



## **D230 Server Version**

# Software Quick Start Guide

English

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# 1 Introduction

Feature detection is one of the key features of the D230; the advertisement changes immediately once the target audience is detected. The target audience can be divided by age and gender.

The D230 device works with the website of D230 server, which can create advertising content, including scrolling text, pictures, and videos. Content can be scheduled and played on the D230 device.

The D230 Tool is a mobile App that is used to initialize the D230 device network. It runs on Android 7.x and iOS 11.x or higher as provided by the manufacturer.




D230 Tool icon

## 2 Setting the environment

### 2.1 System software activation

Enter the server IP in the URL field of your browser to access the Shuttle software activation service system.

 It is not allowed to install a server on a virtual machine, since the product key is bundled with the ID of the hardware equipment.



## Steps


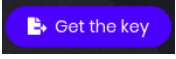
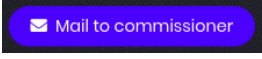
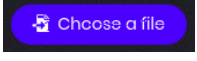
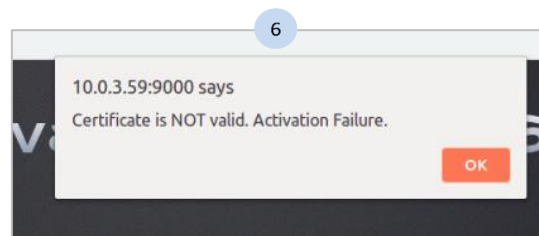
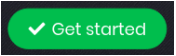
1. Click on the  icon to switch language, if required.
2. Press the  button to get the activation key.
3. Press the  button to send the activation key to the services commissioner.
4. Upon reception of the certificate from the commissioner, click on the  button on the system page to select the certificate file for verification.

Table 1 Supported Languages of the Shuttle Software Activation Service System

English (en-US)	繁體中文
-----------------	------



## Steps

5. Once the certificate is verified, the software is successfully activated, please then press the  button to start using the software.
6. If credentials are invalid, the software cannot be activated, please contact a service specialist.

## 2.2 Network settings

The D230 device is in AP mode before the initialization process starts. The D230 Tool connects to the local area network of the D230 device, it will change to default mode once the network settings are done. Once the network settings are done, the D230 will be activated.

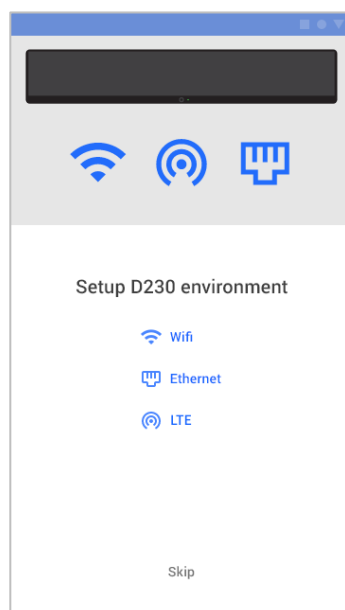
### 2.2.1 Preparation

Please connect your mobile phone's Wi-Fi to the AP (Ex: AP12345, please check your own AP) before launching the D230 Tool.

### 2.2.2 D230 device network settings

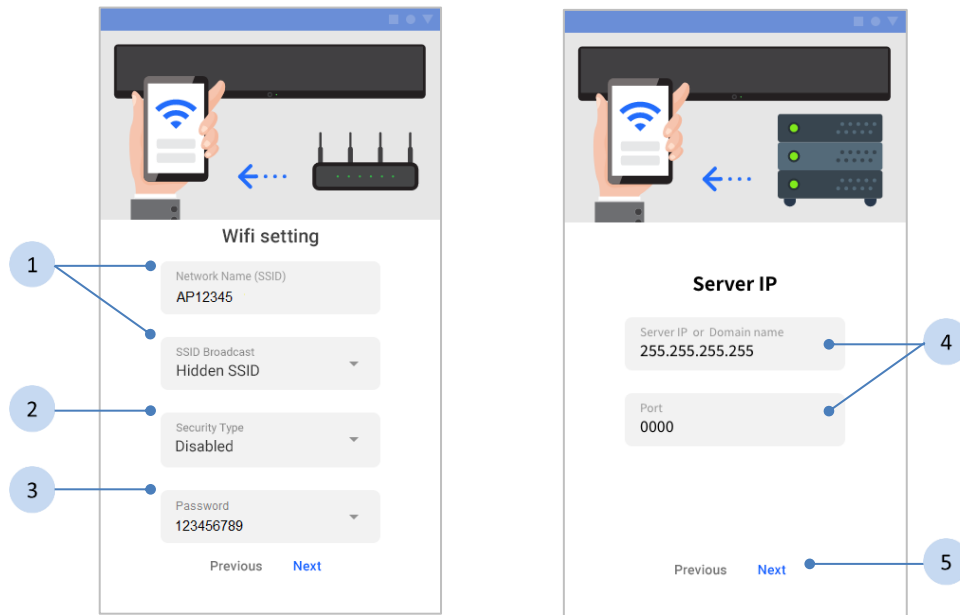
#### Steps

1. Download the D230 Tool.
2. Tap the screen to start the settings on the D230 Tool.
3. Choose the type of network you want the D230 device to connect to.
4. Tap "Skip" not to set a network connection.






## Wi-Fi settings

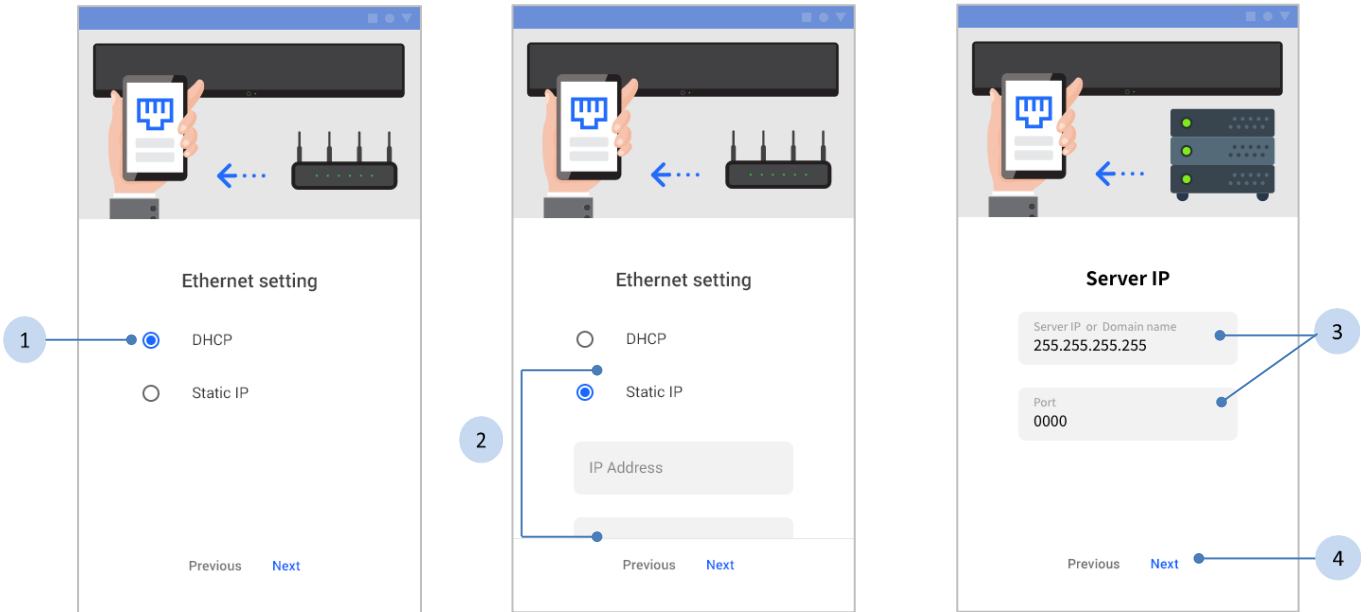


### Steps

1. Please select the Network Name (SSID) of the D230 (Example: AP12345, please check your own AP), and choose whether the SSID should be hidden or public.
2. Select the security type, WEP/WPA or disabled (Example: WPA).
3. Enter the password of the AP (Example: 1234567890, please check your own password). If the security type is set to “Disabled”, you will not need to enter a password.
4. Enter the server IP or the domain name and the port to set the IP of D230 the server.
5. Tap “Next” to finish the Wi-Fi settings.

 WPA is recommended for better security and transmission efficiency.

## Ethernet settings



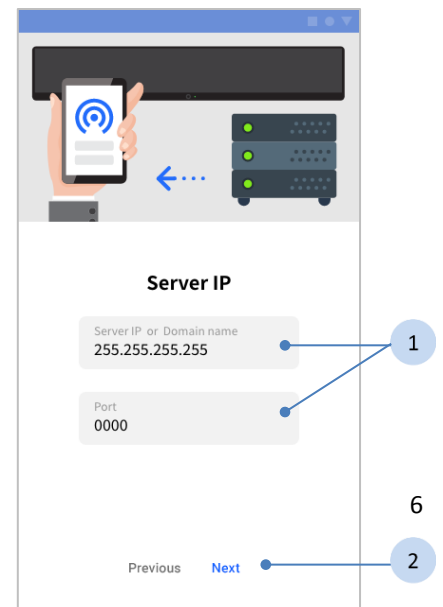
### Steps

1. If you choose DHCP, the network connection information will automatically be retrieved.
2. If you choose Static IP, the following information needs to be entered manually.
  - ◆ IP address (**Required**)
  - ◆ Net mask (**Required**)
  - ◆ Gateway (**Required**)
  - ◆ DNS1 (Optional)
  - ◆ DNS2 (Optional)
3. Enter the server IP or the domain name and the port to set the IP of the D230 server.
4. Tap “Next” to finish the Ethernet settings.

## LTE settings

### Steps

1. Enter the server IP or the domain name and the port to set the IP of the D230 server.
2. Tap “Next” to finish the LTE settings.



## 2.2.3 Connecting a mobile phone to the D230 device

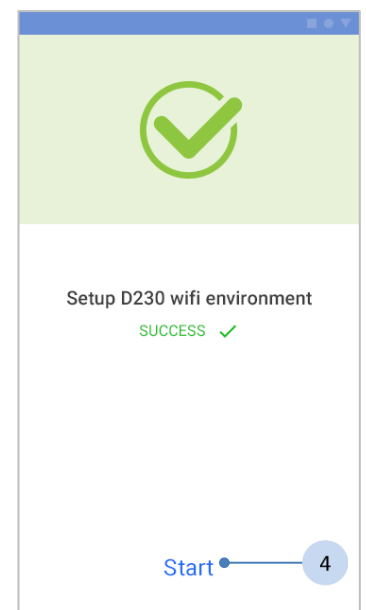
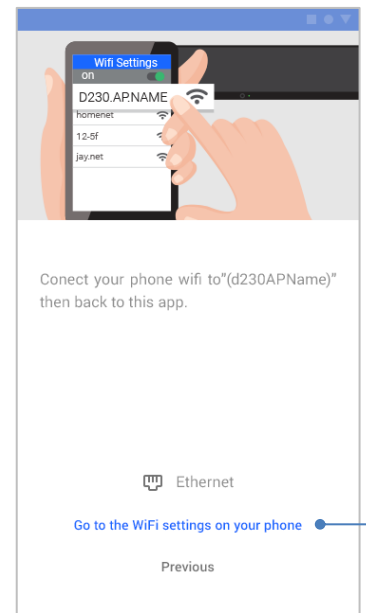
### Steps

1. Tap “Go to the Wi-Fi settings on your phone” on the D230 Tool.
2. In the Wi-Fi settings of your mobile phone, please select the relevant network you want to connect the D230 device to.

### Default Information when connecting to D230

#### device:

- ◆ Network name (SSID): D230@XXXXX (The serial number of the D230 device is on the back of the device. The last 5 digits are part of the SSID. For example, if the S/N is D230001001J24F56789, the default SSID then is "D230\_56789".)
  - ◆ Security Mode : WPA2
  - ◆ Password : 12345678
3. Once the D230 device is connected, please go back to the D230 Tool.
  4. Tap “start” to complete the D230 device Wi-Fi settings (SSID: AP12345) and the mobile device to disconnect from the D230 device (SSID: D230\_XXXXX).
  5. Make sure your mobile and D230 device are connected to the same Wi-Fi (SSID: AP12345).



## Icon in the D230 initialization








- ◆ AP mode - The D230 is in AP mode before the initialization process starts. The AP mode icon  is displayed on the device screen.
- ◆ Default mode - The D230 will change to default mode once the network settings are done, and no longer show the AP mode icon.
  - Connected - When the device is connected to the Server, no icon will be displayed on the screen.
  - Disconnected - When the device is disconnected from the Server, the Disconnected icon  is displayed.
  - Approval pending - When the Device approval is pending, the approval pending icon  is displayed.

Table 2 Device status




Icon		AP mode
		Disconnected
		Approval pending

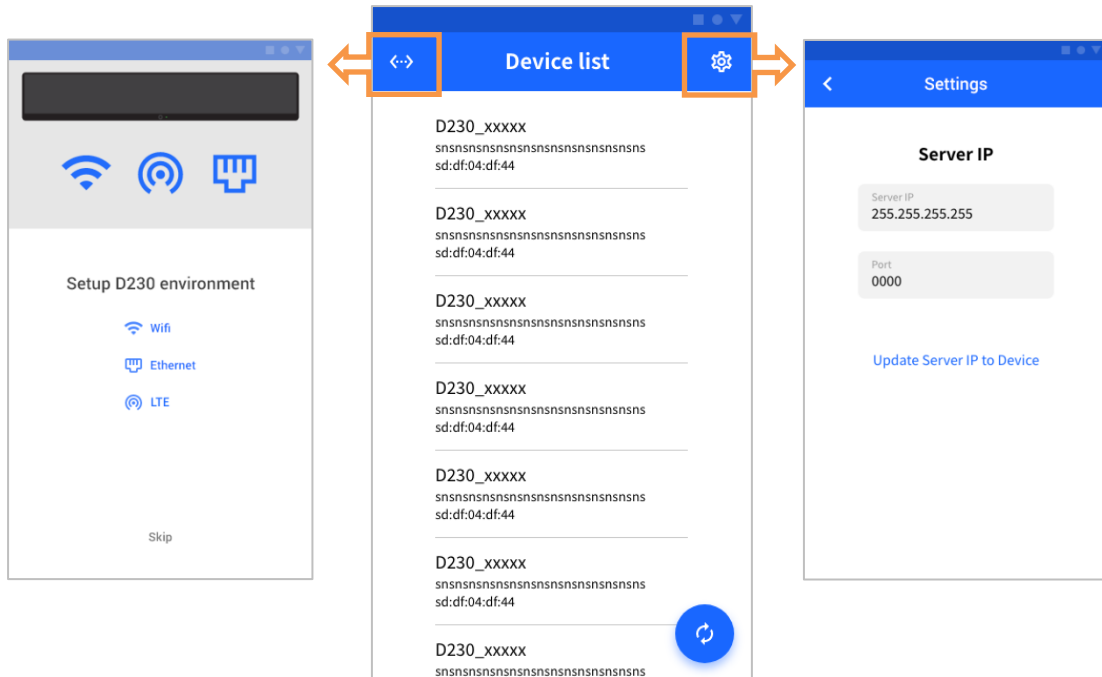



 If the network cannot be set, please check the status of your Wi-Fi router, reset the D230 device and connect again. Please refer to chapter “4.3 D230 factory reset”.

## 2.2.4 Device list

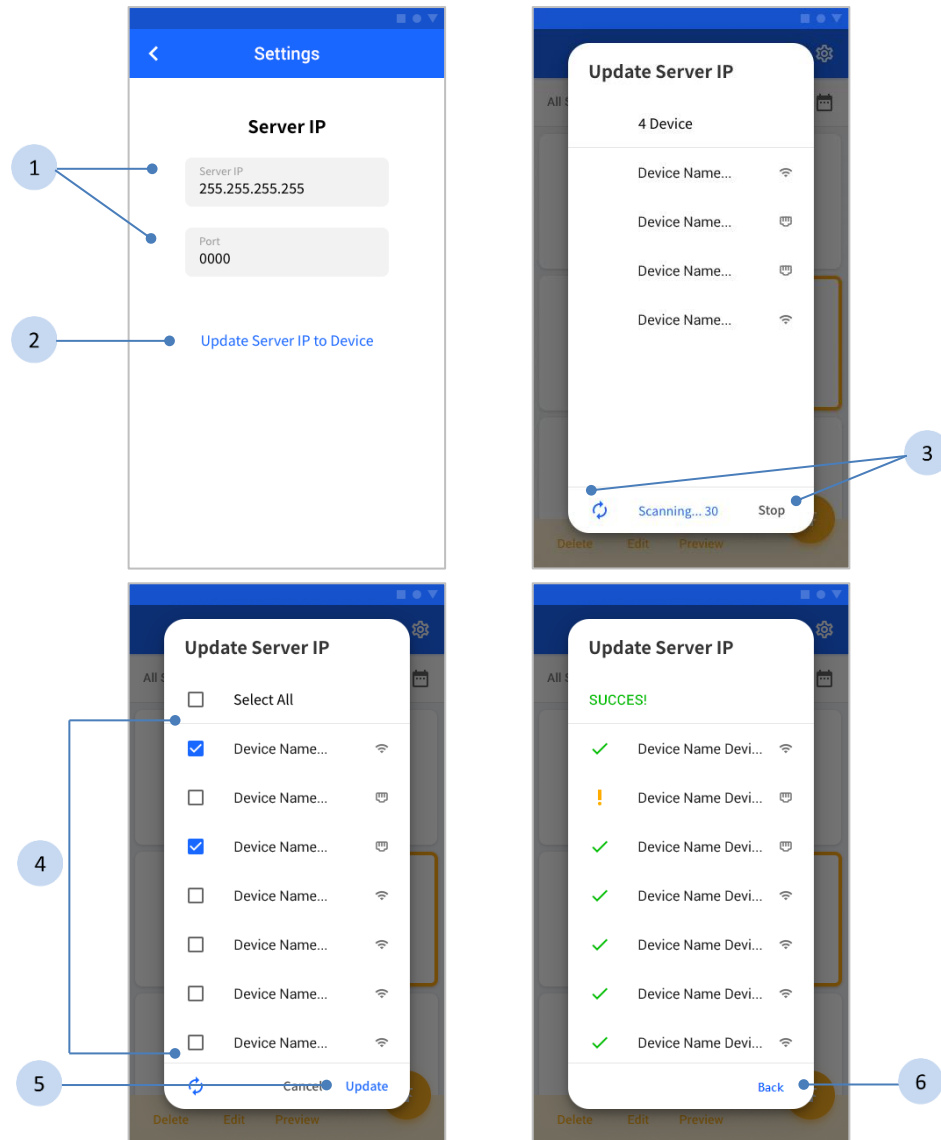
When the network settings are completed, the D230 Tool will list all the devices that have been set.

-  Setting up a new device.
-  Setting the IP of the D230 server.
-  Refresh device list.




 The ports used by server and devices to transmit data are 21 and 65001-65010. If the server and devices have firewall restrictions, please be sure to open the above ports for use.

## 2.2.5 Updating Server the IP



### Steps

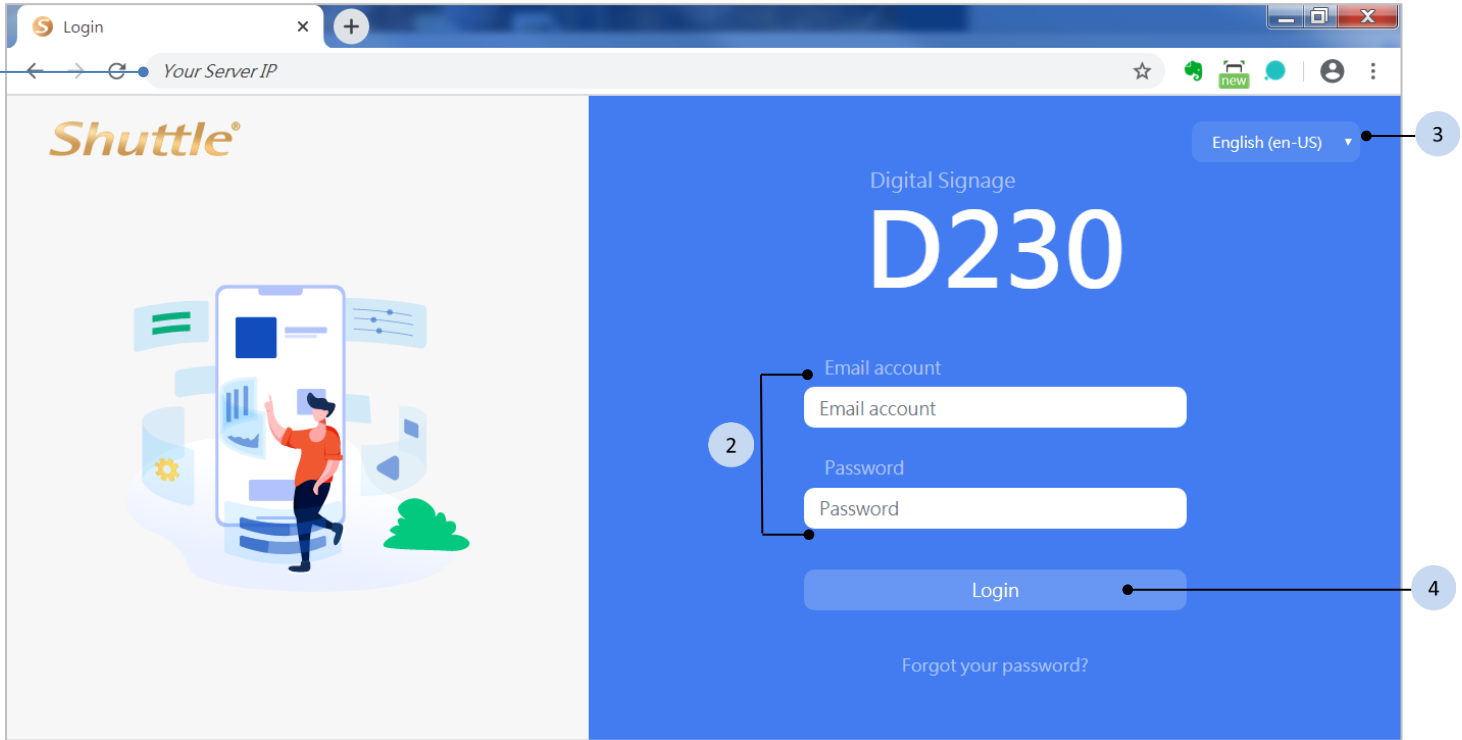
1. Enter the server IP or the domain name and the port to set the IP of the D230 server.
2. Tap "Update Server to Device".
3. The app will scan for devices for 30s and then list the results. You can tap the  button to rescan or stop scanning by pressing the "Stop" button.
4. Select the device you want to update from the list.
5. Tap the "Update" button.

After listing the update results, tap the "Back" button to end the update.

# 3 The Website

The best resolution is 1366 x 768 pixels.

## 3.1 Logging in to the website



Login page

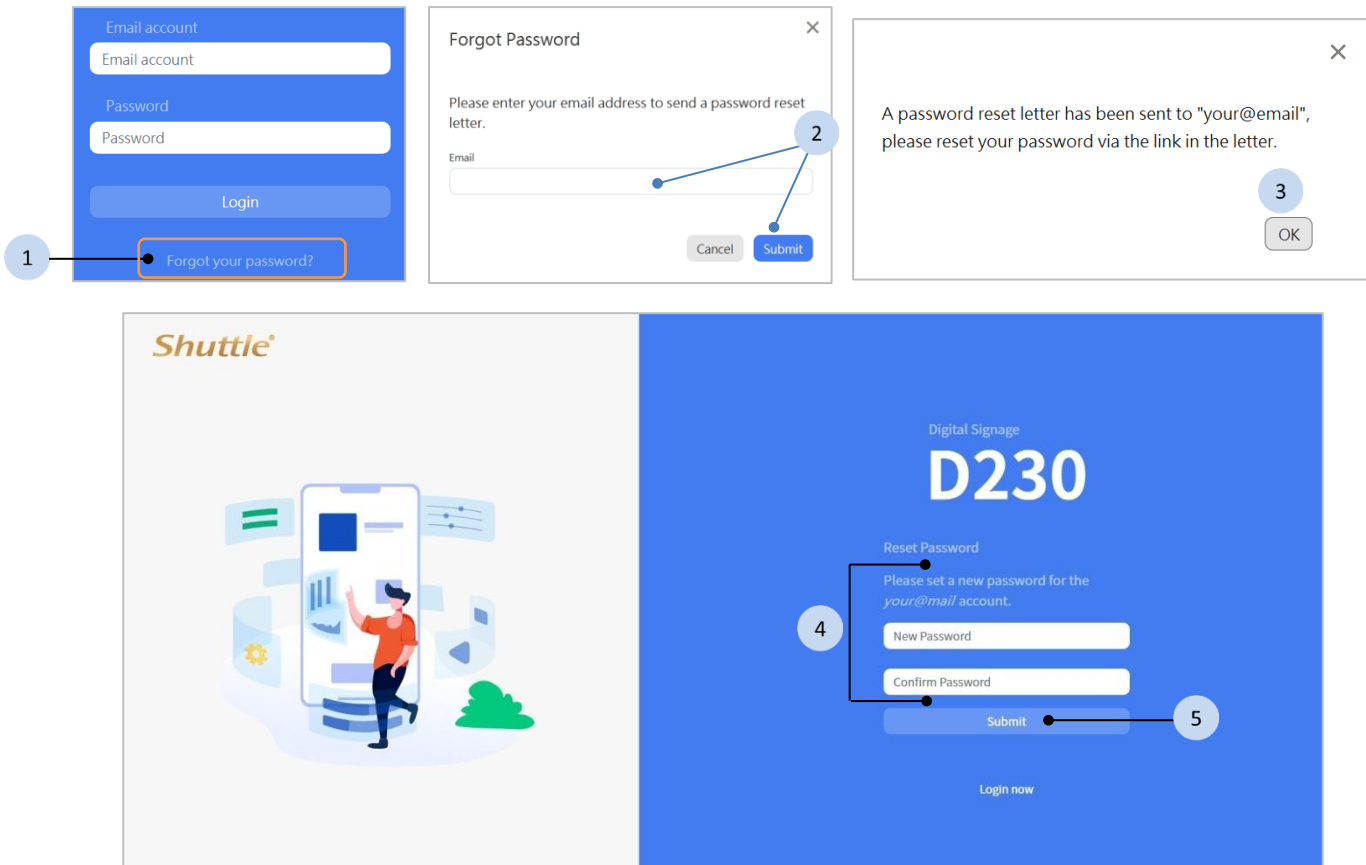
### Steps

1. Open a browser and enter the server IP, port 8000 (for example, *192.168.1.1:8000*) in the URL field to access the website.
2. Enter the Email account and password.
3. Select the language.
4. Click on the **Login** button to log in to the website.

Table 3 Website Supported Languages

English (en-US)	Français
繁體中文	Deutsche
简体中文	日本語
Español	Русский

### 3.1.1 Resetting the password

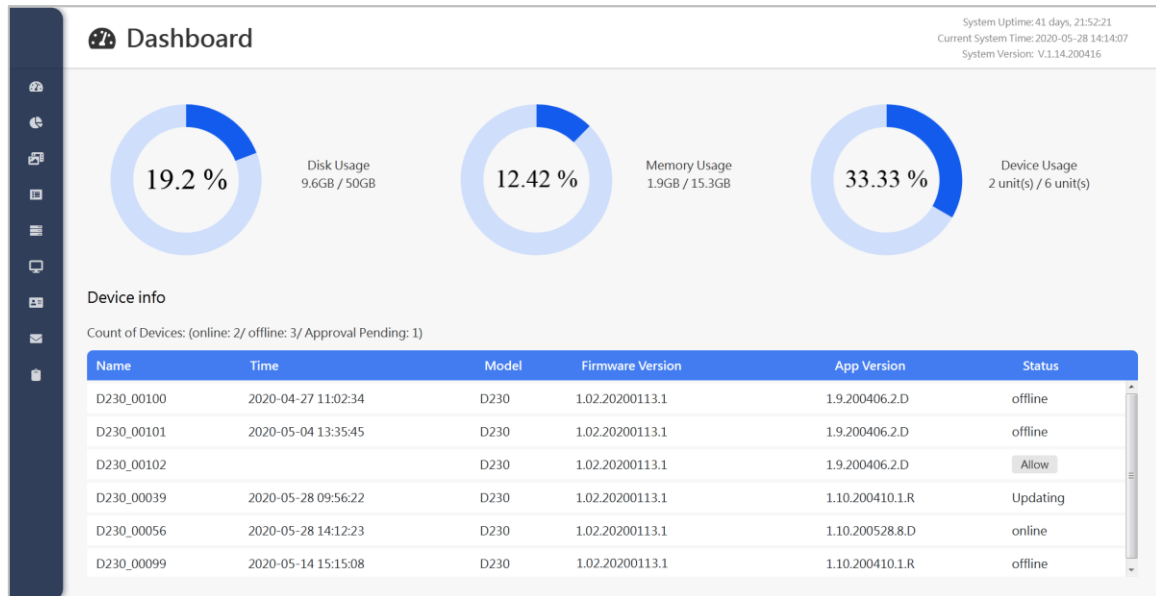


#### Steps

1. Click one the “Forgot your password?” button on the login page.
2. Enter your email address, and tap the **Submit** button.
3. After clicking on the **OK** button, an email will be sent with a link to reset the password. Please click on the link.
4. Enter a new password and confirm the password, then tap the **Submit** button to reset the password.
5. After resetting the password, you can click on “Login now” to login.



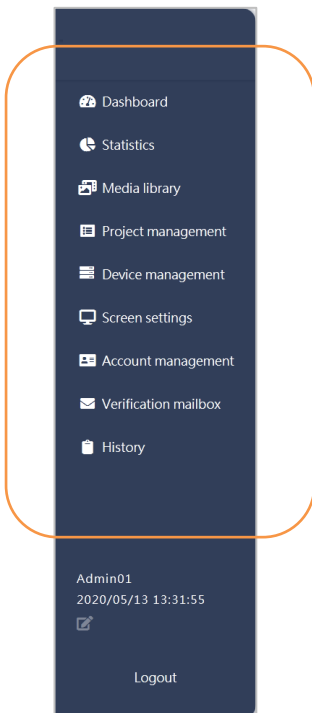
## 3.2 Web page after login



After logging in, you can see the sidebar on the left and the dashboard on the right.

## 3.3 Sidebar

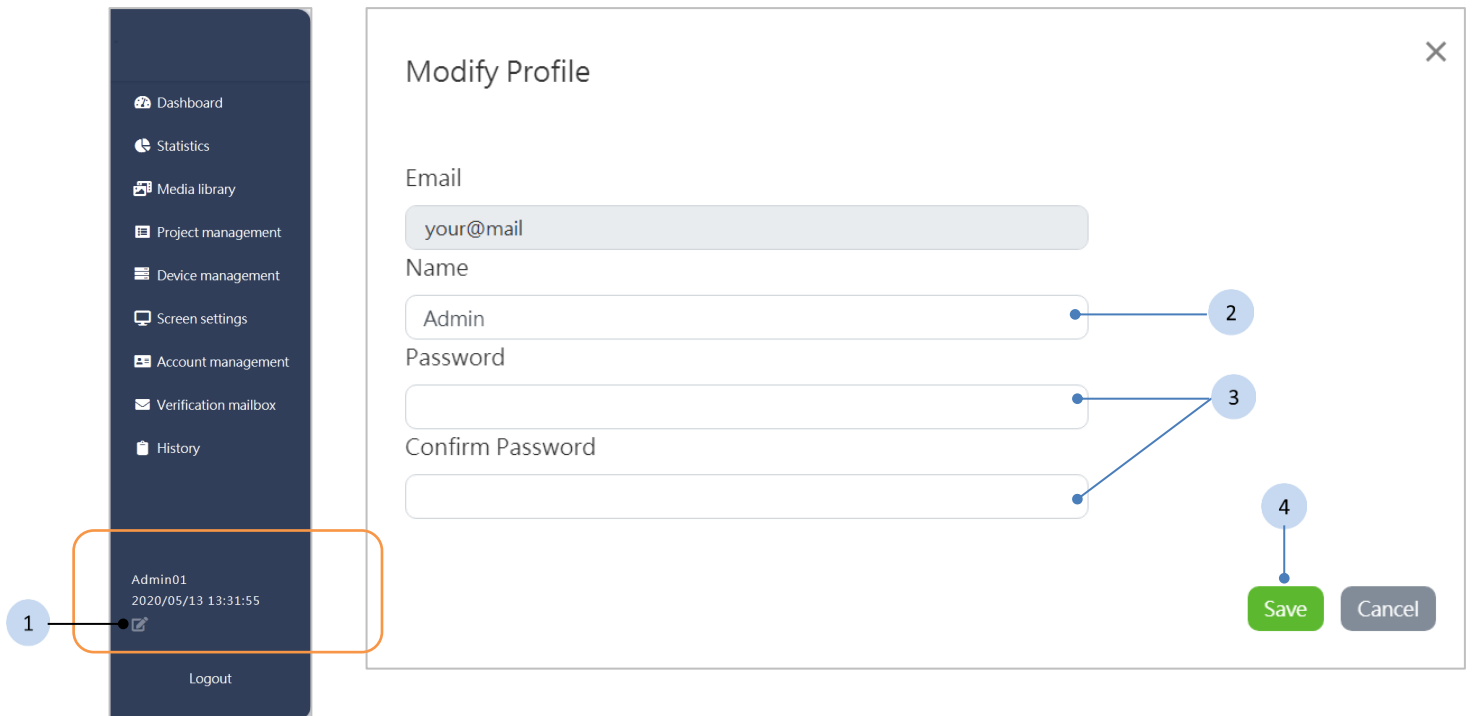
### 3.3.1 Menu



Chapters In This Quick Guide	
	3.4 Dashboard
	3.5 Statistics
	3.6 Media Library
	3.7 Project Management
	3.8 Device Management
	3.9 Screen Settings
	3.10 Account Management
	3.11 Verification Mailbox
	3.12 History



Move the mouse over the sidebar and the full size will expand. You can switch each function by clicking on the sidebar menu, and the following sections will describe these features.

### 3.3.2 Logging in to an account

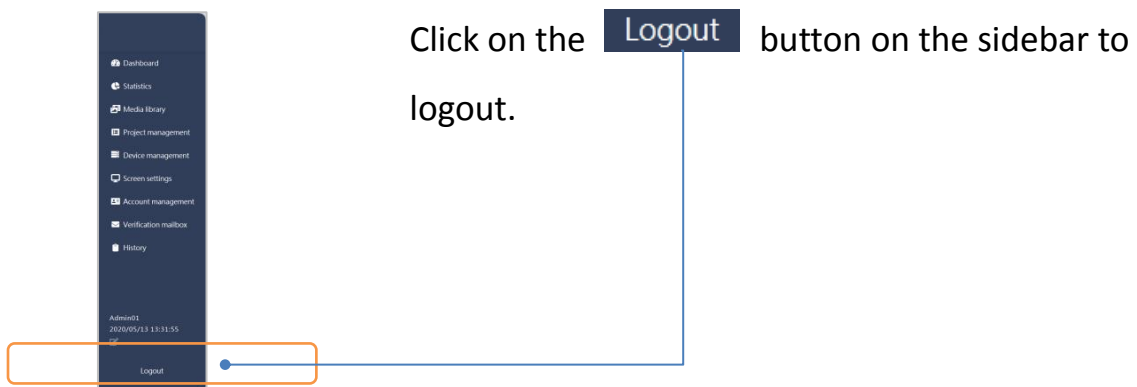


The login account and login time are displayed below the sidebar. You can edit the name and password via “Modify Profile”.

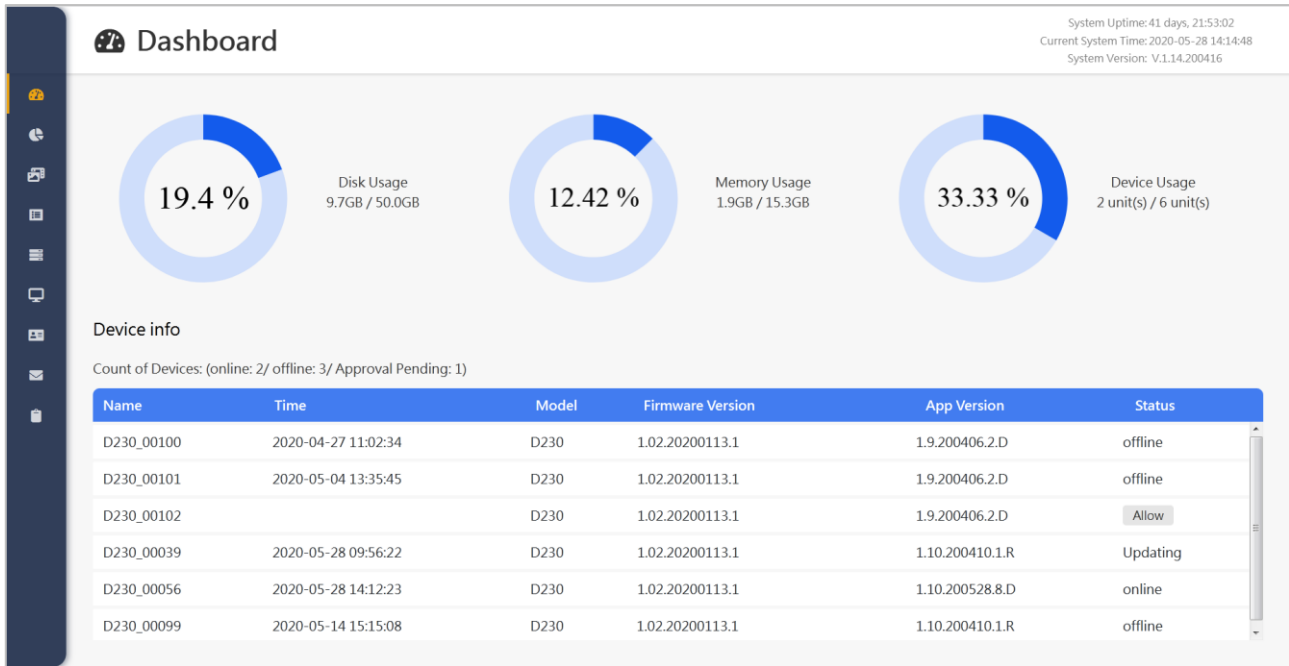
#### Steps

1. Click on the  button on the sidebar.
2. Edit your user name, if required.
3. Edit your password, if required and confirm.
4. Click on the  button to save and finish.

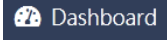
### 3.3.3 Logging out



## 3.4 Dashboard



### Steps

- 1 Click on the  button on the sidebar, so that the Dashboard displays on the right.

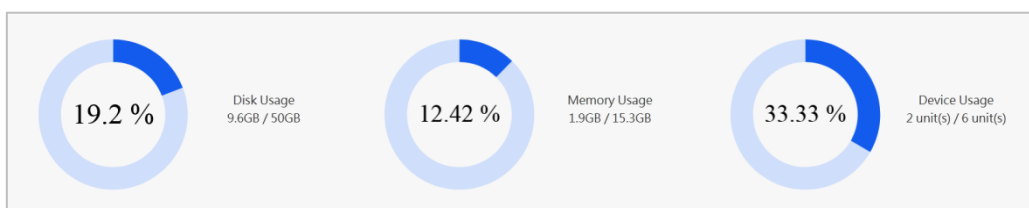
### 3.4.1 System info



You can get the following system information on the top right of the dashboard.

- ◆ System uptime
- ◆ Current system time
- ◆ System version

### 3.4.2 Usage info



You can get the following usage information at the top of the dashboard.

- ◆ System disk usage(Disk usage/Disk storage)
- ◆ System memory usage(Memory usage/Memory capacity)
- ◆ Device usage(Connected device/Amount of devices)

### 3.4.3 Device info

Device infoCount of Devices: (online: 1/ offline: 4/ Approval Pending: 1)

Name	Time	Model	Firmware Version	App Version	Status
D230_00100	2020-04-27 11:02:34	D230	1.02.20200113.1	1.9.200406.2.D	offline
D230_00101	2020-05-04 13:35:45	D230	1.02.20200113.1	1.9.200406.2.D	online
D230_00102		D230	1.02.20200113.1	1.9.200406.2.D	Allow
D230_00039	2020-05-14 13:43:09	D230	1.02.20200113.1	1.10.200410.1.R	offline
D230_00056	2020-05-18 13:24:07	D230	1.02.20200113.1	1.10.200505.3.D	offline
D230_00099	2020-05-14 15:15:08	D230	D230_1.01.20200225.1	1.10.200410.1.R	offline


You can get the following device information on the dashboard.


### Count of Devices

- ◆ *Online*: Amount of online device(s).
- ◆ *Offline*: Amount of offline device(s).
- ◆ *Approval Pending*: Approval Pending device(s).

### Device list

- ◆ *Name*: Device name.
- ◆ *Time*: Date of the last update or upgrade of the device.
- ◆ *Model*: Device model.
- ◆ *Firmware Version*: Firmware version of device.
- ◆ *App version*: App version of device.
- ◆ *Status*: Status of device.

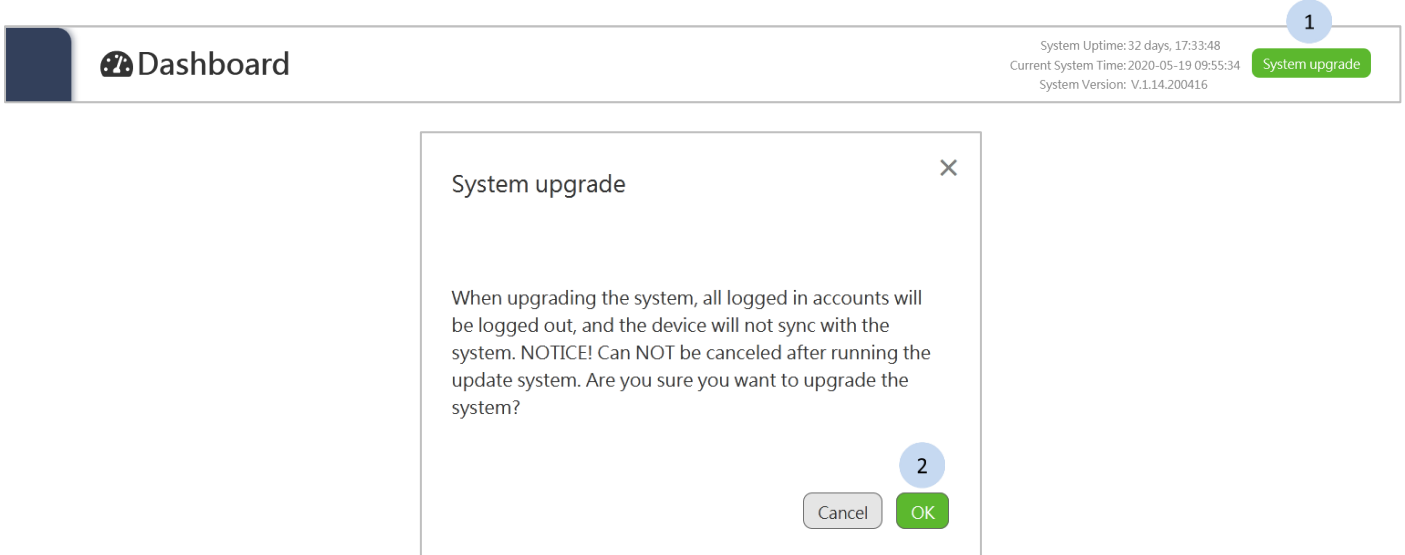
Device status	
<i>Online</i>	Device is online.
<i>Offline</i>	Device is offline.
<i>Allow</i>	Device approval is pending. You can click on the  button to allow the device.
<i>Upgrading</i>	Device image or APK is being upgraded.
<i>Updating</i>	Device is updating content.

 A device with approval pending cannot synchronize information with the system.



## 3.4.4 Upgrade

### Upgrading the system


When a new system version is available for update, the upgrade button will be displayed in the top right corner of the dashboard. Press to perform to upgrade.



### Steps

1. Click  button.
2. Click  button to confirm the upgrade.

 When upgrading the system, all logged in accounts will be logged out.

 When upgrading the firmware, the device will not sync with the system.

## Upgrading of device firmware

When a new firmware version of device is available for update, the upgrade button will be displayed in the top of the device info list of the dashboard. Press to perform to upgrade.



### Steps

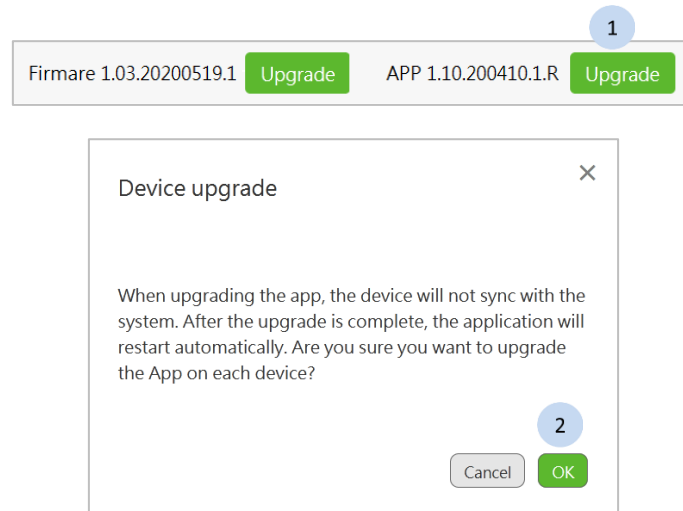
1. Click on the **Upgrade** button.
2. Click on the **OK** button to confirm the upgrade.

**⚠** When upgrading the firmware, the device will not sync with the system.



**⚠** After the firmware upgrade is completed, the device will automatically restart, and the restart process will take about 5 minutes.

## Upgrading of device App


When a new App version of device is available for update, the upgrade button will be displayed in the top of the device info list of the dashboard. Press to perform to upgrade.



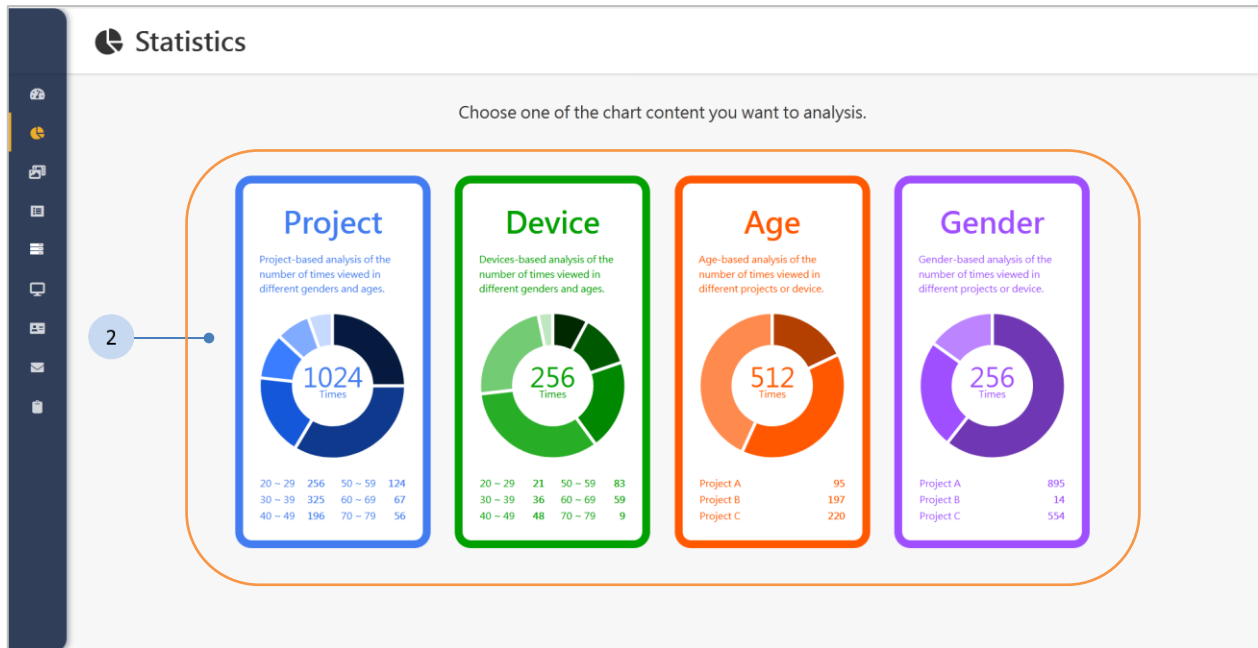
### Steps

1. Click on the  button.
2. Click on the  button to confirm the upgrade.


 When upgrading the device App, the device will not sync with the system.

 Once the upgrade of the device App is completed, the device will automatically restart.

## 3.5 Statistics



### Steps

- 1 Click one the  button on the sidebar and the statistics page will display on the right.
- 2 Choose one of the charts you want to analyze.
  - ◆ Project: Project-based analysis of the number of times viewed from different genders and ages.
  - ◆ Device: Device-based analysis of the number of times viewed from different genders and ages.
  - ◆ Age: Age-based analysis of the number of times different projects or devices are viewed.
  - ◆ Gender: Gender-based analysis of the number of times different projects or devices are viewed.




## 3.5.1 Projects

**1**

### Project

Project-based analysis of the number of times viewed in different genders and ages.



**1024**  
Times

20 ~ 29	<b>256</b>	50 ~ 59	<b>124</b>
30 ~ 39	<b>325</b>	60 ~ 69	<b>67</b>
40 ~ 49	<b>196</b>	70 ~ 79	<b>56</b>

**2**

#### Select Project

Please select a minimum of 1 projects, up to a maximum of 5.

Layout:  Landscape  Left 90°  Right 90°

Search:

Name	Layout	Time	List of devices that have applied this project.	Status
<input type="checkbox"/> Project00	Landscape Full screen	2020/04/17/ 11:19:41	['D230_00100']	
<input type="checkbox"/> Project01	Landscape Full screen	2020/04/17/ 13:32:33	['D230_00039']	
<input type="checkbox"/> Project02	Landscape Full screen	2020/04/17/ 15:26:46	[]	
<input type="checkbox"/> Project03	Landscape 2 Divisions	2020/04/21/ 16:37:52	[]	Deleted
<input type="checkbox"/> Project04	Landscape 2 Divisions	2020/04/21/ 16:55:50	[]	
<input type="checkbox"/> play_now	Landscape Full	2020/04/22/ .....	['D230_00102']	

0 projects selected

**3** Cancel Next

**4**

#### Generate an analysis table

Analysis table name:

File-export will use this name as the file name

Name:

Date range

Please select the date range, the maximum interval is 6 months.

Start date:  - End date:


**5** Cancel Previous Start analysis

**6**

#### Statistics

	Under 5 years old	5-9 years	10-14 years	15-19 years	20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	45-49 years	50-54 years	55-59 years	60-64 years	65-69 years	70-74 years	75-79 years	80-84 years	85-89 years	90-94 years	95-99 years	100 years old or older
APPFavourite_Test_84	0	22	34	34	38	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPFavourite_Test_139	0	0	25	27	18	6	5	5	2	3	0	0	0	0	0	0	0	0	0	0	0

### Steps

- 1 Click on the  button to start a project analysis.
- 2 Select a minimum of 1 project, up to a maximum of 5.
- 3 Click on the Next button to analyze data.
- 4 Enter the table name and select a period of time.
- 5 Click on the Start analysis button to start analysis.
- 6 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis Result” for the details of the table.

## 3.5.2 Devices

**Device**  
Devices-based analysis of the number of times viewed in different genders and ages.

256 Times

20 ~ 29	21	50 ~ 59	83
30 ~ 39	36	60 ~ 69	59
40 ~ 49	48	70 ~ 79	9

Select Device

Please select a minimum of 1 devices, up to a maximum of 5.

List View Group View Search:

Name	Serial Number	Type	Version	Current Status
<input type="checkbox"/> D230_00100	D230001001J24F16999	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00101	D230001001J24F16888	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00102	D230001001J24F16777	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00039	D230001001J24F00039	D230	1.11.200528.1.R	offline
<input type="checkbox"/> D230_00056	D230001001J24F00056	D230	1.11.200528.1.R	online
<input type="checkbox"/> D230_00099	D230000001J43C00099	D230	1.10.200410.1.R	offline

0 devices selected

Cancel Next

Generate an analysis table

Analysis table name:  
File-export will use this name as the file name

Name:

Date range  
Please select the date range, the maximum interval is 6 months.



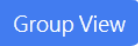

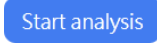
Start date:  End date:

Cancel Previous Start analysis

Statistics

Age	Gender	Under 5 years	5-10 years	10-15 years	15-20 years	20-25 years	25-30 years	30-35 years	35-40 years	40-45 years	45-50 years	50-55 years	55-60 years	60-65 years	65-70 years	70-75 years	75-79 years	80-85 years	85-89 years	90-95 years	100 years old or older
Total	all	0	22	34	34	38	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C020,00006	84	0	22	34	34	38	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C020,00008	126	0	31	21	27	38	8	9	9	2	0	0	0	0	0	0	0	0	0	0	0

### Steps

- 1 Click one the  button to start a device analysis.
- 2 Click one the   button to toggle the device view.
- 3 Select a minimum of 1 device, up to a maximum of 5.
- 4 Click one the  button to analyze data.
- 5 Enter the table name and select a period of time.
- 6 Click one the  button to start the analysis.
- 7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis” for details of the table.

## 3.5.3 Age

### Analyze age by project.

1

2

3

4



Name	Layout	Time	List of devices that have applied this project.	Status
<input type="checkbox"/> Project00	Landscape Full screen	2020/04/17/ 11:19:41	['D230_00100']	
<input type="checkbox"/> Project01	Landscape Full screen	2020/04/17/ 13:32:33	['D230_00039']	
<input type="checkbox"/> Project02	Landscape Full screen	2020/04/17/ 15:26:46	[]	
<input type="checkbox"/> Project03	Landscape 2 Divisions	2020/04/21/ 16:37:52	[]	Deleted
<input type="checkbox"/> Project04	Landscape 2 Divisions	2020/04/21/ 16:55:50	[]	
<input type="checkbox"/> play_now	Landscape Full	2020/04/22/	['D230_00102']	

5

6

7

### Steps

- 1 Click on the  button to start an age analysis.
- 2 Click on the  button.
- 3 Select a minimum of 1 project, up to a maximum of 5.
- 4 Click on the **New** button to analysis data.
- 5 Enter the table name and select date range.
- 6 Click on the **Start analysis** button to start analysis.
- 7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis” for details of the table.

## Analyze age by device.

**1** Age  
Age-based analysis of the number of times viewed in different projects or device.  
512 Times  
Project A 95  
Project B 197  
Project C 220

**2** Analysis by project.  
Analysis by device.

**3** Select Device  
Please select a minimum of 1 devices, up to a maximum of 5.  
List View Group View  
Search:



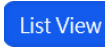

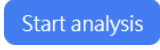
Name	Serial Number	Type	Version	Current Status
<input type="checkbox"/> D230_00100	D230001001J24F16999	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00101	D230001001J24F16888	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00102	D230001001J24F16777	D230	1.9.200406.2.D	offline
<input type="checkbox"/> D230_00039	D230001001J24F00039	D230	1.11.200528.1.R	offline
<input type="checkbox"/> D230_00056	D230001001J24F00056	D230	1.11.200528.1.R	online
<input type="checkbox"/> D230_00099	D230000001J43C00099	D230	1.10.200410.1.R	offline

0 devices selected  
Cancel Next

**6** Generate an analysis table  
Analysis table name:  
File-export will use this name as the file name.  
Name:   
Date range  
Please select the date range, the maximum interval is 6 months.  
Start date:  End date:   
Cancel Previous Start analysis

**8** Statistics  
Table with columns: User, Total, D230\_00000, D230\_00001, D230\_00002, D230\_00003, D230\_00004, D230\_00005, D230\_00006, D230\_00007, D230\_00008, D230\_00009, D230\_00010, D230\_00011, D230\_00012, D230\_00013, D230\_00014, D230\_00015, D230\_00016, D230\_00017, D230\_00018, D230\_00019, D230\_00020, D230\_00021, D230\_00022, D230\_00023, D230\_00024, D230\_00025, D230\_00026, D230\_00027, D230\_00028, D230\_00029, D230\_00030, D230\_00031, D230\_00032, D230\_00033, D230\_00034, D230\_00035, D230\_00036, D230\_00037, D230\_00038, D230\_00039, D230\_00040, D230\_00041, D230\_00042, D230\_00043, D230\_00044, D230\_00045, D230\_00046, D230\_00047, D230\_00048, D230\_00049, D230\_00050, D230\_00051, D230\_00052, D230\_00053, D230\_00054, D230\_00055, D230\_00056, D230\_00057, D230\_00058, D230\_00059, D230\_00060, D230\_00061, D230\_00062, D230\_00063, D230\_00064, D230\_00065, D230\_00066, D230\_00067, D230\_00068, D230\_00069, D230\_00070, D230\_00071, D230\_00072, D230\_00073, D230\_00074, D230\_00075, D230\_00076, D230\_00077, D230\_00078, D230\_00079, D230\_00080, D230\_00081, D230\_00082, D230\_00083, D230\_00084, D230\_00085, D230\_00086, D230\_00087, D230\_00088, D230\_00089, D230\_00090, D230\_00091, D230\_00092, D230\_00093, D230\_00094, D230\_00095, D230\_00096, D230\_00097, D230\_00098, D230\_00099, D230\_00100.

## Steps

- 1 Click on the  button to start an age analysis.
- 2 Click on the  button.
- 3 Click on the  button to toggle the view of the device.
- 4 Select a minimum of 1 device, up to a maximum of 5.
- 5 Click on the  button to analyze the data.
- 6 Enter the table name and select a period of time.
- 7 Click on the  button to start the analysis.
- 8 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

## 3.5.4 Gender

Analyze gender by project.

1

Gender

Gender-based analysis of the number of times viewed in different projects or device.

256 Times

Project A 895  
Project B 14  
Project C 554

2

Analysis by project

Analysis by device

3

Select Project

Please select a minimum of 1 projects, up to a maximum of 5.

Layout:  Landscape  Left 90°  Right 90°

Search:

Name	Layout	Time	List of devices that have applied this project.	Status
<input type="checkbox"/> Project00	Landscape Full screen	2020/04/17/ 11:19:41	['D230_00100']	
<input type="checkbox"/> Project01	Landscape Full screen	2020/04/17/ 13:32:33	['D230_00039']	
<input type="checkbox"/> Project02	Landscape Full screen	2020/04/17/ 15:26:46	[]	
<input type="checkbox"/> Project03	Landscape 2 Divisions	2020/04/21/ 16:37:52	[]	Deleted
<input type="checkbox"/> Project04	Landscape 2 Divisions	2020/04/21/ 16:55:50	[]	
<input type="checkbox"/> play_now	Landscape Full	2020/04/22/	['D230_00102']	

0 projects selected

4

Cancel Next

5

Generate an analysis table

Analysis table name:  
File-export will use this name as the file name.

Name:

Date range  
Please select the date range, the maximum interval is 6 months.

Start date:  End date:

6

Cancel Previous Start analysis

7



Statistics

Total	APPProject_Test	APPProject_Test
Total: 14	14	14
Male: 14	14	14
Female: 0	0	0

80

100

### Steps

- 1 Click on the  button to start a gender analysis.
- 2 Click on the  button.
- 3 Select a minimum of 1 project, up to a maximum of 5.
- 4 Click on the **Next** button to analyze the data.
- 5 Enter the table name and select a period of time.
- 6 Click on the **Start analysis** button to start the analysis.
- 7 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis” for details of the table.

## Analyze gender by device.

**1** Gender-based analysis of the number of times viewed in different projects or device.

**2** Analysis by project.

**3** List View Group View

**4**

Name	Serial Number	Type	Version	Current Status
D230_00100	D230001001J24F16999	D230	1.9.200406.2.D	offline
D230_00101	D230001001J24F16888	D230	1.9.200406.2.D	offline
D230_00102	D230001001J24F16777	D230	1.9.200406.2.D	offline
D230_00039	D230001001J24F00039	D230	1.11.200528.1.R	offline
D230_00056	D230001001J24F00056	D230	1.11.200528.1.R	online
D230_00099	D230000001J43C00099	D230	1.10.200410.1.R	offline






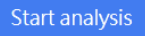
**5** Cancel Next

**6** Generate an analysis table

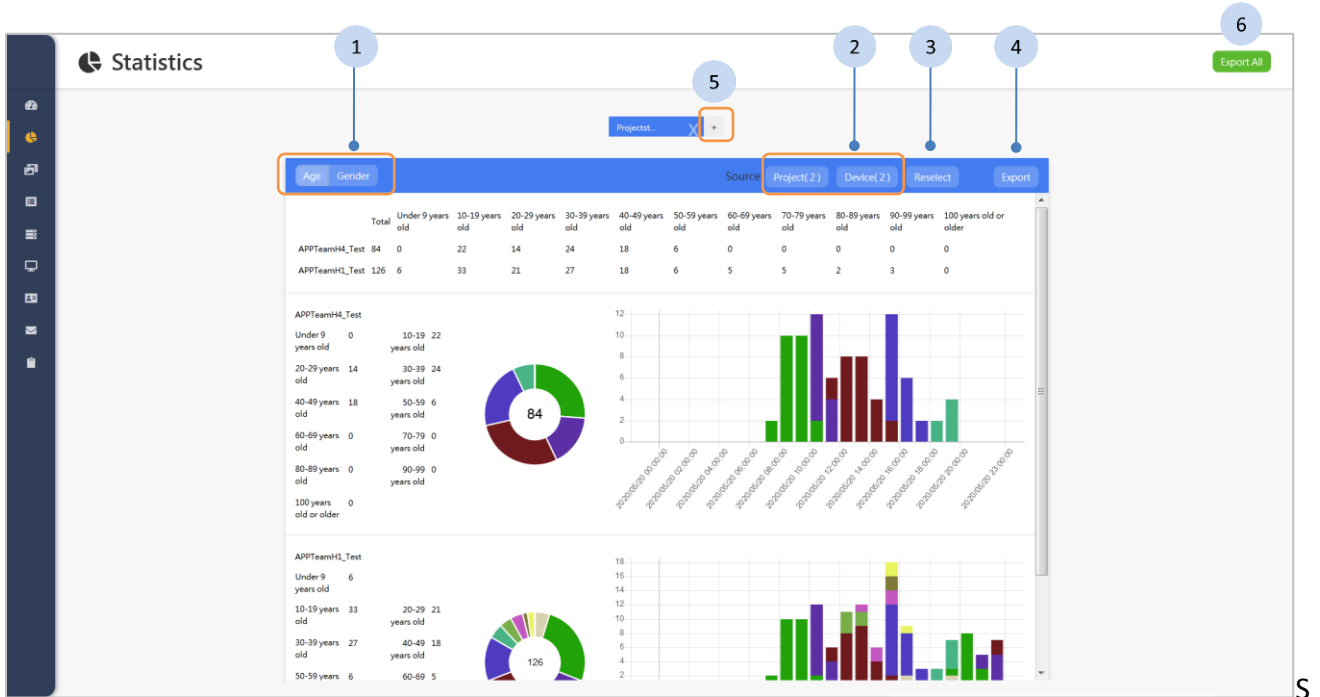
**7** Start analysis

**8** Statistics

## Steps

- 1 Click on the  button to start a gender analysis.
- 2 Click on the  button.
- 3 Click on the   button to toggle the view of the device.
- 4 Select a minimum of 1 device, up to a maximum of 5.
- 5 Click on the  button to analyze the data.
- 6 Enter the table name and select a period of time.
- 7 Click on the  button to start the analysis.
- 8 The system will generate an analysis table. Please refer to chapter “3.5.5 Analysis ” for details of the table.

## 3.5.5 Analysis Result

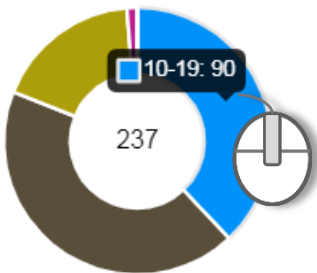


Analysis results are displayed on the page, each table displays two columns of charts, and you can view the statistical results as required.

### Steps

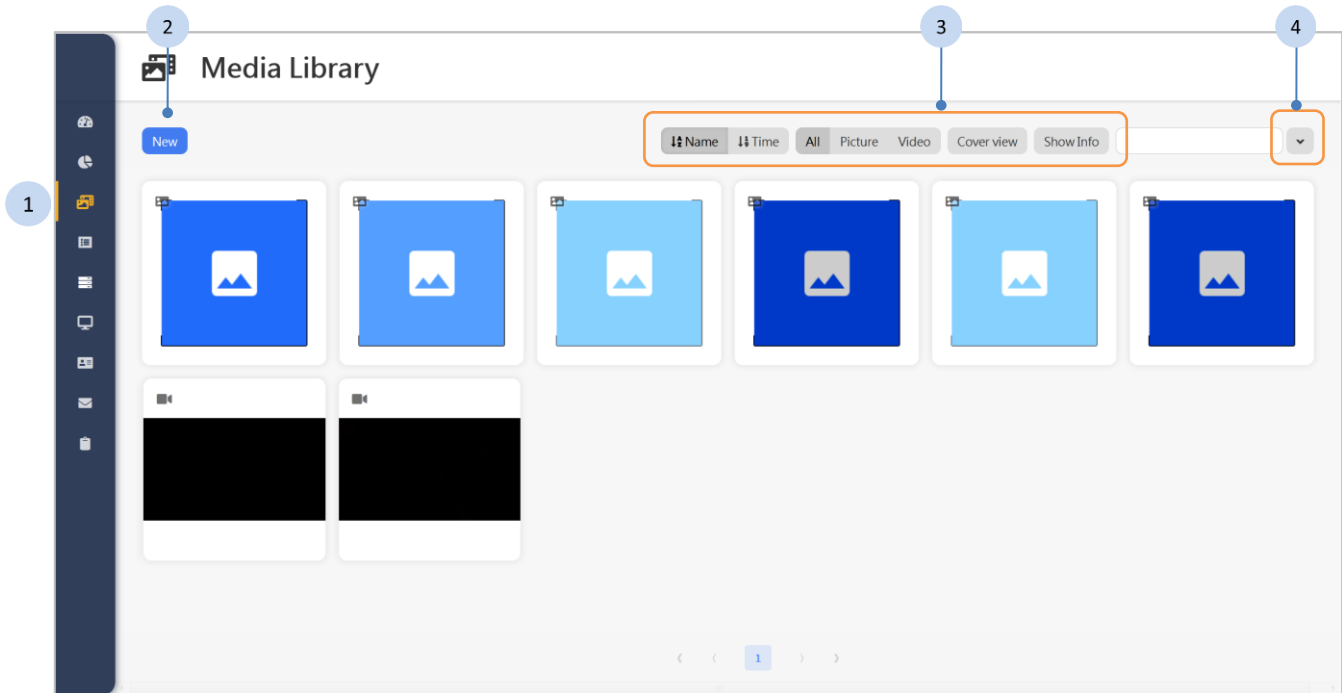
- 1 Click on the button to toggle between the analysis results.
- 2 Click on the button to show the source of the analyzed.
- 3 Click on the button to reselect a source, if required.
- 4 Click on the button to export analyzed data.
- 5 Click on the button at the top of the page to add an analysis table.
- 6 Click on the button to export all tables, if required.

### ◆ Tips



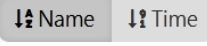
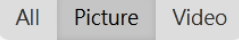

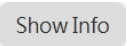



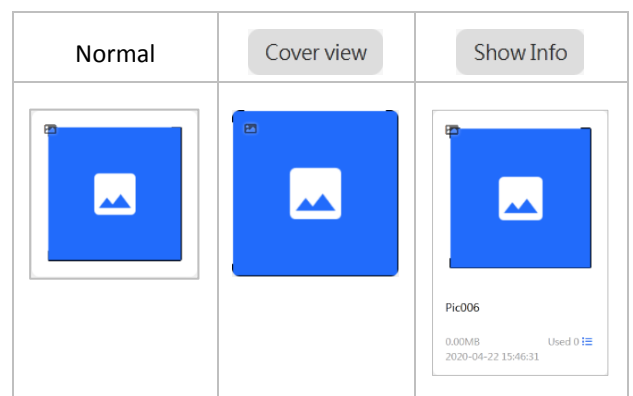
Move your mouse over the pie chart and bar chart to display the meaning of each part.

## 3.6 Media Library





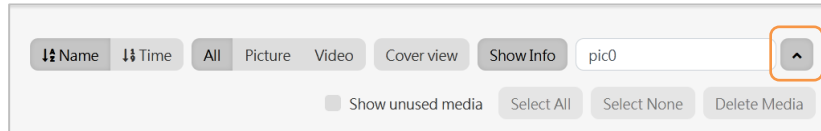
### Steps

1. Click on the  Media library button on the sidebar, and the media library page will display on the right.
2. You can click on the  button to add media, if required. The details will be explained in chapter in chapter “3.6.1 Adding a media”.
3. You can click on the top menu and follow the steps below, if required.
  - ◆  : To sort media by name or creation time.
  - ◆  : To filter the type of media as all, pictures or videos to display.
  - ◆  : To display media thumbnail as a cover.
  - ◆  : To display media information, including name, size, amount of media used and creation time. In the “Show info” mode, you can click on the  button to refer which projects used this media.





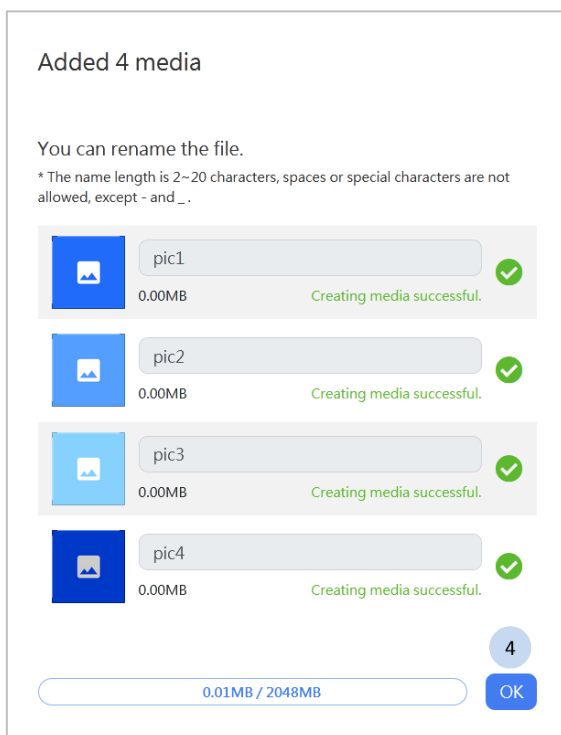
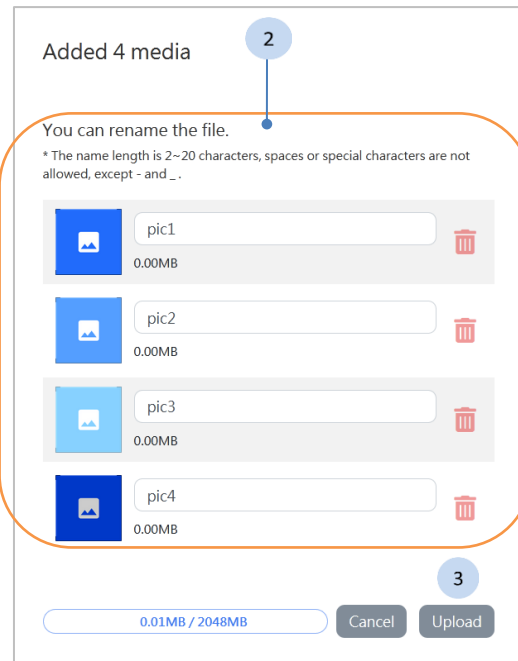
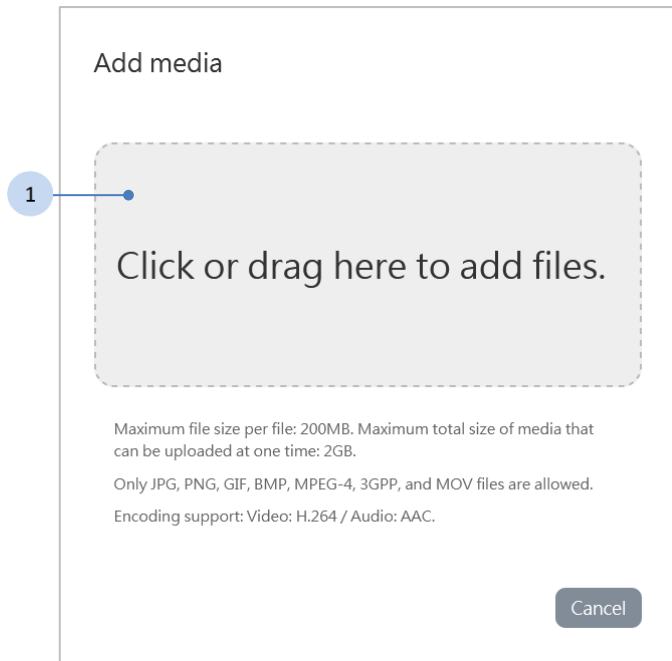
4. You can click on  the button to expand or  the button to collapse the filter menu and follow the steps below, if required.






- ◆  Show unused media : To show the unused media by ticking this checkbox.
- ◆ Select All : To select all unused media.
- ◆ Select None : Select none to unselect all the unused media.
- ◆ Delete Media: n : To delete media. “*n*” is the number of media to be deleted.

 Only unused media can be deleted.


## 3.6.1 Adding a media



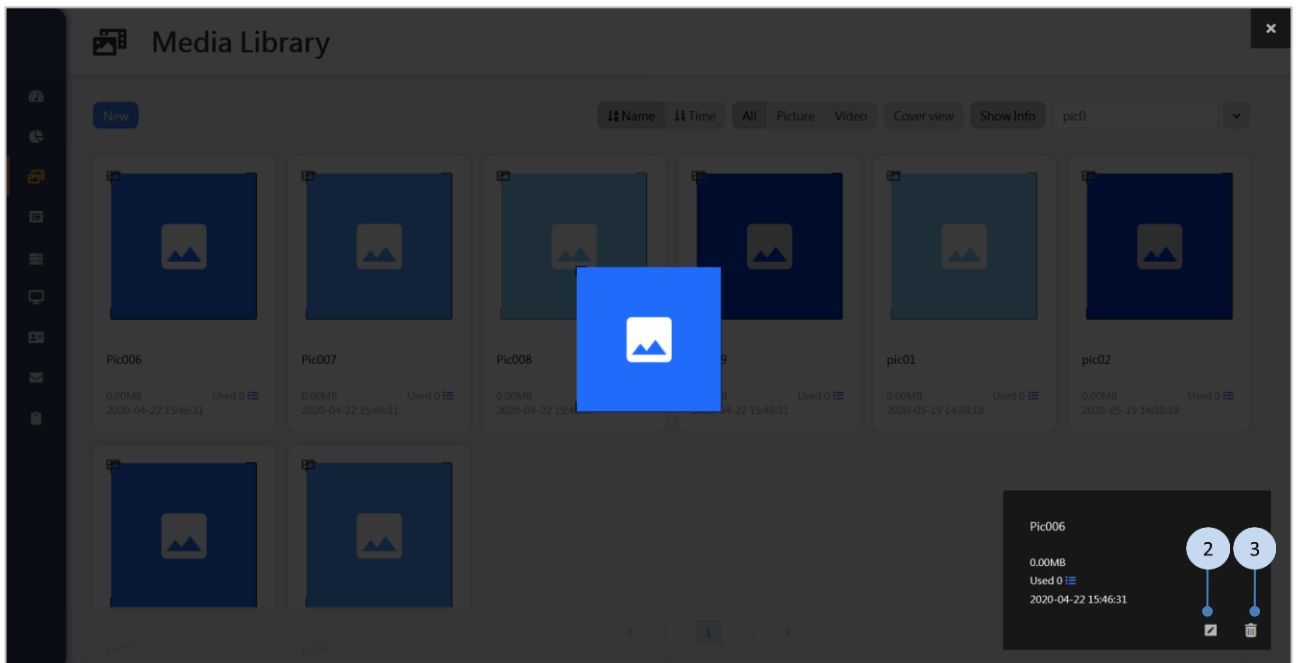
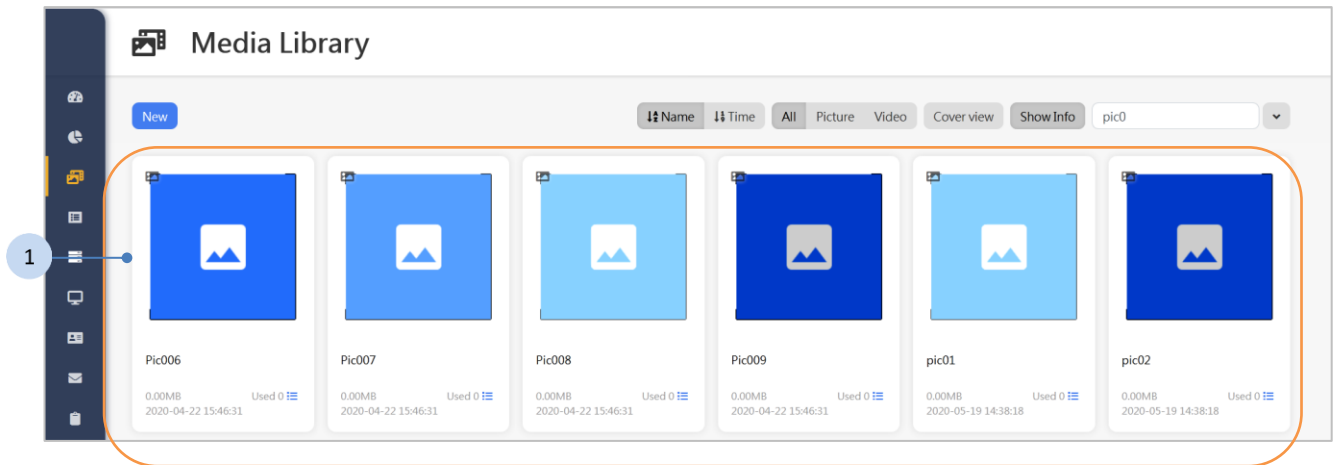
### Steps

1. You can click to select or drag files to add media.
2. You can rename the media file or press the  button to remove the item.
3. Press the  button to upload media files.
4. The upload result will be displayed in the list, press the  button to finish adding media.




 Maximum file size per file: 200MB. Maximum total size of media that can be uploaded at one time: 2GB.

 Only JPG, PNG, GIF, BMP, MPEG-4, 3GPP, and MOV files are allowed. Encoding support: Video: H.264 / Audio: AAC.

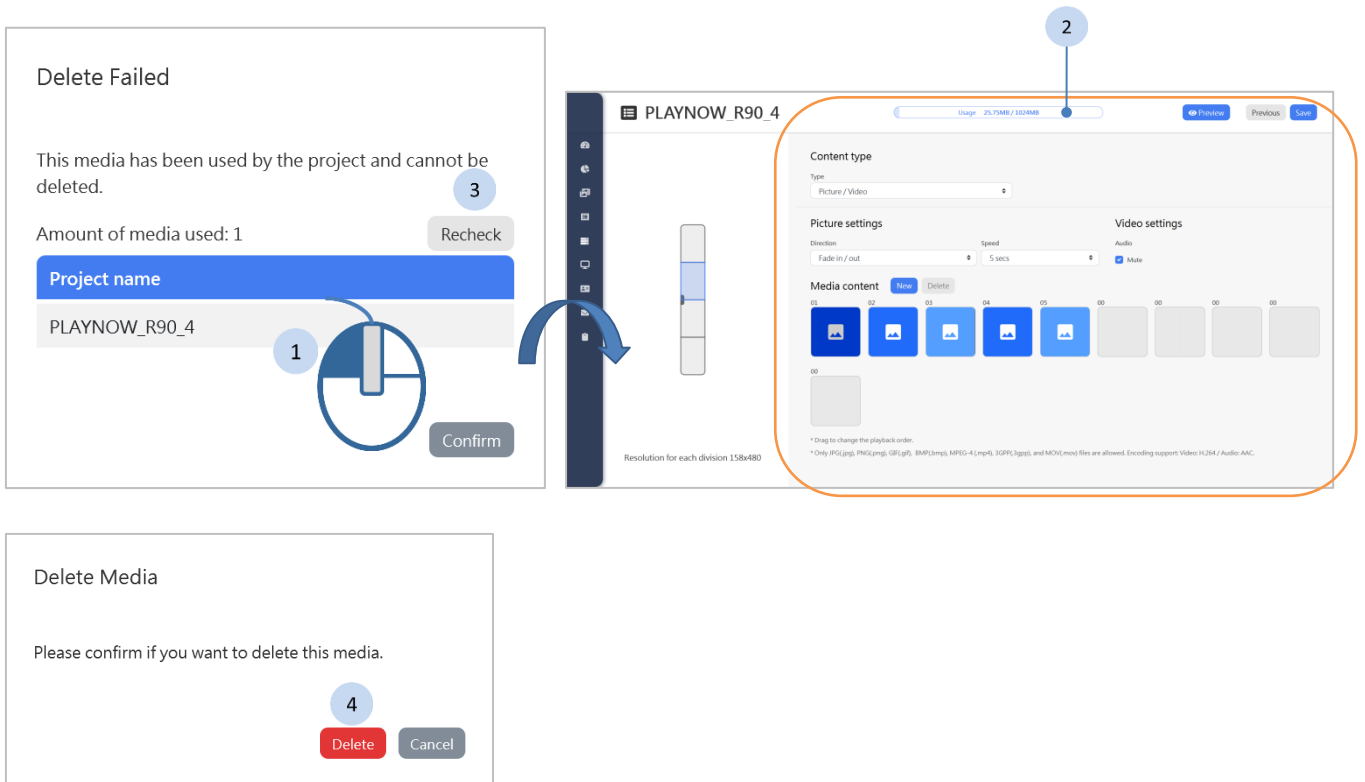
## 3.6.2 Editing a media



### Steps

1. Click on the media thumbnail.
2. Press the  button to rename media name and click on the  button to save it, if required.
3. Press the  button to delete this media, if required.





When the media is used by a project, it cannot be deleted. Please go to the project management page to remove and then delete the media then go back to the media library page to delete the media.

### Steps

1. If a project uses this media, please click the project from the list.
2. Remove this media from the project management page.
3. Go back to media library page. Press the **Recheck** button to recheck whether the media is being used by any project.
4. If the media is not used by any project, press the **Delete** button to confirm the deletion.

## 3.7 Project Management

Name	Layout	Time	Size(MB)	List of devices or device groups that have applied this project
APPTeamH1	Landscape Full screen	2020-04-27 13:58:02	0.0MB	
APPTeamH4	Landscape 4 Division	2020-05-08 15:43:52	43.54MB	D230_00039
AppTeamH_2	Landscape 2 Division	2020-04-29 17:47:10	0.0MB	
AppTeamH_4	Landscape 4 Division	2020-05-04 14:01:13	240.24MB	
AppTeamL90_2	Left 90 ° 2 Division	2020-04-29 17:45:56	15.4MB	D230_00039
AppTeamL90_4	Left 90 ° 4 Division	2020-05-04 13:28:07	80.79MB	
AppTeamR90_2	Right 90 ° 2 Division	2020-04-29 17:46:40	5.58MB	
AppTeamR90_4	Right 90 ° 4 Division	2020-05-04 13:57:34	237.32MB	
Project01	Landscape Full screen	2020-04-17 13:32:33	0.0MB	D230_00039
Project02	Landscape Full screen	2020-04-17 15:26:46	7.3MB	
Project03	Landscape Full screen	2020-04-22 09:12:05	0.4MB	D230_00102

### Steps

1. Click on the **Project management** button on the sidebar, and the project management page will display on the right.
2. Click on the “General project” tab to view the general project list. Please refer to the next chapter “3.7.1 General project”.
3. Click on the “Interventional project” tab to view the interventional project list. Please refer to the next chapter “3.7.2 Interventional project”.

General projects can be used with schedules to play projects as planned. The Interventional type project can be inserted and played immediately.

## 3.7.1 General project

The screenshot shows the 'Project Management' interface. At the top, there are two tabs: 'General project' (selected) and 'Interventional project'. Below the tabs, there is a row of buttons: 'New', 'Preview', 'View', 'Edit', and 'Delete'. To the right of these buttons is a 'Layout' section with three checkboxes: 'Landscape' (checked), 'Left 90°' (checked), and 'Right 90°' (checked). A search bar is located to the right of the layout options. Below this is a table with the following columns: 'Name', 'Layout', 'Time', 'Size(MB)', and 'List of devices or device groups that have applied this project'. The table contains several rows of project data.

Name	Layout	Time	Size(MB)	List of devices or device groups that have applied this project
APPTeamH1	Landscape Full screen	2020-04-27 13:58:02	0.0MB	
APPTeamH4	Landscape 4 Division	2020-05-08 15:43:52	43.54MB	D230_00039
AppTeamH_2	Landscape 2 Division	2020-04-29 17:47:10	0.0MB	
AppTeamH_4	Landscape 4 Division	2020-05-04 14:01:13	240.24MB	
AppTeamL90_2	Left 90 ° 2 Division	2020-04-29 17:45:56	15.4MB	D230_00039
AppTeamL90_4	Left 90 ° 4 Division	2020-05-04 13:28:07	80.79MB	
AppTeamR90_2	Right 90 ° 2 Division	2020-04-29 17:46:40	5.58MB	
AppTeamR90_4	Right 90 ° 4 Division	2020-05-04 13:57:34	237.32MB	
Project01	Landscape Full screen	2020-04-17 13:32:33	0.0MB	D230_00039
Project02	Landscape Full screen	2020-04-17 15:26:46	7.3MB	
Project03	Landscape Full screen	2020-04-22 09:12:05	0.4MB	D230_00102

### Steps

1. You can click on the **New** button to create a project, if required. More details on this will be explained in the chapter “3.7.3 Creating a project”.
2. You can choose a project from the list and follow the steps below, if required.
  - ◆ **Preview** : The description of the preview is described in the chapter “3.7.5 Preview”.
  - ◆ **View** : Shows the Project details.
  - ◆ **Edit** : Edits the Project.
  - ◆ **Delete** : Deletes the Project.
3. You can adjust the layout from the project list and choose Landscape, Left 90° or Right 90° by ticking the relevant checkbox  
Layout: Landscape Left 90 ° Right 90 ° , if required.

## 3.7.2 Interventional project

The screenshot shows the 'Project Management' interface. At the top, there are three numbered callouts: 1 points to the 'New' button, 2 points to the 'Preview' button, and 3 points to the 'Layout' section. The 'Layout' section has three checkboxes: 'Landscape' (checked), 'Left 90°' (checked), and 'Right 90°' (checked). Below the toolbar is a table with the following data:

Name	Layout	Time	Size(MB)	List of devices or device groups that have applied this project
PlayNowB	Landscape 2 Division	2020-04-21 16:55:50	7.83MB	
PLAYNOW_H90_4	Landscape 4 Division	2020-04-30 17:38:39	31.66MB	
PLAYNOW_L90_4	Left 90° 4 Division	2020-04-29 11:00:16	31.77MB	
PLAYNOW_R90_4	Right 90° 4 Division	2020-04-29 10:58:16	25.75MB	
PLAYNOW_T_L90_4	Left 90° 4 Division	2020-05-04 16:48:39	78.51MB	
PLAYNOW_T_P90_4	Right 90° 4 Division	2020-05-04 16:28:49	107.56MB	
PlayNowA	Landscape 4 Division	2020-04-27 17:17:55	0.0MB	D230_00039
PlayNowD	Landscape 4 Division	2020-05-04 16:04:09	17.42MB	D230_00039

### Steps

1. You can click on the **New** button to create a project, if required. More details on this will be explained in the chapter “3.7.3 Creating a project”.
2. You can choose a project from the list and follow the steps below, if required.
  - ◆ **Preview** : The description of the preview is described in the chapter “3.7.5 Preview”.
  - ◆ **Play** : The description of the play is described in the chapter “Playing an interventional project”.
  - ◆ **View** : Shows the Project details.
  - ◆ **Edit** : Edits the Project.
  - ◆ **Delete** : Deletes the Project.
3. You can adjust the layout from the project list and choose Landscape, Left 90° or Right 90° by ticking the relevant checkbox  
Layout: Landscape Left 90° Right 90° , if required.

**⚠** It can only be inserted after the device has been fully synchronized with the “Interventional Project”. The time to synchronize the project will be affected by the quality of the network environment.

## Playing an interventional project

Play duration

5 minutes  
 10 minutes  
 20 minutes  
 10 : 1 Ends

Cancel Play now

### Steps

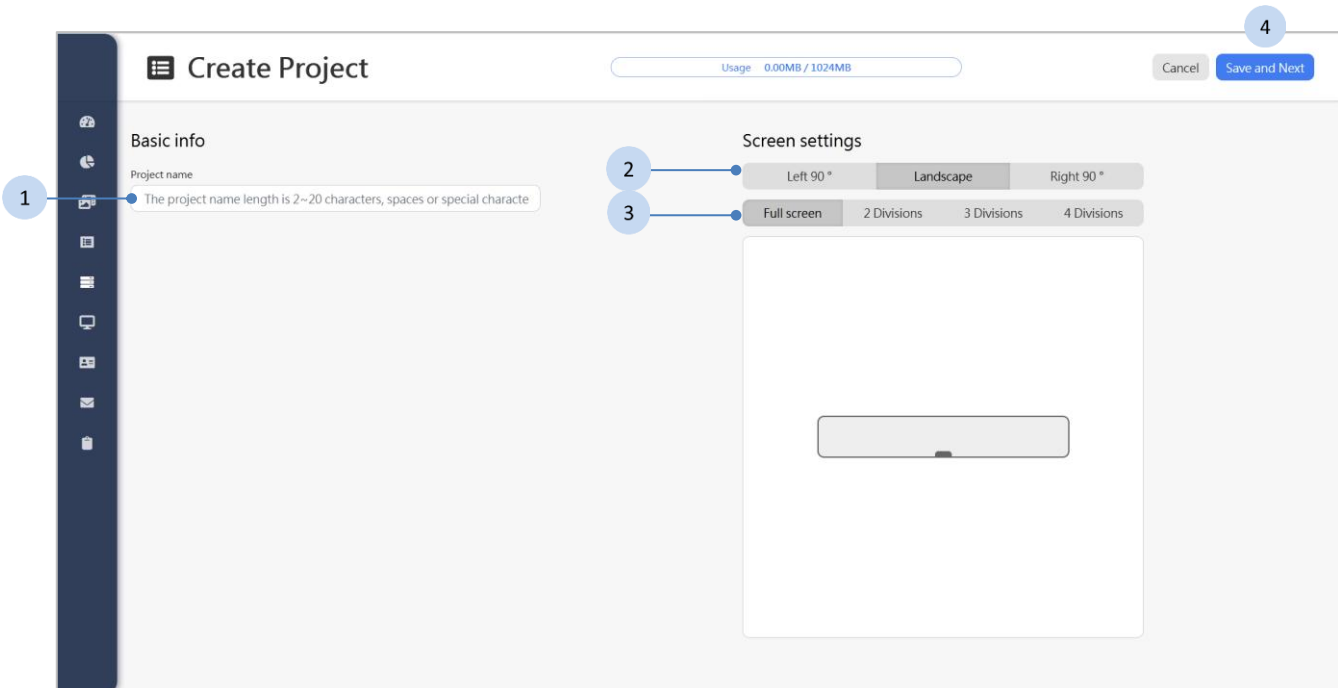
1. Choose or setting the play duration.
2. Click on the **Play now** button to play the interventional project.

**⚠** Interventional Project must be bound to the device to be inserted, please refer to "Interventional Project" in chapter "3.8.3 Editing a device" for how to bind.



### 3.7.3 Creating a project

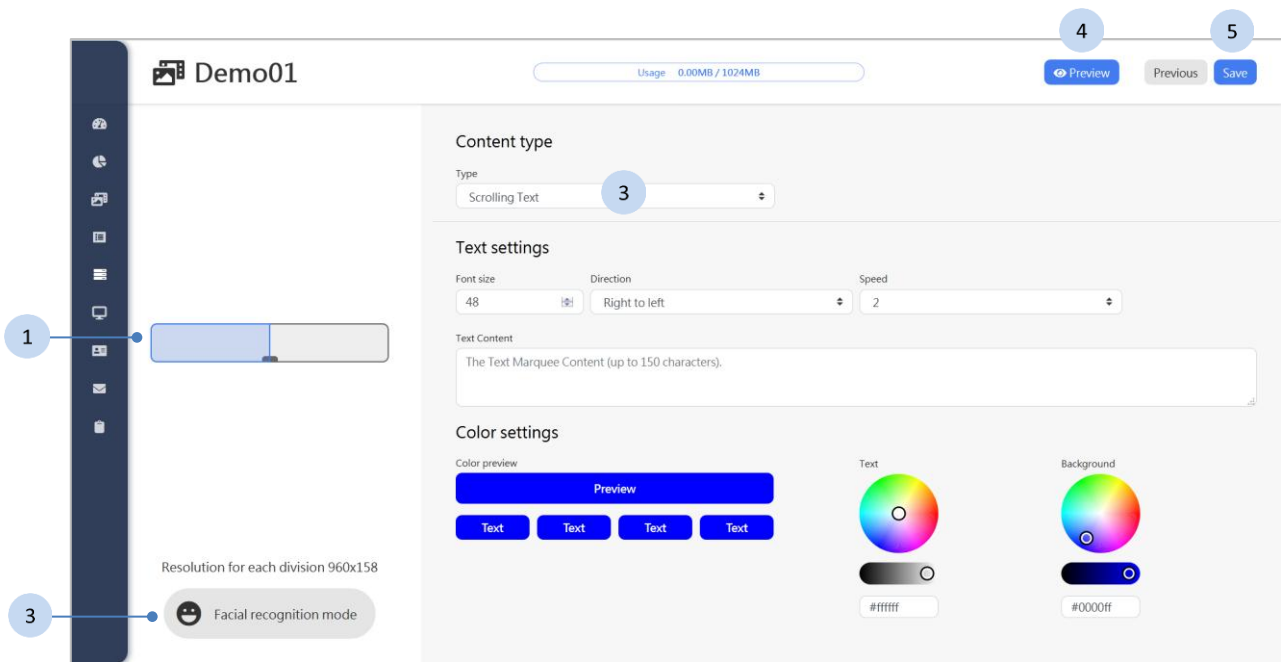
#### Setting the basic info of a project






#### Steps

1. Enter a project name.
2. Select a layout.
3. Select division of the layout.
4. Click on the **Save and Next** button to save the project name and layout.

## Editing a Standard Content

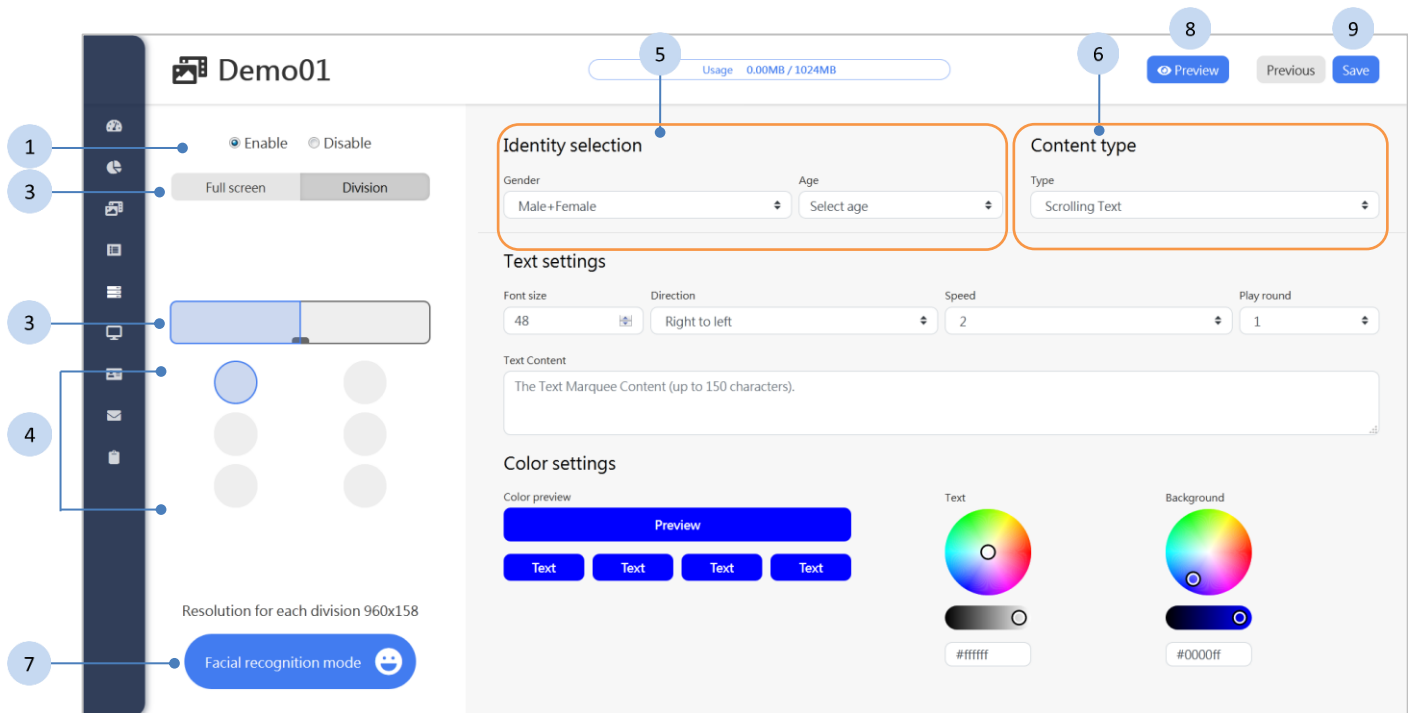


### Steps


1. Select the division.
2. Select the “Content Type” and fill in the content. The details will be explained in the chapter “3.7.4 Content Type”.
  - ◆ Scrolling Text
  - ◆ Picture and Video
3. Click on the  button to switch to “Facial recognition mode”, if required. The next chapter “Editing Facial Recognition Content” explains more details on this.
4. Click on the  button to preview the content. The description of the preview is described in the chapter “3.7.5 Preview”.
5. Click on the  button to finish.

 The scrolling text, pictures and videos set as “Standard Content” will be played continuously.


# Editing Facial Recognition Content



## Steps


1. Enable “Facial Recognition”.
  - ◆ Enable: Use feature detection.
  - ◆ Disable: Do not use feature detection.
2. Choose full screen or division.
  - ◆ Full: Recognized content plays on full screen.
  - ◆ Division: Recognized content plays on selected divisions on the screen.
3. Choose the division where to display “Facial Recognition” content.
4. Click on the  button to set the conditions. Up to 3 conditions can be set for the full screen and each division.
5. Set the “Identity selection”
  - ◆ Choose Gender.
  - ◆ Choose Age.


 The conditions set for each division cannot overlap with the full screen.

 The three conditions set by each division cannot be overlap.


6. Select “Content Type” and fill in the content. More details on this will be explained in the chapter “3.7.4 Content Type”.

- ◆ Scrolling Text
- ◆ Picture and Video

7. You can click on the  button to back the standard content settings, if required.

8. Click on the  button to preview the content. The description of the preview is described in the chapter “3.7.5 Preview”.

9. Click on the  button to finish.

 The picture of recognized content depends on the switching time. All videos selected for recognized content will be fully played once then. Afterwards, playback of the original content resumes.

## 3.7.4 Content Type

### Scrolling Text

**Text settings**

Font size: 48 (1)

Direction: Right to left (3)

Speed: 2 (3)

Play round: 1 (4)

**Text Content**

The Text Marquee Content (up to 150 characters). (5)

**Color settings** (6)

**Color preview**

Preview

Text Text Text Text

**Text** (Color picker: #ffffff)

**Background** (Color picker: #0000ff)

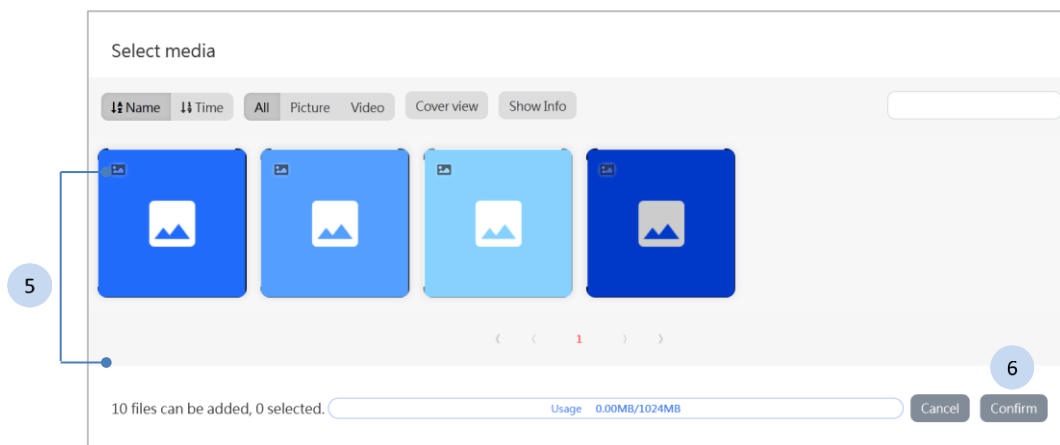
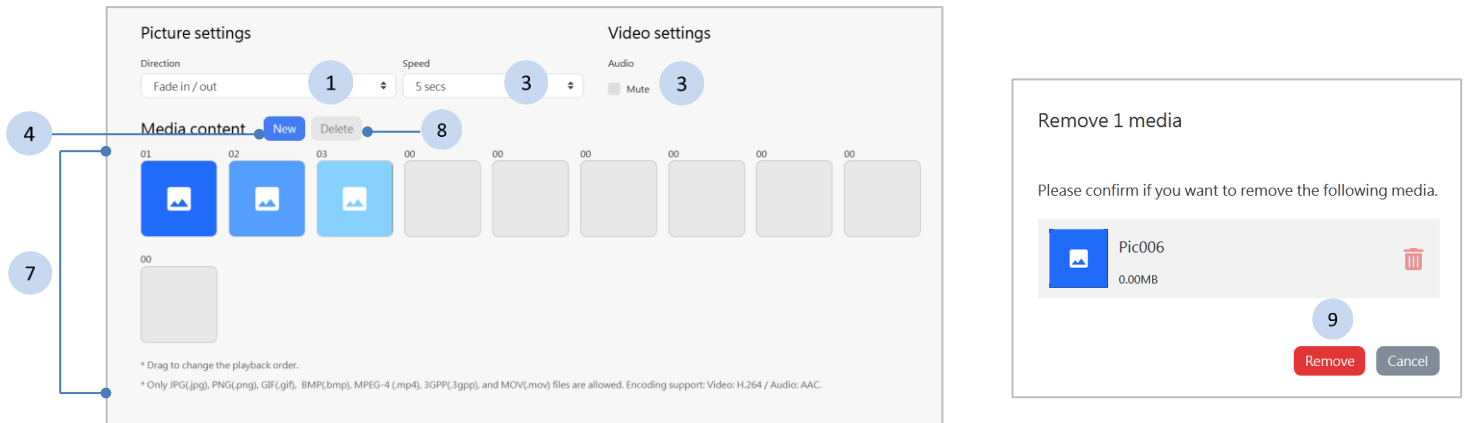
#### Steps

1. Choose the font size (24-160 pt).
2. Set the direction of the rolling text.
3. Set the speed of the rolling text.
4. Set the rounds of playing. (Only available in facial recognition mode)
5. Enter the text content (upmost 150 characters).
6. Select the text color and Background color or select the history color.

**⚠** The scrolling text only supports landscape layout, and supports English, Chinese, Japanese and numbers in portrait mode (Left 90° and Right 90° ).

**⚠** The scrolling text set as “Facial Recognition Content” will play as many times as defined by the playing rounds.

## Picture and Video



### Steps

1. Select the direction of the picture that is to appear on the screen.
2. Select the duration.
3. Check the “Mute” box to mute the video if required.
4. Click on the **New** button to add media files.
5. Click on the thumbnail to select files from media library. Please refer to chapter “3.6 Media Library” about how to use the above menu.
6. Click on the **Confirm** button to add media files (limit: 10 files) and go back to the content settings.
7. You can hold the thumbnail and drag to change the playing order.
8. Select the media and click on the **Delete** button to remove the file if required.
9. Click on the **Remove** button to confirm to remove the media.

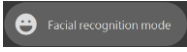

**⚠** The media is removed from the project here. To delete the file, please go to the media library to delete it.

### 3.7.5 Preview



The preview page will rotate the content as set by “Standard content”.

#### Steps

1. Click on the  button to toggle between “Facial recognition mode” and “Standard content”.
2. In “Face recognition mode”, you can select “Gender” and “Age” according to the identity selection. A preview of the screen seen that will be shown to the audience of D230 device can be displayed.
3. Click on the  button to finish the preview.

## 3.8 Device Management

1

2

3

Device Management

View Edit Delete Usage count : 3 / 3 Upgrade the license quantity Search:

Device name	Serial Number	Model	Firmware Version	App Version	Group	Status
D230_00100	D230001001J24F16999	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00101	D230001001J24F16888	D230	1.02.20200113.1	1.9.200406.2.D	group1	Allow
D230_00102	D230001001J24F16777	D230	1.02.20200113.1	1.9.200406.2.D	group2	Allow
D230_00039	D230001001J24F00039	D230	1.02.20200113.1	1.11.200528.1.R		offline
D230_00099	D230000001J43C00099	D230	1.02.20200113.1	1.10.200410.1.R		offline

### Steps

1. Click on the **Device management** button on the sidebar, and the device management page will display on the right.
2. Click on the “Device” tab to view the device list. The description of the device is described in the chapter “3.8.1 Device List”.
3. Click on the “Group” tab to view the group list. The description of the group is described in the chapter “3.8.5 Device group list”.

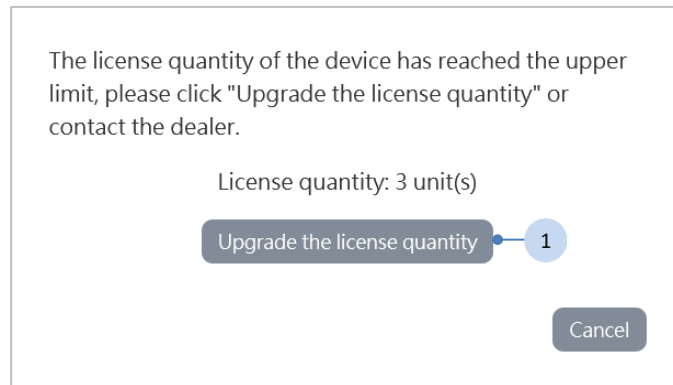


## 3.8.1 Device List

Device name	Serial Number	Model	Firmware Version	App Version	Group	Status
D230_00100	D230001001J24F16999	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00101	D230001001J24F16888	D230	1.02.20200113.1	1.9.200406.2.D	group1	Allow
D230_00102	D230001001J24F16777	D230	1.02.20200113.1	1.9.200406.2.D	group2	Allow
D230_00039	D230001001J24F00039	D230	1.02.20200113.1	1.11.200528.1.R		offline
D230_00099	D230000001J43C00099	D230	1.02.20200113.1	1.10.200410.1.R		offline


### Steps


1. Click on the device from the list.
2. Follow the steps as required.
  - ◆ **View** : Click to view the details of device. The description on how to view a device can be found in the next chapter "3.8.2 Viewing a Device".
  - ◆ **Edit** : Click to edit the device. The description on how to edit a device can be found in the chapter "3.8.3 Editing a device".
  - ◆ **Delete** : Click to delete the device, please refer to chapter "3.8.4 Delete device".
3. Click on the "Upgrade the license quantity" button if you need to upgrade the license quantity. After clicking, you will enter the Shuttle software activation service system. Please download the activation key and send it to the services commissioner. After the services commissioner gives the certificate, upload this certificate to complete the upgrade the license quantity. For detailed flow, please refer to "2.1 System software activation".
4. The **Allow** button in the status display indicates that approval of this device is pending. You can click the button to allow the device to be added to the list.




When the license quantity of the device has reached the upper limit, the device cannot be allowed.

### Steps

1. Click on the  button or contact the dealer if you want to upgrade the quantity. After clicking, you will enter the Shuttle software activation service system. Please download the activation key and send it to the services commissioner. After the services commissioner gives the certificate, upload this certificate to complete the upgrade license quantity. For detailed flow, please refer to "2.1 System software activation".

 A device with pending approval cannot synchronize information with the system.

 When a device is deleted, all schedules on that device will be cleared. The user needs to reboot the D230 to return to the pending approval status.

## 3.8.2 Viewing a Device

### Viewing Information


The screenshot shows a web interface for viewing device information. At the top, the device ID 'D230\_00039' is displayed. Below it, there are four tabs: 'Information', 'Play schedule', 'Interventional project', and 'Play settings'. The 'Information' tab is selected and highlighted with a red box and a '1' callout. On the right side, there are 'Cancel' and 'Edit' buttons, with the 'Edit' button highlighted with a blue box and a '2' callout. The main content area is divided into two sections: 'Basic info' and 'Device group'. The 'Basic info' section lists the following details:

- Device name: D230\_00039
- Serial Number: D230001001J24F00039
- Model: D230
- Version: 1.11.200528.1.R
- Time: 2020-05-28 18:08:40
- Display identification information:  On  
The viewer's gender and age range are displayed.

The 'Device group' section features a search bar and a table with the following data:

Name
group1
group2
group3

### Steps

1. Click on the “Information” tab to view the device information. On this page it displays basic information about the device and the group which it belongs to.
2. Click on the  button at the top to edit the device, if required.

## Viewing the Play Schedule

The screenshot shows the 'Play schedule' tab selected. The calendar is for June 2020, with the 15th selected. The 'Schedule' table shows a project from 08:00 to 21:00 on June 15th. The 'Sleep' section shows a sleep period from 22:00 to 23:00. The 'Timeline' section shows a blue bar from 8 to 21 on the 15th, and a grey bar from 22 to 23 on the 15th.

### Steps

1. Click on the “Play schedule” tab to view the Play schedule.
2. Click on the date in the calendar you want to view. You can click on the
3. Click on the

## Viewing the Interventional Project

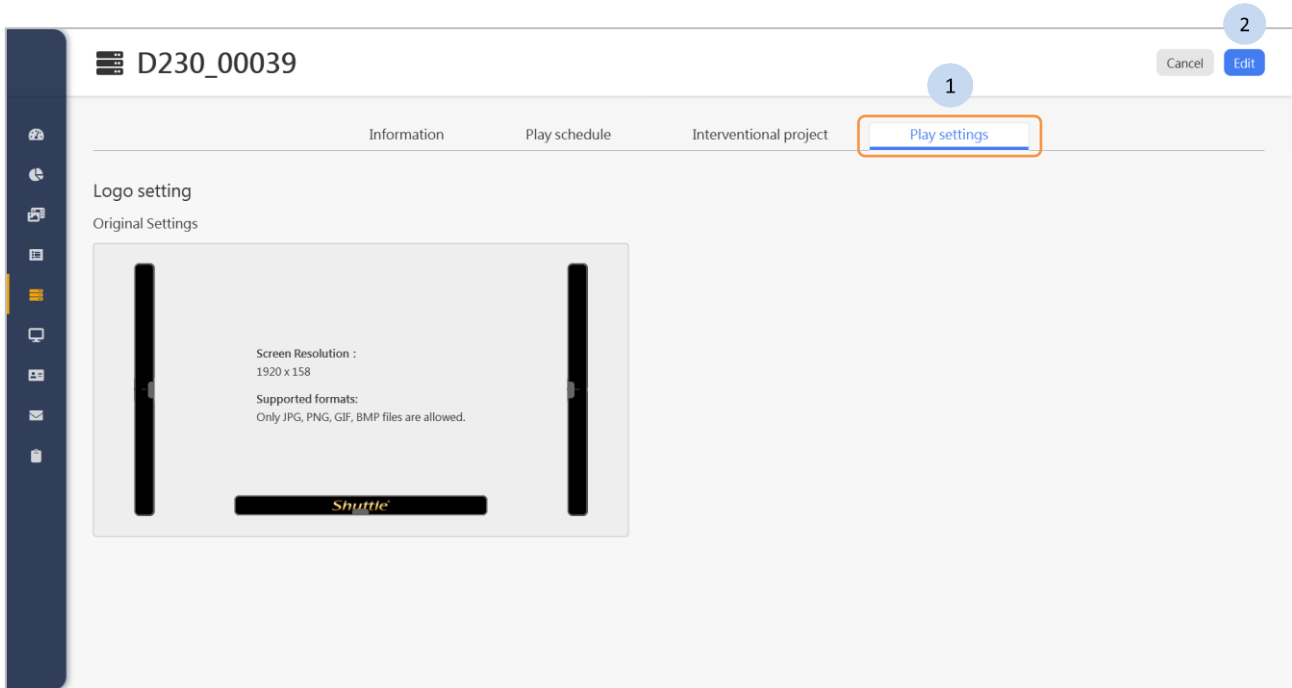
The screenshot shows the 'Interventional project' tab selected. The table below lists the projects:

Name	Layout	Time	List of devices that apply this project.
<input type="checkbox"/> play_now	Landscape 2 Division	2020-04-21 16:55:50	
<input type="checkbox"/> PlayNow_H90	Landscape 4 Division	2020-05-04 16:04:09	
<input checked="" type="checkbox"/> PlayNowAPTeam	Landscape 4 Division	2020-04-27 17:17:09	D230_00039
<input checked="" type="checkbox"/> PLAYNOW_R90_4	Right 90 ° 4 Division	2020-04-29 10:58:55	D230_00039
<input type="checkbox"/> PLAYNOW_L90_4	Left 90 ° 4 Division	2020-04-29 11:00:16	
<input type="checkbox"/> PLAYNOW_H90_4	Landscape 4 Division	2020-04-30 17:38:39	
<input type="checkbox"/> PLAYNOW_P90_4	Right 90 ° 4 Division	2020-05-04 16:28:49	
<input type="checkbox"/> PLAYNOW_L90_4	Left 90 ° 4 Division	2020-05-04 16:48:39	
<input type="checkbox"/> PLAY_NOW_H4	Landscape 4 Division	2020-05-21 13:59:23	
<input type="checkbox"/> PLAYNOW_S_H4	Landscape 4 Division	2020-05-21 16:27:05	
<input type="checkbox"/> PLAYNOW_S_H1	Landscape Full screen	2020-05-25 14:19:38	
<input type="checkbox"/> PLAYNOW_S_H2	Landscape 2 Division	2020-05-25 14:20:47	
<input type="checkbox"/> PLAYNOW_S_H3	Landscape 3 Division	2020-05-25 14:22:40	

## Steps

1. Click on the “Interventional project” tab to view the interventional projects bundled with this device.
2. Click on the [Edit](#) button at the top to edit the device, if required.

## Viewing the Play Settings



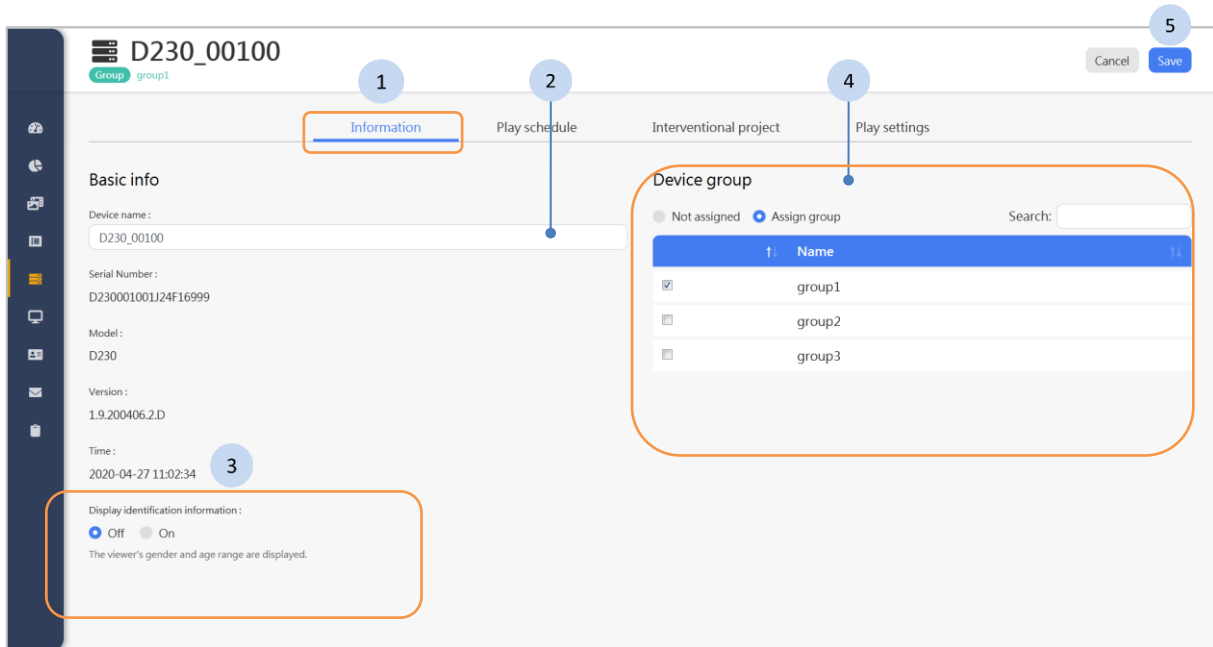
## Steps

1. Click on the “Play settings” tab to view the Play settings.
2. Click on the [Edit](#) button at the top to edit the device, if required.

### 3.8.3 Editing a device

**A** If the device is assigned to a group, the user can only edit the play schedule, interventional project and play settings via group.

#### Information



#### Steps

1. Click on the “Information” tab.
2. Edit the device name, if required.
3. Turn on or off the "display identification information". This option is used to display the gender and age of the viewer. The default is off.
4. Assign the device group from the group list, if required. Each device can only be in one device group at time.
5. Click on the **Save** button at the top to save the information settings.

**A** Canceling assign a group will clear the playback schedule and playback settings of this device.

**A** After assign a group, the original device settings will be replaced by the group content; the play schedule, interventional project selection and screen LOGO must be set on the device group page.

# Play schedule


The screenshot shows the 'Play schedule' interface for D230\_00039. The interface is divided into several sections:


- Header:** 'D230\_00039' with 'Cancel' and 'Save' buttons.
- Navigation:** 'Information' tab selected, with 'Play schedule' highlighted by callout 1.
- Calendar:** 'June 2020' with a 'today' button and navigation arrows. The calendar shows the 15th of June selected.
- Schedule List:** A table with columns for time, name, and actions. The first entry is '08:00 Jun-middle' and '21:00 Project01'. Callout 2 points to the 'New' button, and callout 3 points to the 'Edit' and 'Delete' buttons.
- Sleep Section:** 'Sleep' button with 'Disable' button next to it. Callout 4 points to the 'Sleep' button. Below it, 'New', 'Edit', and 'Delete' buttons are shown, with callout 5 pointing to 'New' and callout 6 pointing to 'Edit' and 'Delete'.
- Timeline:** A horizontal bar chart showing the schedule for the day. Callout 7 points to the 'Cancel' and 'Save' buttons at the top right.

## Steps

1. Click on the “Play schedule” tab.
2. Click on the **New** button at the top of the schedule list to create a schedule. Please refer to the next chapter “*Planning a schedule*”.
3. Click on an item in the schedule list you want to edit, if required, click on the following button.
  - ◆ **Edit** : To edit the schedule.
  - ◆ **Delete** : To delete the schedule.

4. Click on the **Enable** / **Disable** button to switch to sleep mode, if required.
5. After enabling the sleep settings, click on the **New** button to add a sleep time, if required.
6. Click on the time period in the sleep time list you want to edit and click on the following button, if required.
  - ◆ **Edit** : To edit the sleep time.
  - ◆ **Delete** : To delete the existing sleep time.
7. Click on the **Save** button at the top to save the play schedule settings.

 If the D230 is scheduled for sleep mode, it will stop playing the project, backlight and camera will be turned off.

 The D230 will automatically wake up and resume playing the project according to the schedule when the scheduled sleep mode ends.



## Planning a schedule

Select project

Layout :  Landscape  Left 90°  Right 90°

Search:

Name	Layout	Time	List of devices that apply this project.
<input type="checkbox"/> Project01	Landscape Full screen	2020-04-17 13:32:33	
<input type="checkbox"/> Project02	Landscape Full screen	2020-04-17 15:26:46	
<input type="checkbox"/> Project03	Landscape Full screen	2020-04-22 09:12:05	D230_00102
<input type="checkbox"/> Project04	Landscape Full screen	2020-04-23 10:05:22	
<input type="checkbox"/> Project05	Landscape Full screen	2020-04-23 15:23:06	
<input type="checkbox"/> Project06	Landscape Full screen	2020-04-27 13:55:17	
<input type="checkbox"/> Project07	Landscape Full screen	2020-04-27 13:57:25	
<input type="checkbox"/> APPTeamH1	Landscape Full screen	2020-04-27 13:58:02	
<input type="checkbox"/> APPTeamH4	Landscape 4 Division	2020-05-08 15:43:52	D230_00039
<input type="checkbox"/> AppTeamL90	Left 90° 2 Division	2020-04-29 17:45:56	D230_00039

Cancel Previous **Next**

### Steps

1. Select a Project.
2. Click on the **Next** button.

Schedule settings

1 Schedule name

2 All-day:

3 Starts:  AM 1 : 00


Ends:  AM 1 : 00

4 Repeat:

5 Cancel Previous **Save**

### Steps

1. Enter the schedule name.
2. Check the “All-day” box if, required.
3. Set the start and end date time.
4. Set the repeat frequency, if required. More details will be explained in the next section “Repeating the schedule”.
5. Click on the **Save** button to finish.

 The schedule can only be viewed within 6 months.

## Repeating the schedule

Repeat :

- Never
- Every Day
- Every Week
- Every Month
- Custom...

You can choose the repeat frequency.

End Repeat :

- Never
- End Repeat

You can choose end repeat date.

## Custom repeating schedule

- ◆ Repeating a schedule every X day.

Custom ×

1  Every Week Every Month

2 Every 1  day

3

### Steps

1. Click on the “Every Day” tab.
2. Enter the number of day(s).
3. Click on the  button to finish.

- ◆ Repeating schedule every X week.

Custom ×

1   Every Month

2 Every 1  week

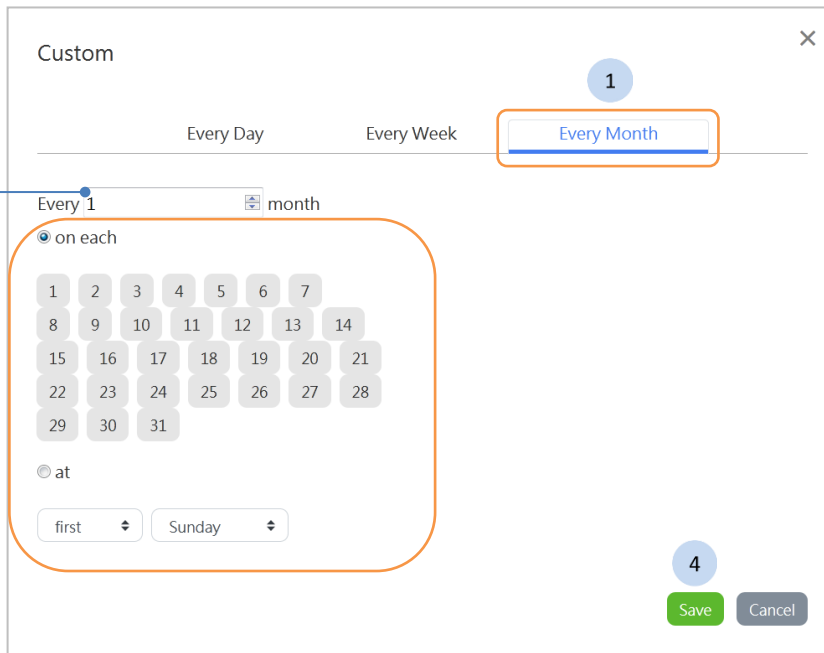
3

4

### Steps

1. Click on the “Every Week” tab.
2. Enter the number of week(s).
3. Select the days you want to the schedule to repeat.
4. Click on the  button to finish.

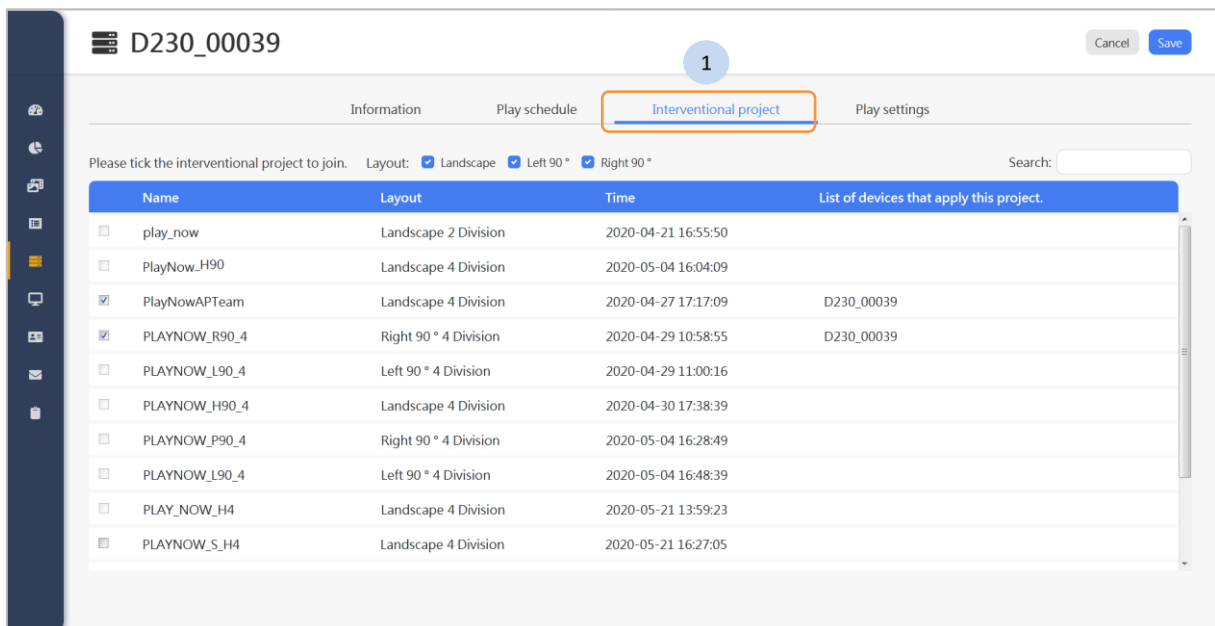
◆ Repeating schedule every X month.



**Steps**

1. Click on the “Every Month” tab.
2. Enter the number of month(s).
3. Select the days you want to the schedule to repeat.
4. Click on the **Save** button to finish.

**Interventional Project**

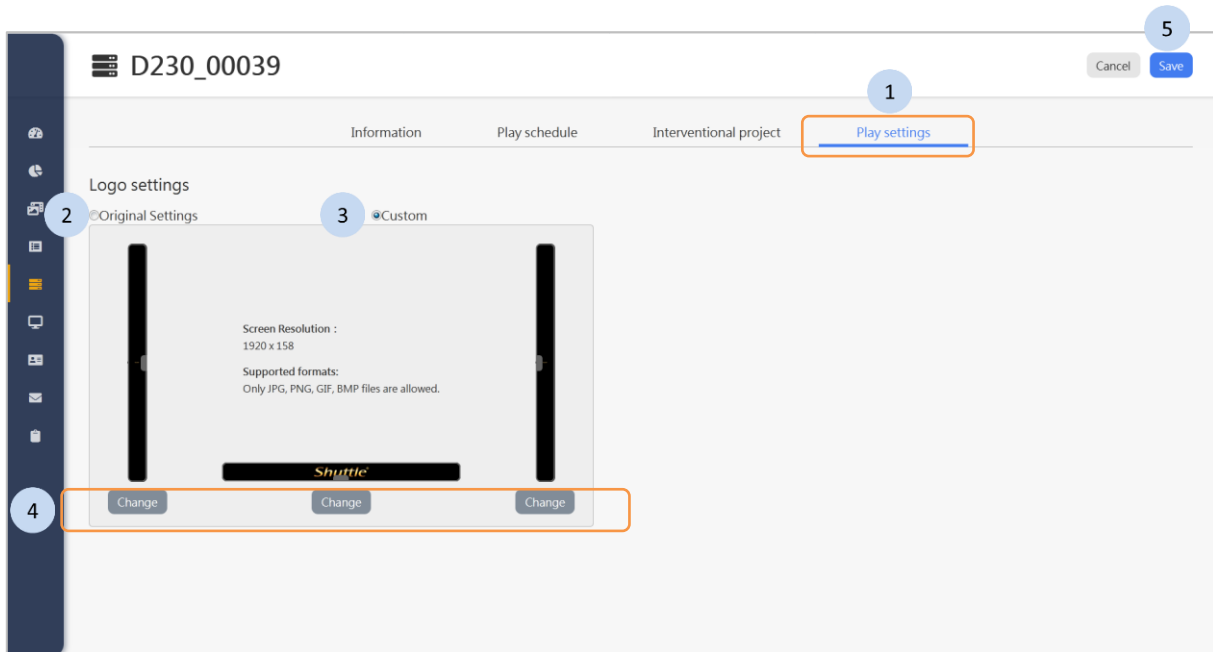


**Steps**

1. Click on the “Interventional project” tab.
2. Select the interventional project you want to bundle with this device.
3. After selecting the project, click on the **Save** button at the top to save the interventional project settings.

**⚠** It can only be inserted after the device has been fully synchronized with the “Interventional Project”. The time to synchronize the project will be affected by the quality of the network environment.

## Play settings



Here, you can replace logo of this device.

### Steps

1. Click on the “Play settings” tab.
2. Click  Original Settings button to view the logo image currently used on this device.
3. Click on the  Custom button at the top to edit the logo.
4. Select the layout of the logo you want to replace and click on the  button.
5. After selecting the image file, click on the  button at the top to save the play settings.

### 3.8.4 Delete device

Delete Device

Please confirm again if you want to delete the [D230\_00079] device.

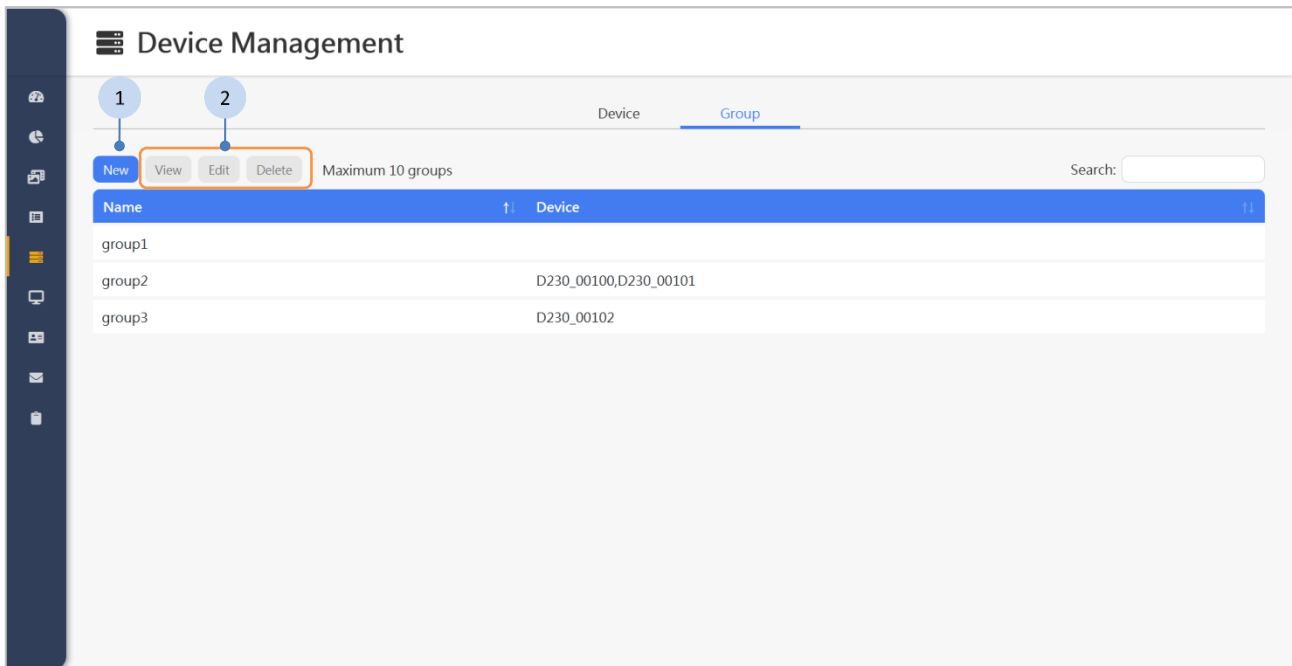
1  Keep device history records for statistical analysis.

2 **Delete** Cancel

#### Steps

1. Click the checkbox to keep device history records for statistical analysis, if required. The default is clicked.
2. Click **Delete** button to delete this device.

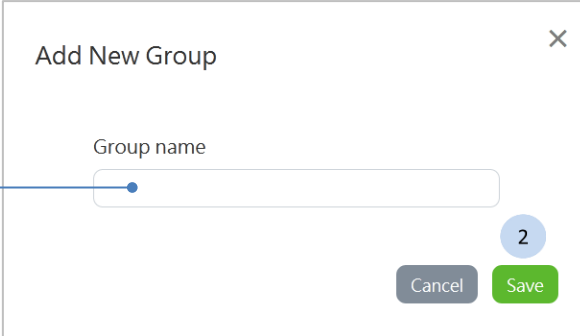
## 3.8.5 Device group list



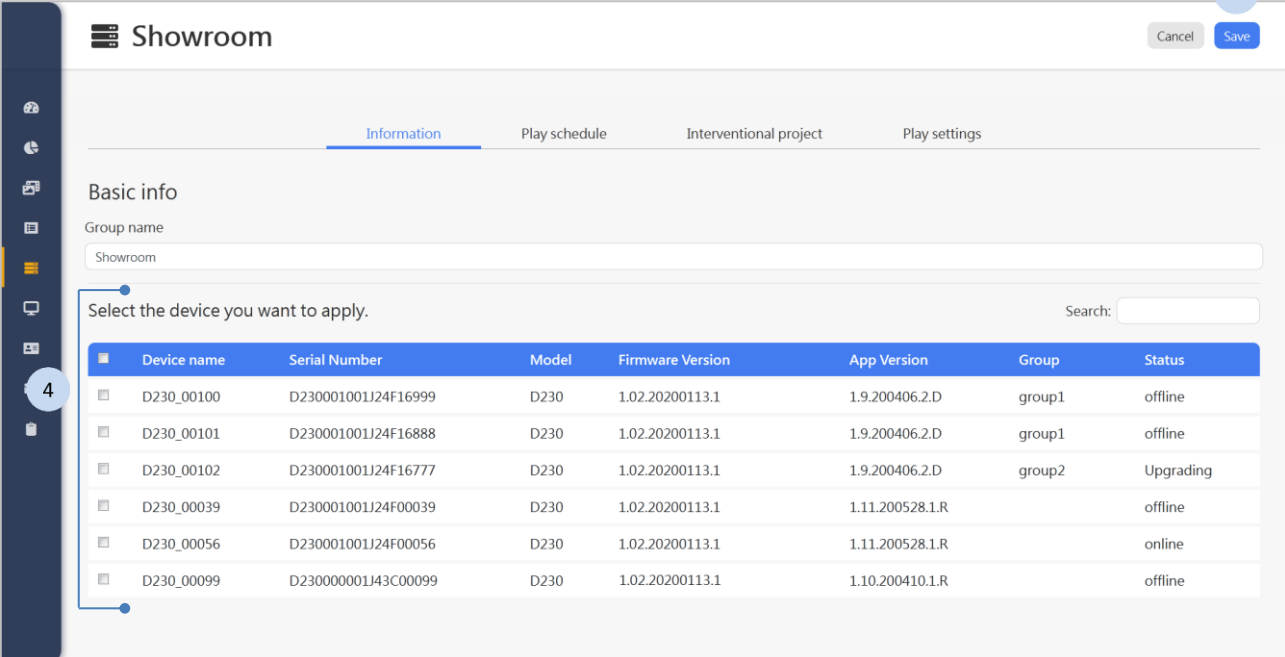
### Steps

1. Click on the “Group” tab.
2. You can click on the **New** button to create a device group, if required. More details will be explained in the chapter “3.8.6 Creating a device group”.
3. Click on the device group item in the list and following the steps below, if required.
  - ◆ **View** : Click to view the details of device group. The description on how to view a device group can be found in the next chapter “3.8.7 Viewing a device group”.
  - ◆ **Edit** : Edits a device group. The description on how to edit a device group can be found in the chapter “3.8.8 Editing a device group”.
  - ◆ **Delete** : Deletes the device group.

## 3.8.6 Creating a device group



The dialog box titled "Add New Group" contains a text input field labeled "Group name". A blue circle with the number "1" is positioned to the left of the input field, with a line pointing to the field. To the right of the input field, there are two buttons: a grey "Cancel" button and a green "Save" button. A blue circle with the number "2" is positioned above the "Save" button.



The main interface shows the "Showroom" page. At the top right, there are "Cancel" and "Save" buttons, with a blue circle containing the number "3" above the "Save" button. Below the header, there are tabs for "Information", "Play schedule", "Interventional project", and "Play settings". The "Information" tab is active. Under "Basic info", the "Group name" is set to "Showroom". Below this, there is a section titled "Select the device you want to apply." with a search bar. A table lists several devices with their details.

Device name	Serial Number	Model	Firmware Version	App Version	Group	Status
<input type="checkbox"/> D230_00100	D230001001J24F16999	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
<input type="checkbox"/> D230_00101	D230001001J24F16888	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
<input type="checkbox"/> D230_00102	D230001001J24F16777	D230	1.02.20200113.1	1.9.200406.2.D	group2	Upgrading
<input type="checkbox"/> D230_00039	D230001001J24F00039	D230	1.02.20200113.1	1.11.200528.1.R		offline
<input type="checkbox"/> D230_00056	D230001001J24F00056	D230	1.02.20200113.1	1.11.200528.1.R		online
<input type="checkbox"/> D230_00099	D230000001J43C00099	D230	1.02.20200113.1	1.10.200410.1.R		offline

### Steps

1. Enter the name of the device group.
2. Click on the **Save** button to save the group name.
3. Select the devices from the list below you want to apply to the group.
4. Click on the **Save** button to finish.

## 3.8.7 Viewing a device group

Device name	Serial Number	Model	Firmware Version	App Version	Group	Status
D230_00100	D230001001J24F16999	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00101	D230001001J24F16888	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00102	D230001001J24F16777	D230	1.02.20200113.1	1.9.200406.2.D	group2	Upgrading
D230_00039	D230001001J24F00039	D230	1.02.20200113.1	1.11.200528.1.R		offline
D230_00056	D230001001J24F00056	D230	1.02.20200113.1	1.11.200528.1.R		online
D230_00099	D230000001J43C00099	D230	1.02.20200113.1	1.10.200410.1.R		offline

### Steps

1. You can click the tab to view various settings of the device group.
2. Click on the **Edit** button at the top to edit the group settings, if required.

## 3.8.8 Editing a device group

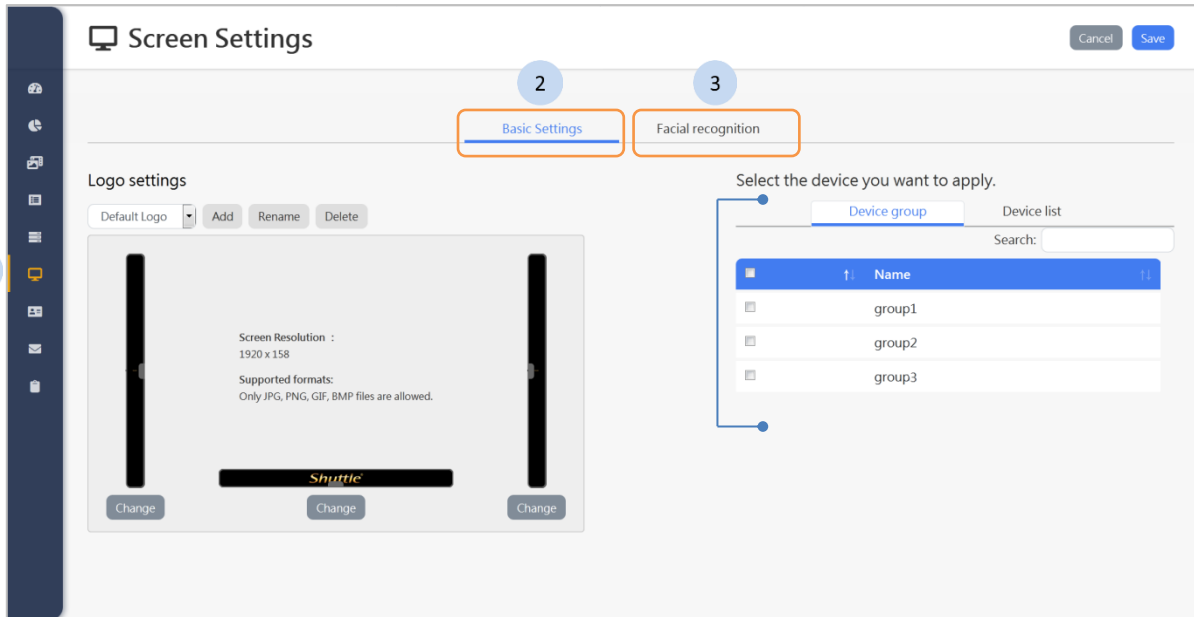
Device name	Serial Number	Model	Firmware Version	App Version	Group	Status
D230_00100	D230001001J24F16999	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00101	D230001001J24F16888	D230	1.02.20200113.1	1.9.200406.2.D	group1	offline
D230_00102	D230001001J24F16777	D230	1.02.20200113.1	1.9.200406.2.D	group2	Upgrading
D230_00039	D230001001J24F00039	D230	1.02.20200113.1	1.11.200528.1.R		offline
D230_00056	D230001001J24F00056	D230	1.02.20200113.1	1.11.200528.1.R		online
D230_00099	D230000001J43C00099	D230	1.02.20200113.1	1.10.200410.1.R		offline

### Steps


1. You can click the tab to edit various settings of the device group.
2. After completing all edits, click on the **Save** button to finish.



## 3.9 Screen Settings

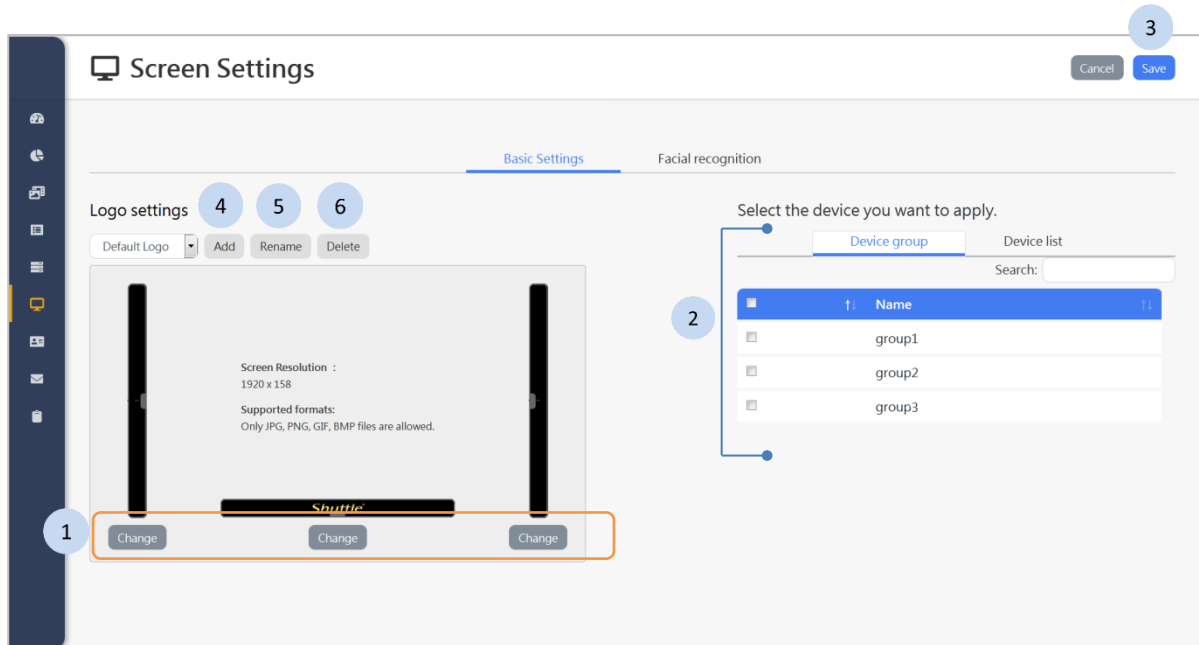


### Steps

1. Click on the  **Screen settings** button on the sidebar, and the screen settings will display on the right.
2. Click on the “Basic Settings” tab to display the basic settings. The description is described in the chapter “3.9.1 Basic settings”.
3. Click on the “Facial recognition” tab to set the play content replacement. The description is described in the chapter “3.9.2 Facial recognition”.

## 3.9.1 Basic settings

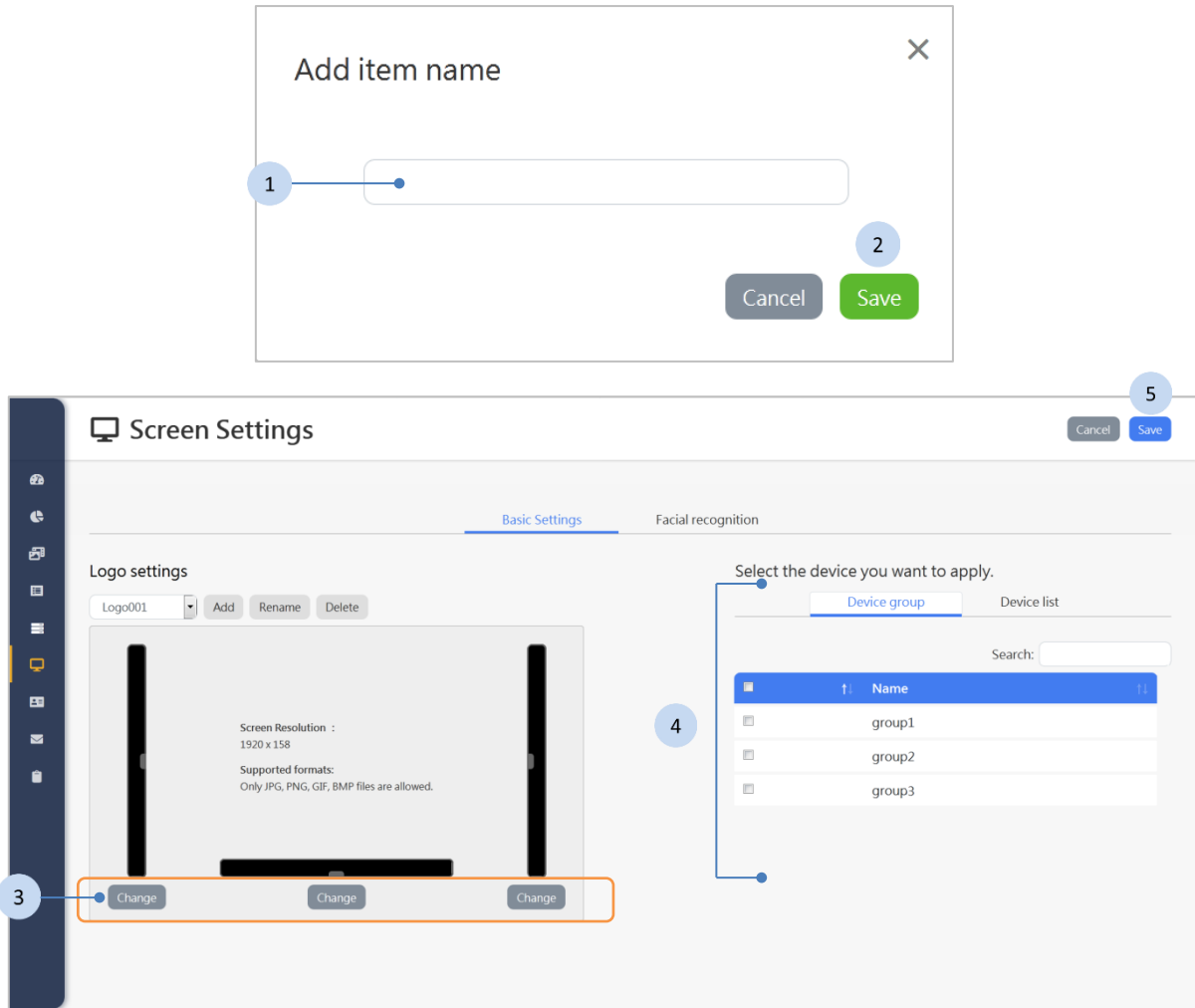
You can replace the Logo item for devices or device groups on the basic settings page. Each logo item can set different logos for three layout (Landscape, Left 90° or Right 90° ).



### Steps

1. Select the layout of the logo you want to replace and click on the **Change** button.
2. Select the device you want to apply from the device group list or device list via the switch tab.
3. After selecting the image file, click on the **Save** button at the top to save the screen settings.
4. You can click on the **Add** button to add logo item to the list if required. The description of how to add a logo item is described in the next chapter "Adding logo item".
5. You can click on the **Rename** button to rename the item name.
6. You can select the item from the logo list and click on the **Delete** button to delete the item.

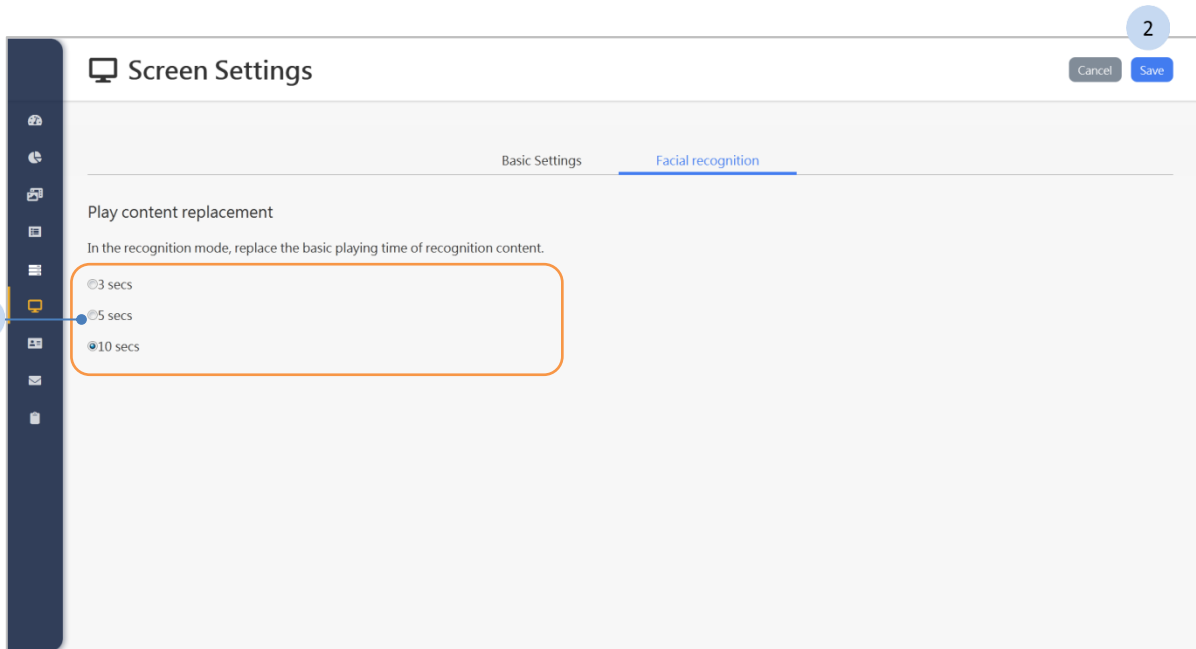
## Adding logo item



### Steps

1. Enter the item name.
2. Click on the **Save** button to save the logo item name.
3. Select the layout of the logo you want to replace and click on the **Change** button.
4. Select the device you want to apply from the device group list or from the device list via the switch tab.
5. After selecting various layout image files, click on the **Save** button at the top to save the logo item.

## 3.9.2 Facial recognition



### Steps

1. Choose the replace basic playing time of recognition content in the recognition mode.
2. Click on the **Save** button at the top to save the settings.

## 3.10 Account Management

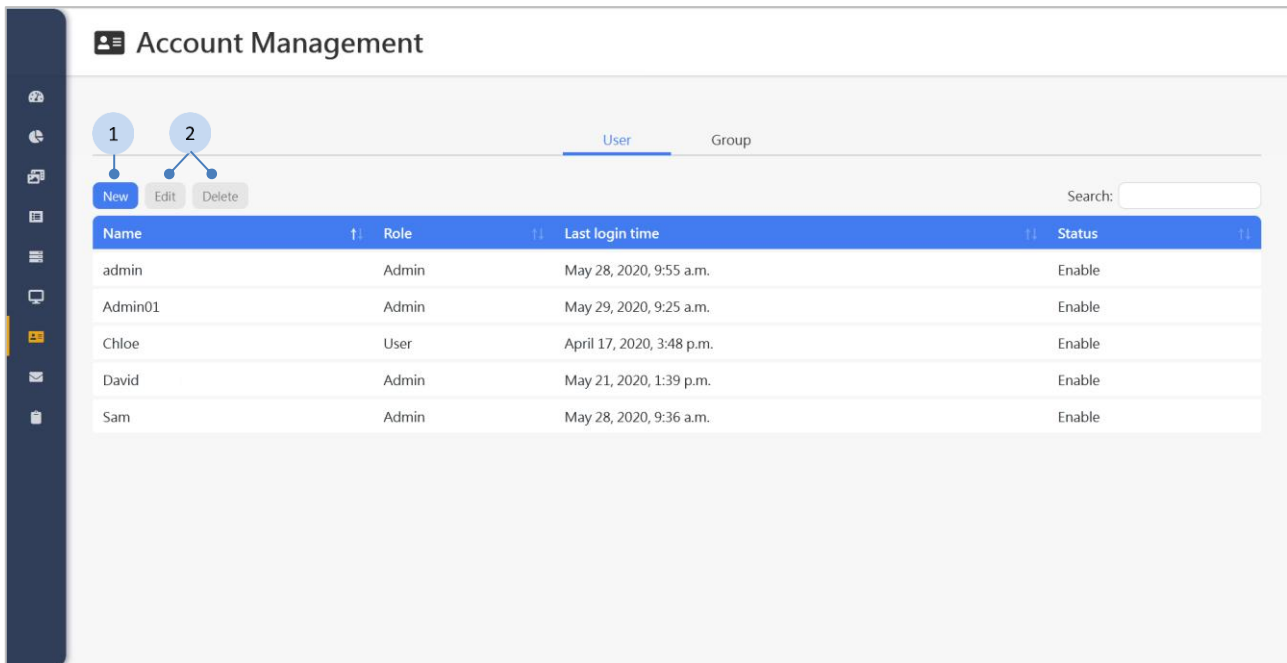
The screenshot displays the 'Account Management' interface. At the top, there are two tabs: 'User' (highlighted with a blue underline and a blue circle labeled '2') and 'Group' (highlighted with an orange border and a blue circle labeled '3'). Below the tabs are buttons for 'New', 'Edit', and 'Delete', and a search field. The main content is a table with the following data:

Name	Role	Last login time	Status
admin	Admin	May 28, 2020, 9:55 a.m.	Enable
Admin01	Admin	May 29, 2020, 9:25 a.m.	Enable
Chloe	User	April 17, 2020, 3:48 p.m.	Enable
David	Admin	May 21, 2020, 1:39 p.m.	Enable
Sam	Admin	May 28, 2020, 9:36 a.m.	Enable

### Steps

- 1 Click on the **Account management** button in the sidebar, and the account management page will display on the right.
- 2 Click on the “User” tab to view the user list. The description of the user is described in the chapter “3.10.1 Account List”.
- 3 Click on the “Group” tab to view the group list. The description of the user group is described in the chapter “3.10.4 Account group list”.

## 3.10.1 Account List



The screenshot displays the 'Account Management' interface. At the top, there are tabs for 'User' and 'Group', with 'User' selected. Below the tabs are buttons for 'New', 'Edit', and 'Delete'. A search bar is located on the right side. The main area contains a table with the following columns: Name, Role, Last login time, and Status. The table lists five users: admin, Admin01, Chloe, David, and Sam.

Name	Role	Last login time	Status
admin	Admin	May 28, 2020, 9:55 a.m.	Enable
Admin01	Admin	May 29, 2020, 9:25 a.m.	Enable
Chloe	User	April 17, 2020, 3:48 p.m.	Enable
David	Admin	May 21, 2020, 1:39 p.m.	Enable
Sam	Admin	May 28, 2020, 9:36 a.m.	Enable

### Steps

1. You can click on the **New** button to add account, if required. The details will be explained in next chapter.
2. You can click on the account in the list and use the following functions, if required.
  - ◆ **Edit** : To edit an account. The description on how to edit an account can be found in the chapter “3.10.3 Editing an account”.
  - ◆ **Delete** : To delete an account.

## 3.10.2 Adding an account

The screenshot shows the 'Add User' form with the following fields and components:

- Basic info:** Email account, User Name, Password, Confirm Password, and a Role dropdown menu (currently showing 'User').
- Group:** A search box and a table with columns for selection, Name, and sorting arrows.

	Name	
<input type="checkbox"/>	admin	
<input type="checkbox"/>	Marketing	

Numbered callouts in the image indicate: 1. The form fields; 2. The Role dropdown; 3. The Group selection table; 4. The Save button.

### Steps

1. Please enter the following details,
  - ◆ Email account
  - ◆ User name
  - ◆ Password
  - ◆ Confirm password
2. Choose the privileges. To set these, please refer to “Table 4 Role and permissions”.
  - ◆ Role: Admin
  - ◆ Role: User
3. Select the group.
4. Click on the **Save** button to save and finish.

Table 4 Role and permissions

Role	Description
Admin	<ul style="list-style-type: none"> <li>◆ The system must have at least one admin.</li> <li>◆ The new admin will belong to the Admin group with permissions for all functions.</li> <li>◆ The admin can add custom user groups (up to 10) and check the permissions of this group.</li> </ul>
User	<ul style="list-style-type: none"> <li>◆ Users need to join the “custom user group” to get the permissions of this group.</li> <li>◆ If a user is not added to any group, this user can only view the data of the function.</li> </ul>

### 3.10.3 Editing an account

The screenshot shows the 'Edit Account' page with the following elements:

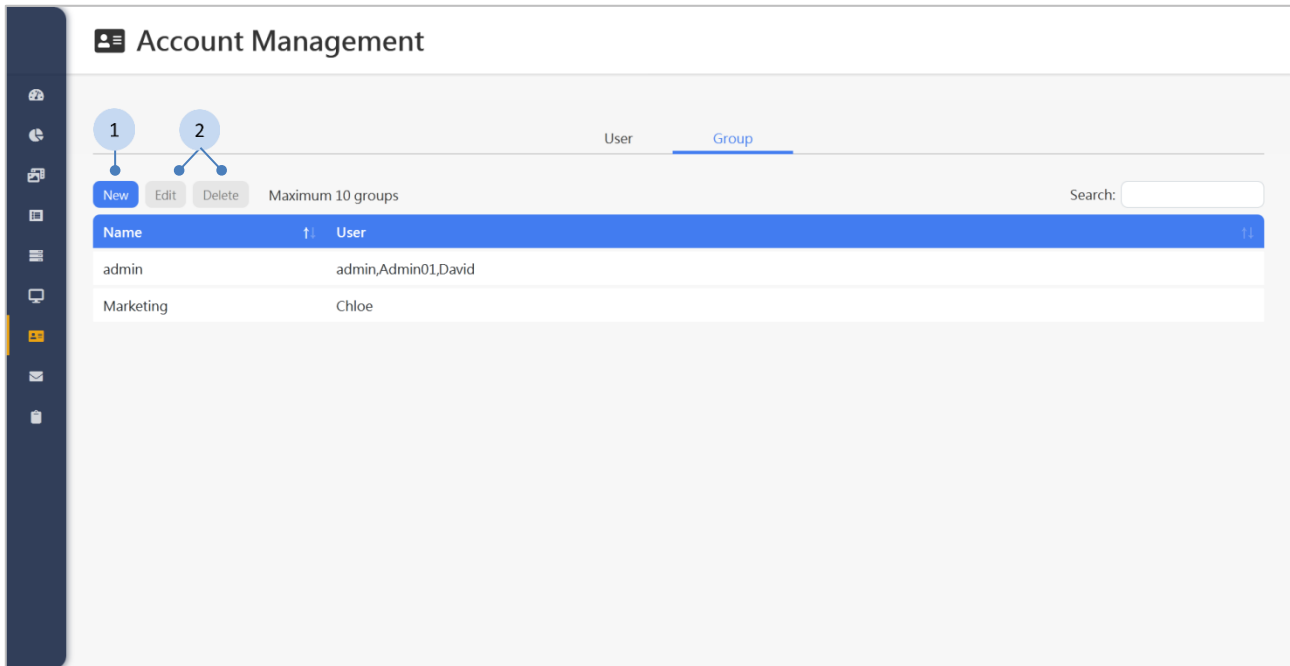
- 1**: Points to the 'Name' field containing 'Admin01'.
- 2**: Points to the 'Group' dropdown menu currently set to 'Admin'.
- 3**: Points to the 'Disable' checkbox and the 'User suspension reason' text input field.
- 4**: Points to a 'Group' selection modal window showing a list with columns 'Name' and checkboxes. The 'admin' group is selected.
- 5**: Points to the 'Save' button at the top right of the page.

#### Steps

1. Edit the account name, password, confirm password, if required.
2. You can change the permissions of account as admin or user, if required.
3. You can disable this account by ticking the “Disable” checkbox and fill in the “User suspension reason”, if required.
4. Assign the device group, if required.
5. Click on the Save button at the top to save the account settings.



## 3.10.4 Account group list



1. You can click on the **New** button to add a group (up to 10), if required. The details will be explained in next chapter.
2. You can click on a group from the list and use the following functions, if required.
  - ◆ **Edit** : To edit the account.
  - ◆ **Delete** : To delete the account.

## 3.10.5 Creating an account group

The screenshot shows the 'Add Account Group' form. At the top right, there are 'Cancel' and 'Save' buttons. The form is titled 'Basic info' and contains a 'Group name' input field. Below this are two tables: 'User' and 'Permission'. The 'User' table has a search bar and a list of users: admin, Admin01, Chloe, David, and Sam. The 'Permission' table has a search bar and a list of permissions: device operate, email operate, log operate, project operate, and statistics operate. A 'Save' button is located at the bottom right of the form. Numbered callouts 1 through 4 are placed on the form: 1 points to the 'Group name' field, 2 points to the 'User' table, 3 points to the 'Permission' table, and 4 points to the 'Save' button.

**Add Account Group** Cancel Save

Basic info

Group name

User Search:

Name
admin
Admin01
Chloe
David
Sam

Permission Search:

Name
device operate
email operate
log operate
project operate
statistics operate

Save

### Steps

1. Enter a Group name.
2. Choose the users to join the group.
3. Select the privileges of the group.
4. Click on the Save button to save and finish.

## 3.11 Verification Mailbox

The screenshot shows the 'SMTP Server' configuration page. On the left sidebar, the 'Verification mailbox' button is highlighted with a blue circle labeled '1'. The main content area contains a form with the following fields: 'Email', 'Password', 'SMTP Server', and 'Port'. The 'Email' and 'Password' fields are grouped together by an orange rounded rectangle, with a blue circle labeled '2' pointing to the 'Email' field. Below the form are two buttons: a blue 'Verify' button labeled '3' and a red 'Reset' button labeled '4'.

On this page, you can set up an SMTP server that can send reset password links to the users who have forgotten their password.

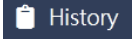





### Steps

1. Click on the **Verification mailbox** button on the sidebar, and the verification mailbox page will display on the right.
2. The following information needs to be entered manually.
  - ◆ Email address
  - ◆ Password
  - ◆ SMTP Server
  - ◆ Port
3. Click on the **Verify** button to verify the SMTP Server settings. A test email will be sent to verify that the settings are correct.
4. Click on the **Reset** button to reset settings, if required.

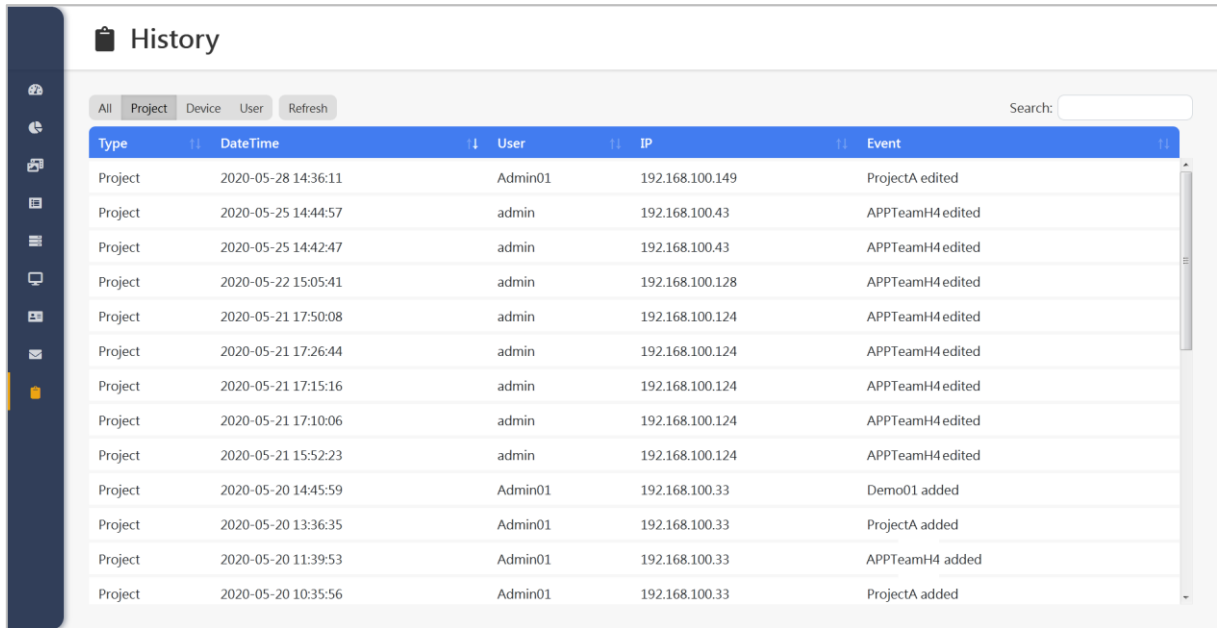
## 3.12 History

Type	DateTime	User	IP	Event
Project	2020-05-28 15:45:39	Admin01	192.168.100.112	CFD_H2 edited
Project	2020-05-28 15:42:46	Admin01	192.168.100.112	CFD_H2 edited
Project	2020-05-28 15:32:55	Admin01	192.168.100.112	CFD_H2 added
Device	2020-05-28 15:29:45		192.168.100.108	D230_00056 upgraded App
Device	2020-05-28 15:15:54		192.168.100.108	D230_00056 upgraded App
Device	2020-05-28 15:05:50		192.168.100.108	D230_00056 upgraded App
User	2020-05-28 14:54:18	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:54:04	Admin01	192.168.100.149	Admin01 logged out
Device	2020-05-28 14:47:27		192.168.100.108	D230_00056 upgraded App
Project	2020-05-28 14:36:11	Admin01	192.168.100.149	ProjectA edited
User	2020-05-28 14:32:39	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:32:20	Admin01	192.168.100.149	Admin01 logged out
Project	2020-05-28 14:28:58	Admin01	192.168.100.112	CFD_H1 edited

### Steps

1. Click on the  History button on the sidebar, and the history page will display on the right.
2. You can click on the top menu, if required.
  - ◆     : To filter the type of media as all, project, device or user to display.
  - ◆  : To refresh the history list.

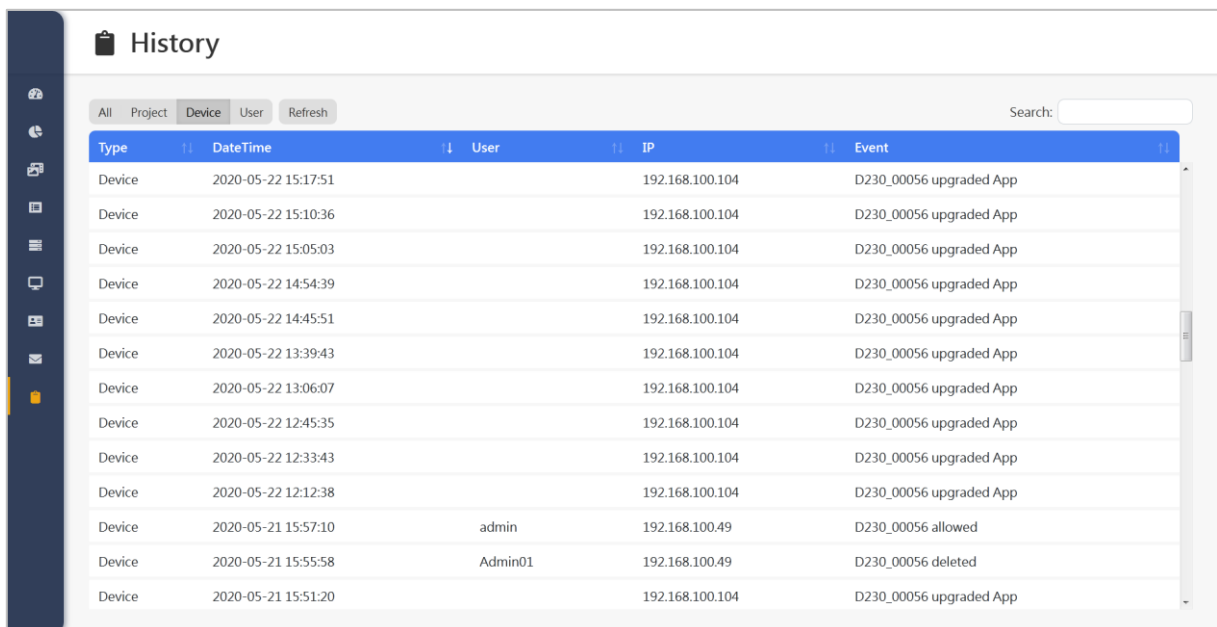
## 3.12.1 Project



Type	DateTime	User	IP	Event
Project	2020-05-28 14:36:11	Admin01	192.168.100.149	ProjectA edited
Project	2020-05-25 14:44:57	admin	192.168.100.43	APPTeamH4 edited
Project	2020-05-25 14:42:47	admin	192.168.100.43	APPTeamH4 edited
Project	2020-05-22 15:05:41	admin	192.168.100.128	APPTeamH4 edited
Project	2020-05-21 17:50:08	admin	192.168.100.124	APPTeamH4 edited
Project	2020-05-21 17:26:44	admin	192.168.100.124	APPTeamH4 edited
Project	2020-05-21 17:15:16	admin	192.168.100.124	APPTeamH4 edited
Project	2020-05-21 17:10:06	admin	192.168.100.124	APPTeamH4 edited
Project	2020-05-21 15:52:23	admin	192.168.100.124	APPTeamH4 edited
Project	2020-05-20 14:45:59	Admin01	192.168.100.33	Demo01 added
Project	2020-05-20 13:36:35	Admin01	192.168.100.33	ProjectA added
Project	2020-05-20 11:39:53	Admin01	192.168.100.33	APPTeamH4 added
Project	2020-05-20 10:35:56	Admin01	192.168.100.33	ProjectA added

Project history lists the events of the project: when the project was added or edited by which user.

## 3.12.2 Device



Type	DateTime	User	IP	Event
Device	2020-05-22 15:17:51		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 15:10:36		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 15:05:03		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 14:54:39		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 14:45:51		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 13:39:43		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 13:06:07		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 12:45:35		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 12:33:43		192.168.100.104	D230_00056 upgraded App
Device	2020-05-22 12:12:38		192.168.100.104	D230_00056 upgraded App
Device	2020-05-21 15:57:10	admin	192.168.100.49	D230_00056 allowed
Device	2020-05-21 15:55:58	Admin01	192.168.100.49	D230_00056 deleted
Device	2020-05-21 15:51:20		192.168.100.104	D230_00056 upgraded App

Device history lists the events of the device: when the device upgraded the firmware or APP, and which user, at what time, allowed or deleted the device.

### 3.12.3 User

The screenshot shows a 'History' section with a table of user events. The table has a header row with columns: Type, DateTime, User, IP, and Event. Below the header, there are 15 rows of data. The first 12 rows are for 'Admin01' with IP '192.168.100.149', showing alternating 'logged in' and 'logged out' events. The last three rows are for 'admin' with IP '192.168.100.131', showing 'logged in' and 'logged out' events. The interface includes a sidebar on the left, a search bar at the top right, and filter tabs for 'All', 'Project', 'Device', and 'User'.

Type	DateTime	User	IP	Event
User	2020-05-28 14:54:18	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:54:04	Admin01	192.168.100.149	Admin01 logged out
User	2020-05-28 14:32:39	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:32:20	Admin01	192.168.100.149	Admin01 logged out
User	2020-05-28 14:17:30	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:17:17	Admin01	192.168.100.149	Admin01 logged out
User	2020-05-28 14:15:48	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:15:36	Admin01	192.168.100.149	Admin01 logged out
User	2020-05-28 14:13:45	Admin01	192.168.100.149	Admin01 logged in
User	2020-05-28 14:13:25	Admin01	192.168.100.149	Admin01 logged out
User	2020-05-28 09:55:43	admin	192.168.100.79	admin logged in
User	2020-05-28 09:36:33	admin	192.168.100.131	admin logged out
User	2020-05-28 09:36:10	admin	192.168.100.131	admin logged out




The user history lists: the time when the user logged out or logged in.

## 4 Playing content on the D230 device

### 4.1 Device status

The device status will be displayed on the screen without playback of a schedule; When a schedule is playing, the status will not be displayed.

Table 5 Device status

Icon		AP mode
		Disconnected
		Approval pending
Info		Display current device time
		Firmware version
		App version



### 4.2 Playing content

- ◆ The D230 device automatically plays the projects according to the schedule.
- ◆ If the D230 has no project scheduled, the default logo will be displayed.
- ◆ Sleep mode
  - If the D230 is scheduled for sleep mode, it will stop playing a project, backlight and camera will be turned off.
  - The D230 will automatically wake up and resume playing a project according to the schedule, when the scheduled sleep mode ends.

### 4.3 D230 factory reset

To perform a factory reset, press down the pinhole for 5 seconds which sits left of the SIM card slot on the rear side of the D230. All files on the device will be deleted and the D230 will be set to its uninitialized state (AP mode).



# Appendix

## Video Cropping Tools

Choose from the following video cropping tools and download to your Windows/Mac device to make sure your media files meet the right format and resolution play on your D230 device.

### Windows/MAC

- 1 Joyoshare Media Cutter
- 2 Video converter ultimate
- 3 filmora
- 4 FreeCropVideo (easy making of videos) \*only Windows
- 5 Kdenlive
- 6 Movavi video editor

### Online

- 1 Video cutter online



# Video Resolutions

Applicable to the resolution of each division.

	Landscape	Right 90°	Left 90°
Full screen	1920 x 158px	158 x 1920px	
2 divisions	960 x 158px	158 x 960px	
3 divisions	620 x 158px	158 x 620px	
4 divisions	480 x 158px	158 x 480px	



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