



OMS™

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Chapter1 Setup

OMS is a software tool for computers that enables remote and centralized management of multiple large display devices by IT Administrators/technicians through a local area network (LAN).

OMS management capabilities include the ability to remotely monitor, control, diagnosis, alert and configure displays individually or as groups for both Optoma and Non-Optoma Display (with PLink Class2 support).

1.1 System requirements

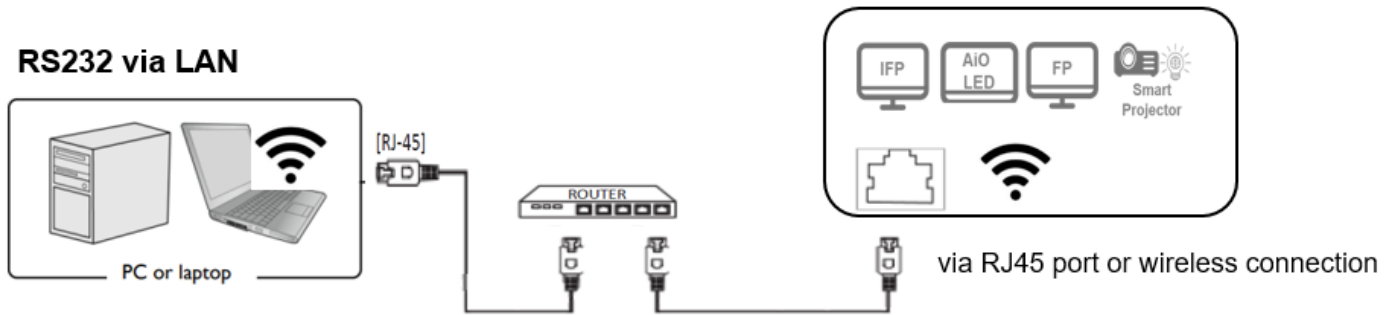
OS (Operating system)	Windows 10 (32bit/ 64bit) Windows 11 (64bit) ※Microsoft .NET Framework 4.5.2 or later is required
CPU	Intel i5, or above
Memory	4GB or higher (8GB is recommended).
Hard disk space free	<ul style="list-style-type: none">● Drive C and Drive D.● Available disk space: 100MB in Drive (C or D).
Display	1054x640 or higher It is suggested that the resolution for your computer is set to 1054x640 or higher with a standard size/ratio to ensure the best visualization of the OMS interface.
Connectivity	<ul style="list-style-type: none">● RJ45 Ethernet port & Network connection● DHCP (with Intranet IP Address)
Notes	<ul style="list-style-type: none">● Note that this does not guarantee that any computer satisfying the above requirements will be able to run the software.● For a display to support management via OMS the display must feature the following items: An RJ-45 Ethernet port with LAN control functionality

1.2 Initial setup

Before you can properly use OMS to manage your display(s), the following setup procedures must be completed:

1. Connect the displays and computer to the same network
2. Install OMS on your computer
3. Configure display settings

1.3 Connect the display(s) and computer to a network



To connect the displays and computer to the same network, follow the steps below:

1. Connect the displays to an Ethernet LAN or WAN network via a hub, switch or router using RJ-45 cables.
2. Connect the computer to the same network using either an RJ-45 cable or via a wireless connection.

1.4 Install OMS

To install OMS on your computer, first ensure that the computer meets the minimum system requirements described in the system requirements section of this User Manual, then follow the steps below:

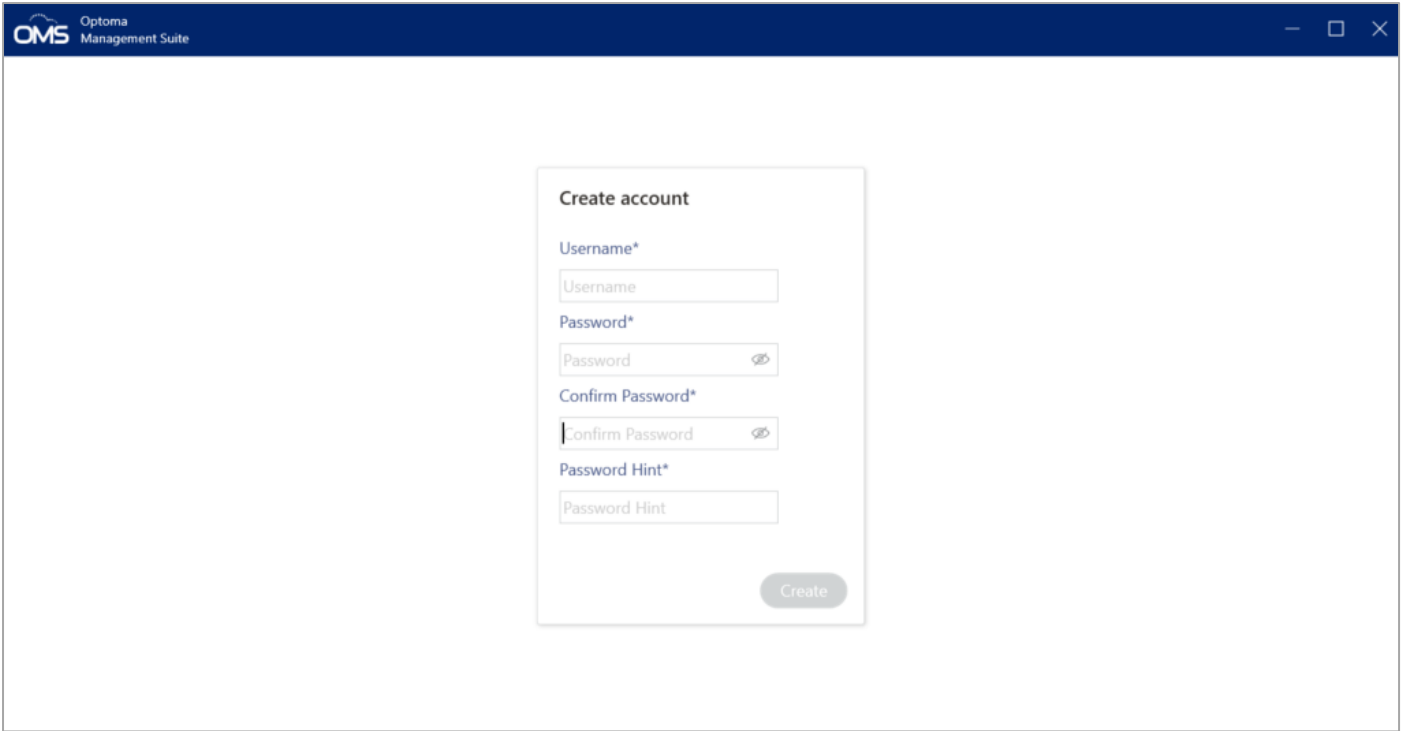
1. Download the OMS software from the following URL:

<https://www.optoma.com/support/oms/>

2. Launch the installation file and follow the on-screen instructions to complete the installation.

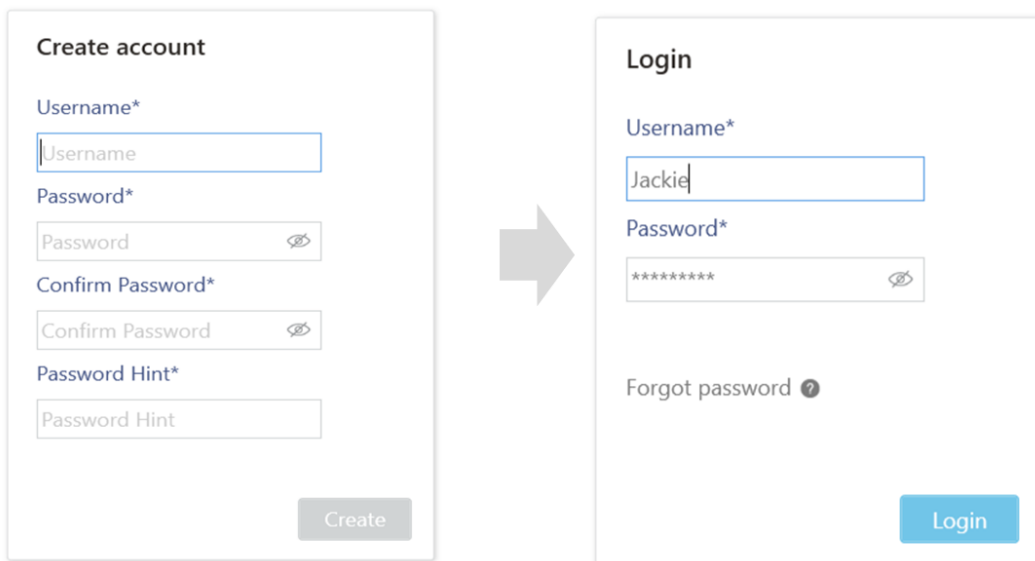
- For details on the location of ports and connectors, please refer to the documentations for the computer and displays.
- It is suggested that you connect your computer to the network using a RJ-45 cable to ensure a stable connection.

To launch the software, simply double-click the software shortcut icon on the desktop. The main page will appear on the screen.



1.5 Create account

To start OMS for the first time, you need to create a login account.



Rule:

1. User name cannot contain the following characters: / \ [] : | < > + = ; , ? * %

2. Password

- Between 10 to 128 characters.
- At least one letter and one capital letter.
- At least one special characters from !"#\$%&'()*+,-./:;<=>?@[\\]^_`{|}~.
- Not more than 2 identical characters in a row (e.g., 111 not allowed)

Create account

Username*

Username cannot contain the following characters: \ ^] ; < > + = , ? * %

Confirm Password*

Password Hint*

Create

Create account

Username*

Password*

Password rule:

- Between 10 to 128 characters.
- At least one letter and one capital letter.
- At least one special characters from ! " # \$ % & ' () * + , - / : ; < = > ? @ [\] ^ _ { | } ~
- Not more than 2 identical characters in a row (e.g., 111 not allowed)

Create

1.6 Forget password

1. In order to jog the user's memory, the login systems allow a hint to be entered.
2. If you forget the password, you have to reinstall the app and create a new account.

Login

Username*

Password*

Password Hint:
ab

Forgot password ?

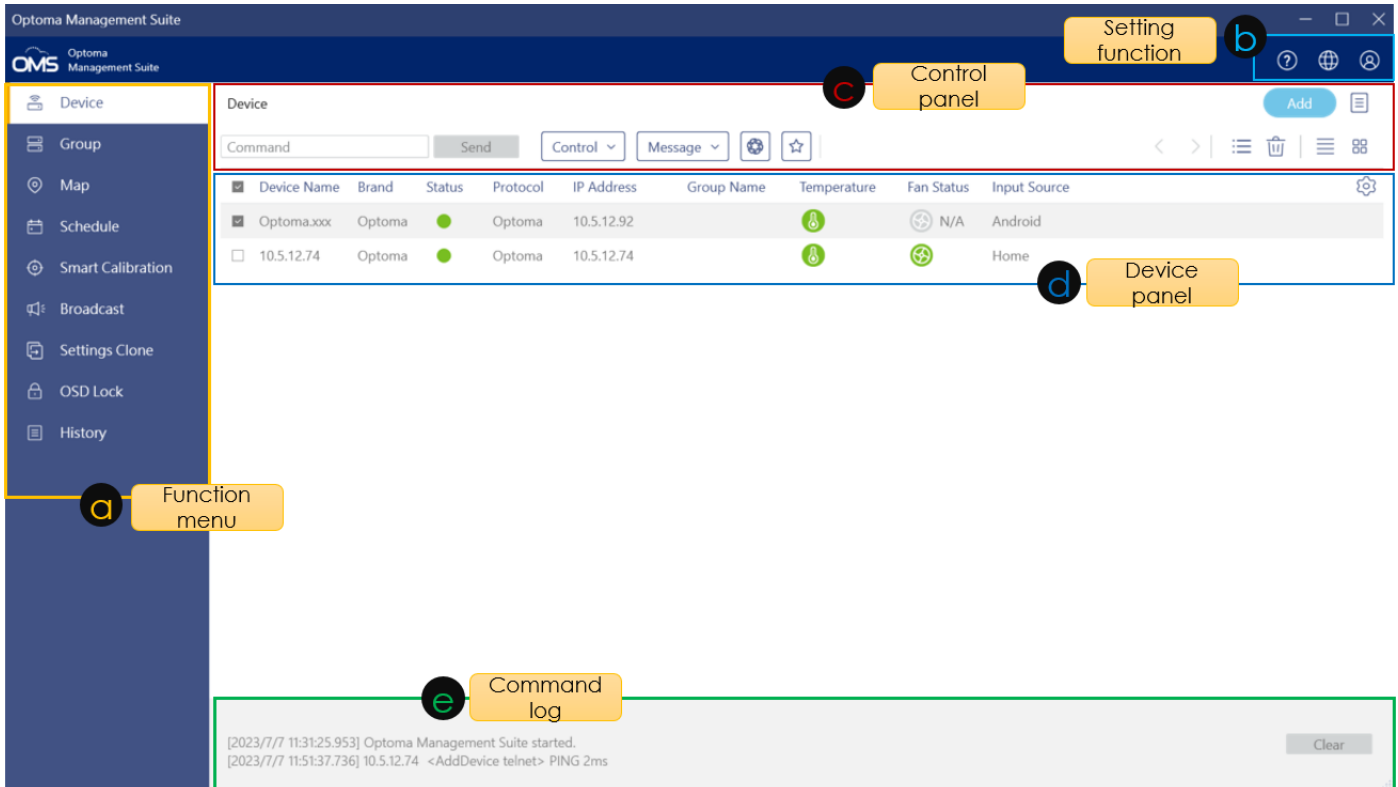
Please reinstall app and create new account.

Login

Chapter2 Main page overview

2.1 OMS main page




This section describes how to set up and use the software for managing your device(s) remotely.



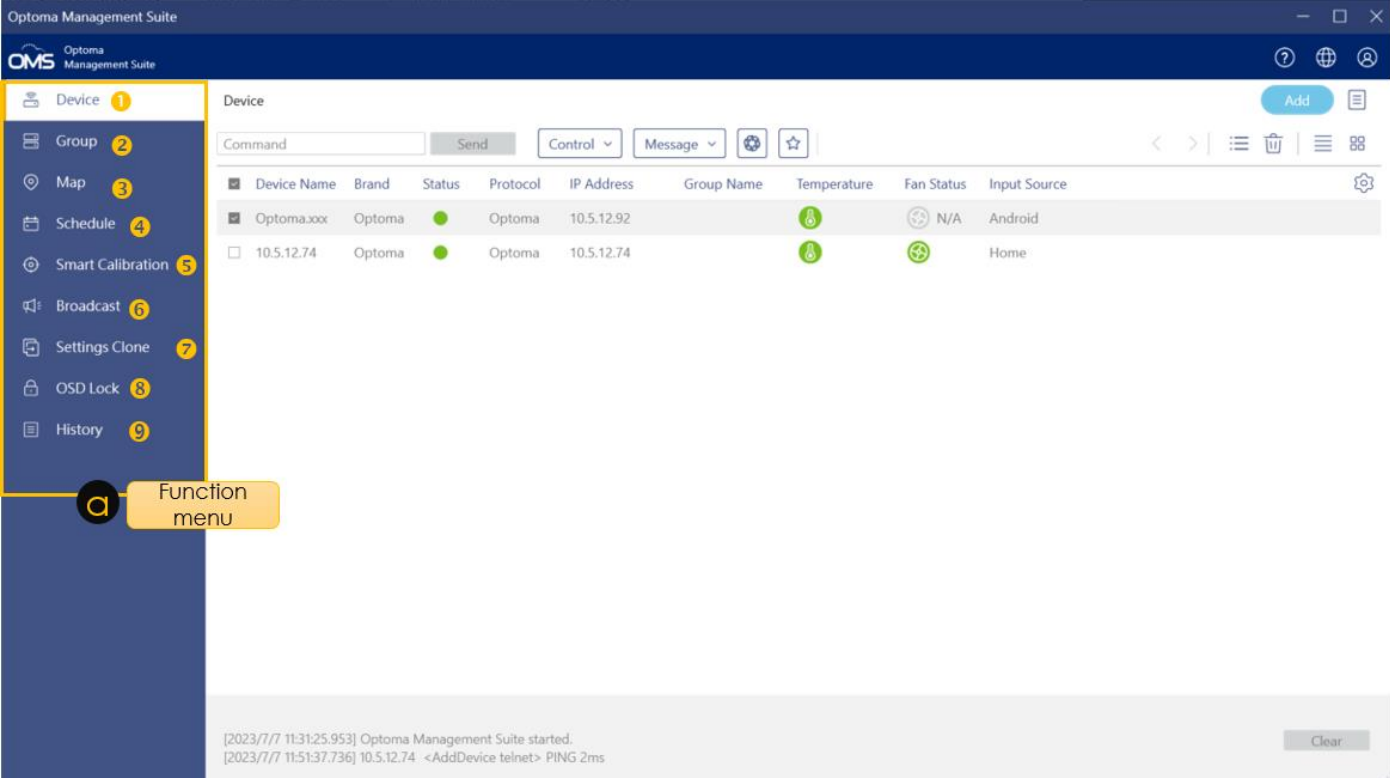
No	Item	Description
a	Function menu	Click and choose the main functions here.
b	Setting function	Icons from left to right respectively are user manual, language change, general/ email setting and logout function.
c	Control panel	All control functions are listed here including command input box, control options, message broadcasting, lens setting and customized control setting functions. For more information about control panel, see Control the device .
d	Device panel	Monitor the status of the devices through the device panel.
e	Command log	Command history and response log

2.1.1 Setting function



Item	Description	
Settings function	❶ 	User Manual Click to view or download the user manual.
	❷ 	Language Change the language of the software.
	❸ 	Settings & log out <ul style="list-style-type: none"> • General setting <ul style="list-style-type: none"> • Change password • Time format • Runtime reminder (projector only) • OMS settings: backup(save) and restore (open) all OMS settings, including devices, device groups, scheduled tasks, and map control configurations. • Connection timeout retry setting • About : OMS version

2.1.2 Function menu



The screenshot shows the Optoma Management Suite interface. On the left is a vertical function menu with items 1 through 9. Item 1, 'Device', is highlighted with a yellow box and a callout bubble labeled 'Function menu'. The main area displays a table of devices with columns for Device Name, Brand, Status, Protocol, IP Address, Group Name, Temperature, Fan Status, and Input Source. The table contains two rows of device data.

Device Name	Brand	Status	Protocol	IP Address	Group Name	Temperature	Fan Status	Input Source
Optoma.xxx	Optoma	●	Optoma	10.5.12.92		66	N/A	Android
10.5.12.74	Optoma	●	Optoma	10.5.12.74		66	66	Home

Description	
❶ Device	Allows you to add new devices, monitor and control all your devices.

	For more information about adding devices , see Adding a devices to OMS .
② Group	Allows you to group devices to monitor and control grouped devices simultaneously. For more information about control panel, see Controlling the Device
③ Map	Map control allows you to easily manage different location devices.
④ Schedule	Click to view device schedule (calendar) and setup schedules.
⑤ Smart Calibration	Maintain perfect projected images remotely with Smart Calibration. <ul style="list-style-type: none"> • Active Focus • Active Color Uniformity Note: Advanced password (IFP/FP) or security lock password (Projector) is required
⑥ Broadcast	Allows you to broadcast multimedia including text, images and YouTube links. Note: Advanced password (IFP/FP) or security lock password (Projector) is required.
⑦ Settings Clone	Export OSD settings from one device and import to one or more devices of the same model and software version. Note: <ol style="list-style-type: none"> 1.The settings clone function only supports Optoma specific devices. 2. Security lock password is required.
⑧ OSD Lock	Use OSD Lock to prevent non-administrators from changing device settings. Note: Advanced password (IFP/FP) or security lock password (Projector) is required.
⑨ History	<ul style="list-style-type: none"> • Command history: • Error list: View command error list • Export log: Export command history log

Chapter3 Add a device

Before adding any device, ensure that you have properly configured the network settings on the device that you want to add.

Note:

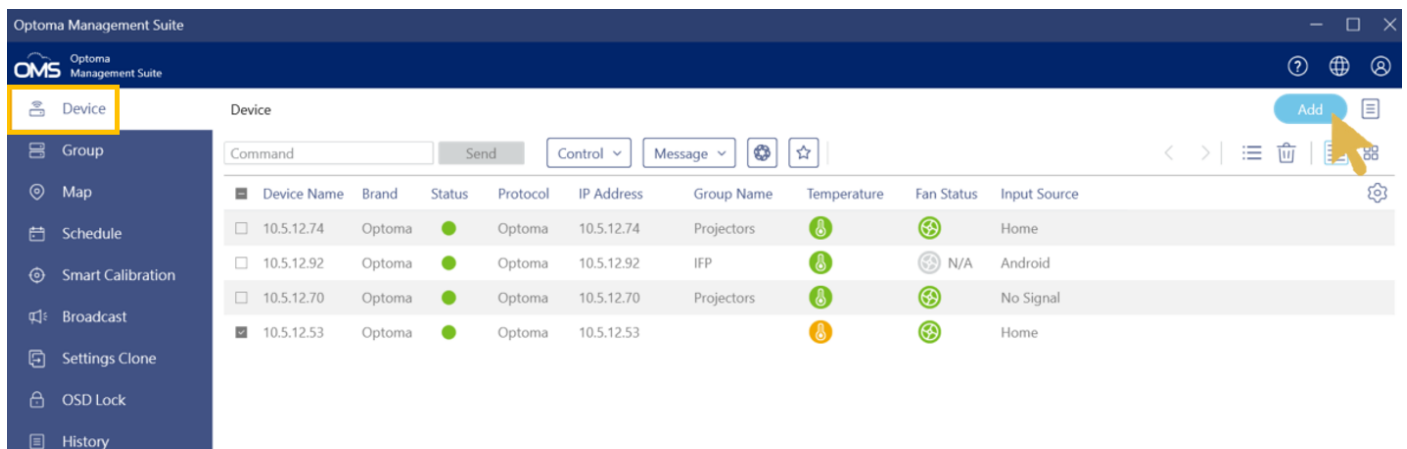
1. For more information about the network configurations, please refer to the device

documentation.

2. For Optoma devices, please

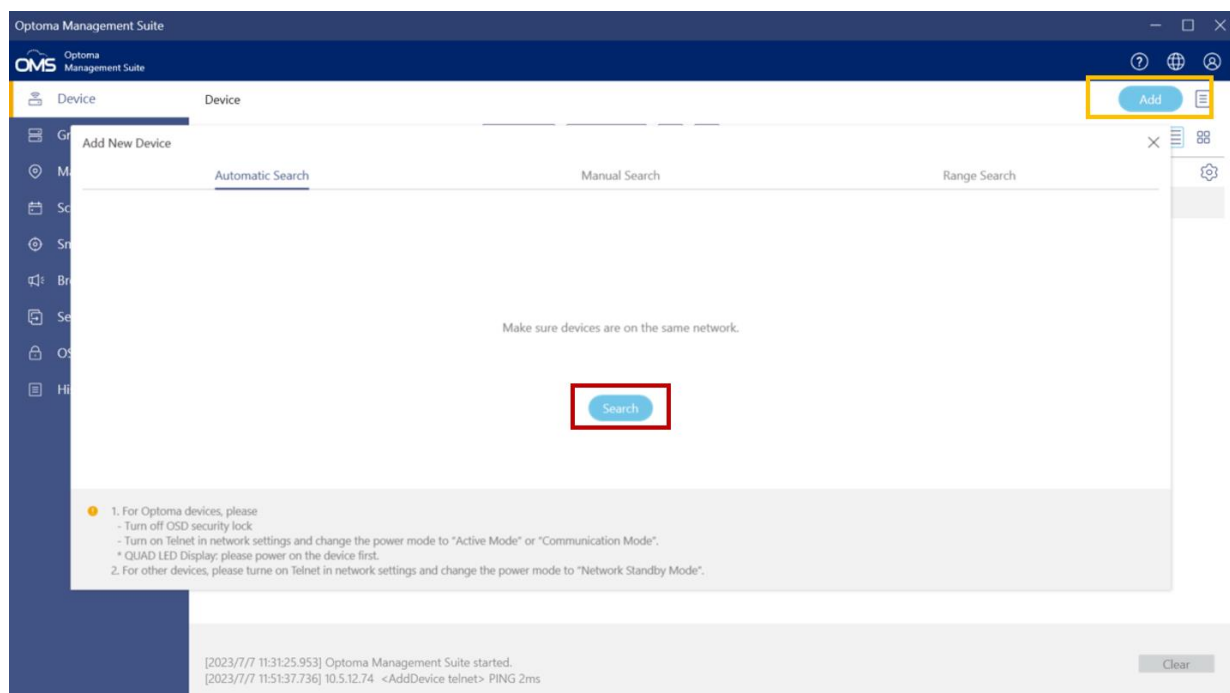
- Remember that you must first setup the projector's password via the website, otherwise the connection will fail (no connection will be made).
 - Turn off the OSD security lock
 - Turn on Telnet OR PLink in network settings and change the power mode to **Active Mode** or **Communication Mode**.
- **AIO LED Display, please power on the device first.**
- For other devices, please turn on Telnet in network settings and change the power mode to "Network Standby Mode".

In the top-left corner, click **Device** and click **Add** in the top-right corner.



In Add New Device pop-up window, choose one of the following options:

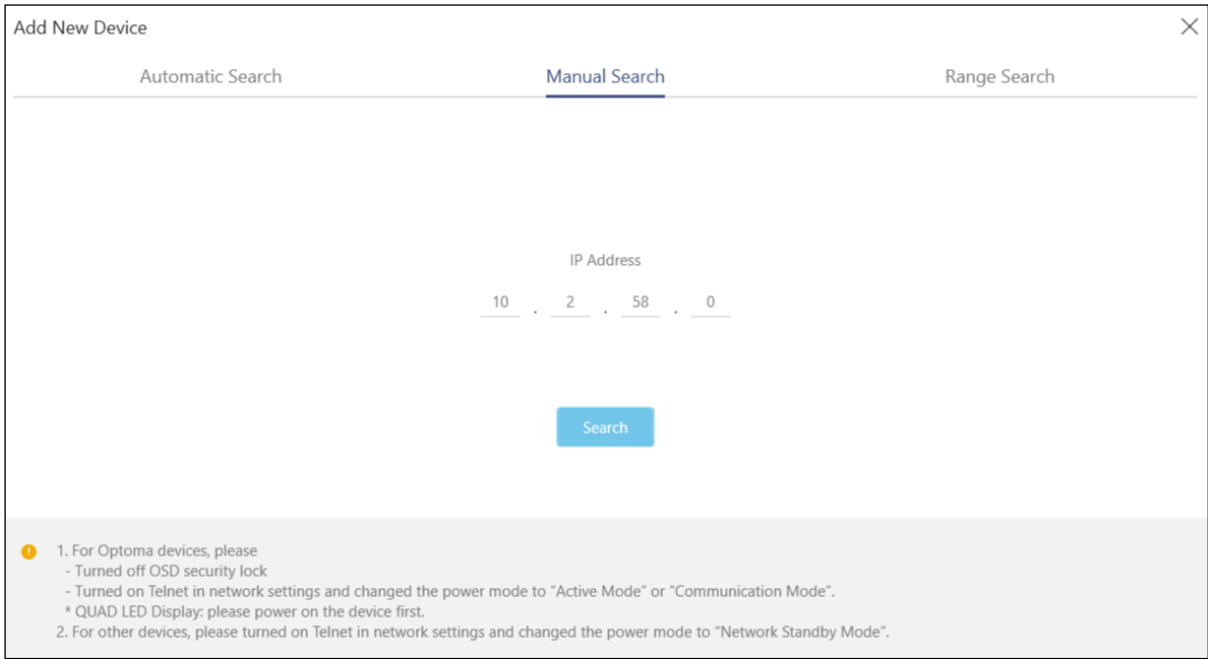
1. **Automatic Search:** Search for devices on the same network. Click Search.



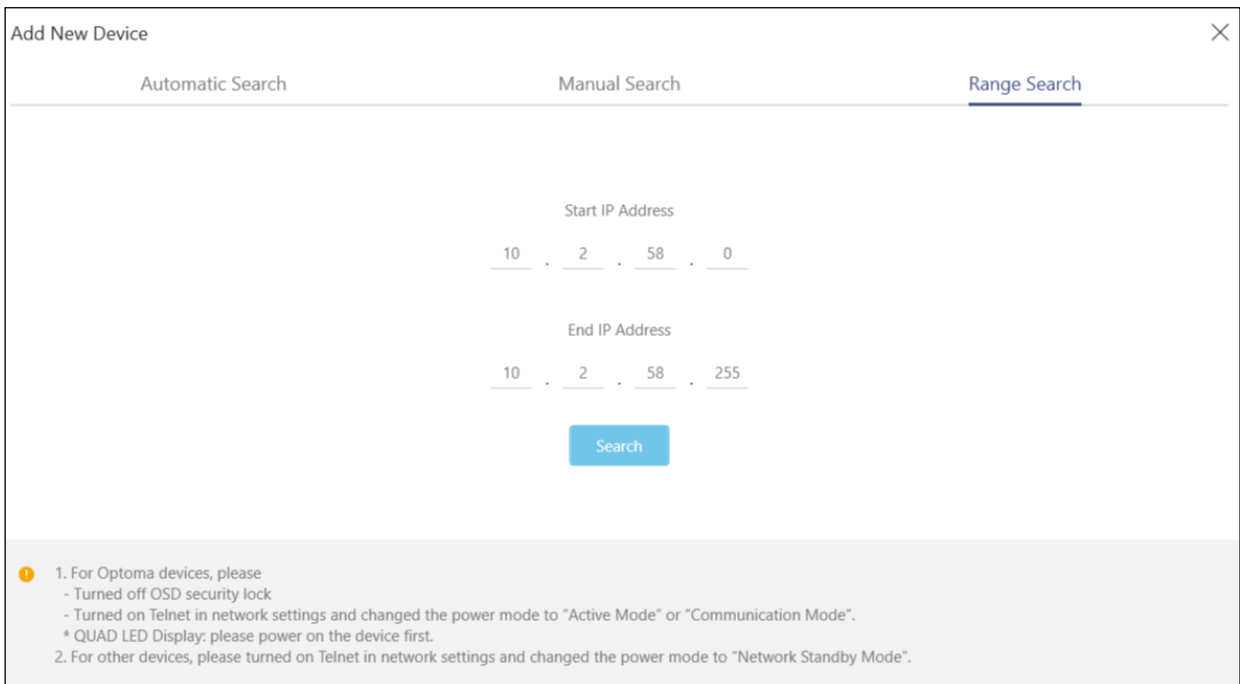
Note:

For Non-Optoma Product, the Automatic Search function only supports PJLink class 2.

2. **Manual Search:** Search for devices by specifying the IP address. Enter an IP address.

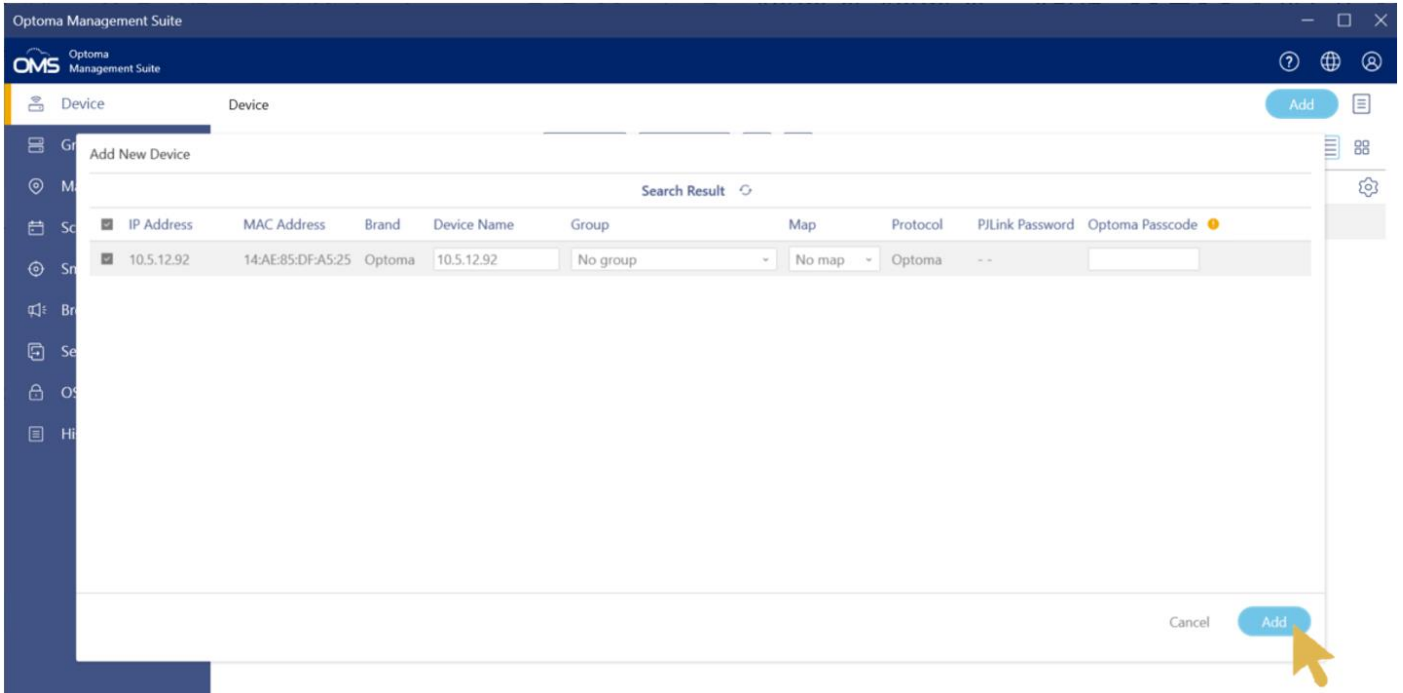


3. **Range Search:** Search for devices by setting an IP address range. Enter an IP address in Start IP address and End IP address, and then click **Search**.



- After your search method finds devices connected on your network, you can check the box next to the device you wish to add to your device list.
- In the Device Name box, you may customize the name of each device as it will appear in your device list.
- You may also choose to select a Group which each device will belong to or enter the Optoma

passcode once you need to use advanced functions such as broadcast, settings clone or smart calibration. Once you finish adding devices, you can click the “**Add**” button.



Note:

If the message below appears on the screen when you add a device, follow the steps below.



✓ Check the network configurations on the device.



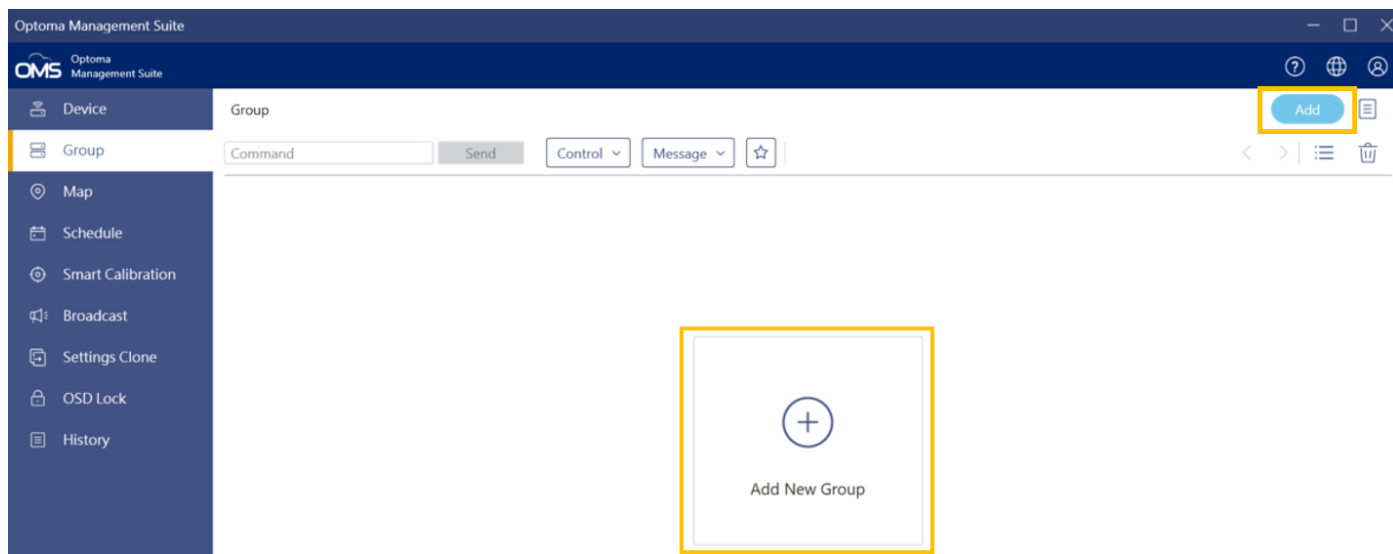
✓ Change the IP address of the device. You cannot add multiple devices with the same IP address.

3.1 Create a group

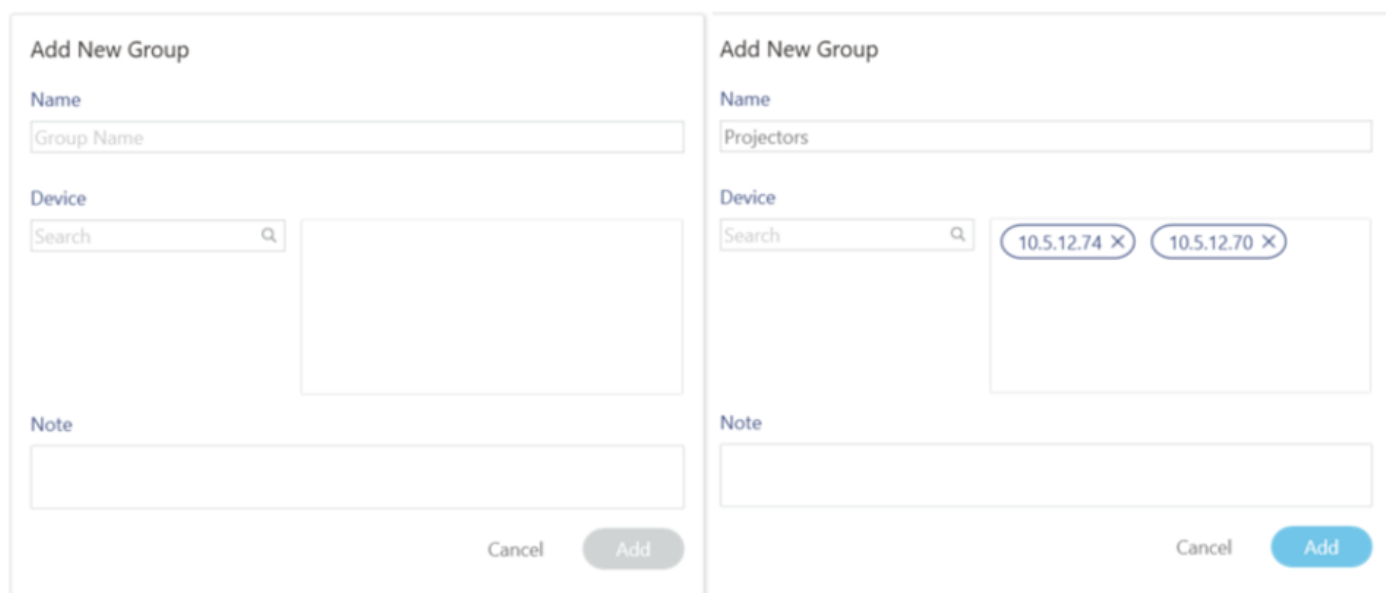
To create a group, do the following.

In the top-left corner, click **Group** which is under the Device, and click **Add** in the top-right corner

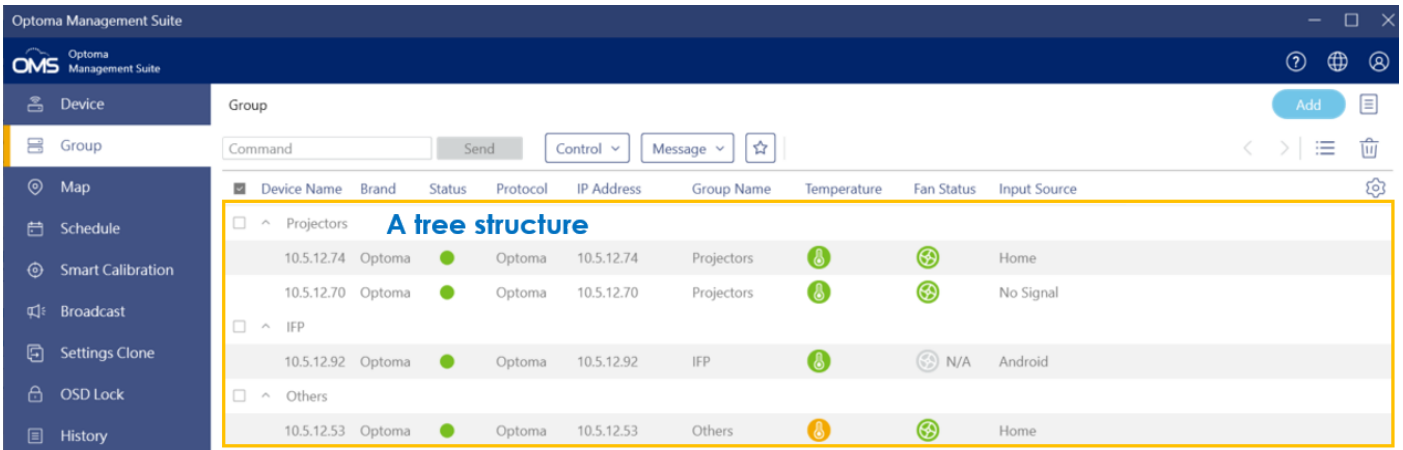
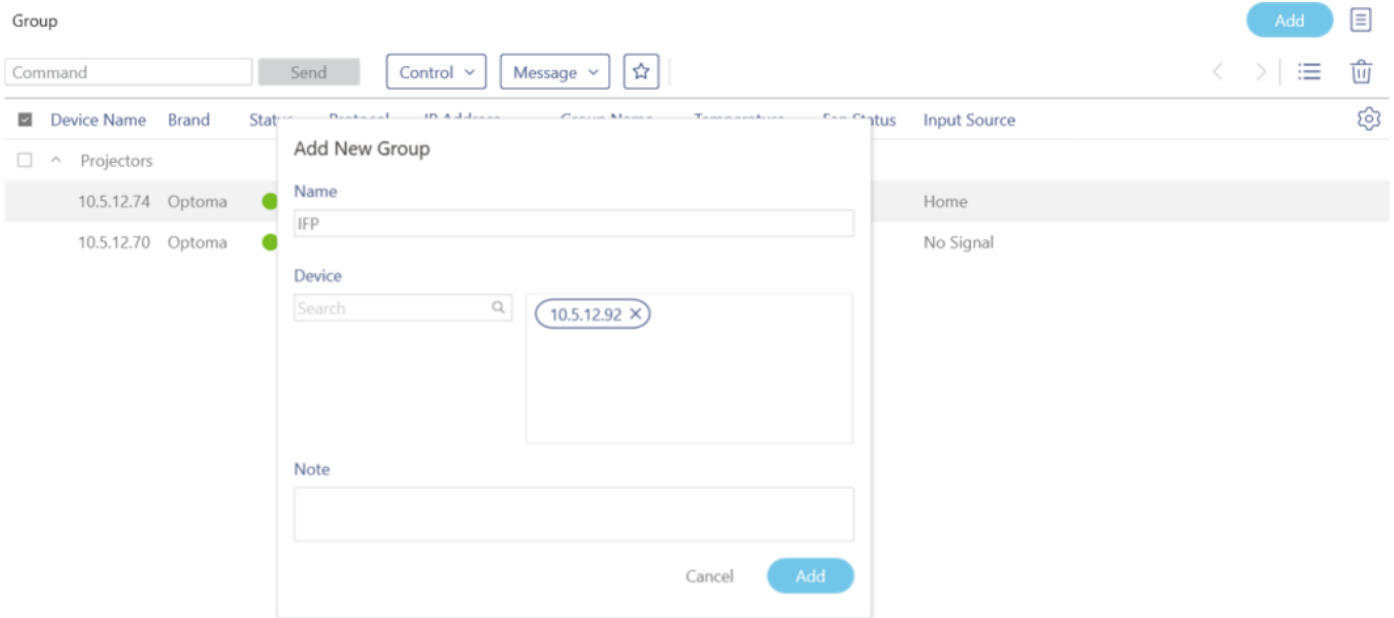
or **Plus** icon (⊕) for **Add New Group** in the middle of the screen.



Enter the group name and search for devices. After adding groups, you can click **Add**.




After a group is created, you can see all devices and device groups managed by OMS showed in a tree structure.

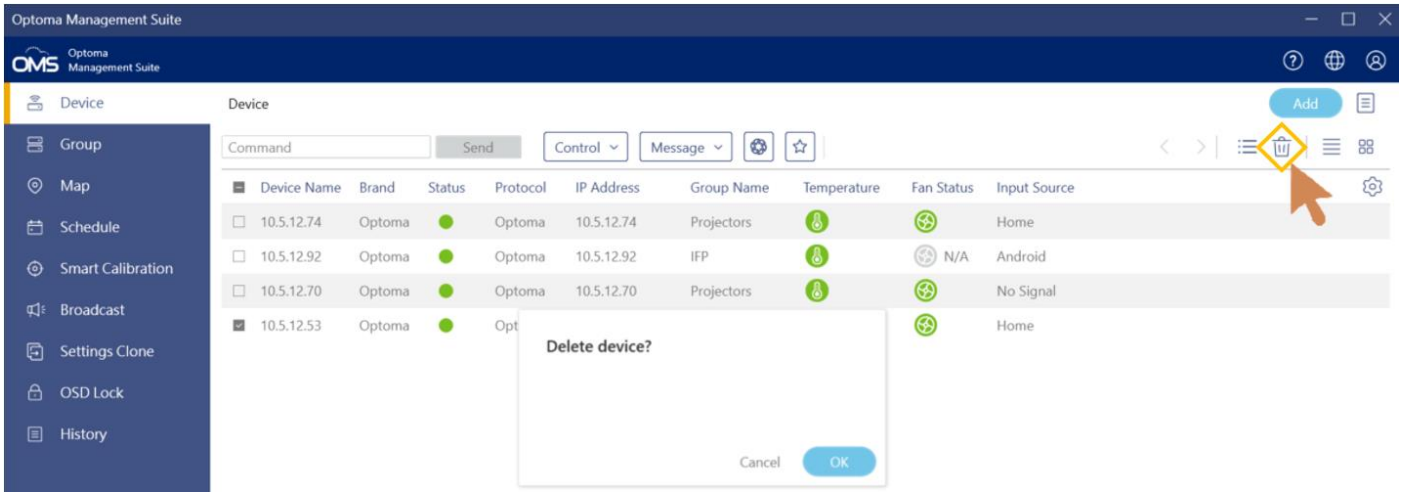


3.2 Delete a device or group

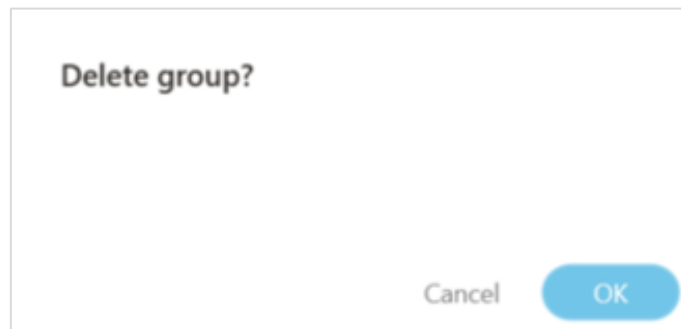
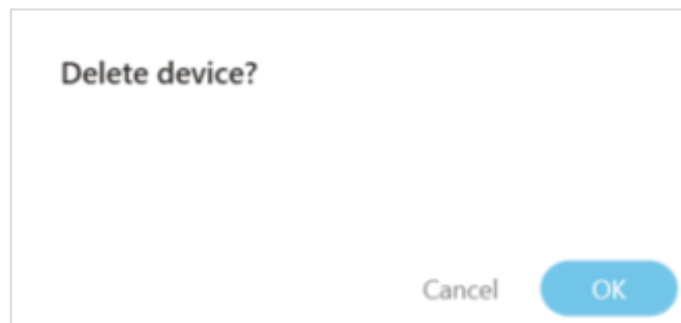
To delete a device from the list, do the following:

When you are on the device page, select the device you want to delete, and then click the **Delete**

icon ().



A confirmation message appears on the screen. Click **OK** to delete the selected device or group.



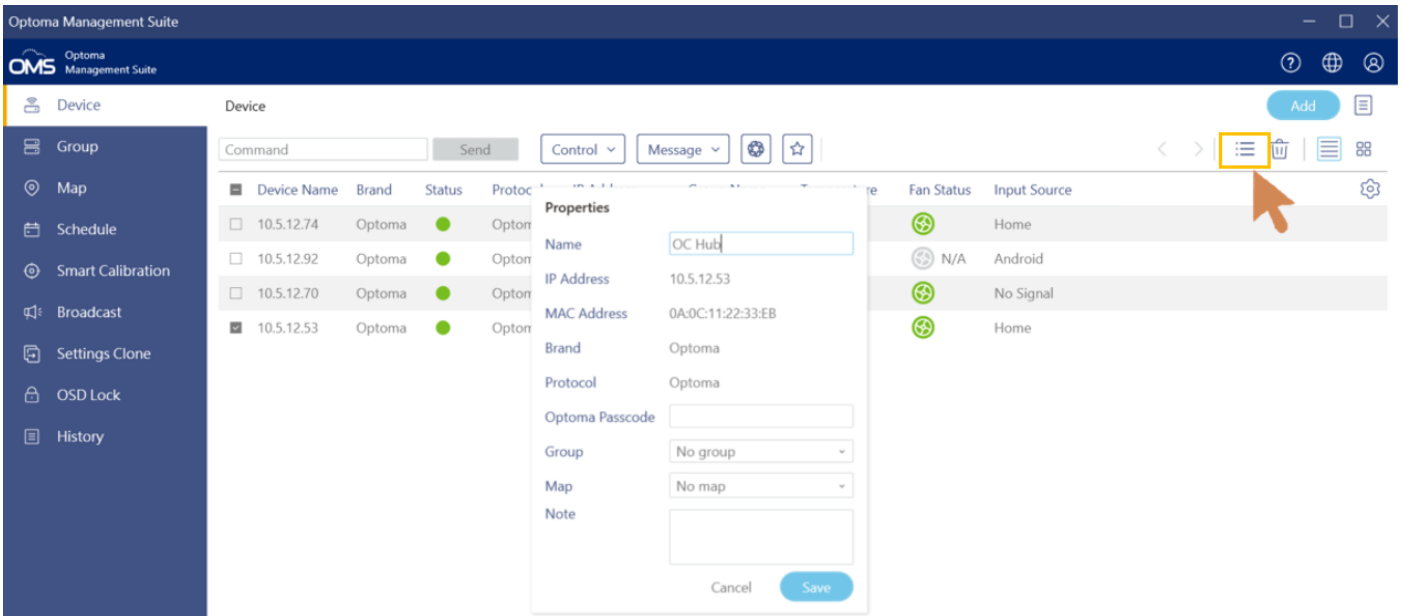
3.3 Change the device properties

To modify device information, do the following:

Select the device whose information you would like to change, and then click the **Properties** icon

().





Information modification includes: Device name, Optoma Passcode, Group name, Map and Note.



Chapter4 Device Monitor

4.1 Device panel

There are two options for the device monitoring panel:

No	Item	Description
1.	 	List View Click to switch device list view
2.	 	Grid View Click to switch device grid view <i>Note:</i> The filter will be disabled in the grid view.

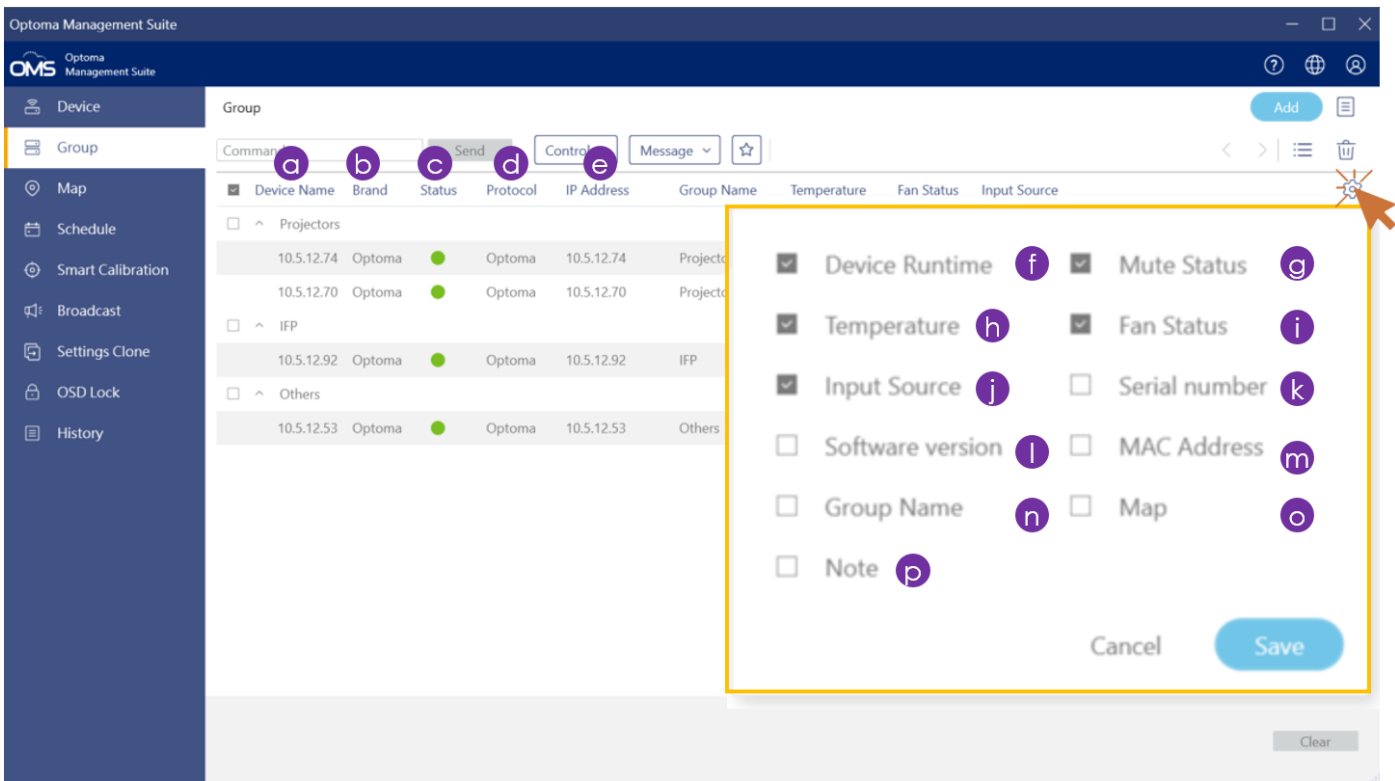
Once you have added the devices into the OMS, the devices will appear in the list view page.

4.1.1 List view


In the list view, you can monitor device information, including:

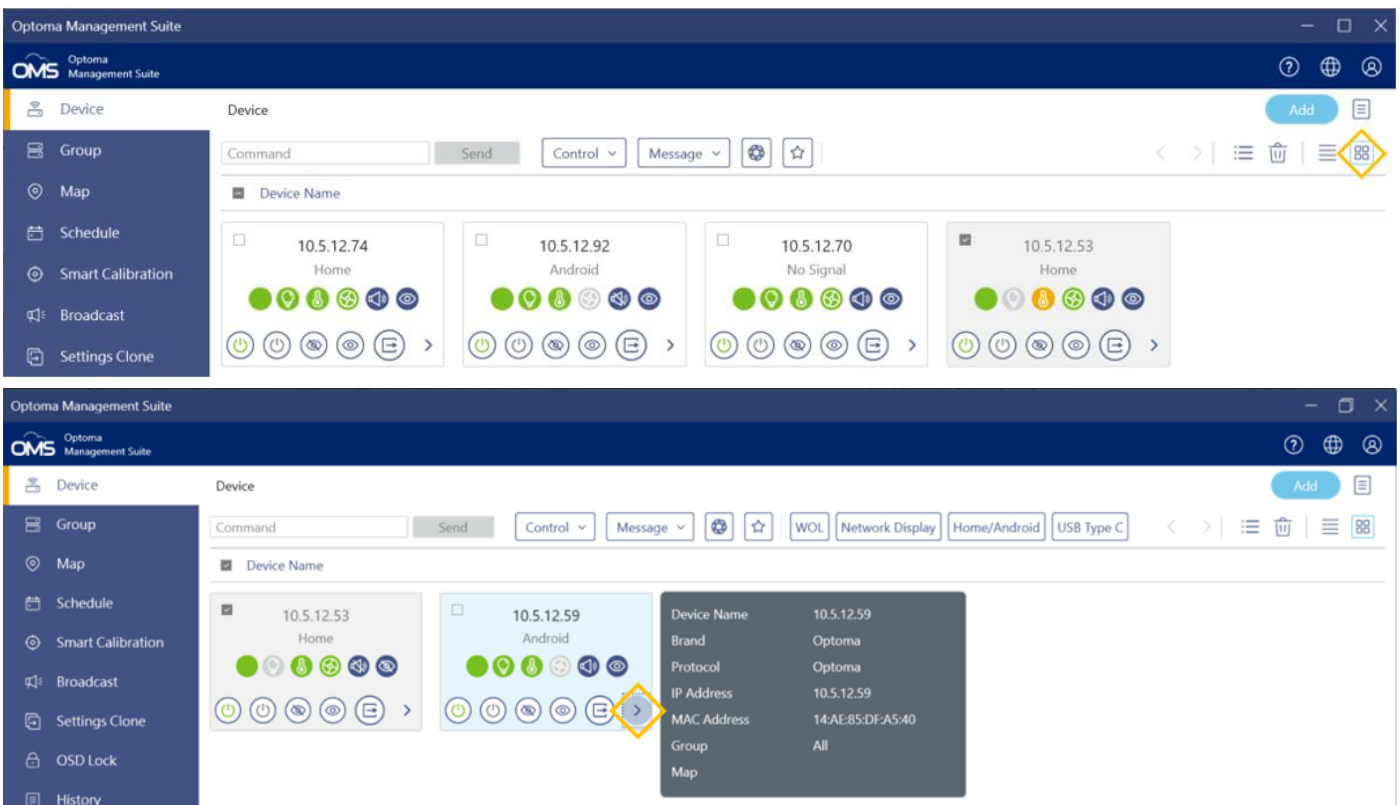
- (a) Device Name* (b) Brand* (c) Status* (d) Protocol* (e) IP address*,
 (f) Device runtime (g) Mute status (h) Temperature (i) Fan status (j) Input source (k) Serial number
 (l) Software version (m) Mac address (n) Group name (o) Map (p) Note

Note: (a), (b), (c), (d), (e) are the default values and cannot be cancelled.



4.1.2 Grid view

Click Grid icon() to monitor devices in a Grid view and also right-click the device you want to check for more information just as device name, brand and so on.



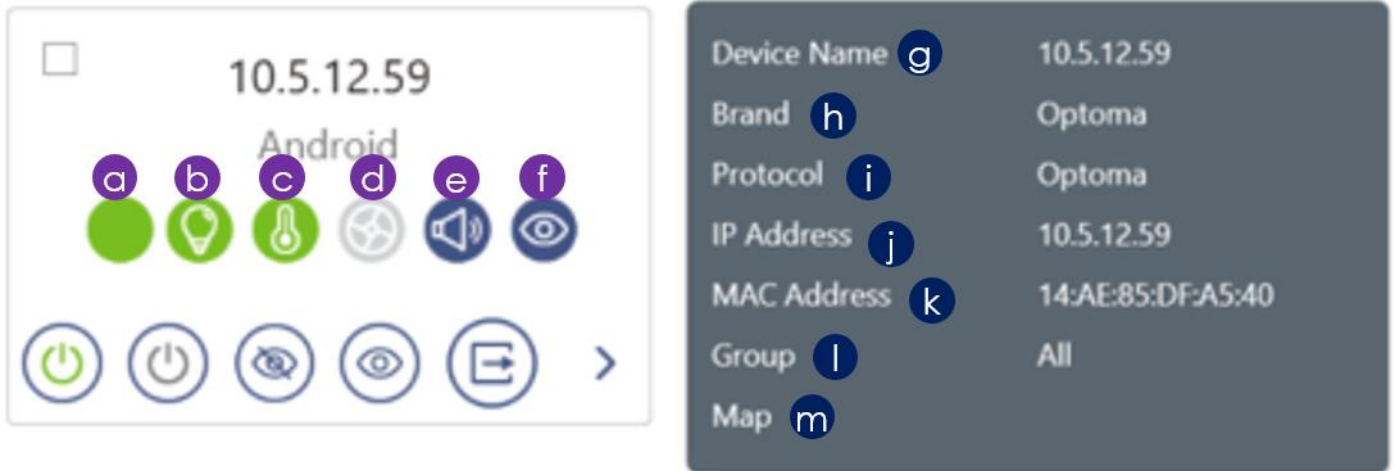
In the grid view, you can monitor device information, including:

- (a)Status (b)Device runtime (c)Temperature (d)Fan Status (e)Audio (f)Video

You can click the left mouse button to view more device information as outlined below:
















- (g)Device name (h)Brand (i)Protocol (j)IP address (k)Mac Address (l)Group (m)Map

The filter will be disabled in the grid view.



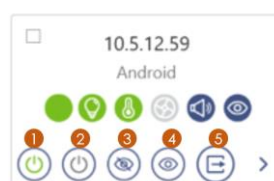
When the device is turned on and connected correctly, the status indicator will show on the panel as follows:

Item	Icon	Description
Status		Device power on and connected
		Device power off and connected
		Device disconnected
		Device security lock, password required
		1. Active Focus failed 2. Not Support
		Active Focus calibrating
		Active Focus success
		1. Active Color Uniformity failed 2. Not Support
		Active Color Uniformity calibrating
		Active Color Uniformity success

		Camera Auto-Tune failed
		Camera Auto-Tune calibrating
		Camera Auto-Tune success
Device Runtime	N/A	Cumulative light source hours
		Light source health status: Normal
		Light source health status: Error **Maintenance service required
Temperature		Normal
		Error *The device is about to shut down
		Warning **Only applicable to IFP and specific ProAV projectors
Fan Status		Normal
		Error *The device is about to shut down
		Warning **Only applicable to IFP and specific ProAV projectors
Audio		Audio is on
		Audio is off
Video		Video is on
		Video is off

You can also send **immediate command** through the icons (1)~(5) under the device information icons (a)~(f) as outlined below:

(1)Power on (2)Power off (3)AV mute on (4) AV mute off



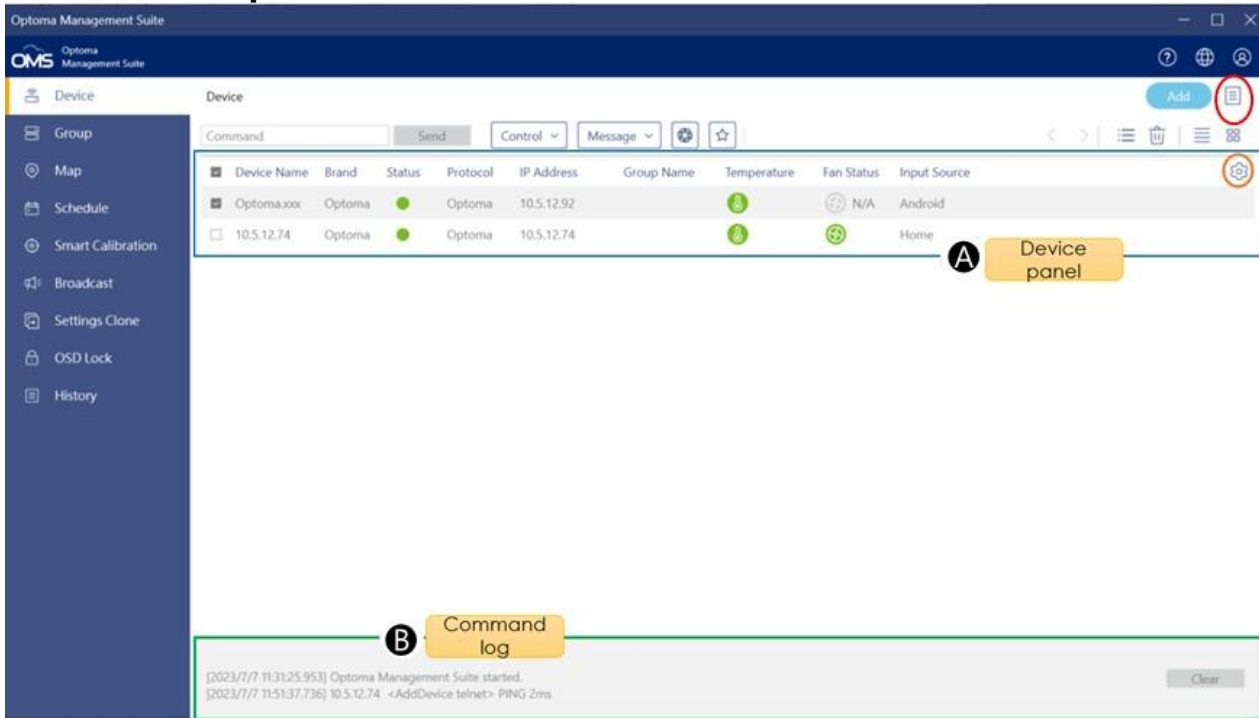
(5) Input Source change





Note: Some input sources may not be supported on all devices

Chapter5 Device Control

5.1 Control panel



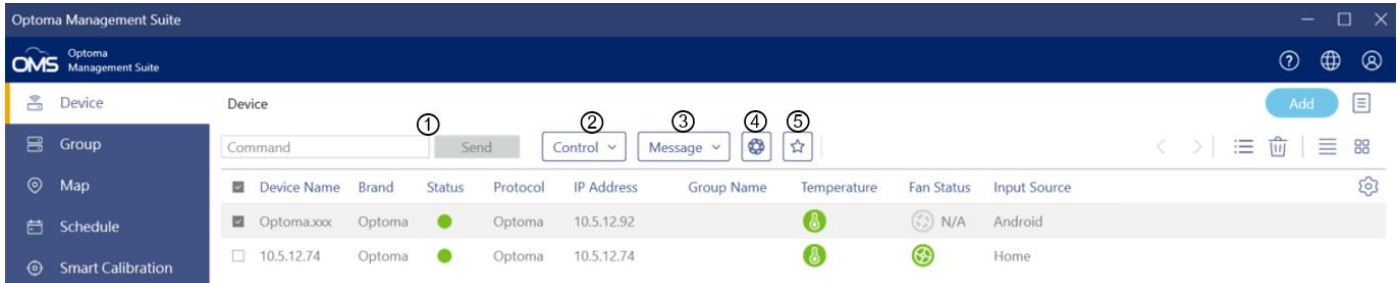
No	Item	Description	
A	Device panel	Monitor the status of the devices through the device panel.	
			Filter Click the filter to select the items of the device view.
B	Command log	Command history and response log	
			History Click the history icon to view command results

5.2 Control the device




From the upper left corner of the main page, you can select general control or map control panel to control the device.

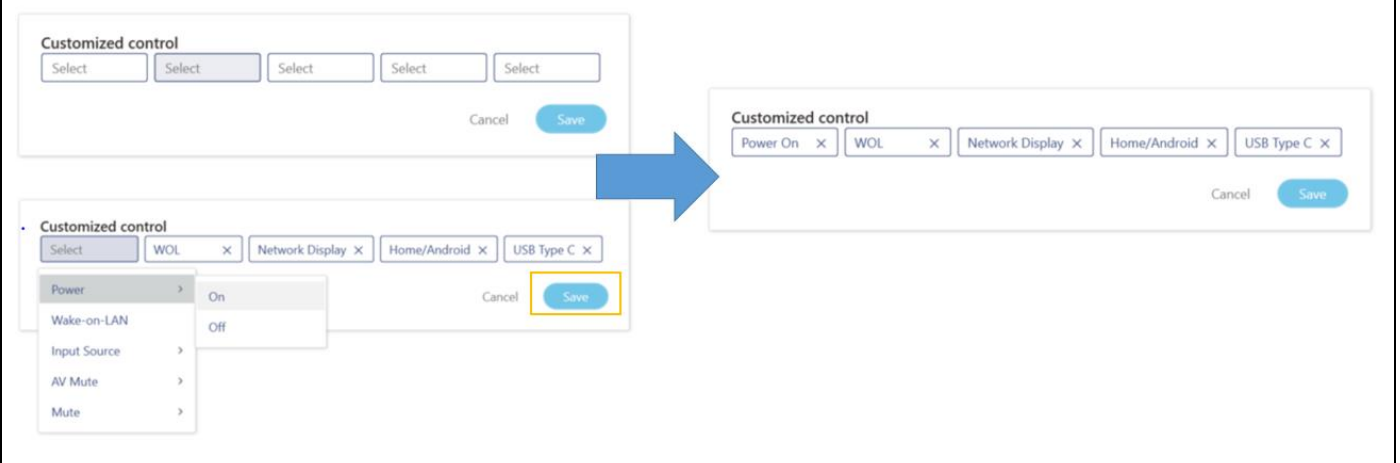
5.2.1 General control

Just select the device and click the desired function option, the details are as follows.

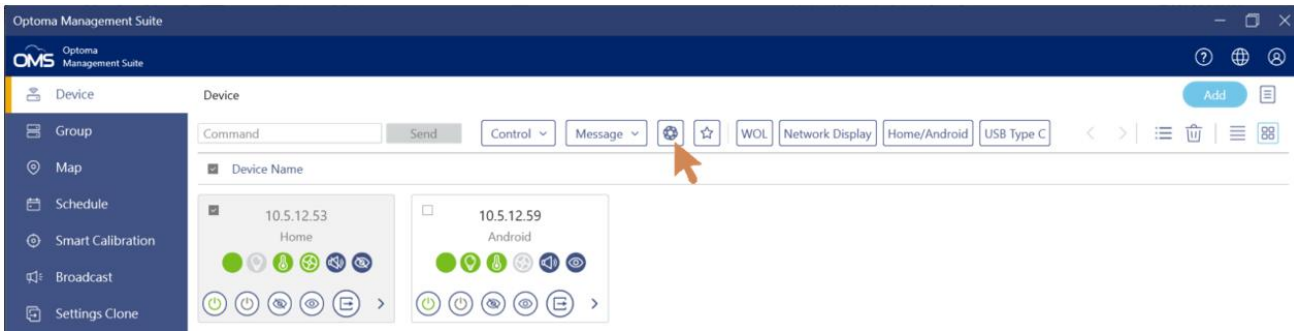


No.	Item	Description
①	<input type="text" value="Command"/> <input type="button" value="Send"/>	<p>Command:</p> <p>Control the device by using the RS232 command or PJLink Command. Enter the command and click Send.</p> <p><i>Note:</i></p> <p>For more information, please refer to Optoma RS232 command control documentation or PJLink.</p> <p>**PJlink can only be used if the device supports it</p>
②	<input type="button" value="Control"/>	<ul style="list-style-type: none"> Power on: Click to power on the device. Power off: Click to power off the device. <p>Wake on LAN</p> <p>Click to enable Wake on LAN</p> <p>Power on the device remotely or wake it from Standby mode.</p> <p><i>Note:</i></p> <ol style="list-style-type: none"> WOL compatibility depends on device conditions. To use Wake-On-LAN, please <ul style="list-style-type: none"> Turned on the device and connect to the network via LAN (RJ45). To Wake-On-LAN, please make sure your devices and computer are connected to the same local area network via LAN port. <p>Input Source</p> <p>Click to switch the input source.</p> <p><i>Note:</i></p>

		<p>1. Some input sources may not support all devices, please check your device related specifications.</p> <p>2. This command is not supported by PJLink</p>
		<ul style="list-style-type: none"> • AV Mute Off: Click to disable the AV mute function. • AV Mute On: Click to enable the AV mute function. When enabled, the system blanks the image and mutes the audio.
③		<p>Broadcast Message</p> <p>Send: Click to send the message function (Up to 30 English characters)</p> <p>Clear: Click “Stop” to clear the sent message</p> <p><i>Note:</i></p> <ul style="list-style-type: none"> • The function only supports Optoma specific Products. • Broadcast does not support PJLink protocol. • Stop command is the same as OSD menu <p>If there is no message on the screen, the OSD menu will pop up on the screen when users click Stop..</p>
④		<p>Lens Settings</p> <p>Configure the lens settings to adjust the image quality and position. Please check details here.</p>
⑤		<p>Customized control</p> <p>Click to add specific control icons for immediate command.</p>



5.3 Lens settings





Configure the lens settings to adjust the image quality and position



1. Device status





- The device list will show status including supported, not supported, power status, connection status...
- Please select the device/s first to use the lens setting function.

2. Control settings

- **Fine-Tuning mode:** Small movement adjustments. If fine-tuning is required, please tick it.

- **Focus :** Use the  and  buttons to adjust the focus of the projected image.

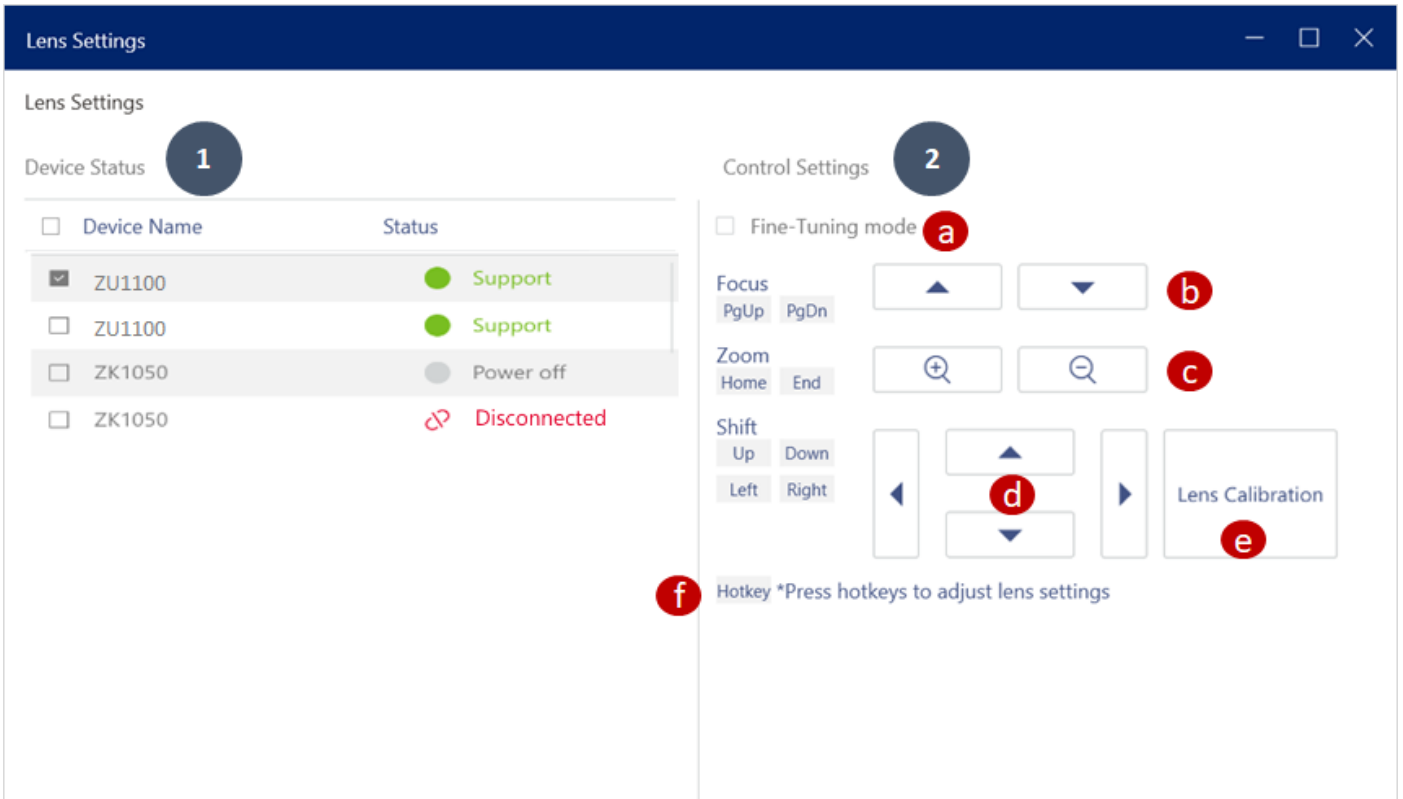
- **Zoom :** Use the  and  buttons to adjust the size of the projected image.

- **Lens Shift :** Use the     buttons to adjust the lens position to shift the projected area.
- **Lens Calibration:** Calibrate the lens position to return it to the center. To prevent damage to the projector and the lens, always perform lens calibration before replacing the lens.

Note: Lens Calibration **Not compatible with UST lenses**

- **Hotkey:** Easily adjust lens settings by pressing a PC hotkey.

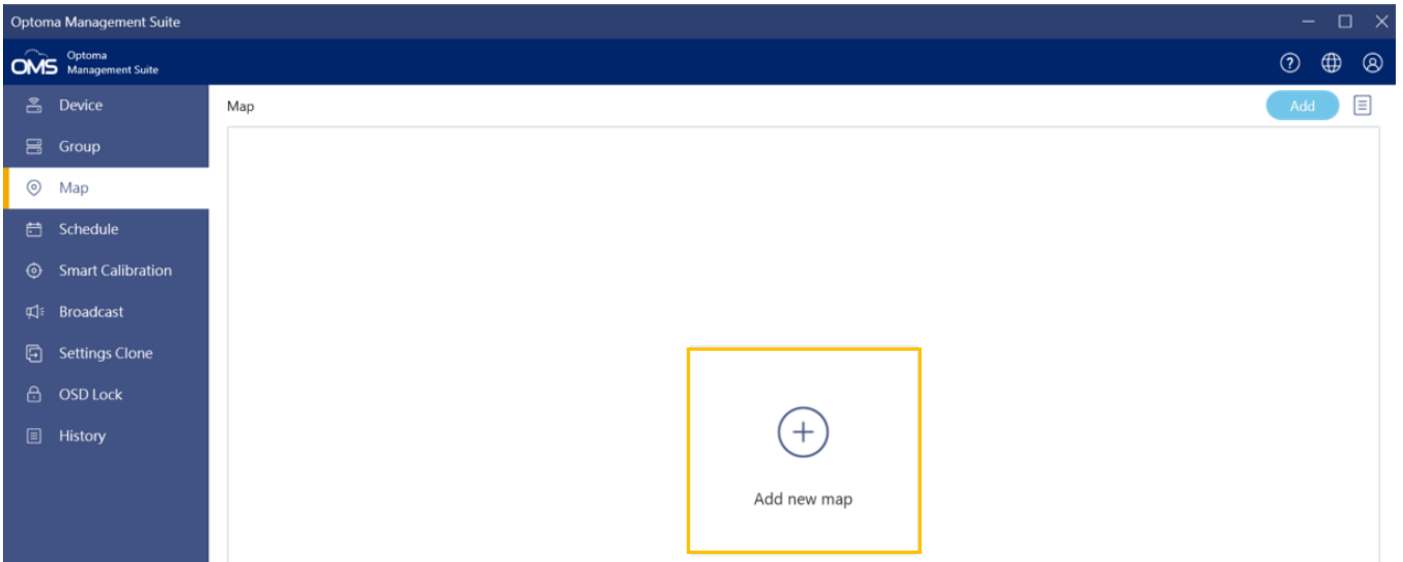




Chapter6 Map Control

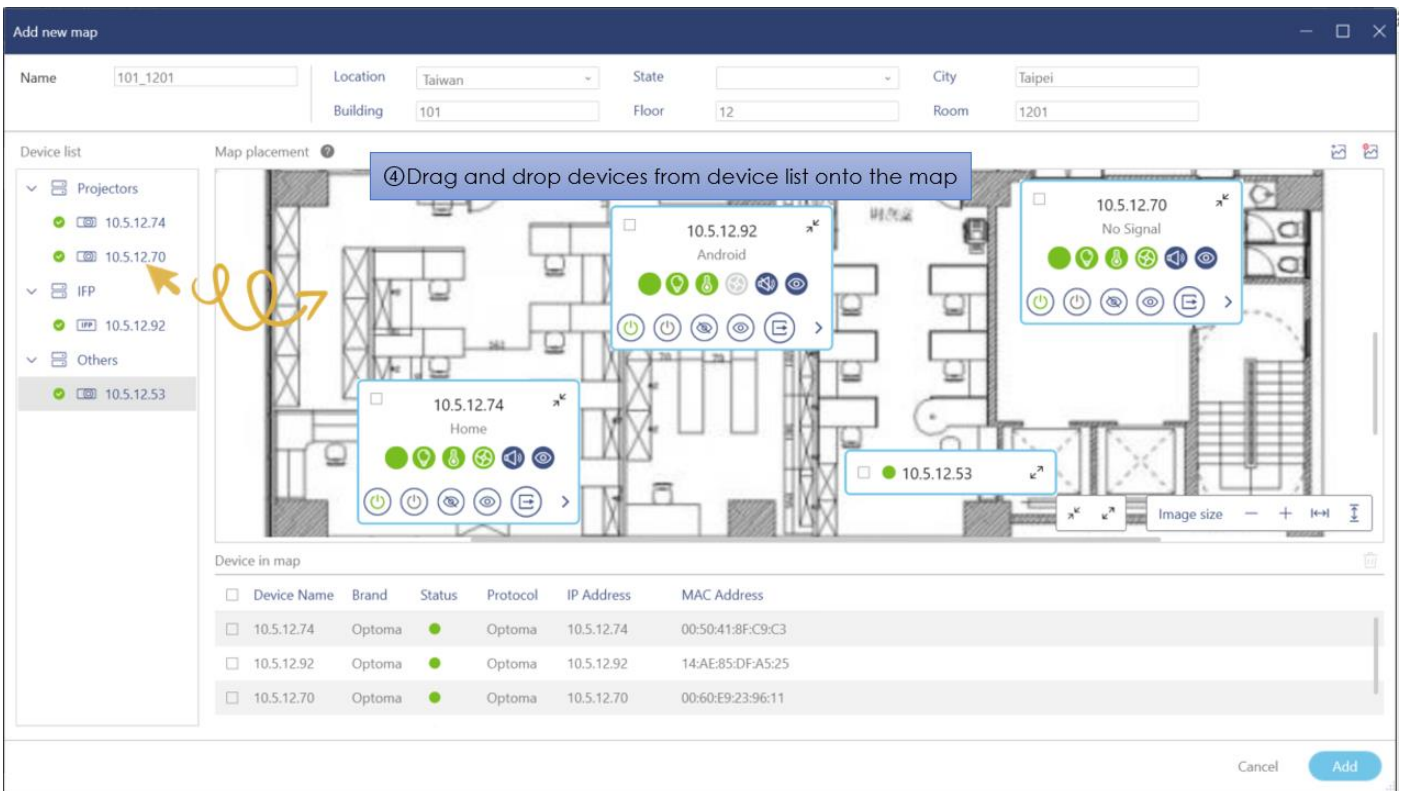
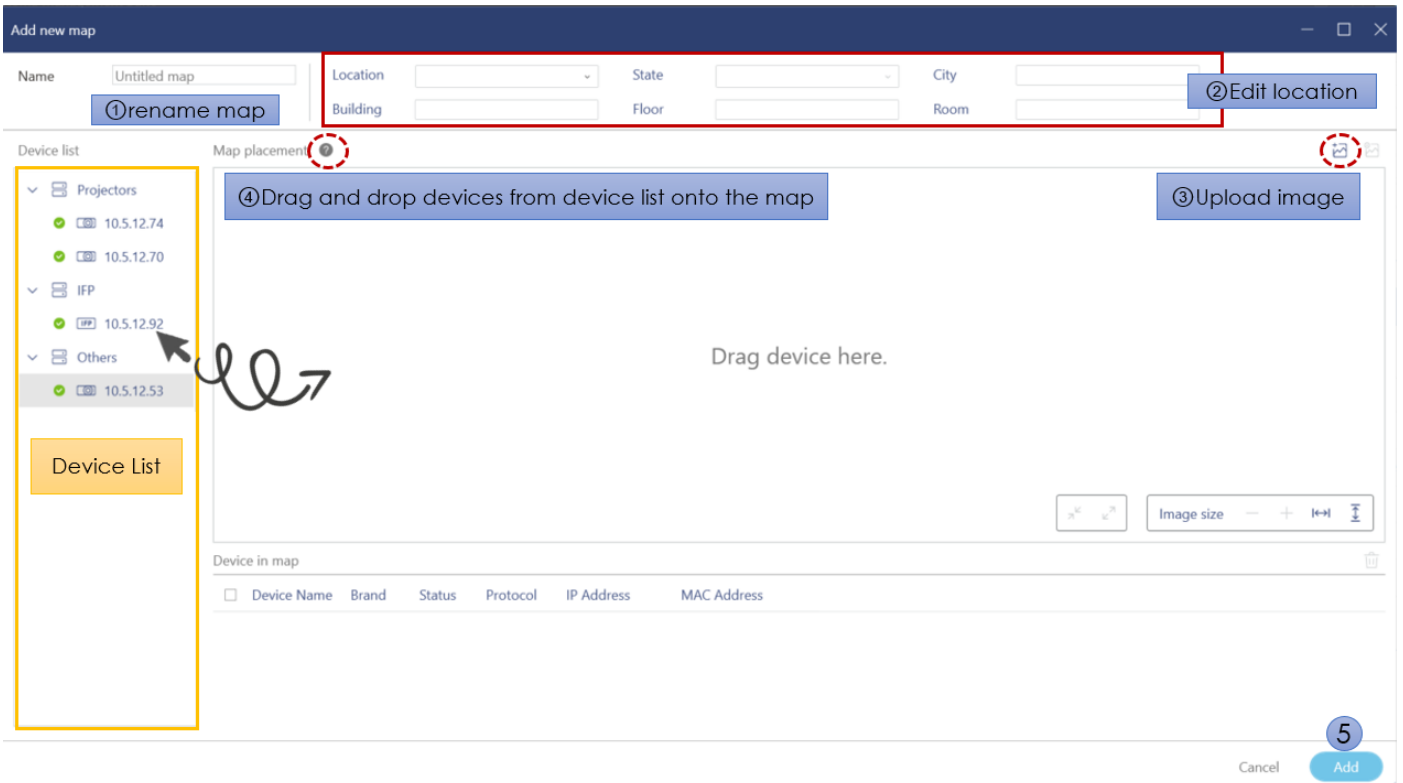
Map control allows you to easily manage different location devices

First uses map control, you can directly add a map in the first setup.

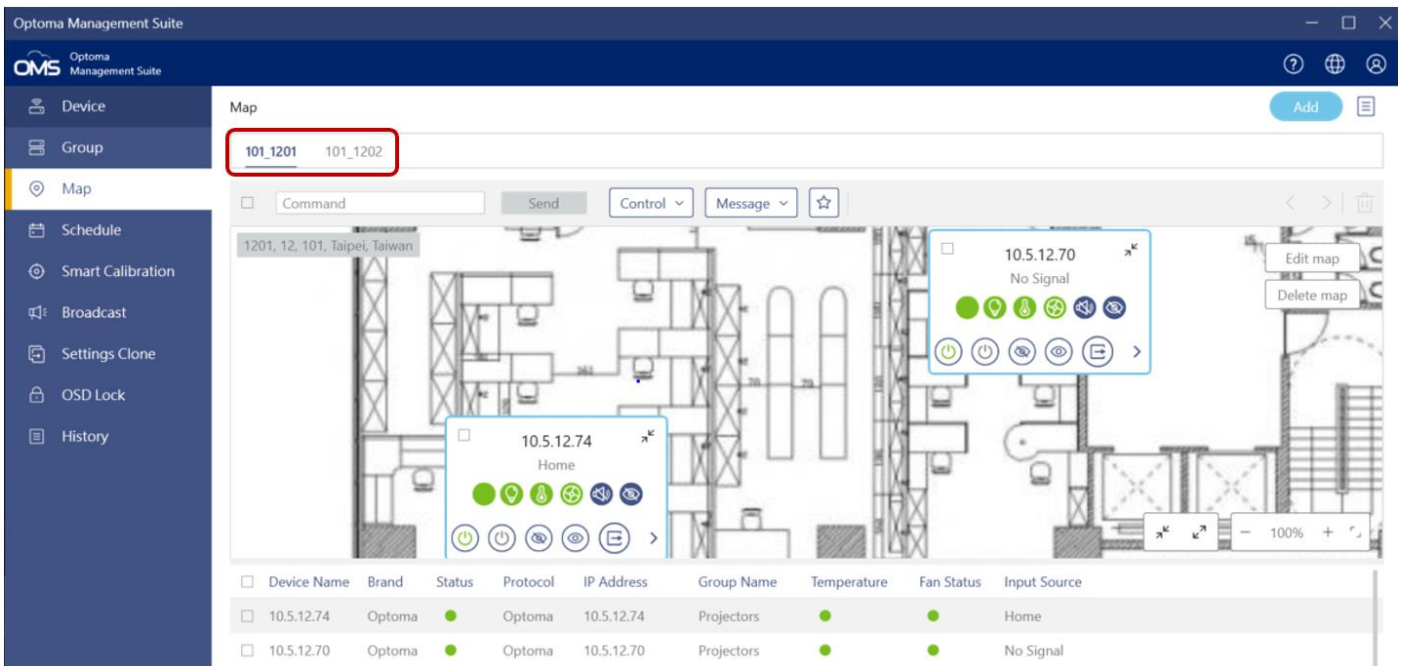


6.1 Add new map

Follow the steps 1~5 below to create a map.



You can create more than one map and drag and drop the devices to the designated locations.



Note:

- Each device can only be allocated in one map
- Image format: BMP, JPG, JPEG, PNG
- Image maximum size/resolution: 4,096 x 4,096

After adding the map, you can see the devices monitoring panel as shown below.

You can also click “” to delete the image.

Add new map

Name: 101_1201 Location: Taiwan State: City: Taipei
 Building: 101 Floor: 12 Room: 1201

Device list: Projectors (10.5.12.74, 10.5.12.70), IFP (10.5.12.92), Others (10.5.12.53)

Map placement: Drag and drop devices from device list onto the map.

Device Name	Brand	Status	Protocol	IP Address	MAC Address
10.5.12.74	Optoma	●	Optoma	10.5.12.74	00:50:41:8F:C9:C3
10.5.12.92	Optoma	●	Optoma	10.5.12.92	14:AE:85:DF:A5:25

Device monitoring panel

Cancel Add

6.2 Map control panel

Optoma Management Suite

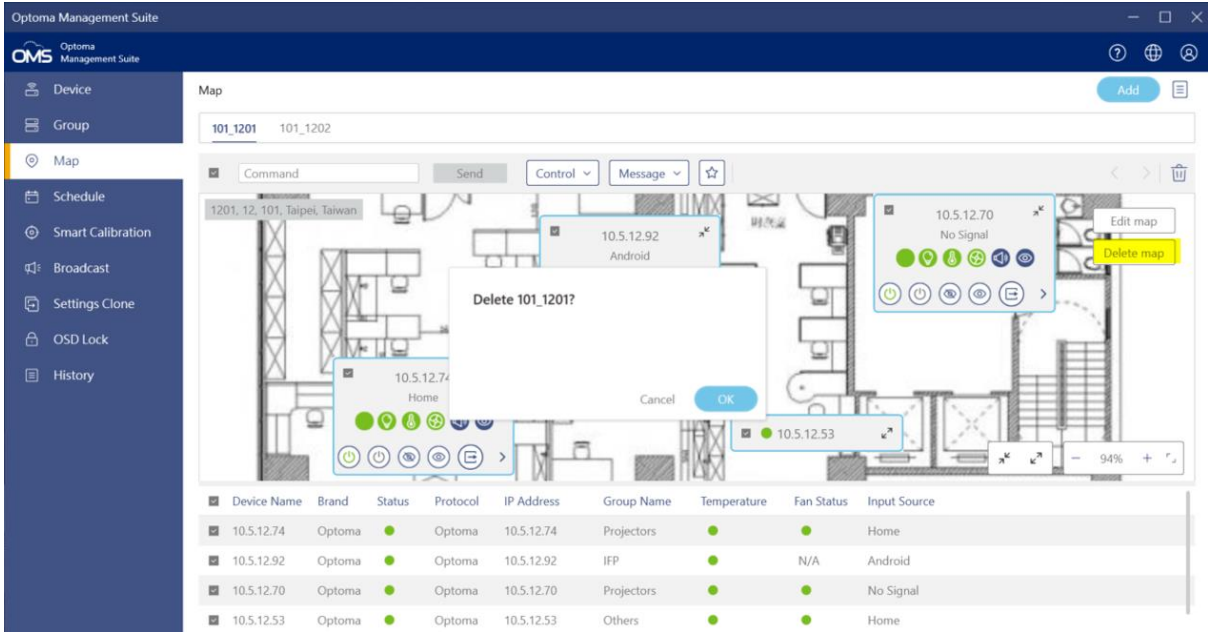
Map: 101_1201 101_1202

Map controls: Command, Send, Control, Message, Edit map, Delete map

Device Name	Brand	Status	Protocol	IP Address	Group Name	Temperature	Fan Status	Input Source
10.5.12.74	Optoma	●	Optoma	10.5.12.74	Projectors	●	●	Home
10.5.12.92	Optoma	●	Optoma	10.5.12.92	IFP	●	N/A	Android
10.5.12.70	Optoma	●	Optoma	10.5.12.70	Projectors	●	●	No Signal
10.5.12.53	Optoma	●	Optoma	10.5.12.53	Others	●	●	Home

Item	Icon/ Function	Description
①	Add	Click to add new map
②	< >	When the field is out of range, you can click to go to the next map

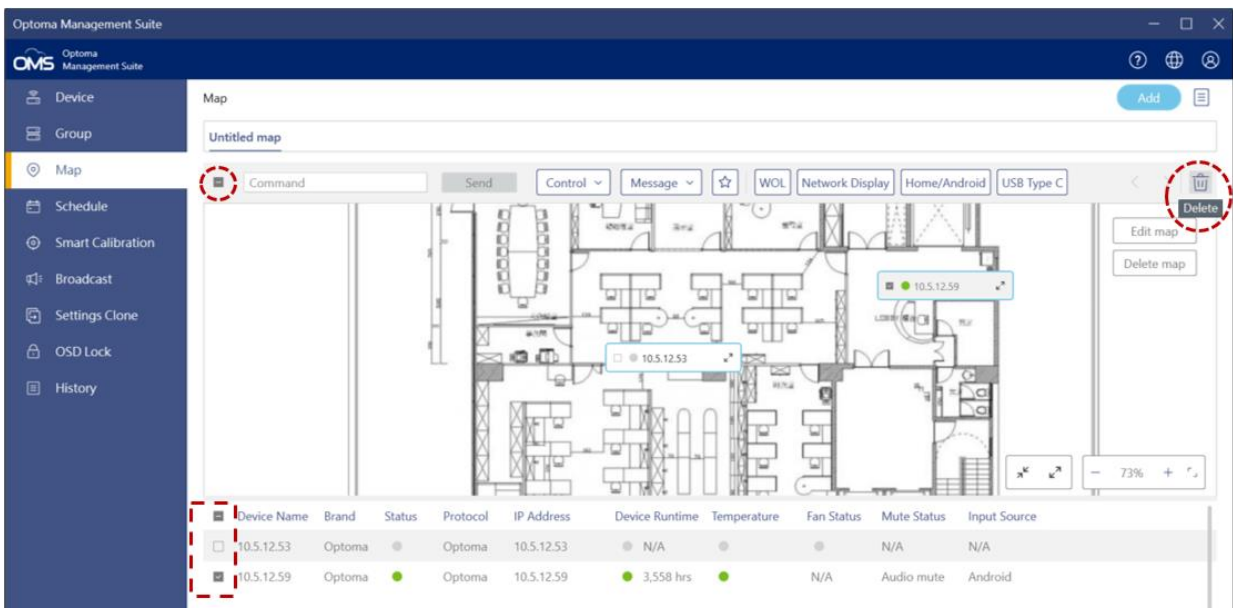
		(location).
③	<div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px; width: fit-content;">Edit map</div> <div style="border: 1px solid gray; padding: 5px; width: fit-content;">Delete map</div>	Click to edit the map or delete the map



④	<div style="border: 1px solid gray; padding: 5px; width: fit-content; text-align: center;"> - 100% + ↻ </div>	Click to resize image - Zoom out ; + Zoom in ; ↻ Original
---	---	--

⑤	<div style="border: 1px solid gray; padding: 5px; width: fit-content; text-align: center;"> </div>	Click to maximize or minimize the device block.
---	--	---

⑥	Control panel	Just select the device and click the desired function option. Click delete icon () to delete devices on the map.
---	---------------	---



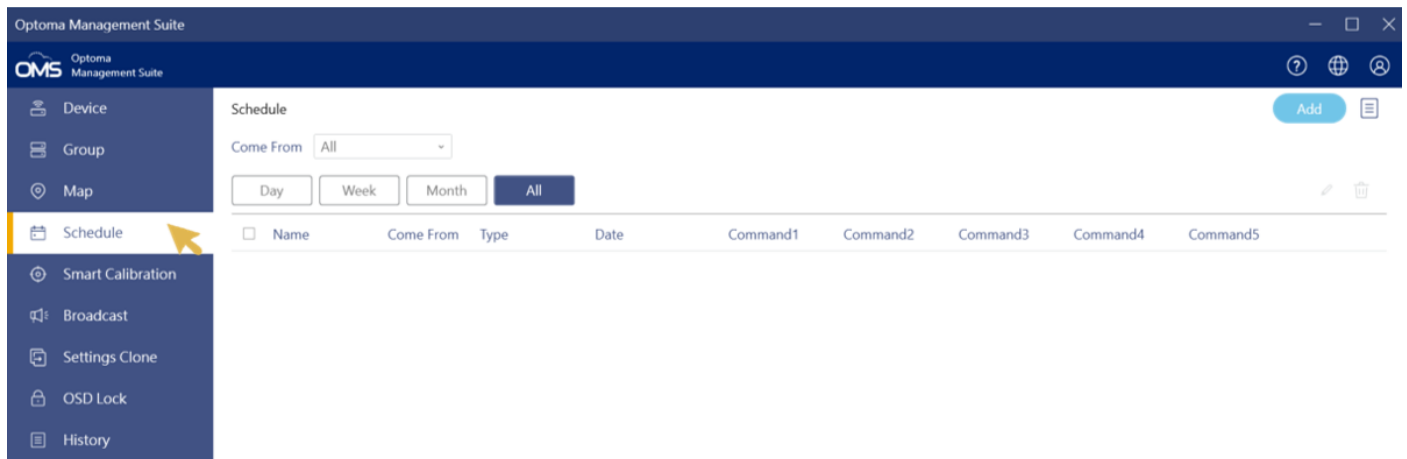
Chapter7 Schedule Control

7.1 Add a schedule

To create a scheduled task, you can follow the instructions below.

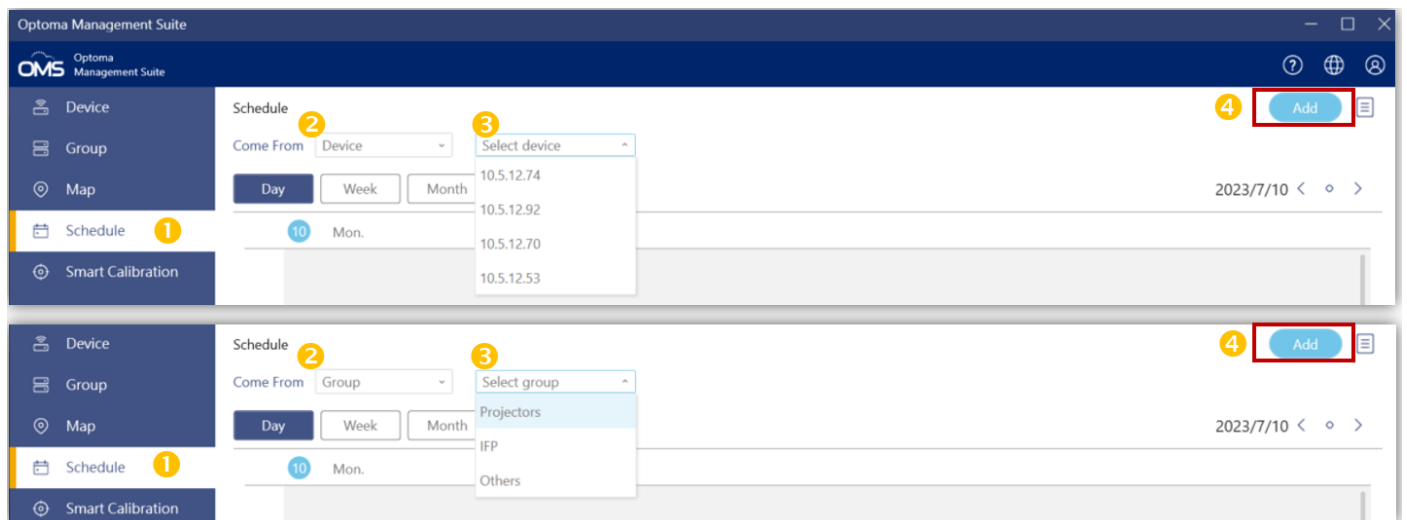
Note:

If you want to use the schedule function, please make sure OMS and the affected devices are connected to the LAN at the scheduled time frame and **turn off hibernation** on your computer to make OMS run well.

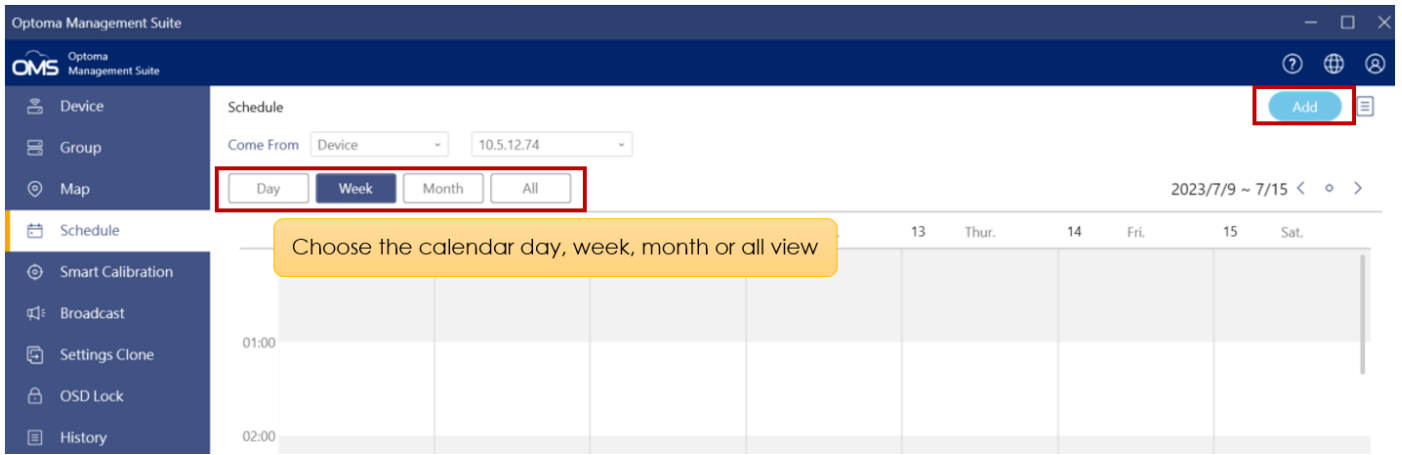


Here are the steps to setup device or group schedule, respectively.

1. From the left panel, right-click on the schedule to open the schedule-setting function and the default view is “All” view for all schedule including Day, Week and Month schedule.
2. Choose one value from the drop-down list of **Come From** and you can designate the target such as device or group to set up a schedule.
3. Once the device or group is chosen, the corresponding drop-down menu will display a list of values, from which the user may select one, for example, a device, or a group.
4. After a device or a group is selected, click the “**Add**” button to add new schedule.

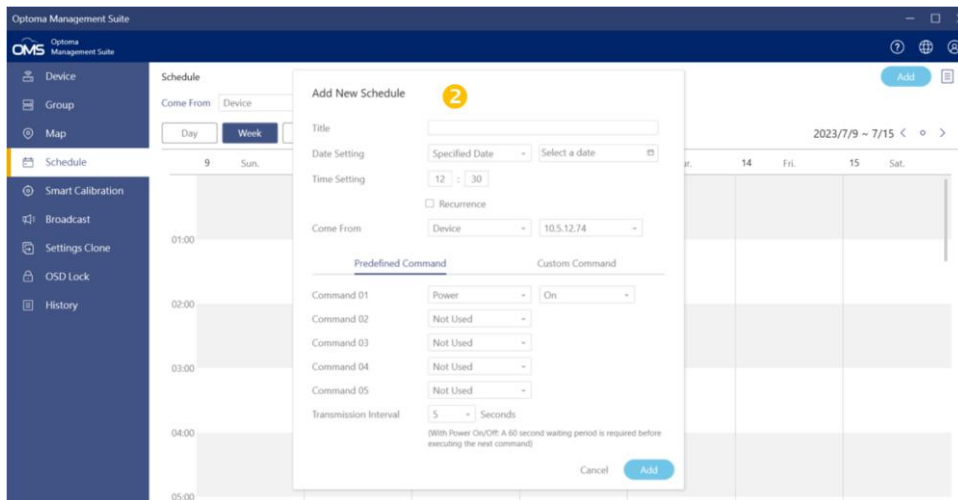


Open the calendar and set the schedule tasks as follows:

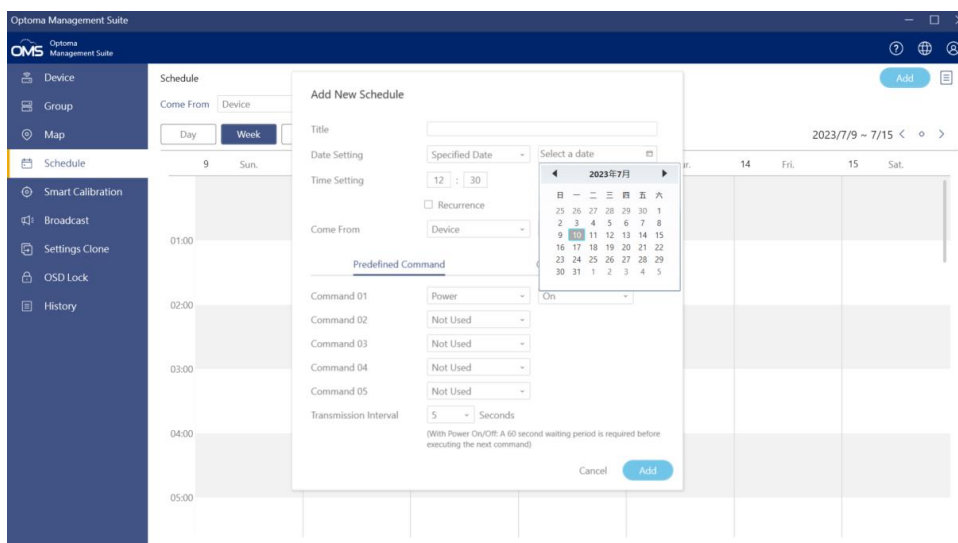


Set up a scheduled task

1. Click the icon()to set scheduled tasks.
2. You can see the **Add New Schedule** window.



3. Select **Specified Date** to set the schedule on a specific date.



- Select **Every Day** to set the daily schedule.

Add New Schedule

Title

Date Setting

Time Setting :

Recurrence

Come From

- Select **Weekly** to set the schedule on the selected day(s) of the week.

Add New Schedule

Title

Date Setting

Sun. Mon. Tue. Wed. Thur.
 Fri. Sat. Weekdays Weekends

Time Setting :

Recurrence

Come From

- **Recurrence option:** To tick **Recurrence** to create a recurring scheduled event.

On the **Predefined Command** tab, click the respective drop-down menu to select the command(s) to be activated at the preset schedule.

	Predefined Command	Custom Command
Command 01	<input type="text" value="Power"/>	<input type="text" value="On"/>
Command 02	<input type="text" value="Not Used"/>	
Command 03	<input type="text" value="Not Used"/>	
Command 04	<input type="text" value="Not Used"/>	
Command 05	<input type="text" value="Not Used"/>	
Transmission Interval	<input type="text" value="5"/> Seconds	

(With Power On/Off: A 60 second waiting period is required before executing the next command)

Cancel

Note:

- You can also manually enter the RS232 or **PJLink** command by selecting the **Custom Command** tab.

- With Power On/Off command, a 60 second waiting period is required before execution of the next command.




- For more information, please refer to **Optoma Protocol documentation** and **PJLink protocol documentation**.

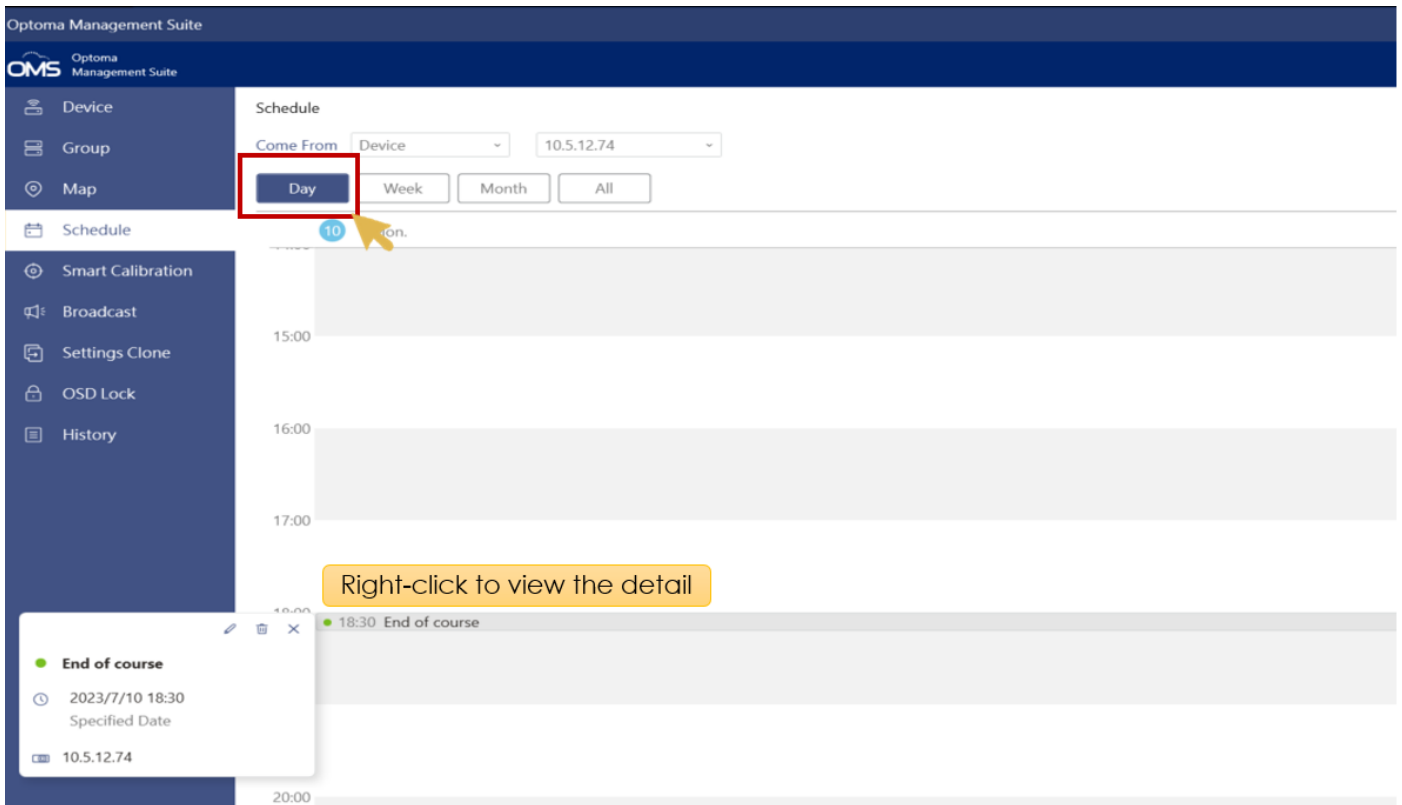
Set the transmission **interval time** (period of time between sending each command).

Click **Add** and the added schedule appears in the calendar view

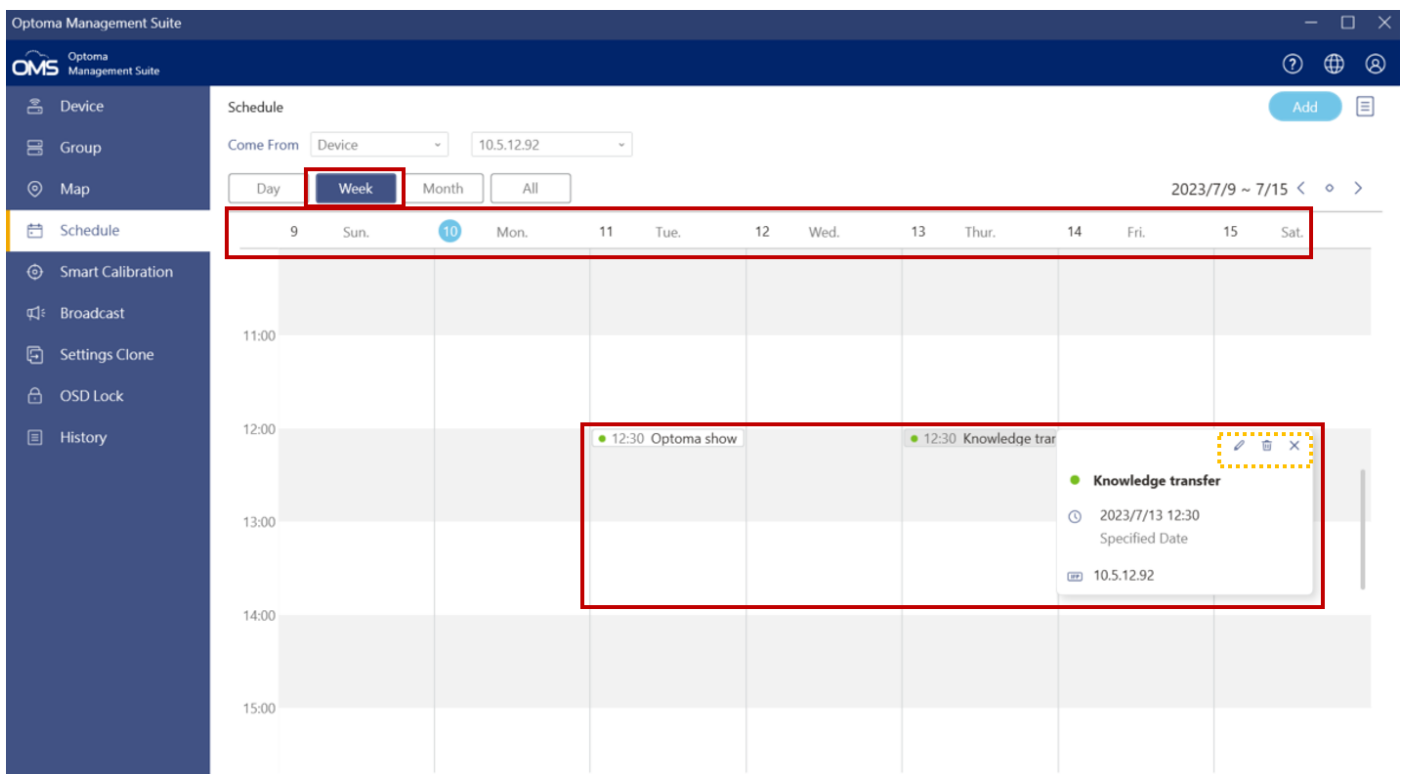
1. Day view

Select the **Day** view to see the 12-hour or 24-hour scheduled tasks in a day.

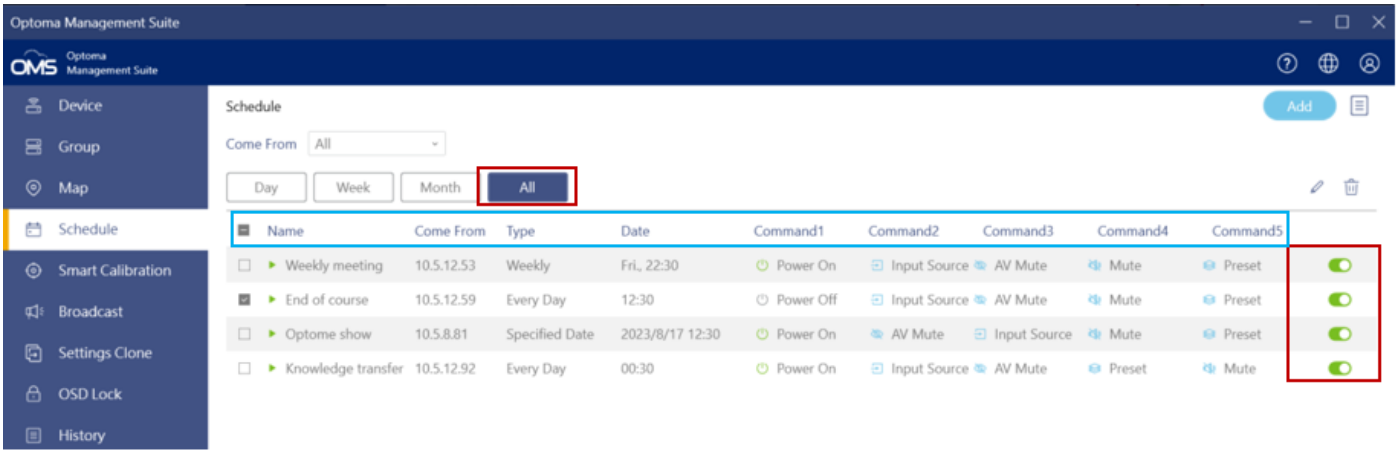
- Click “  ” to edit the schedule task.
- Click “  ” to delete the schedule task.
- Click “  ” to close the window.



2. Select the **Week** view to see the scheduled tasks from Monday to Sunday.




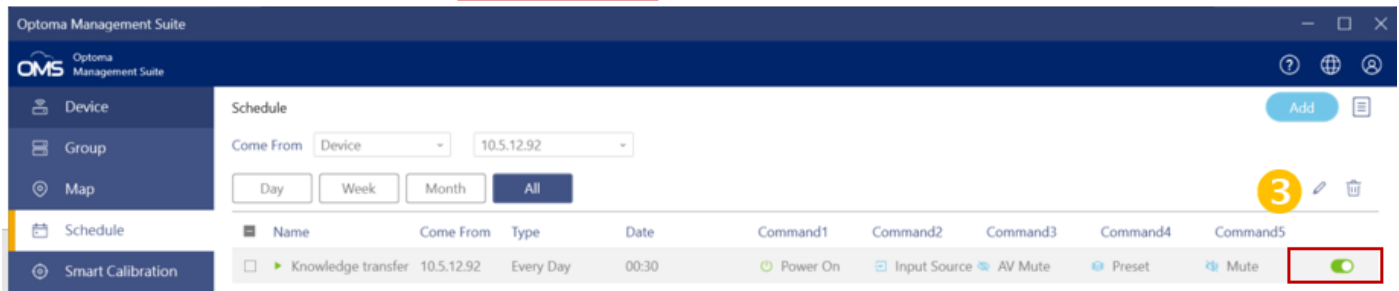
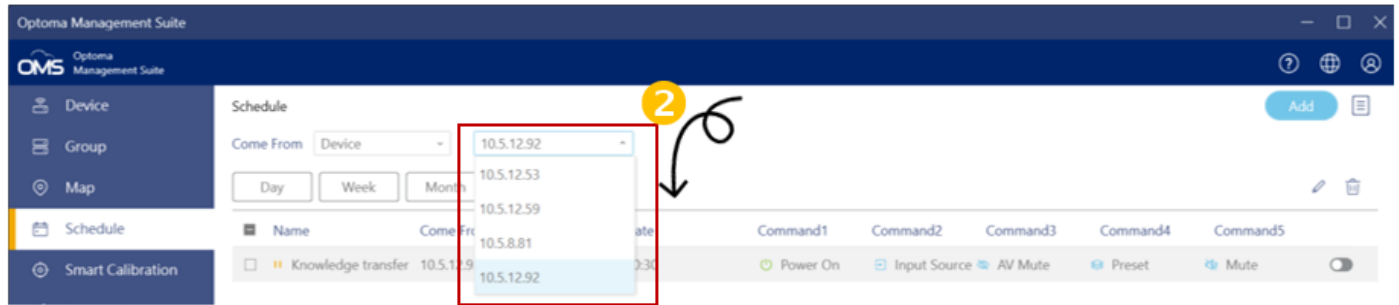
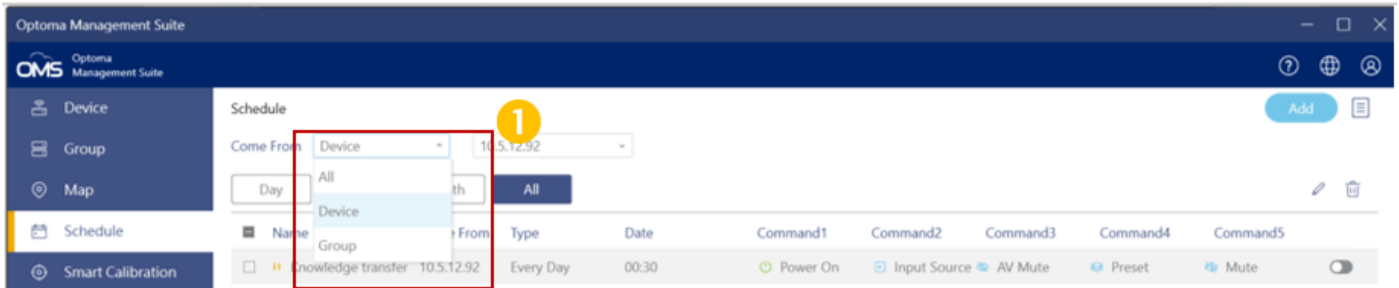
3. Select the **All** view to see a detailed list of scheduled tasks



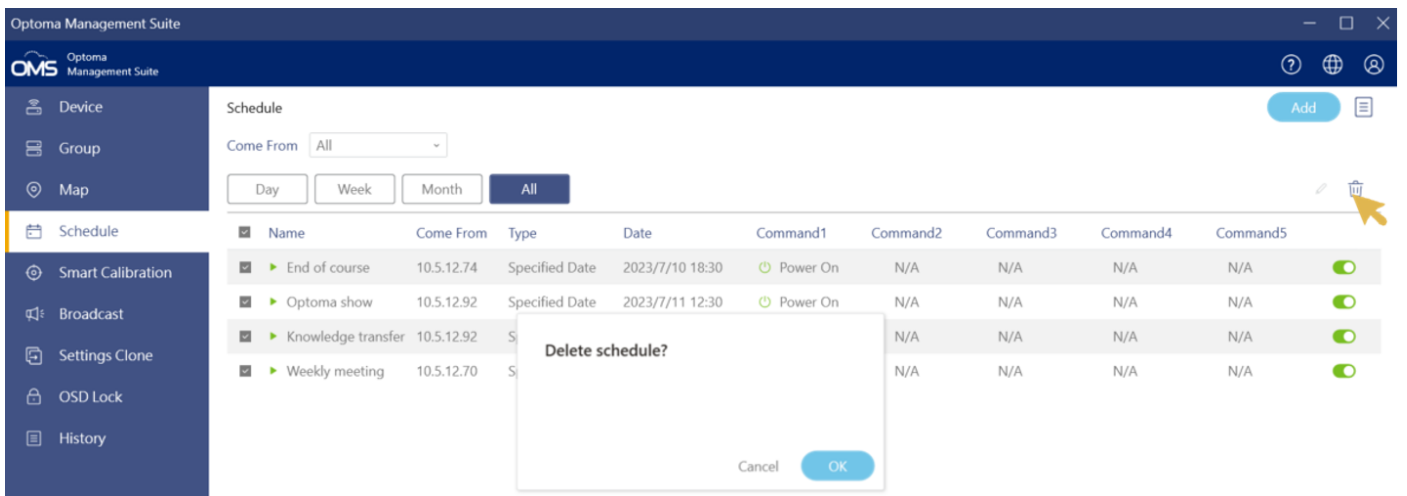
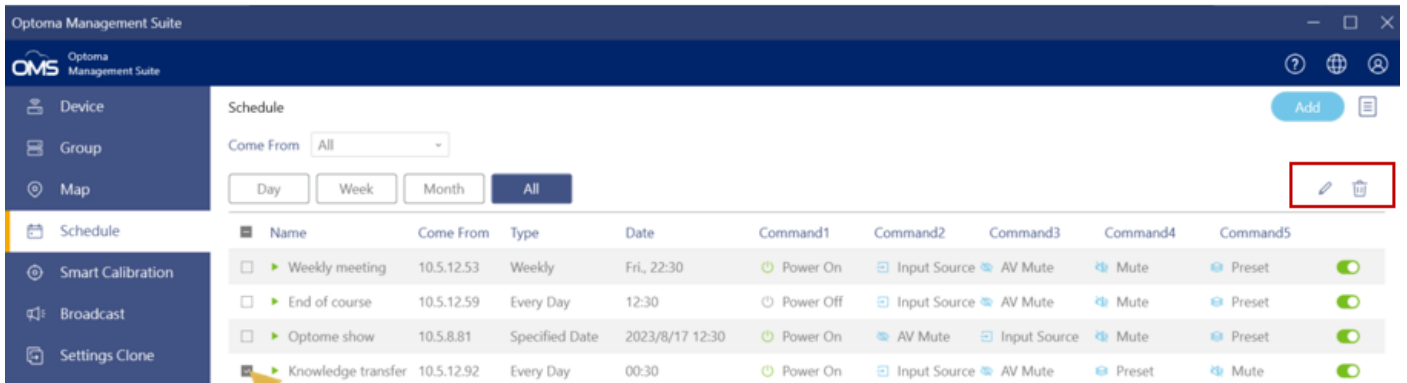
Item	Description
Name	Schedule task name
Come from	Device name
Type	Schedule date: Every Day, Weekly, Specified Date
Command 1,2,3	Command type

To enable or disable scheduled tasks:

- display the list box of **Come From** dropdown list
- choose the devices you want
- click  to enable scheduled tasks

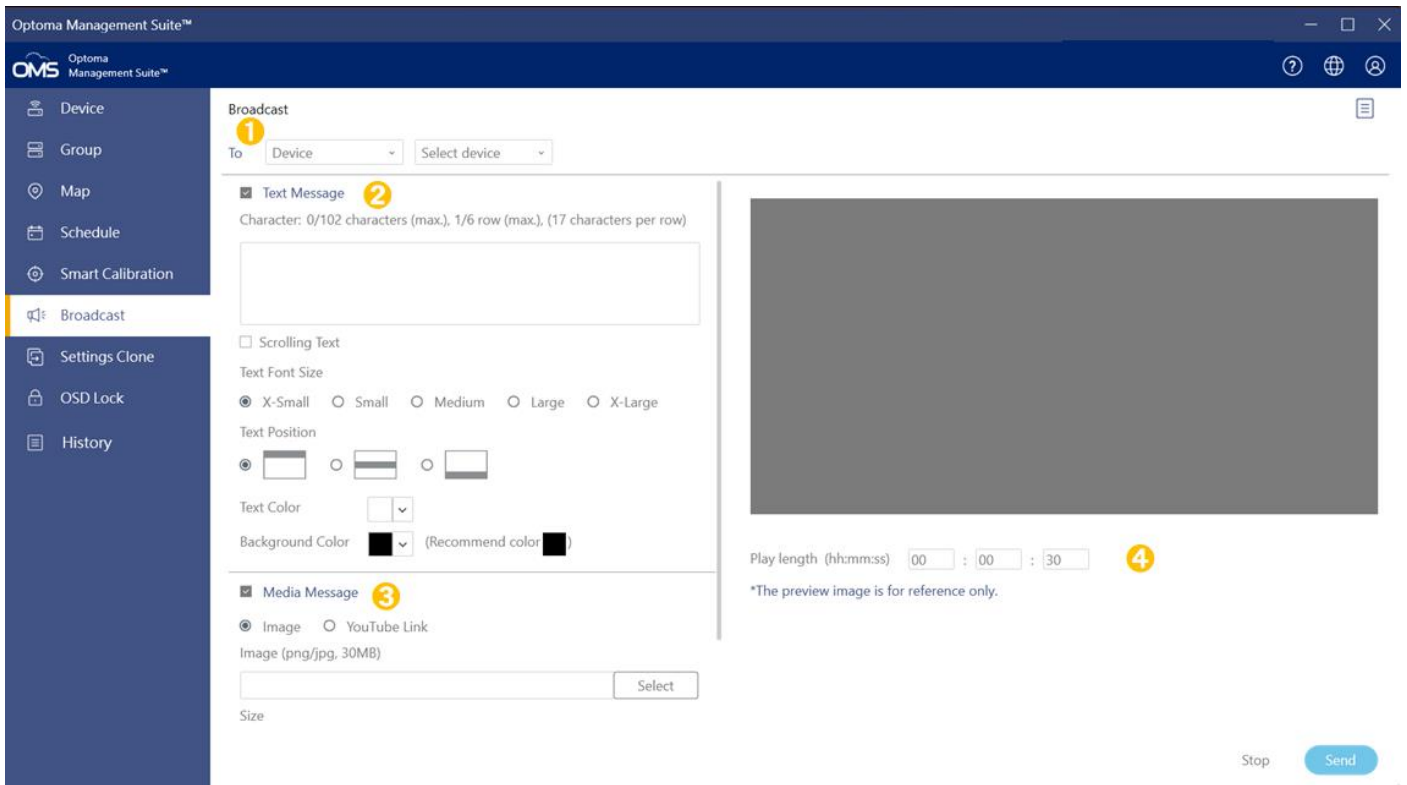


Select the device to Edit  or Delete  the scheduled tasks.



Chapter8 Broadcast Multimedia

The Broadcast feature lets you broadcast multimedia, including text, images, and YouTube links.



No	Description
①	<p>Select Device/Group/Map</p> <p>You can select a device, group, or map you want to send the message to</p>
②	<p>Text Message</p> <ul style="list-style-type: none"> • Scrolling text checkbox: Scroll text behavior defaults to crawling left... • Text font size options <ul style="list-style-type: none"> • X-small • Small • Medium • Large • X-Large <p>Note:</p> <ol style="list-style-type: none"> 1. The number of characters allowed varies with different font sizes. 2. Maximum number of characters is 102 characters (X-small). 3. The preview window will display the reference image . <p>If the display exceeds the visual range, an error message will appear in the preview window.</p>



Test Message
Character: 54 characters (max), 27 row (max), 4 characters per row
testt
 Scrolling text
Text Font Size
 X-Small Small Medium Large X-Large



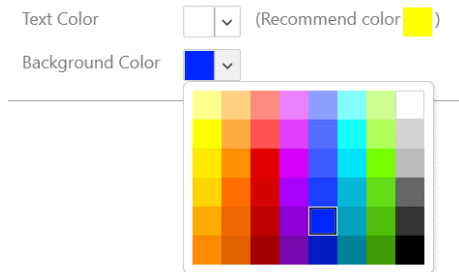
- **Text position options**

Text Position

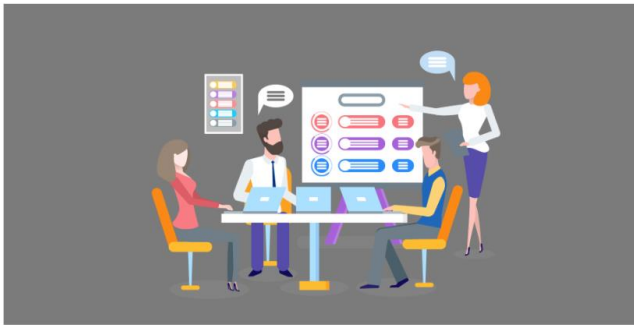


- Top of screen
- Center of screen
- Bottom of screen

- **Text /Background color options**



- **Play length ④ : Set playback duration**



Play length (hh:mm:ss) : :

*The preview image is for reference only.

③ Media Message

1. Image

1. Select image files from PC.
2. Supports png/jpg format, maximum size is 30MB.
3. Play size options: Original size or Full Screen
4. Play length ④ : Set playback duration

Media Message

Image YouTube Link

Image (png/jpg, 30MB)

Size

Original Size Full Screen

ii. YouTube Link

1. Copy and paste the YouTube link
2. Default is full screen

Media Message

Image YouTube Link

Some YouTube videos might be restricted due to YouTube policy or licensing rights.

To stop YouTube from lagging, make sure you are connected to network with good signal strength.

Size

Full Screen

- Play length options ④
 - a. Play once (default)
 - b. Custom duration



Play length

Play once

Custom (hh:mm:ss) : :

*The preview image is for reference only.

Stop

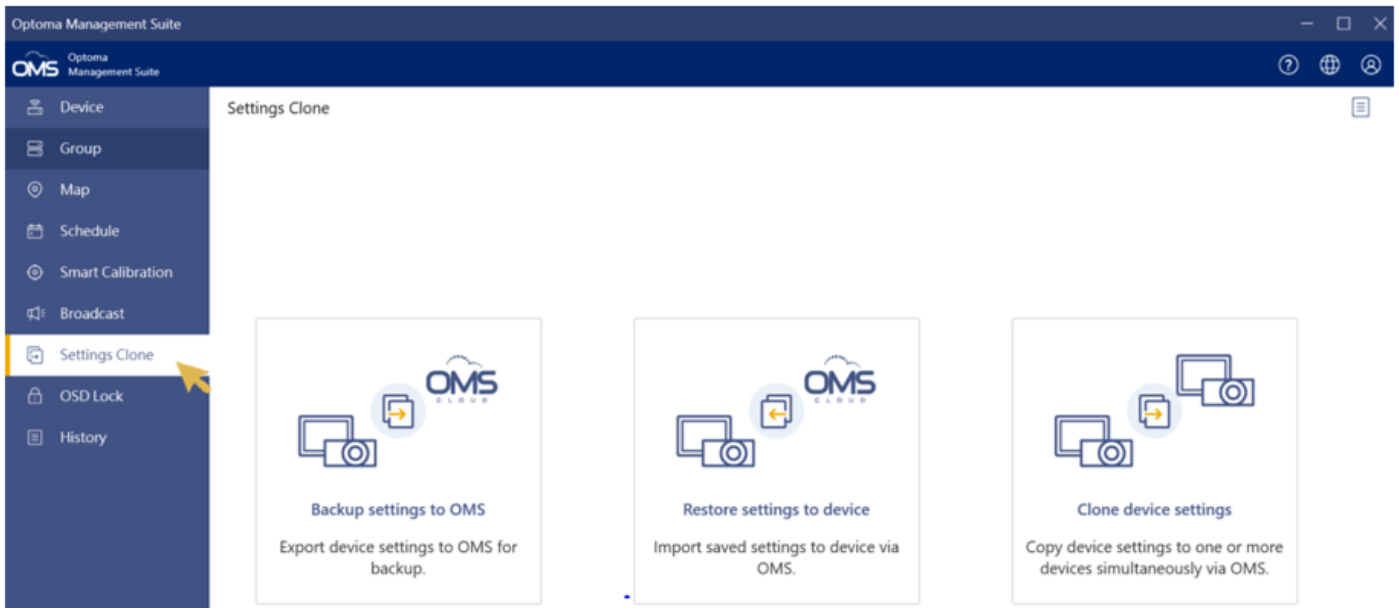
Note: Supports mixed format broadcasting

1. Text and image
2. Text and YouTube.

Chapter9 Advanced Control

9.1 Settings clone

To save users the trouble of replicating multiple device settings, the settings clone function allows users to clone settings from one device to another.



There are three options available for settings clone:

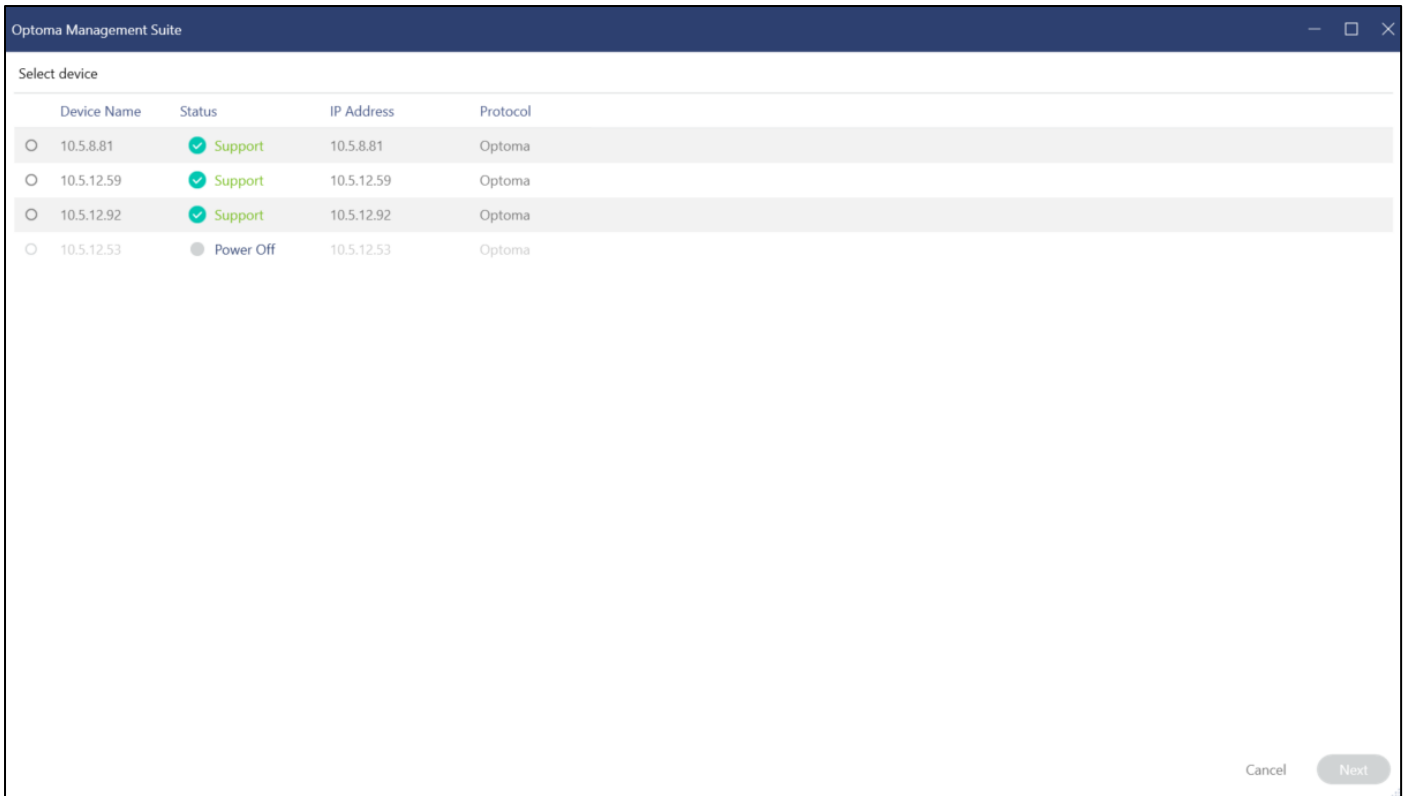
1. Backup settings to OMS
2. Restore settings to device
3. Clone device settings

Note:

1. The settings clone function only supports the specific Optoma devices.
 - Projectors support OSD settings clone.
 - IFP/FP devices support launcher settings clone.
 - Please refer to the device user manual for more details.
2. The device must be a matching model of the same firmware version.
3. In the process of OSD cloning, the devices don't react to any commands and hence no commands can be executed.

9.1.1 Open files (backup settings to OMS)

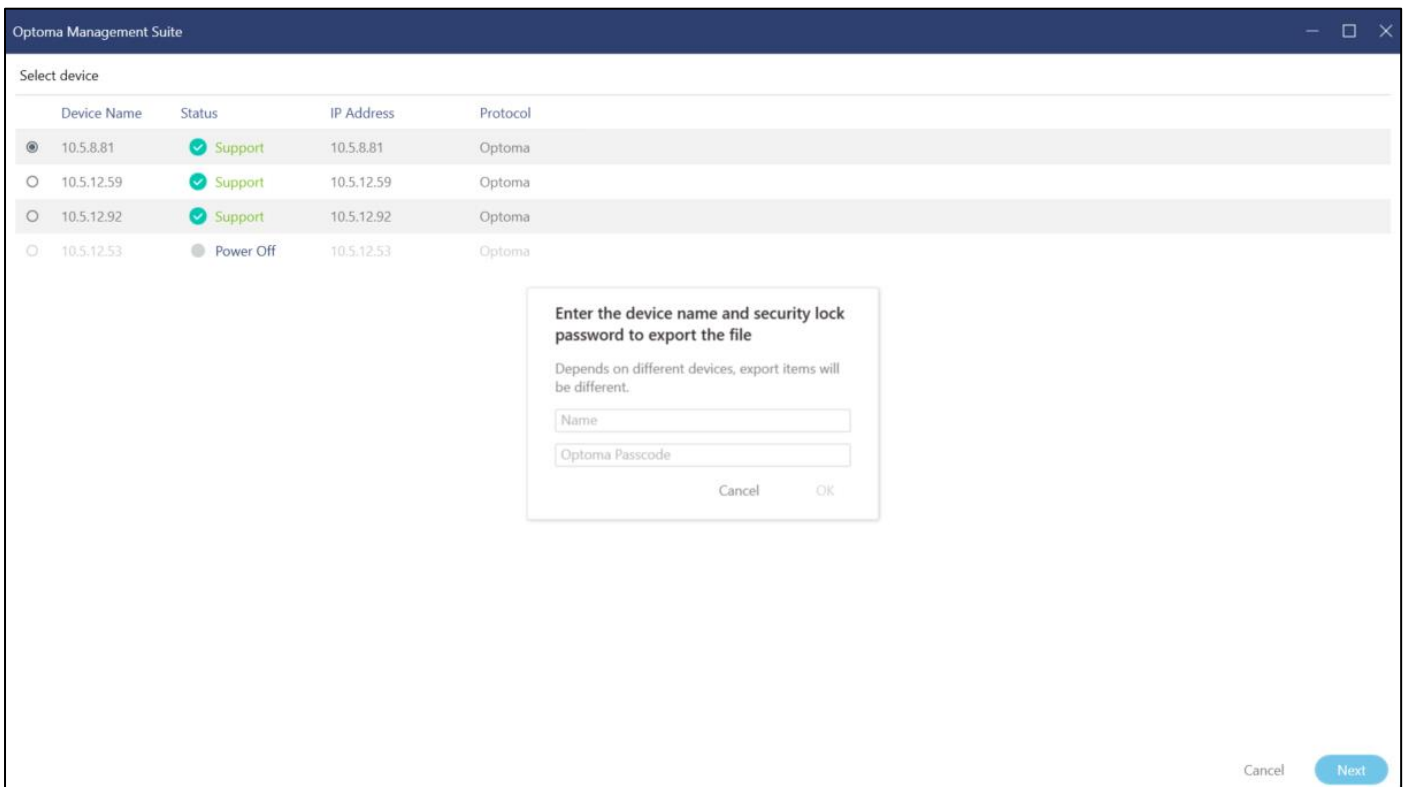
1. Click **Backup settings to OMS** to export device setting file



2. Select one of the devices and enter the device name and password to export the file

Note:

- Projector is security lock password.
- IFP/FP is advanced password.
- The default password is 1234. Please check the device user manual for details on Password settings.



3. Click” **Next**” to export the file

The file has been exported.

Name	Alias Name	Creator	System version	Export time
^ DAZUGKZZ (1)				
20211014144322	Optoma XXX		P04.01.00	2021/10/14 14:43:22

9.1.2 Save file (Restore settings to device)

1. Click **Restore settings to device** to import device setting

Name	Alias Name	Creator	System version	Export time
^ DAZUNZZ (4)				
2022224145249	Optoma XXX	DMT	P04.05.01	2022/2/24 14:52:49
2022224145321	Optoma XXX	DMT	P04.05.01	2022/2/24 14:53:21

2. Select file

Name	Alias Name	Creator	Software version	Export time
^ DAZUGKZZ (2)				
<input checked="" type="radio"/> 2232022151024	File 01	admin	P04.05.01	2/23/2022 15:10:24
<input type="radio"/> 2232022151107	File 02	admin	P04.05.01	2/23/2022 15:11:07

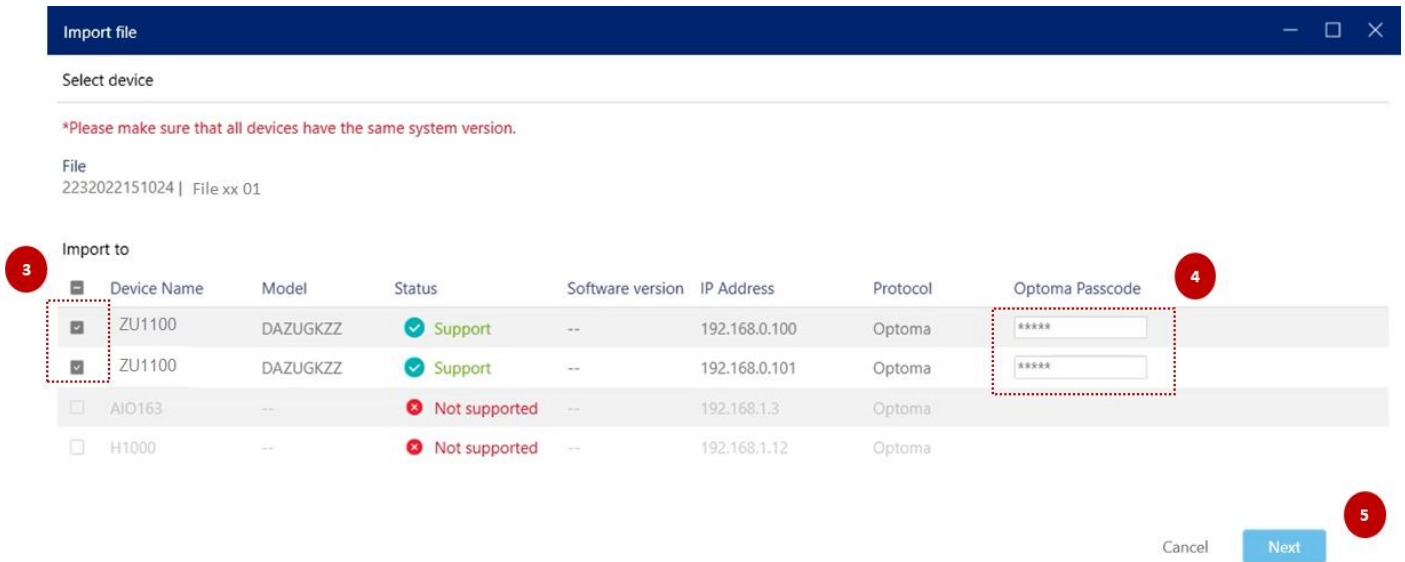
Cancel

Next

3. Select device/s

4. Confirm the Password.

5. Click “**Next**” to start the import process




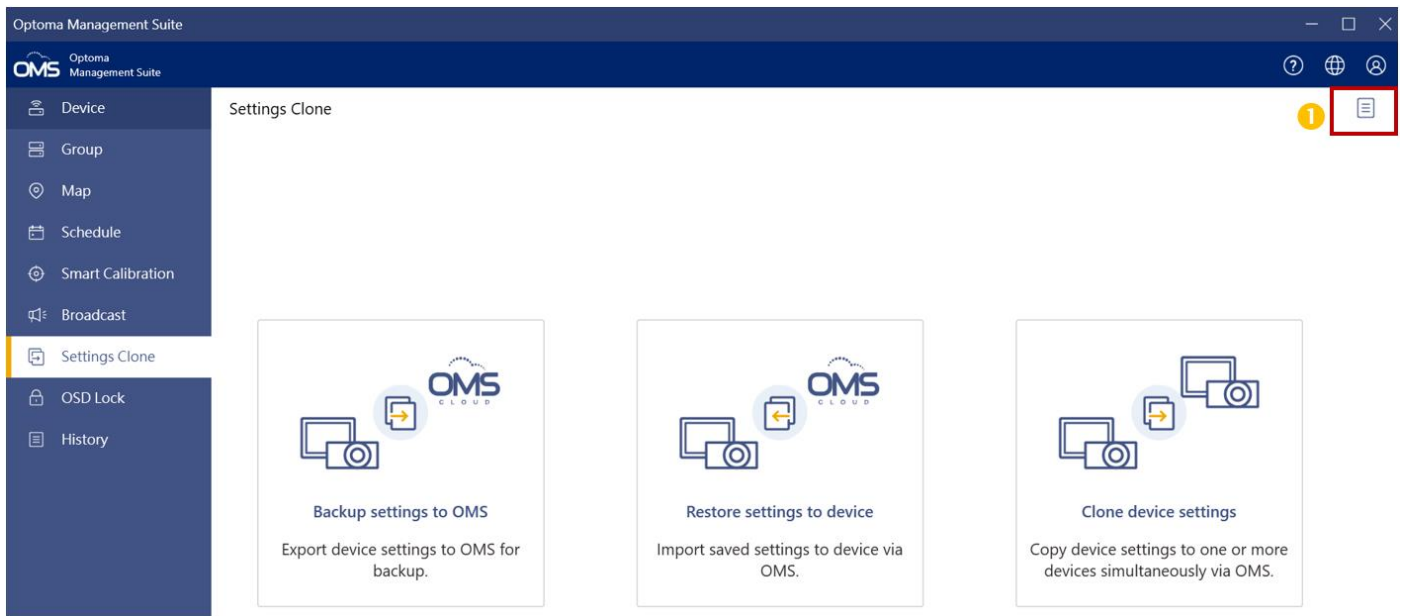
9.1.3 Clone device settings

Copy device settings to one or more devices at once via OMS.

Consolidate backup and restore processes into a single process for replication to multiple devices.

9.1.4 History

1. Click "  " to view the OSD Clone history



2. Result: Success:  Failed : 

Device Name	Type	File Name	Alias Name	Model	Software version	Time	Result
ZU1100	Import	2232022151024	File 01	DAZUGKZZ	P04.05.01	2/23/2022 16:47	Importing
ZU1100	Import	2232022151024	File 02	DAZUGKZZ	P04.05.01	2/23/2022 16:47	Importing
ZUXXX	Export	2232022151057	File 03	DAZUGKZZ	P04.05.01	2/23/2022 15:11	Success
ZUXXX	Export	2232022151014	File 04	DAZUGKZZ	P04.05.01	2/23/2022 15:10	Failure

9.2 Smart calibration

Maintain perfect images remotely with smart calibration.

Smart Calibration

Active Focus

Start

Active Color Uniformity

Start

Camera Auto Tune

Start

Device Status

Device Name	Active Focus	Active Color Uniformity	Camera Auto Tune	Security Password
<input type="checkbox"/> ZU1900	View	Reset	Support	Password
<input type="checkbox"/> ZU1900	View	Reset	Support	****
<input checked="" type="checkbox"/> ZU1900	Calibrating...	Reset	Support	Correct
<input checked="" type="checkbox"/> ZU1900	View ✘ 2021/02/10	Reset	✘ 2021/02/10	Correct
<input checked="" type="checkbox"/> ZU1900	View ✔ 2021/02/10 Result	Reset	✔ 2021/02/10	Correct
<input type="checkbox"/> ZU1900	View	Reset	Support	Correct
<input checked="" type="checkbox"/> ZU1900	Waiting...	Reset	Support	Correct
<input type="checkbox"/> ZU1900	View	Reset	Support	Correct
<input type="checkbox"/> AK1050	Not Support	Not Support	Not Support	Correct

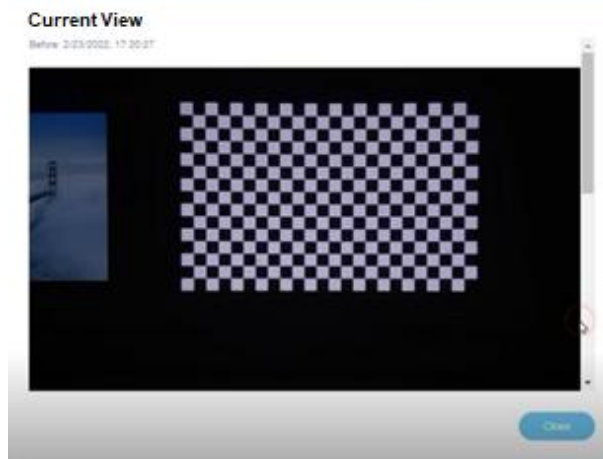
9.2.1 Device status

- Supported or not supported status
- Security Password, please refer to the projector user manual to set or change the security password. The default password is 1234.
- Calibration status: Calibrating or Waiting....

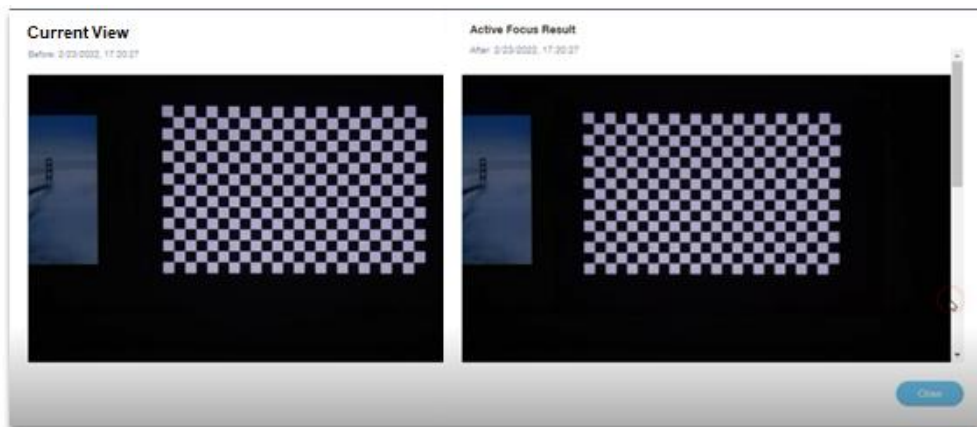
9.2.2 Smart calibration

Camera Auto Tune	Before starting the calibration, you can adjust the camera parameters for the best image quality.
Active Focus	To maintain and achieve better image performance, you can check the current view and automatically calibrate the image.

- View: Preview the current image.



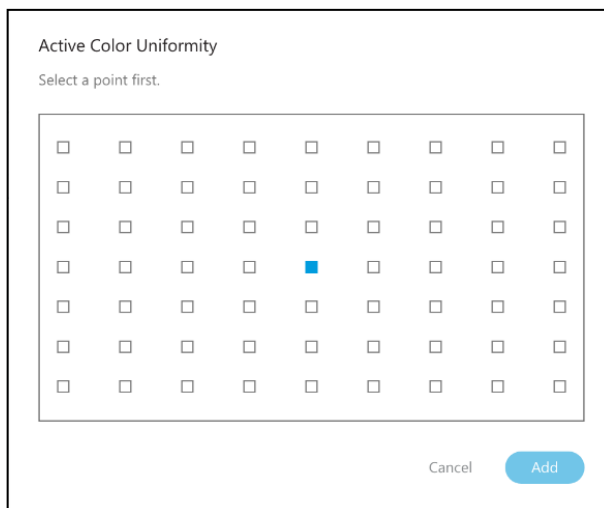
- Result: After calibration, click “Result” to check the before and after images.



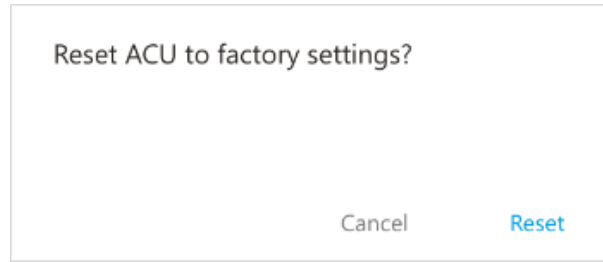
Active Color Uniformity

Automatically adjusts the RGB gain of the projected image to approximate the color of the target area for a uniform color display. The brightness of the original content may be decreased.






1. Target selection: Please select a target point from the 63 grid positions as the alignment value for other areas.

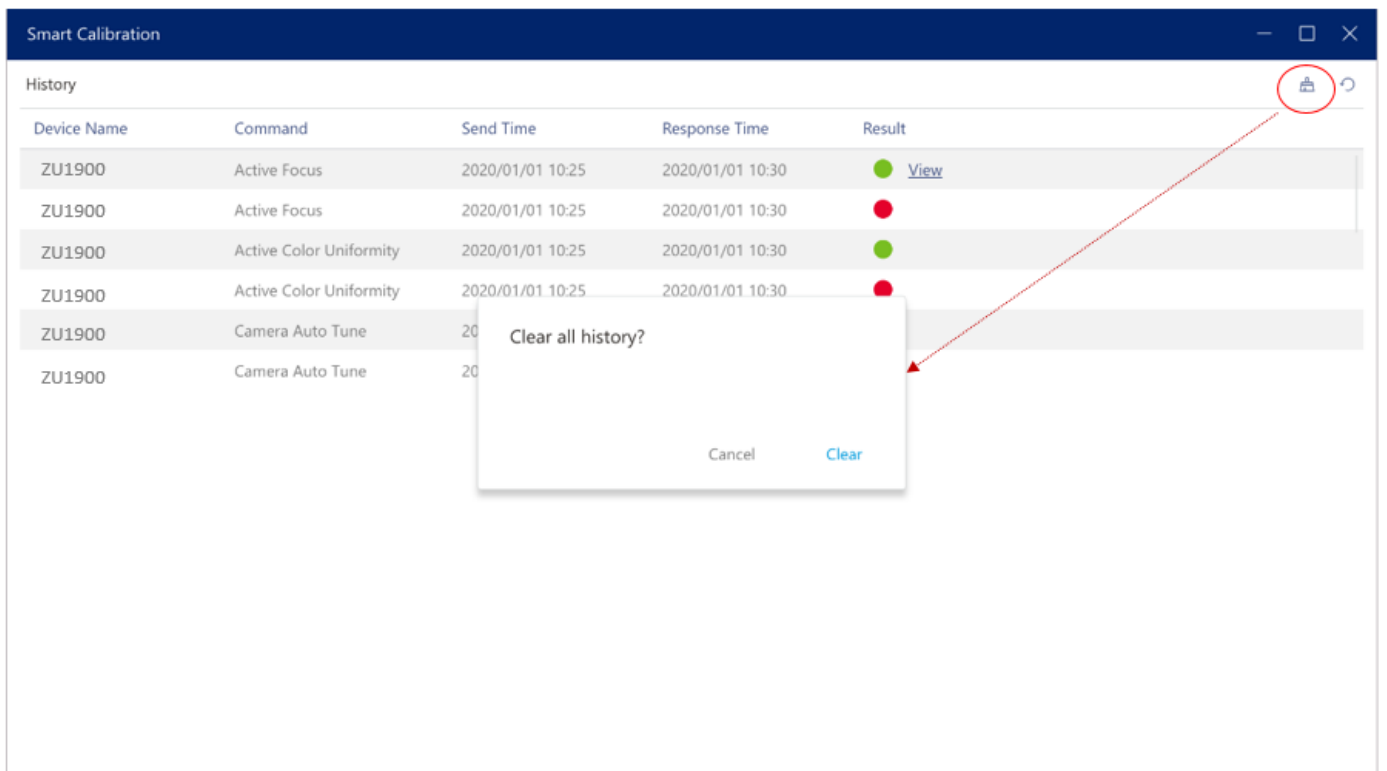


2. Calibration: Click “Start” and wait for the calibration to complete.
3. Reset: Click “Reset” if you are not happy with the calibration results.



9.2.3 History

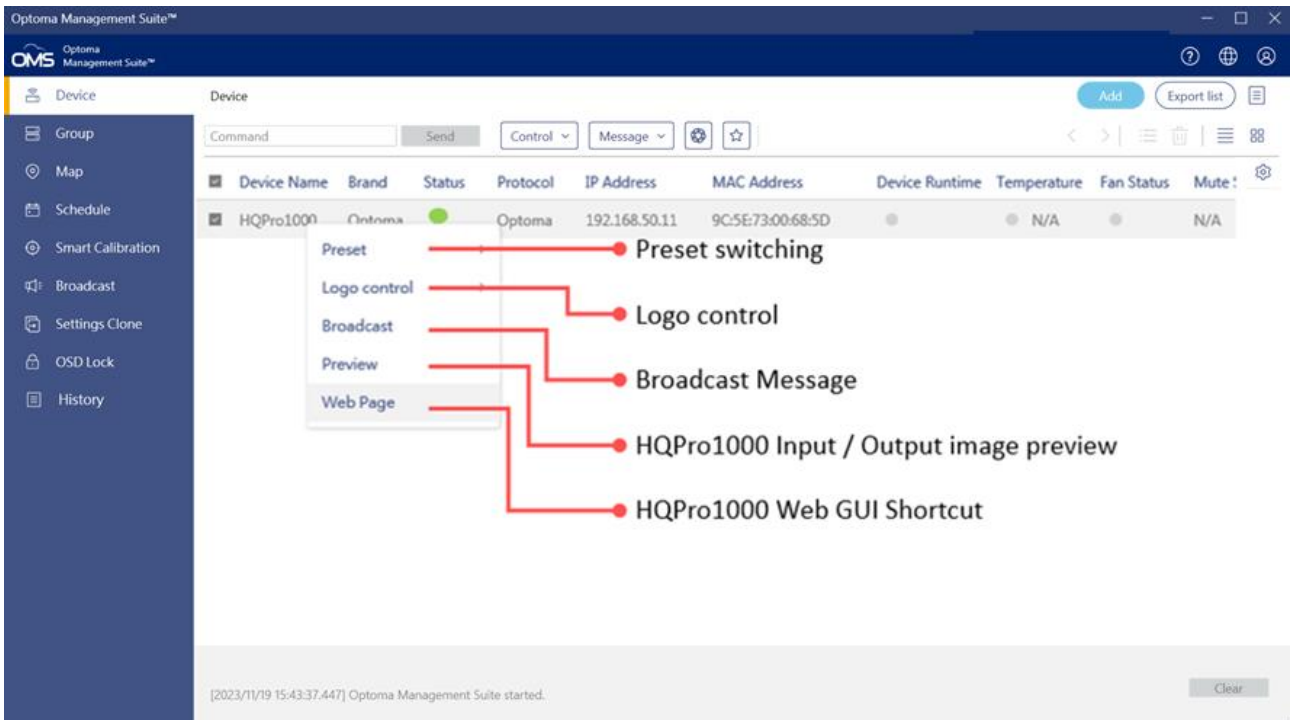
1. Click "  " to view the Smart Calibration history
2. Result: Success:  Failed : 
3. Click "  " to clear all history
4. Click "  " to refresh the status



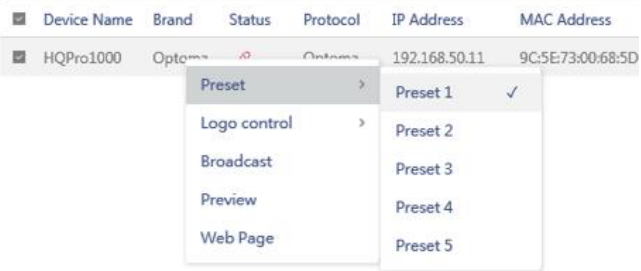
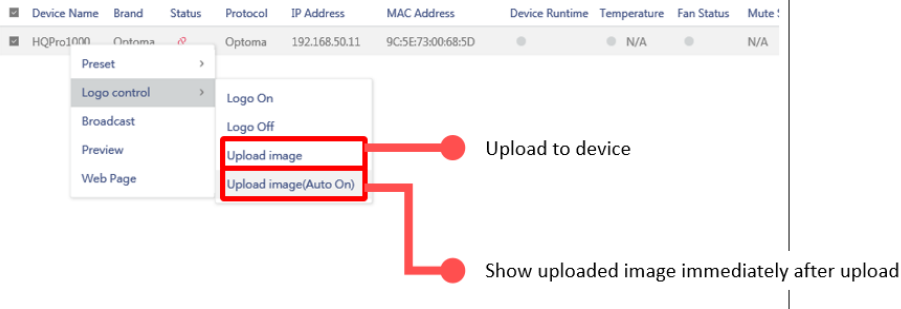
9.3 HQPro1000

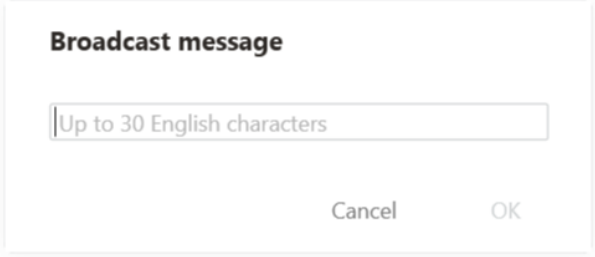
OMS supports HQPro 1000 functions as follows:

1. Right-click the HQPro 1000 device to pop up the function menu

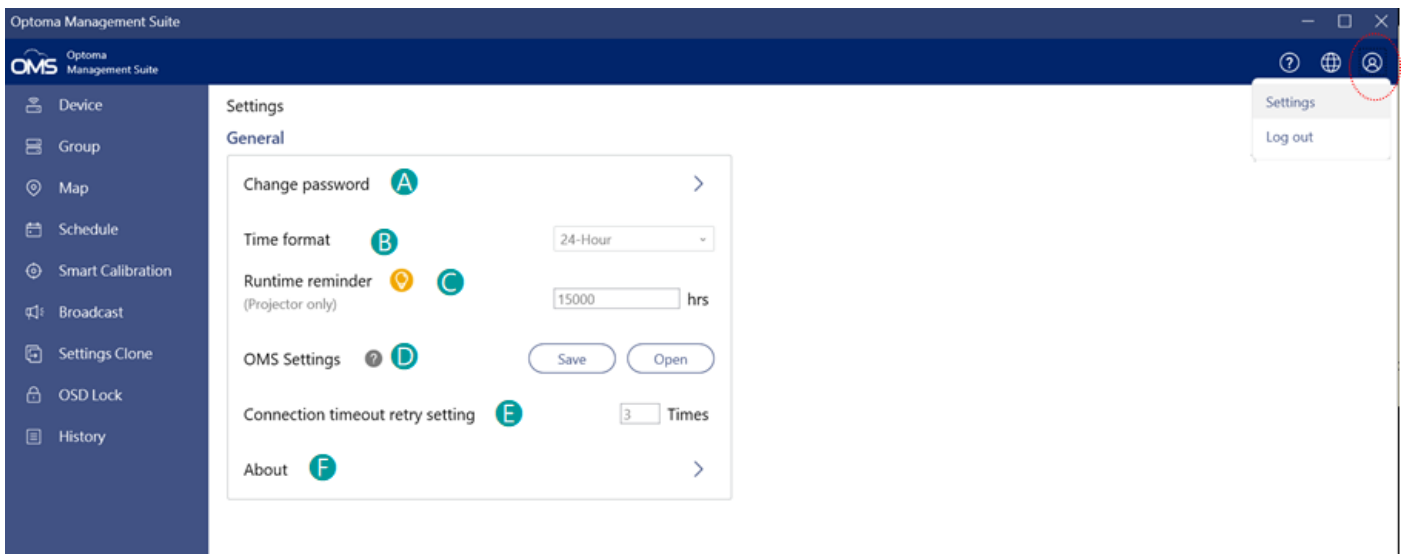


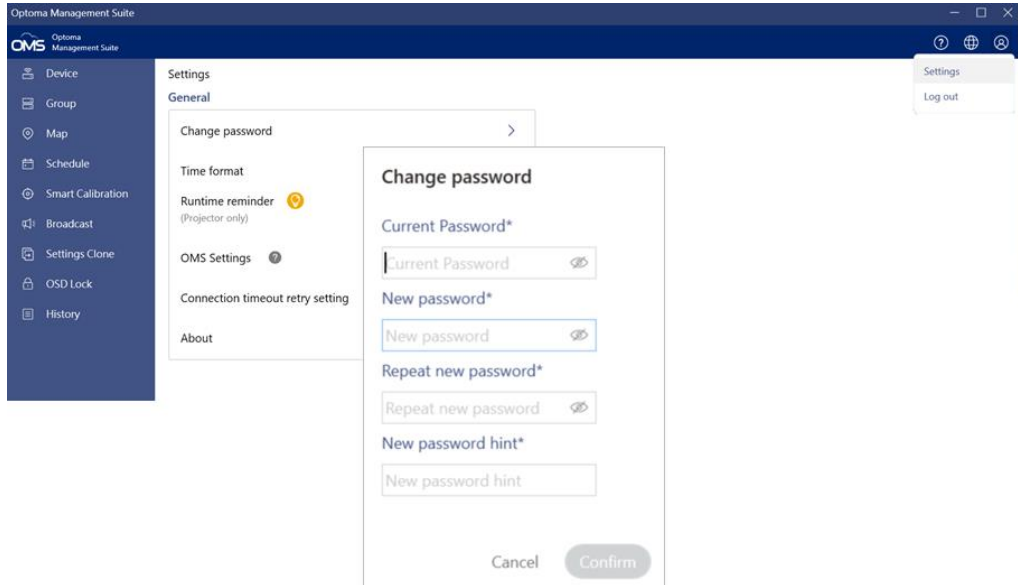
2. Function menu table

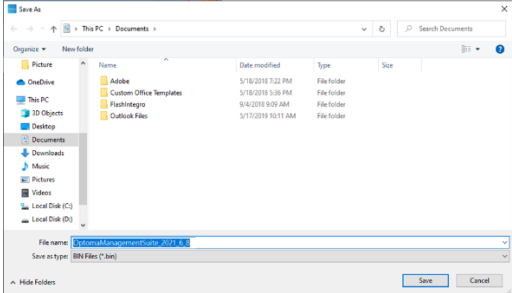

Item	Description
Preset	Preset switching 1~5 
Logo control	<ol style="list-style-type: none"> 1. Logo On : Turn on image display 2. Logo Off : Turn off image display or stop broadcast 3. Upload image: Upload image to device 4. Upload image (Auto On): Show uploaded image immediately after upload  <p><i>Note:</i></p> <ul style="list-style-type: none"> • Logo image format PNG RGBA 8 bit • Background image format PNG RGB 8 bit.

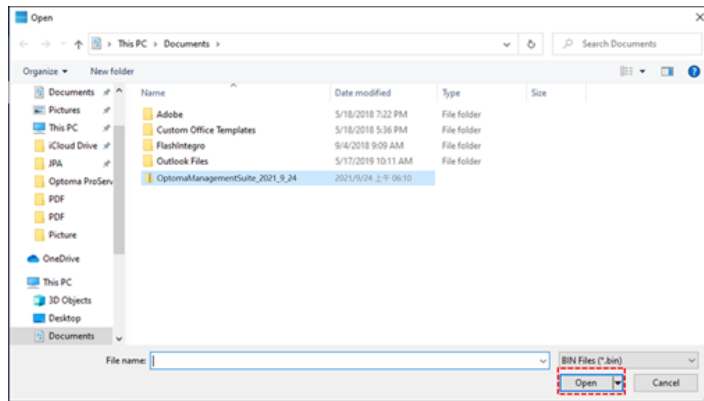
Broadcast	<ol style="list-style-type: none"> 1. Send a broadcast message 2. Logo off: Stop broadcasting messages 
Preview	HQPro1000 Input / Output image preview
Web Page	HQPro1000 Web GUI Shortcut

9.4 Settings

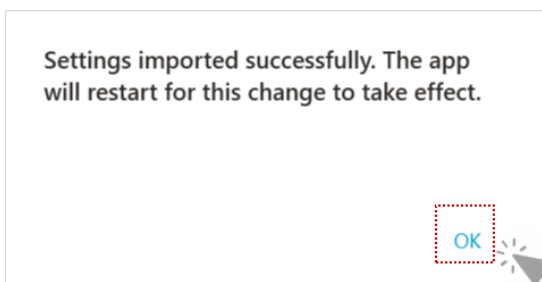


General Settings	Descriptions
Change Password	<p>A Change the login password</p> 

Time Format	<p>Ⓑ Change time format</p> <ol style="list-style-type: none"> 24-Hours AM-PM
Runtime Reminder	<p>Ⓒ Set the projector light source operating hours to remind you of its service life. Typically used in lamp projectors.</p>
OMS settings	<p>Ⓓ Backup and restore all your OMS settings including devices, device groups, scheduled tasks and map control configurations.</p> <p>a. Save</p> <p>To save the current settings configuration, do the following:</p> <ol style="list-style-type: none"> Click Save Select the location where you want to save the file, then confirm the file name and click Save  <ol style="list-style-type: none"> Settings exported successfully.  <p>b. Open</p> <p>To load a previously saved configuration file, do the following:</p> <p><i>Note: When you import the settings file, it will replace the settings in the current app.</i></p> <ol style="list-style-type: none"> Click Open Locate the file (*.bin) on your computer and click Open.



- Settings imported successfully. The app will restart for this change to take effect.

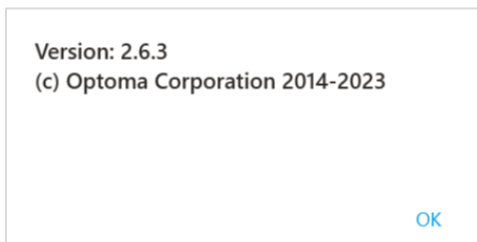


Connection timeout
retry setting

- Set the number of connection timeout retries

About

- Check App version



9.5 History/Action log

9.5.1 Command history

Optoma Management Suite

History

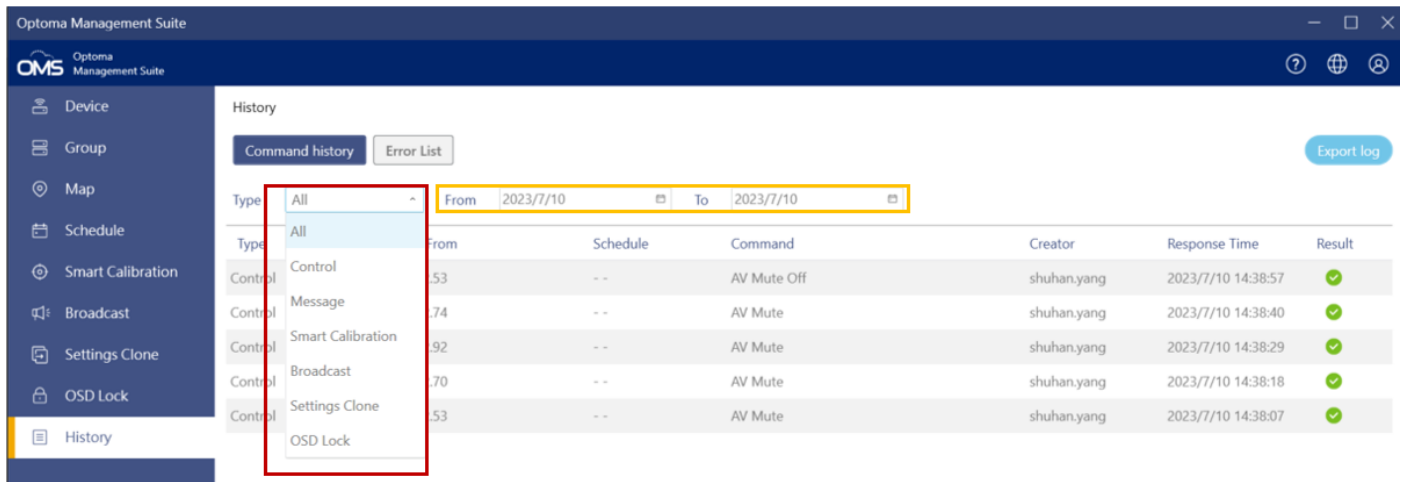
Command history Error List

Export log

Type: All From: 2023/7/10 To: 2023/7/10

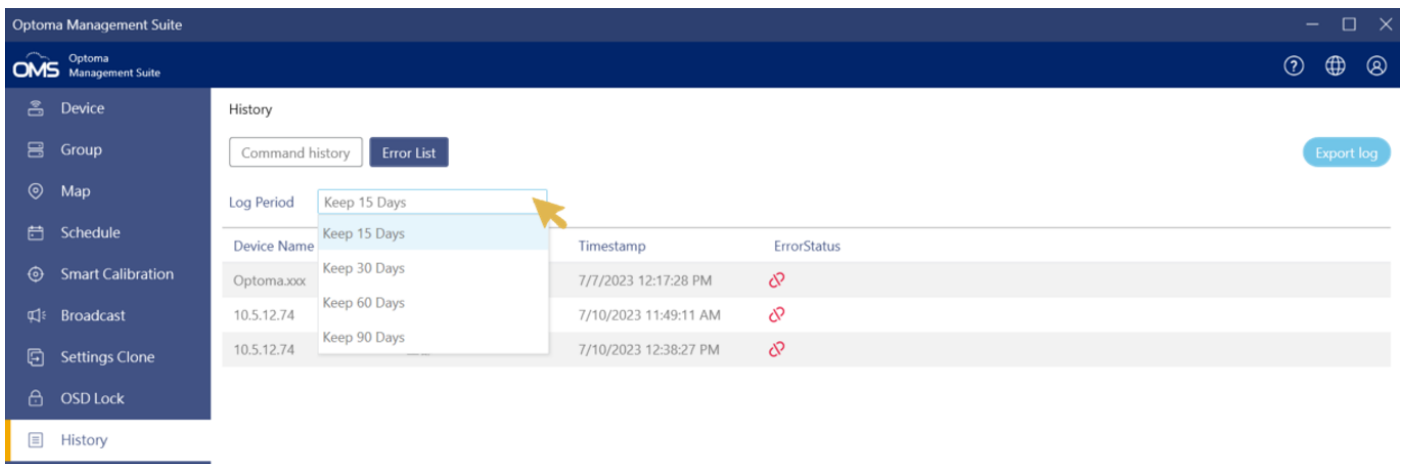
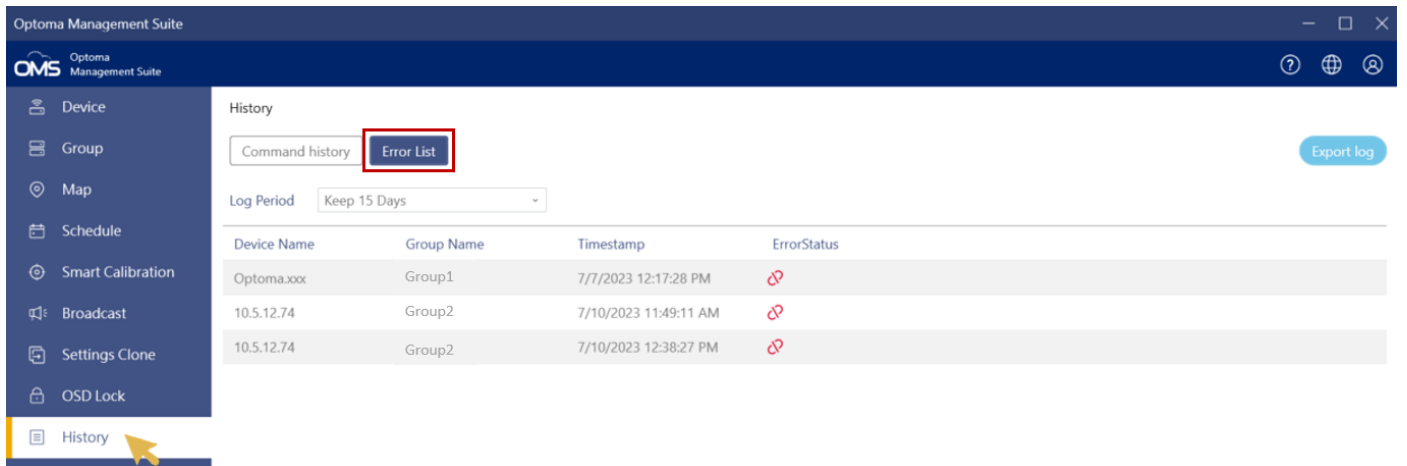
Type	Come From	Schedule	Command	Creator	Response Time	Result
Control	10.5.12.53	--	AV Mute Off	shuhan.yang	2023/7/10 14:38:57	✓
Control	10.5.12.74	--	AV Mute	shuhan.yang	2023/7/10 14:38:40	✓
Control	10.5.12.92	--	AV Mute	shuhan.yang	2023/7/10 14:38:29	✓
Control	10.5.12.70	--	AV Mute	shuhan.yang	2023/7/10 14:38:18	✓
Control	10.5.12.53	--	AV Mute	shuhan.yang	2023/7/10 14:38:07	✓

Select the command type from the drop-down menu and specify the period.






9.5.2 Error list

To view the list of errors, click **Error List** on the top menu panel and view the error list for a specified number of days; select from the drop-down menu-**Log Period**: 15days / 30 days / 60days / 90days






From this page, you can view information about the errors that are occurring on the devices.

Error icon	Definition
	System overheating

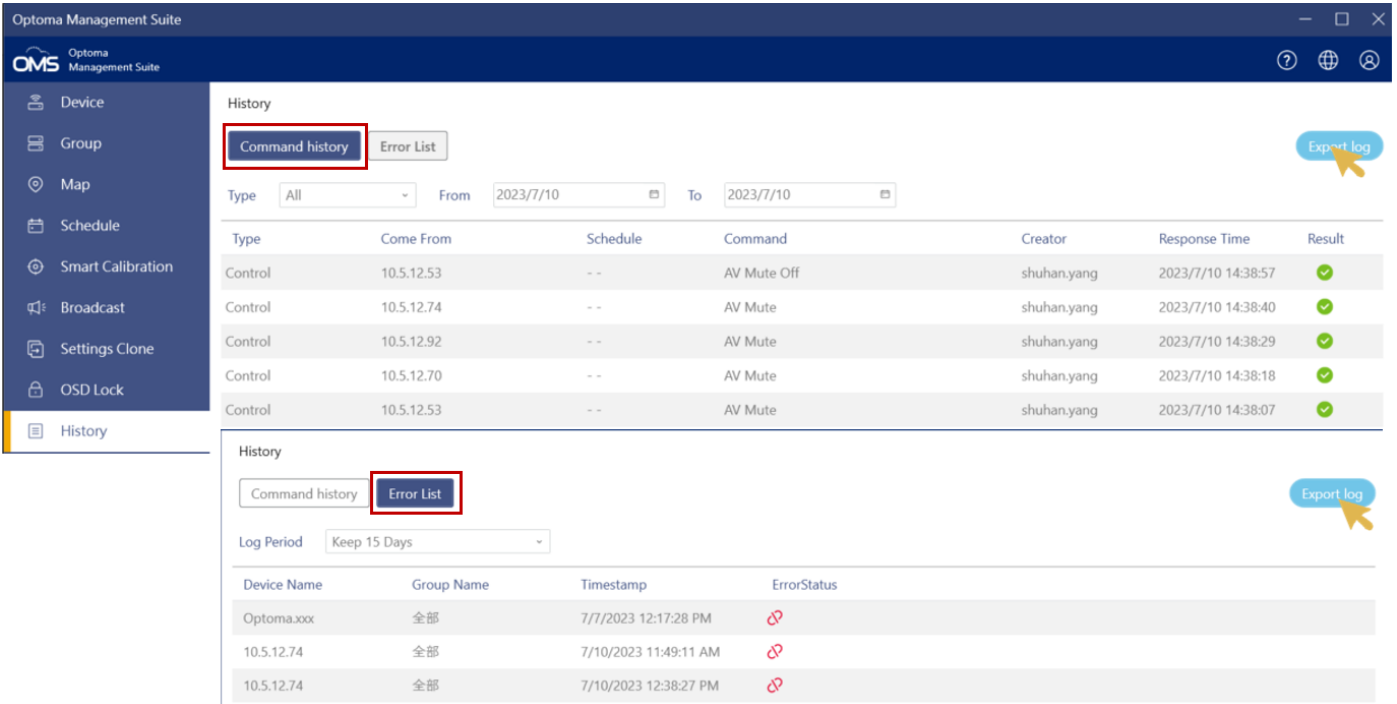
	Fan Error
	Light error
	Network Disconnected

Note:

- To refresh the page, click “  ” to **Refresh**.
- To save the error list, click”  ” to **Save**
- To Clear the error list, click”  ” to **Clear**

9.5.3 Export log




Click **Export Log** to save the log file (command or error history)



The screenshot shows the Optoma Management Suite interface. On the left is a navigation menu with options: Device, Group, Map, Schedule, Smart Calibration, Broadcast, Settings Clone, OSD Lock, and History. The main area is divided into two sections:

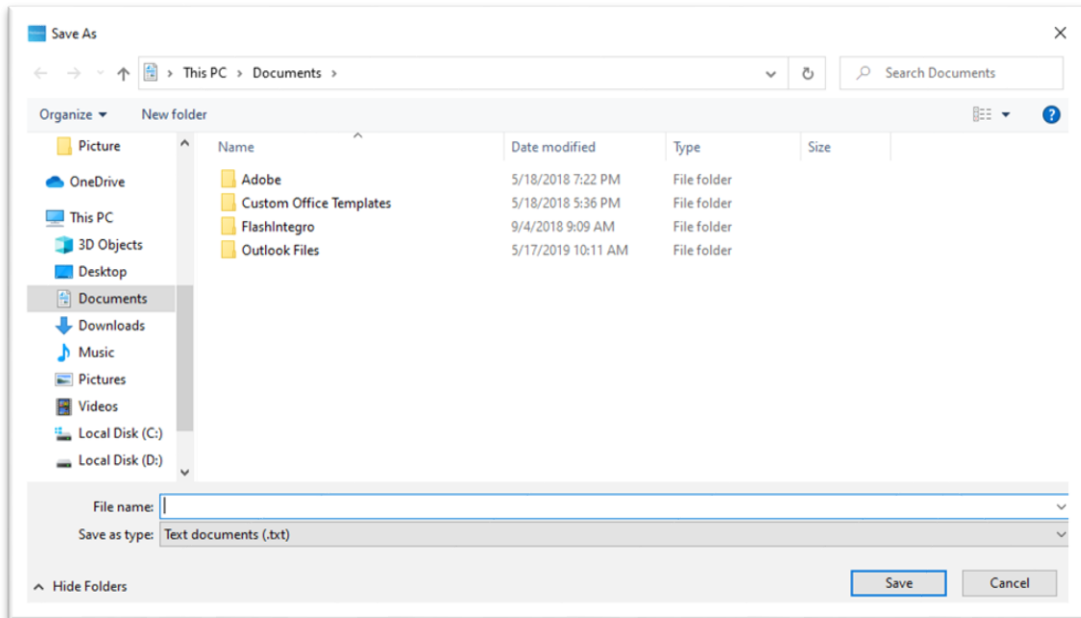
- Command history:** This section has a red box around the 'Command history' tab. It includes a filter for 'Type' (set to 'All') and date range 'From 2023/7/10' to '2023/7/10'. Below is a table of commands:

Type	Come From	Schedule	Command	Creator	Response Time	Result
Control	10.5.12.53	--	AV Mute Off	shuhan.yang	2023/7/10 14:38:57	✓
Control	10.5.12.74	--	AV Mute	shuhan.yang	2023/7/10 14:38:40	✓
Control	10.5.12.92	--	AV Mute	shuhan.yang	2023/7/10 14:38:29	✓
Control	10.5.12.70	--	AV Mute	shuhan.yang	2023/7/10 14:38:18	✓
Control	10.5.12.53	--	AV Mute	shuhan.yang	2023/7/10 14:38:07	✓
- Error List:** This section has a red box around the 'Error List' tab. It includes a 'Log Period' dropdown set to 'Keep 15 Days'. Below is a table of error entries:

Device Name	Group Name	Timestamp	ErrorStatus
Optoma.xxx	全部	7/7/2023 12:17:28 PM	
10.5.12.74	全部	7/10/2023 11:49:11 AM	
10.5.12.74	全部	7/10/2023 12:38:27 PM	

Both sections have an 'Export log' button with a yellow arrow pointing to it.

Select the location where you want to save the file, and then enter the file name and click **Save**.



Chapter10 Troubleshooting

1. Adding device is unsuccessful

Wrong IP

Read device IP address from OSD.

- Press [Menu] key from device panel to open OSD.
- Select [Network] -> [LAN].
- Read [IP Address]

Make sure all columns have been filled with a valid IP address.

IP Address Does not exist.

This occurs when your device did not respond to PING packet.

Make sure it is a valid IP address.

Check to see if there is a firewall intercepting or blocking PING packets between your PC/Laptop and the device.

2. Response from device not recognized

This occurs when your device did not respond to a communication request on TCP port 23.

Make sure [Telnet] function has been enabled.

- Press [Menu] key from device panel to open OSD.
- Select [Network] -> [Control].
- Select [Telnet] and make sure the option is [On].

3. Cannot connect to the device

This occurs when your device does not respond to control codes correctly.

Make sure your device is not connected or operated by any other software.

Change device IP address to a new one to prevent the accidental interruption of communications by any unknown software.

- Press [Menu] key from device panel to open OSD.
- Select [Network] -> [LAN].
- Select [DHCP] and change the option to [OFF].
- Select [IP Address] and change it to a new one.

Note: The path to query IP and network settings will vary depending on product types. It is recommended that you determine or obtain the correct path through the user manual for each model.

Chapter11 Q&A

1. Device status does not update immediately

Status polling period: every 12 seconds.

If a devices status could not be updated in this period, it will have to wait 6~12 seconds to fetch (obtain) the latest status again.

2. Scheduled job(s) were not triggered

After you add/modify a job, you must close the list window in order to save it.

Make sure application is running/open.

3. Can I use other telnet control tools at the same time

No, please do not use any other telnet control tools when using OMS tool.

4. PJLink Monitoring and Control Limitations

The following features are not available when you monitor or control the projector using the PJLink.

- Automatic search (PJLink class1 projectors)
- Switches the projector's input source
- Message Broadcasting

