizontal
There are no video walls in current project			

Video Wall Name	Configuration Name	Class Name	Co
There are no video walls in current project			

Notes:

(1) Each Decoder can be set into a part of a video wall array. Each system can contain multiple video walls with different sizes. Each video wall can be assigned to different screens and different layouts that range from 1x2 up to 9x9.

(2) The controller creates and manages the video wall configurations and provides a simplified control interface and API commands to third party control system.

7.8 Users

<div>

AVoIP   Users

		Help	New User	Refresh

ID	Encoders IDs	Decoder IDs

There are no users in the system

</div>

On this page you can setup user accounts.

7.9 Controller Settings

<div>

AVoIP   Controller Settings

Reset Controller   Update

General Settings

Name	IP0103-IPB	**Version**	1.19	**GUI Version**	1.3.1
IR Control	On	**Telnet Port**	23	**RS232 Baud Rate**	57600

Control Network

DHCP	Enabled	**IP Address**	192.168.70.1	**Subnet Mask**	255.255.255.0
Gateway	192.168.70.1	**MAC Address**	2E:F4:7D:C9:68:12		

Video Network

IP Address	169.254.2.225	**Subnet Mask**	255.255.0.0	**Gateway**	169.254.2.1
MAC Address	2E:F4:7D:C9:68:11				

</div>

General Settings: The basic settings of the Controller.
Control Network: The network port configuration of the Controller connected to the Switch.
Video Network: The network port configuration of the Controller connected to video source devices.

You can update the settings or reset the Controller.

7.10 Firmware Update

AVoIP　Firmware Update

| | Show Progress | Upload Firmware | Upload Encoder or Decoder Firmware | | | | Update SS Firmware |

Update Firmware

Encoders　　　　　　　　Update All　　　　　　　　**Decoders**　　　　　　　　Update All

ID	Name	SS Firmware	Firmware		ID	Name	Firmware	
1	Encoder 001	1.02.15	1.00.21	Update	1	Decoder 001	1.00.22	Update
2	Encoder 002	1.02.15	1.00.21	Update	2	Decoder 002	1.00.22	Update
3	Encoder 003	1.02.15	1.00.21	Update	3	Decoder 003	1.00.22	Update
4	Encoder 004	1.02.15	1.00.21	Update	4	Decoder 004	1.00.22	Update
5	Encoder 005	1.02.15	1.00.21	Update	5	Decoder 005	1.00.22	Update
6	Encoder 006	1.02.15	1.00.21	Update	6	Decoder 006	1.00.22	Update

On this page, you can separately update the firmware of any Encoder/Decoder by clicking the corresponding "Update" button on the right, or update all the firmware of Encoder/Decoder simultaneously by clicking the corresponding "Update All" button. Also you can update the Second Stream chip firmware by clicking the "Update SS Firmware" button.

7.11 Password

AVoIP　Firmware Update

| | Show Progress | Upload Firmware | Upload Encoder or Decoder Firmware | | | | Update SS Firmware |

Update Firmware

Encoders　　　　　　　　　　　　　　　　　　　　Update All

ID　Name　SS Firmware

Update Password

Password _____

Confirm Password _____

Update Password

1	Encoder 001	1.02.15		.0.22	Update
2	Encoder 002	1.02.15		.0.22	Update
3	Encoder 003	1.02.15		.0.22	Update
4	Encoder 004	1.02.15	1.00.21	4 Decoder 004 1.00.22	Update
5	Encoder 005	1.02.15	1.00.21	5 Decoder 005 1.00.22	Update
6	Encoder 006	1.02.15	1.00.21	6 Decoder 006 1.00.22	Update

On this page, you can change the password. Note that after changing, it will skip to the Web browser home page or the Web GUI login interface automatically. You need to log in the Web GUI again with the new password.

8.0 Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, pint thinner of benzene to clean these devices.

Servicing

Damage requiring service: This product should be serviced by a qualified service engineer if:
- The DC power cord or AC adaptor has been damaged.
- Objects or liquids have entered the housings.
- The product has been exposed to rain.
- The product has stopped working or shows signs of significant change in operating performance or function.
- The unit has been dropped or severely damaged externally.

Servicing personnel: Do not attempt to service the product beyond that described in these instructions. Refer all other servicing to authorised serving personnel.

Replacement parts: When parts need replacing ensure the service engineer uses parts specified by the manufacture or parts that have the same characteristics as the original parts. Unauthorised substitutes may result in fire, electric shock or other hazards.

Safety check: After a repair or service, ask the engineer to perform safety checks to confirm the product is in proper working condition.

Warranty

If your product does not work properly because of a defect in materials or workmanship, our Company (referred to as "the warrantor") will , for the length of the period indicated as below, (Parts and labour 2 years) which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new of a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labour" Limited Warranty period there will be no charge for labour. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

Returning a Product

When shipping the unit carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone number and/or email address where you can be reached.

Limited warranty limits and exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, maladjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service centre or other authorized service engineer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only).

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY. This returns policy does not affect your legal rights. Details of your legal rights are available from Trading Standards or Citizens Advice Consumer Service.