Digital Signage

User Manual



V1.0.0

Foreword

General

This manual introduces the functions and operations of the Digital Signage (hereinafter referred to as the "Signage"). Read carefully before using the Signage, and keep the manual safe for future reference.

Symbols

The following symbols might appear in the manual.

Symbol	Description
DANGER	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
NOTE	Provides additional information as a supplement to the text.
TIPS	Provides methods to help you solve a problem or save time.

Revision History

Version	Revision Content	Release Time
V1.0.0	First release.	July 2026

Privacy Protection Notice

As the device user, you might collect the personal data of individuals such as their names, email addresses, face images, audio and fingerprints. You shall be fully responsible for any activities associated with processing personal data. You commit to comply with your local privacy protection laws and regulations to protect the legitimate rights and interests of individuals, and shall implement measures which are required by applicable law, including but not limited to, providing clear and comprehensive information to individuals before processing their personal data, obtaining consent from individuals when necessary, informing individuals of the existence of the surveillance area, and providing required contact information.

Intelligent Product Usage Statement

Intelligent products utilize AI technology to effectively enhance security. The intelligent recognition and alarm functions of the product might be affected by factors such as environmental lighting, camera angles, object obstructions, and network delays, potentially leading to false alarms, missed alerts, or response delays. This intelligent product is solely intended to be used as a security assistance tool. The results from performing identification are for reference only and do not constitute absolute guarantee of personal or property safety. Users need to combine these products with necessary physical security measures to enhance overall protection. Except as otherwise provided by laws or in the event of intentional or gross negligence on the part of the company, the company shall not be liable for any losses caused by the aforementioned factors not attributable to the company.

About the Manual

- This manual is provided for general reference only. Discrepancies might exist between the product and this manual, including but not limited to printed, electronic, or any other editions.

- The manual will be updated according to the latest laws and regulations of related jurisdictions. Specifications and documentation are subject to change without prior notice. For the latest versions, as well as legal notices, consult the printed manual, the product webpage, our official website, or scan the QR code to access the electronic edition.
- The manual will be updated as necessary to reflect product changes and applicable legal requirements. These updates will not diminish your statutory rights, nor will they remove or weaken the safety information or essential instructions provided at the time of purchase.
- Although we make every effort to ensure accuracy, errors or deviations in descriptions of functions, operations, or technical data might occur. If there is any uncertainty or controversy, we reserve the right of final explanation.
- All trademarks, registered trademarks and company names referenced in this manual are the property of their respective owners.

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Transportation Requirements



Transport the device under allowed humidity and temperature conditions.

Storage Requirements



Store the device under allowed humidity and temperature conditions.

Installation Requirements



Stability Hazard
Possible result: The device might fall down and cause serious personal injury.
Preventive measures (including but not limited to):

- Only use cabinets and brackets specified for the device.
- Only use furniture and structures that can safely support the device.
- Do not place the device on the edge of the furniture or structure that is supporting it.
- Always educate children about the dangers of climbing furniture to reach the device and its controller.
- Carefully arrange the cables connected to the device to avoid people tripping over them and pulling on them.
- Make sure that the device is installed on a stable surface.
- Do not put the device on tall furniture, such as cabinets and bookcases, without first ensuring that the supporting structure is stable enough to bear the device.
- Do not place the device on fabric and other similar material.
- Do not place items, such as toys and remote controls, that may entice children to climb on top of the device or furniture on which the device is placed.



- Do not connect the power adapter to the device while the adapter is powered on.
- Strictly comply with the local electrical safety code and standards. Make sure that the ambient voltage is stable and meets the power supply requirements of the device.
- Do not connect the device to two or more kinds of power supplies, to avoid safety risks and damage to the device.
- Please follow the electrical requirements to power the device.
  - Following are the requirements for selecting a power adapter.
    - The power supply must conform to the requirements of IEC 60950-1 and IEC 62368-1 standards.
    - The voltage must meet the SELV (Safety Extra Low Voltage) requirements and not exceed ES-1 standards.
    - When the power of the device does not exceed 100 W, the power supply must meet LPS requirements and be no higher than PS2.
  - We recommend using the power adapter provided with the device.
  - When selecting the power adapter, the power supply requirements (such as rated voltage) are subject to the device label.

- Use the standard power adapter. We will assume no responsibility for any problems caused by the use of a nonstandard power adapter.
- Use the power cords that are recommended for the region and conform to the rated power specifications.



- Personnel working at heights must take all necessary measures to ensure personal safety including wearing a helmet and safety belts.
- Do not place the device in a place exposed to sunlight or near heat sources.
- Keep the device away from dampness, dust, and soot.
- Install the device in a well-ventilated place, and do not block its ventilation.
- The device is a class I electrical appliance. Make sure that the power supply of the device is connected to a power socket with protective earthing.
- When installing the device, make sure that the power plug can be easily reached to cut off the power.
- Install the device on a stable surface to prevent it from falling.
- Use an adapter or cabinet power supply provided by the manufacturer.

Operation Requirements



- The device or remote control contains button batteries. Do not swallow the batteries due to the risk of chemical burns.
  Possible result: The swallowed button battery can cause serious internal burns and death within 2 hours.
  Preventive measures (including but not limited to):
  - Keep new and used batteries out of reach of children.
  - If the battery compartment is not securely closed, stop using the product immediately and keep out of reach of children.
  - Seek immediate medical attention if a battery is believed to be swallowed or inserted inside any part of the body.
- Battery Pack Precautions
  Preventive measures (including but not limited to):
  - Do not transport, store or use the batteries in high altitudes with low pressure and environments with extremely high and low temperatures.
  - Do not dispose of the batteries in fire or a hot oven, or mechanically crush or cut the batteries to avoid an explosion.
  - Do not leave the batteries in environments with extremely high temperatures to avoid explosions and leakage of flammable liquid or gas.
  - Do not leave the batteries in environments with extremely low air pressure to avoid explosions and leakage of flammable liquid or gas.



- In a domestic environment this may cause radio interference in which case you may be required to take adequate measures.
- Ground the device to protective ground before you power it on.



- Use the device under allowed humidity (10%–85% (RH)) and temperature (0 °C to 40 °C, or 32 °F to 104 °F).
- Check whether the power supply is correct before use.
- Do not unplug the power cord on the side of the device while the adapter is powered on.
- Operate the device within the rated range of power input and output.
- Do not drop or splash liquid onto the device, and make sure that there is no object filled with liquid on the device to prevent liquid from flowing into it.

- Do not disassemble the device without professional instruction.
- The corrosion protection level of the device is standard. Do not use it in environments containing high concentrations of corrosive substances such as chlorides or SO_2, for example near the sea or in chemical plants, to avoid damage to the appearance or function of the device.

Maintenance Requirements



DANGER

Replacing unwanted batteries with the wrong type of new batteries might result in explosion.
Preventive measures (including but not limited to):

- Replace unwanted batteries with new batteries of the same type and model to avoid the risk of fire and explosion.
- Dispose of the old batteries as instructed.



- Power off the device before maintenance. Do not use the liquid cleaner or spray cleaner when cleaning the device.
- Use the clean and soft cloth or use the special lens wiping cloth when cleaning the surface of display screen. Do not use the wet cloth to clean the display screen. Otherwise, it may do harm to the screen.
- The appliance coupler is a disconnection device. Keep it at a convenient angle when using it.

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1 Overview

This series of products adopt an industrial design with a sturdy body made of high-strength materials. It is an intelligent display terminal that integrates multimedia information and advertisement release, audio & video access, and network access. It enjoys simple and elegant appearance and uses a grade-A LCD panel that ensures long-lasting and high-definition display.

2 Basic Operations

The remote control supports limited operations: You can use the remote control to turn on or off the screen, turn on, turn off, or restart the Signage, adjust the volume and go back to the home page. We recommend you connect a mouse to operate the Signage. This chapter uses connecting a mouse for device operations as an example.

Supports using a wireless mouse to control the Signage.

2.1 Starting and Shutting Down

- Before starting the Signage, check whether the input voltage matches the rated voltage of the Signage.
- To ensure stable operation and long service life of the Signage and external devices connected to the Signage, follow national standards and provide a power supply with stable voltage and low ripple interference.

Starting the Signage

Plug in the power cable of the Signage. The Signage starts.

Shutting down the Signage

Unplug the power cable. The Signage shuts down.

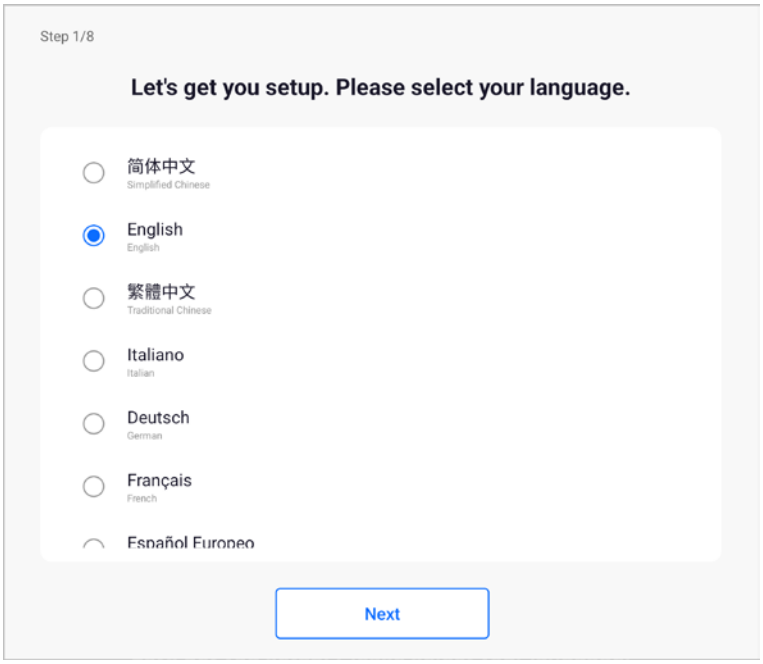
2.2 Initializing the Signage

For first-time use or after restoring the system to factory settings, you need to initialize the Signage. After that, you can start configuring and operating your device.

Procedure

Step 1 Power on the Signage. The Signage starts.
Step 2 Select the language and then click **Next**.

Figure 2-1 Select language



Step 3 Read the privacy policy and the software license agreement, select **I agree to all the contents of the above agreement**, and then click **Next**.

Figure 2-2 Privacy policy

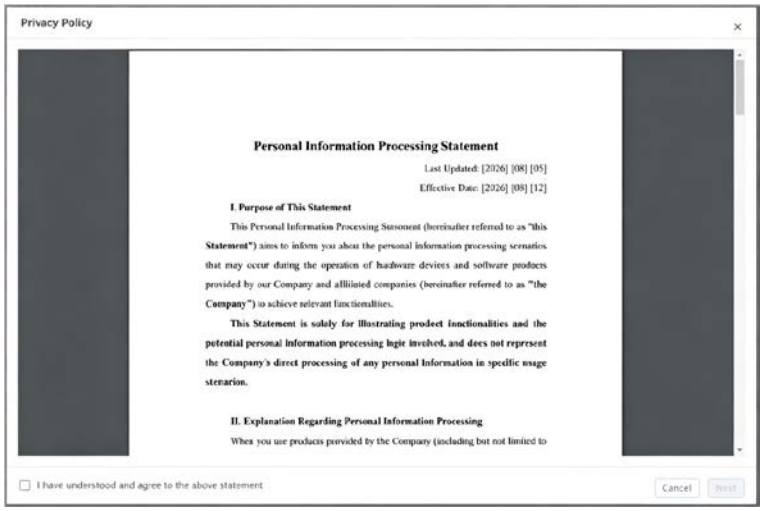
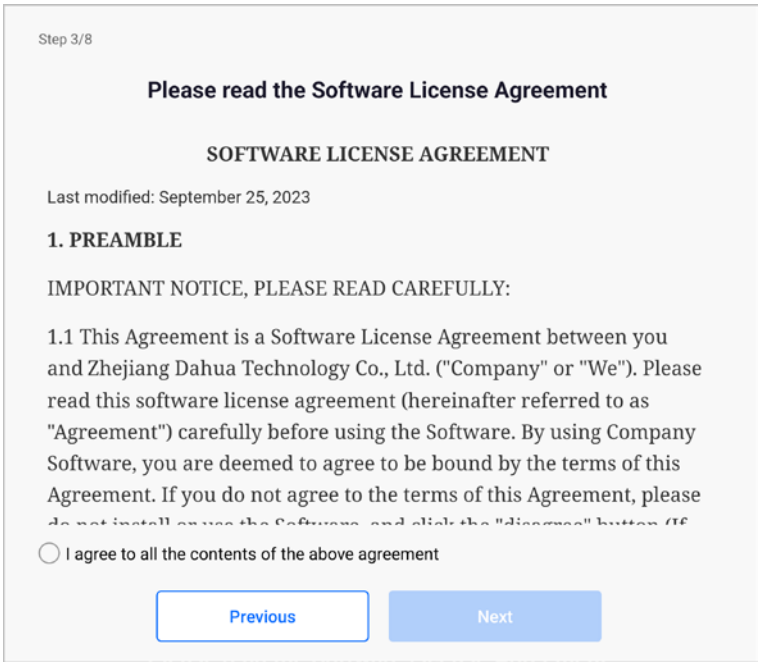


Figure 2-3 Software license agreement

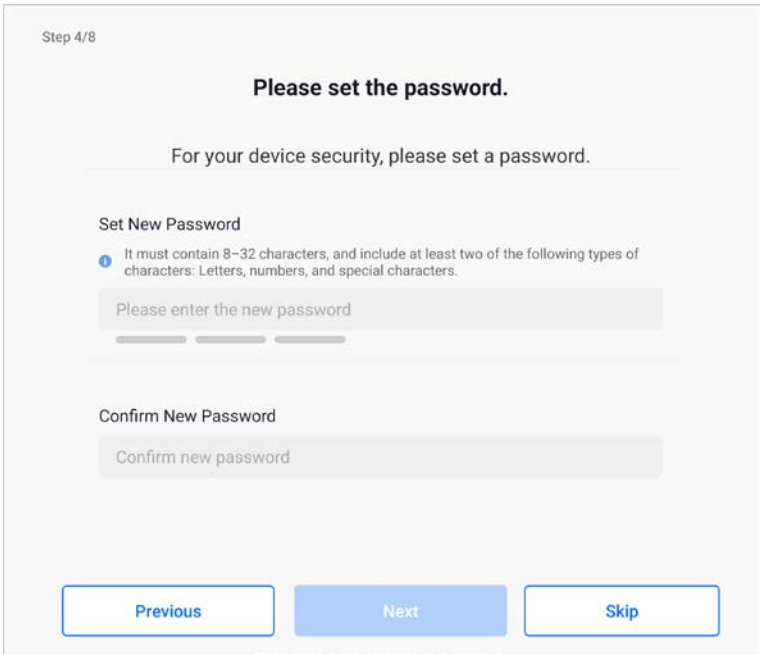


Step 4 Set a password.

Enter the new password, confirm it, and then click **Next**.

Click **Skip** to skip password configuration directly. If you skip this configuration, the information release function cannot be used. To use this function later, reset the password. For details, refer to "4.2.4 Security".

Figure 2-4 Set a password

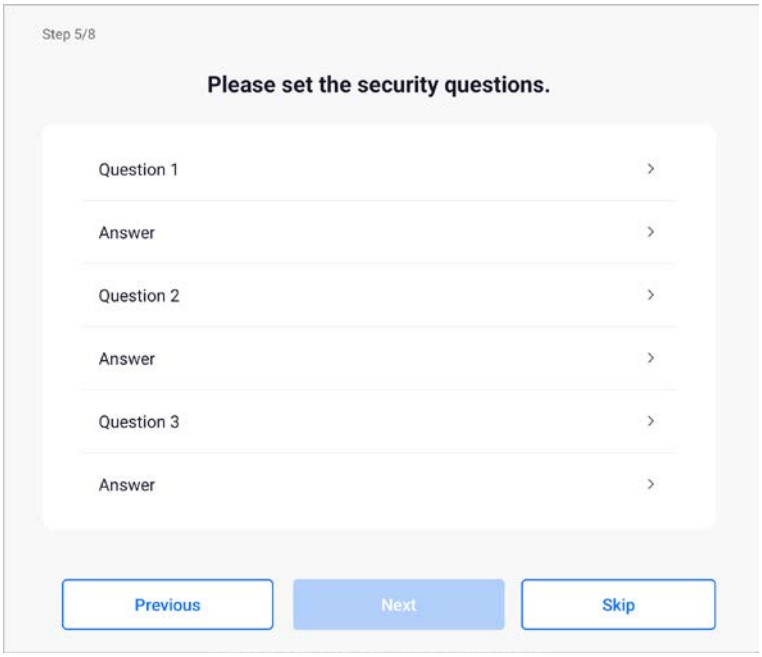


Step 5 Set the security questions.

Click **Skip** to skip setting the security questions directly. If you skip this setting, you cannot retrieve your password through answering security questions if you forget the password.

1. Select the security questions and then configure the corresponding answers.
2. Click **Next**.

Figure 2-5 Set your security questions



Step 6 Configure network settings.

1. Configure the network as required.

Table 2-1 Description of network settings

Network type	Description
WLAN	Select this option if a Wi-Fi network is available nearby. Auto search: Click a Wi-Fi network, enter the password, and then click **Connect**. ● We recommend you choose a secure authentication method to connect to the Wi-Fi. ● When the encryption method is selected as **None**, no password is required. If you do not encrypt your device, it will become open to security risks.
Ethernet	Connect the signage to the network by Ethernet. There are 2 methods to set the IP address of the signage. ● DHCP: When there is a DHCP server on the network, select **DHCP** to allow the signage to get an IP address from the DHCP server automatically. ● Static IP: After you select **Static IP**, configure **IP Address**, **Gateway**, and **Subnet Mask** according to your network plan.

2. Click **Next**.

Figure 2-6 Configure the wireless network

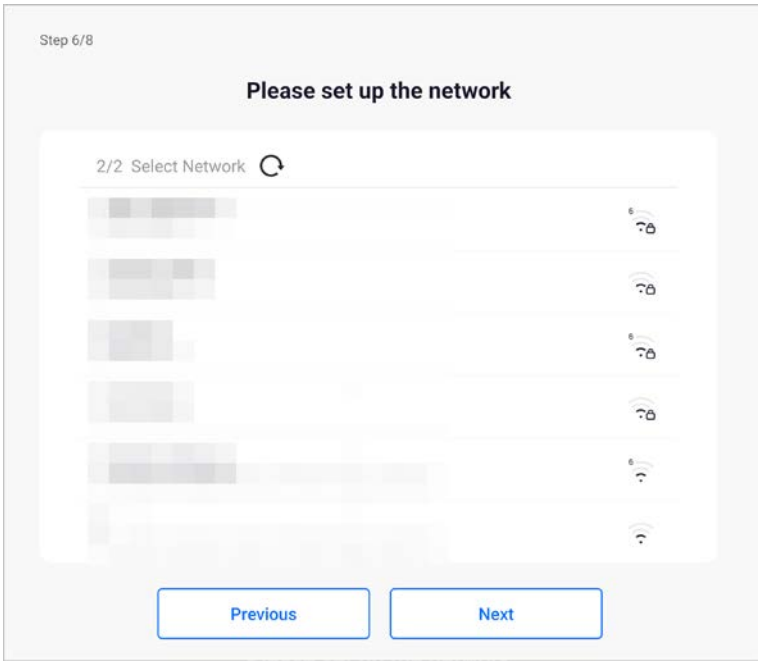
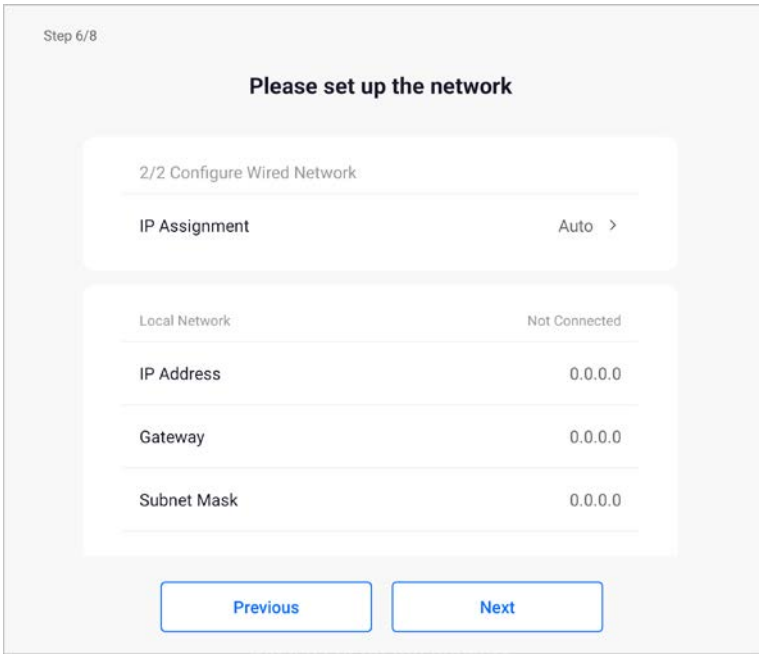


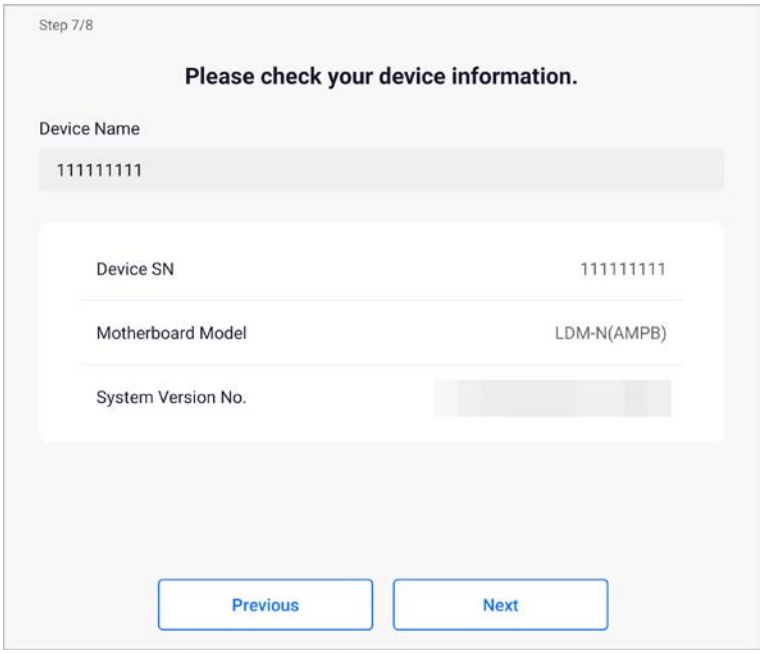
Figure 2-7 Configure the wired network



Step 7 Set device information.

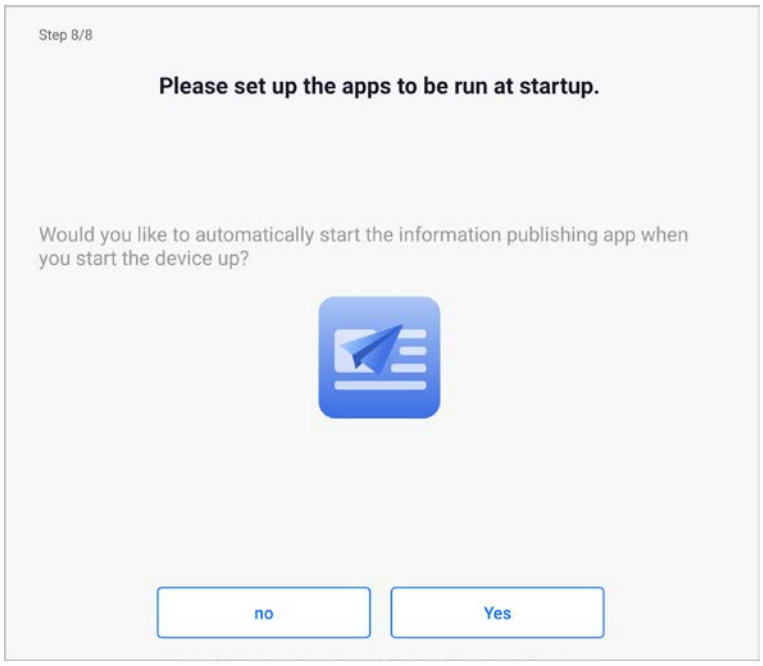
1. Click the device name to set it up.
2. Click **Next**.

Figure 2-8 Configure the device information



Step 8 Set the apps to be run at startup.

Figure 2-9 Set the apps to be run at startup



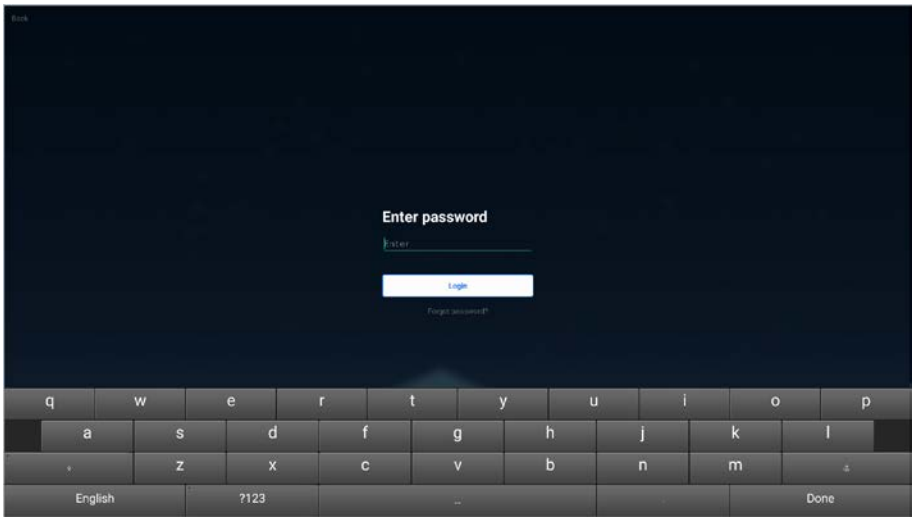
2.3 Login

You need to log in to the Signage for first-time use after initialization, or you lock the screen manually, or the screen is locked automatically after no operation is done for the defined time.

Procedure

Step 1 Click any position on the screen.

Figure 2-10 Login



Step 2 Enter your password.

Step 3 Click **Login**.

The main menu or the page before the system is locked is displayed.

After the password has been incorrectly entered for 5 times, the system will be locked for 5 minutes.

2.4 Quick Toolbar

Move your mouse pointer to the bottom of the page, and the quick toolbar will be displayed.

Figure 2-11 Quick toolbar



Table 2-2 Description of quick toolbar

Icon	Description
	Go to the home page.
	Return to the previous level.
	Adjust the volume.
	Adjust the brightness.
	Select input source from Local and HDMI. Different devices support different input sources. Refer to the actual device.
	Manual lock screen.
	Open file manager.

2.5 Common Configuration Summary

Here is a summary of the frequently used configurations on the Signage.

Table 2-3 Common configuration summary

Configuration	Quick Access
Manage passwords and security questions	See "4.2.4 Security".

Configuration	Quick Access
Configure screen lock time	See "4.2.4 Security".
Configure timed screen on/off, power on/off and restart	See "4.2.5 Power".
Configure input source	See "4.2.3 Input Source".
Configure app auto-launch on startup	See "4.2.6 Application".
Configure volume plan	See "4.2.2 Sound and Display".
Configure brightness schedule	

3 Project Release

You can release projects through network or with local files.

3.1 Network Release

If you want to release projects via the platform for the first time, the Signage must be registered in the accompanying media publishing system. For detailed operations of the media publishing system, refer to its user manual.

3.1.1 Configuration Flow

Complete the configuration flow to release projects via the network.

Figure 3-1 Configuration flow of network release



Table 3-1 Configuration flow (network release)

Operation	Description
Log in	Log in and configure the Signage.
Configure network	Connect the Signage to the network.
Register the Signage to the platform	After registering the Signage to the platform, you can release projects and operate the Signage through the platform.
Release project through the platform	After adding media and configuring project plans on the platform, the project can be played on the Signage. For details, see the user manual of the platform.

3.1.2 Connecting the Signage to Network

Connect the Signage to a wired or wireless network.
For detailed operations, see "4.1 Network Settings".

3.1.3 Registering the Signage to the Platform

After being registered to the platform, the Signage can release projects issued by the platform.

Background Information

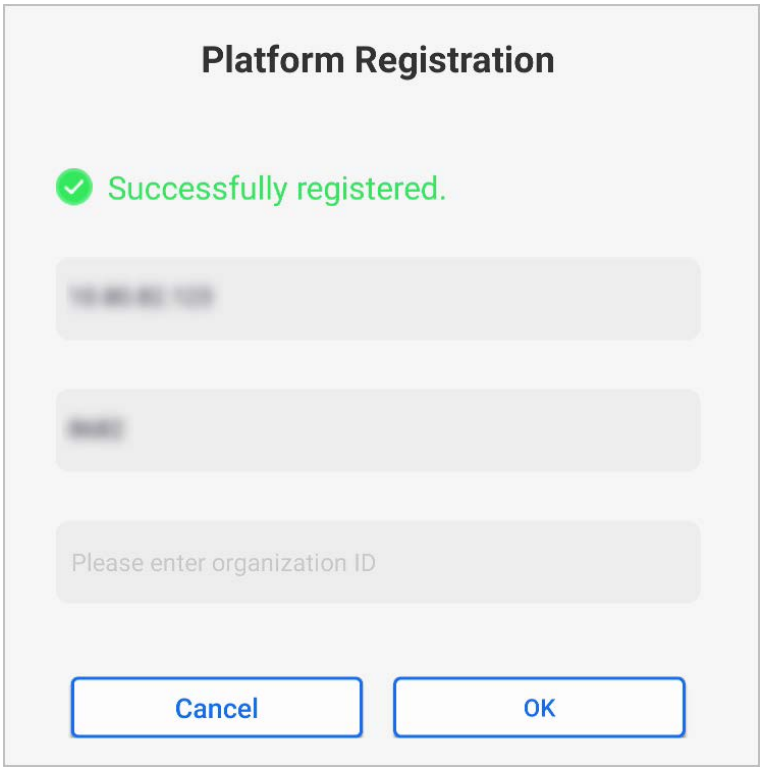
Signages with V4.1 or later versions must be added to the platform before they can go online. For detailed information, refer to the platform user manual.

Procedure

Step 1 Click **Publisher Player** on the home page to set the platform server's IP address or domain name, port number, and organization ID.

- The organization ID on the Signage side can be left blank.
- The organization ID is the terminal group ID on the platform.
- When the Signage is manually moved to a group on the platform, the organization ID will be automatically assigned to the Signage.
- Platform users can only manage devices associated with their own organization.

Figure 3-2 Platform registration settings



Step 2 Click **OK**.
After successful registration, **Successfully registered.** will be displayed.

3.1.4 Releasing Projects Issued by the Platform

After being registered to the platform, the Signage can release projects issued by the platform.

Prerequisites

- The Signage and the platform are connected to the same network.
- The platform's IP address and the Signage's registration port number are acquired.

Procedure

Step 1 Click **Publisher Player** on the home page, and then click **Network Release**.
Step 2 Projects issued by the platform are available for being released.

3.2 Local Release

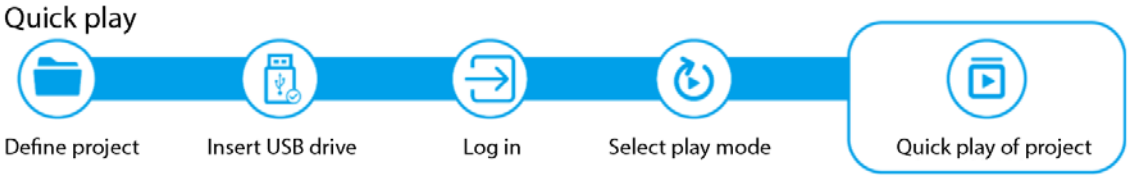
Add videos or pictures to projects, and then release projects locally through **General Template** or **Industry Template**.

3.2.1 Configuration Flow

Local release includes releasing projects through general templates or industry templates. You can select **Quick Play** and **Custom Play** in **General Template**, and you can also select **Face Attendance**,

Advertising, **Video Surveillance**, and **People Counting** in **Industry Template**.

Figure 3-3 Local release (general template)



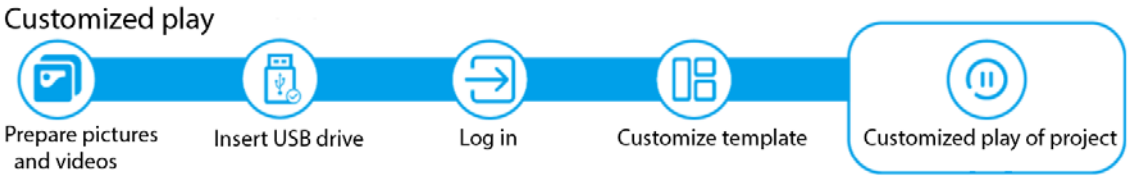
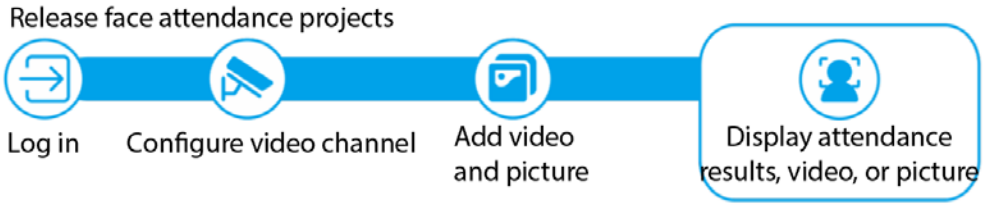
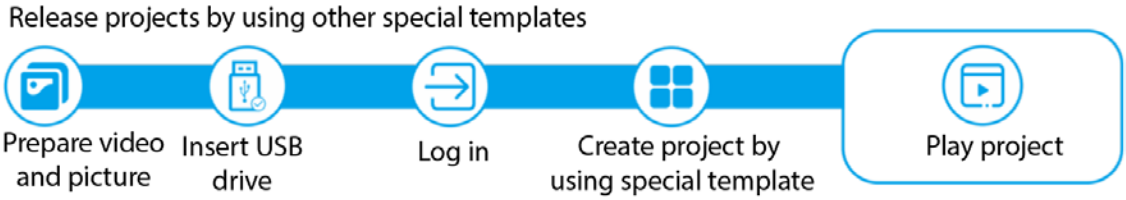


Figure 3-4 Local release (industry template)





3.2.2 Releasing Projects by General Templates

General templates include quick play templates and custom play templates.

3.2.2.1 Quick Play

Use the given templates to quickly release projects. The Signage supports releasing images, videos, and PDF files, and supports setting audio files (such as mp3) as the background music.

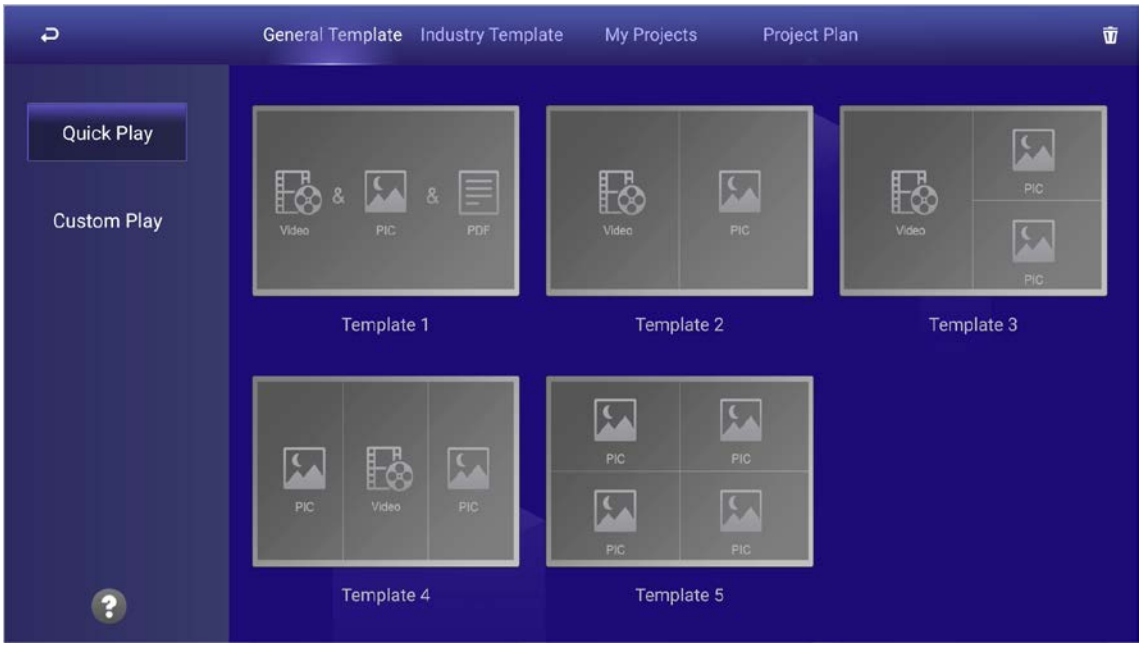
Procedure

Step 1 The **USBPLAY** folder is created on the USB drive, and the projects to be released are added to the folder.
The file name must be in all uppercase letters.

Step 2 Insert the USB drive into the Signage.

Step 3 On the homepage, select **Publisher Player** > **Local Release** > **General Template** > **Quick Play**.

Figure 3-5 Quick play



Step 4 Select a template.

The Signage releases media from the USBPLAY folder on the USB drive. PDF files are supported only when Template 1 is selected. For the specific types of media supported by each template, please refer to the icons on the template. A picture is displayed for 10 seconds by default and a video to the end.

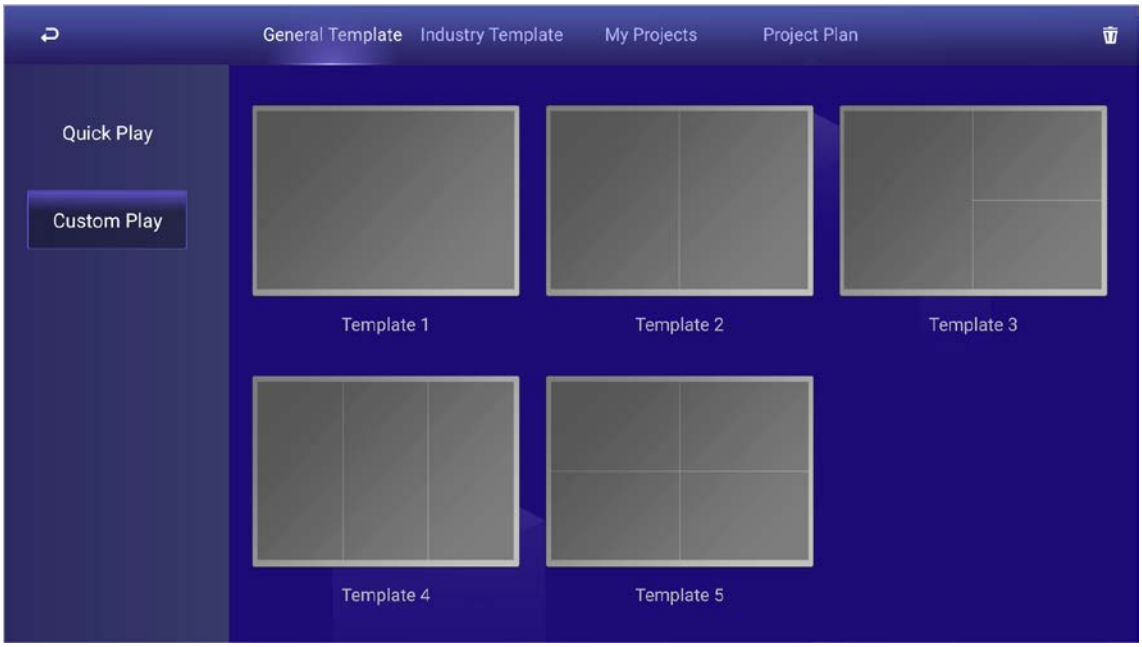
3.2.2.2 Custom Play

Customize templates to release different media, such as images, videos, and PDF files.

Procedure

Step 1 On the homepage, select **Publisher Player** > **Local Release** > **General Template** > **Custom Play**.

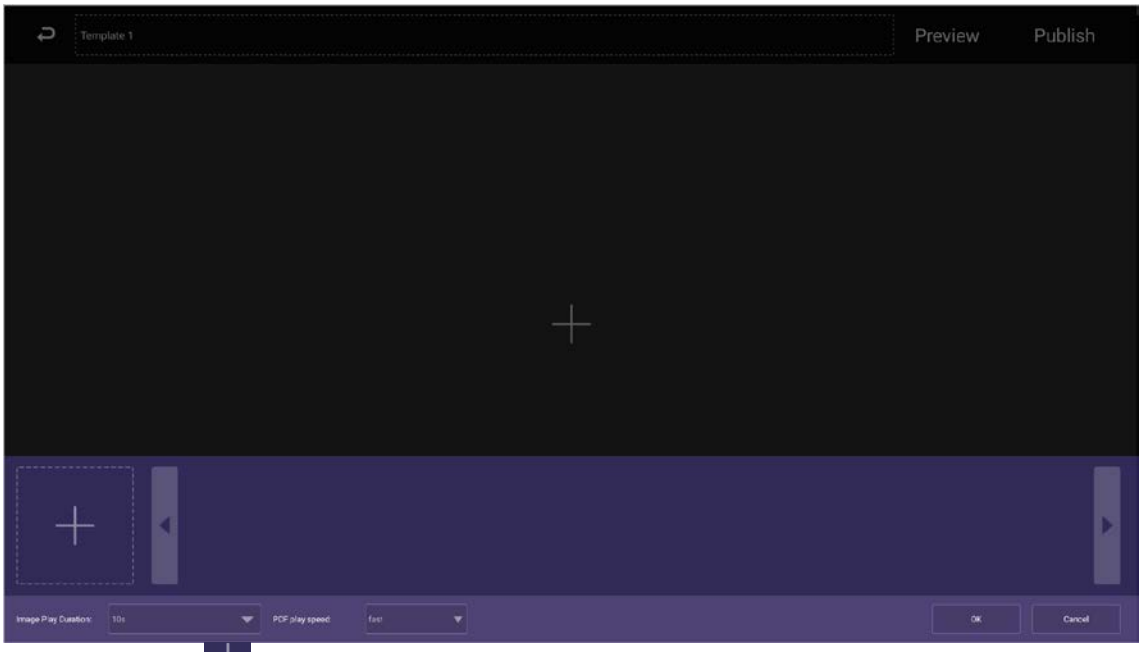
Figure 3-6 Custom play



Step 2 Click a template that you want to define.

1) Click .

Figure 3-7 Add media



2) Click , select the media, and then configure the image play duration as needed.

- Images are displayed for 10 seconds by default.
- The PDF play speed is set to **Fast** by default.
- Supports uploading multiple media. After adding the media (pictures and videos), you can drag the media to sort them.
- Hover the mouse pointer over the media, and then click to delete the media.

3) Click **OK**.

Step 3 Click **Preview** to preview the added media.

Step 4 Click **Publish** to release the media according to the set template.

3.2.3 Releasing Projects by Industry Templates

Industry templates include face attendance templates, advertising templates, video surveillance templates and people counting templates. Templates imported from the platform can also be used.

3.2.3.1 Configuring Face Attendance Template

Add a camera channel to the Signage, and then the face information captured by the camera will be displayed, such as capture time, and the similarity between the faces captured and faces saved in the database.

Prerequisites

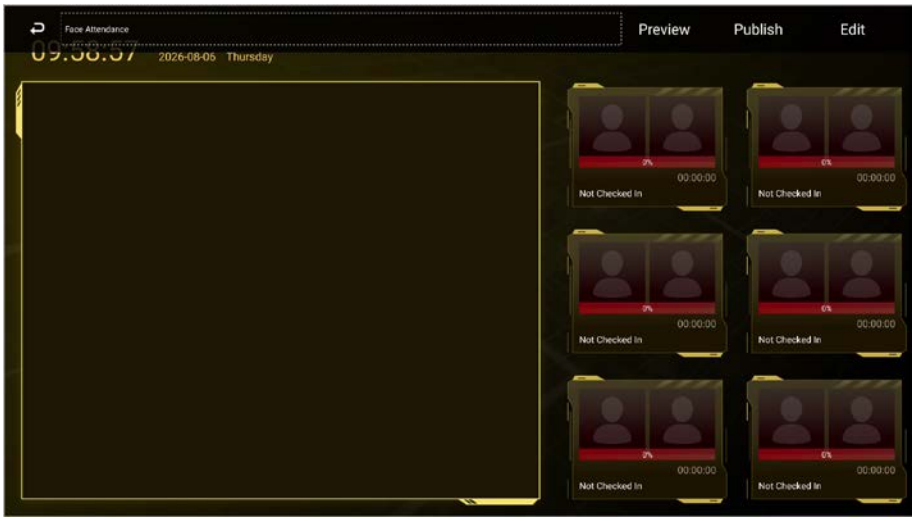
- The Signage, your camera, and the platform (for example DSS) are connected to the same LAN (Local Area Network).
- Your camera supports face detection and face comparison, and face database is configured.

Procedure

Step 1 On the homepage, select **Publisher Player** > **Local Release** > **Industry Template**.

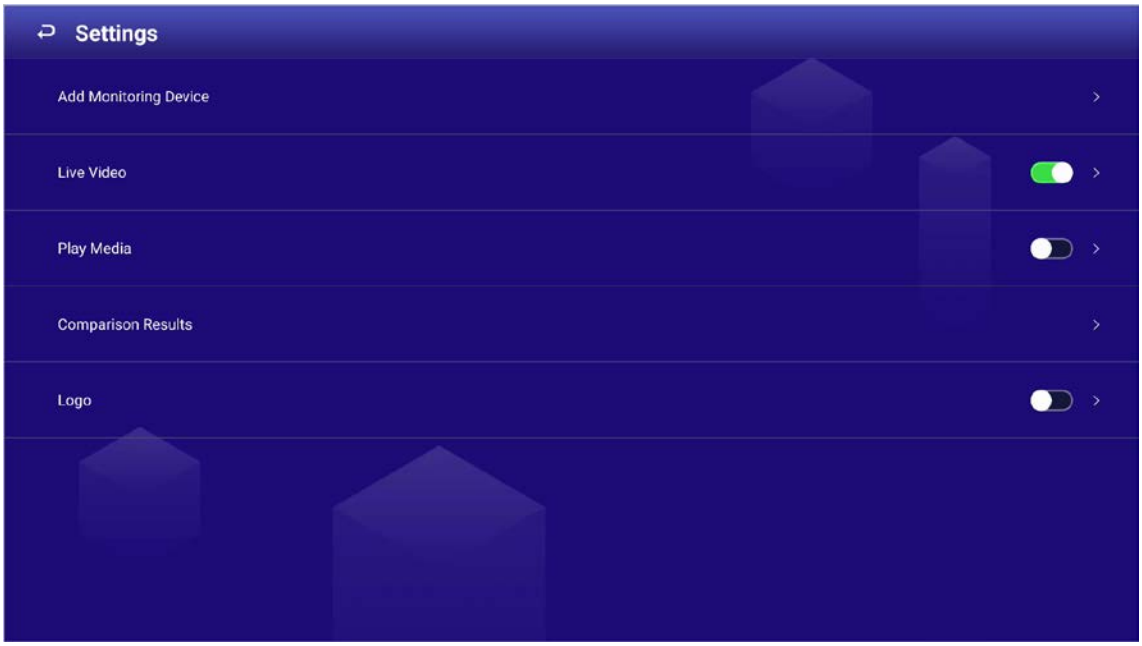
Step 2 Click **Face Attendance**.

Figure 3-8 Configure face attendance template



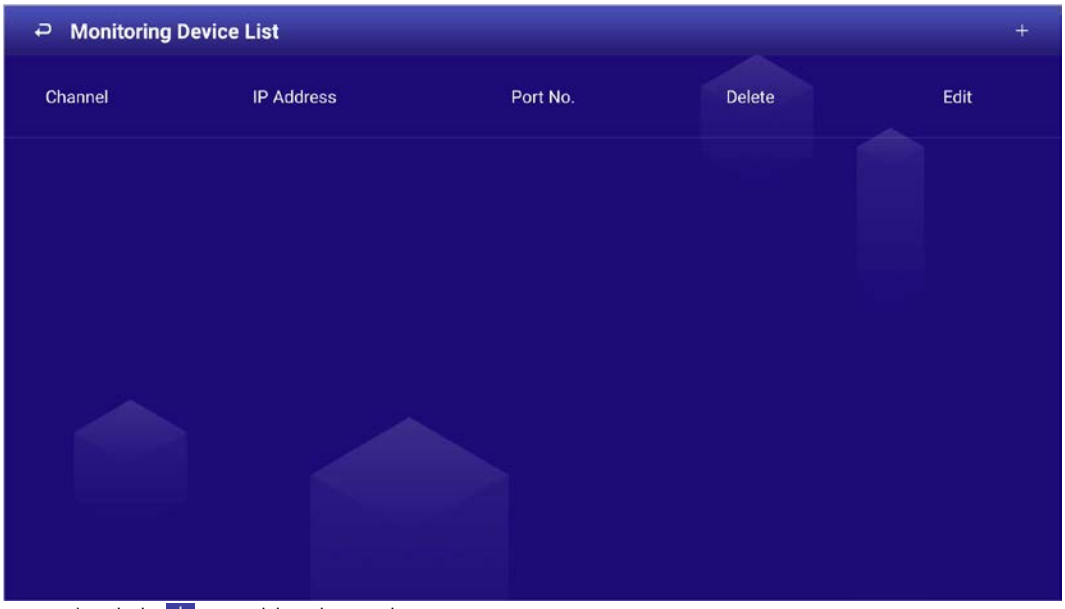
Step 3 Click **Edit** on the upper-right corner.

Figure 3-9 Setting



1) Click **Add Monitoring Device** to view the monitoring device list.

Figure 3-10 View monitoring device list



2) Click + to add a channel.

Figure 3-11 Add monitoring device



Table 3-2 Description of adding monitoring device

Parameter	Description
IP Address	The IP address of the Signage, the platform, or the client.
Username	When adding a device, enter the username and password for logging into the device.
Password	
Port No.	Port for logging in to an IP camera or the platform.
Channel No.	When adding a device, set the channel number to 1.
Bit Rate	Select **Main Stream**, **Sub Stream1** or **Sub Stream2**.

3) Click **OK**.
4) Configure other parameters.

Table 3-3 Description of other parameters

Parameter	Description
Live Video	● Select **Split Screen**. The Signage supports 1 split, horizontal 2 splits, vertical 2 splits, 3 splits, and 4 splits. ● Select **Switching Time (sec)**. ● **Select Channel**: Select the channel to be played in each window.
Play Media	a. Click  to enable the function, and then click . b. Click  to add media (pictures or videos). ● Drag the media to sort the media. ● Configure the image play duration. The duration is set to 10 seconds by default. ● Select media, and then click  to delete it.  Only one kind of media can be played at a time.
Comparison Results	Enable or disable the following functions. ● Display successful comparison results: Click  to set the broadcast content when face comparison succeeds. You can select **Successful Checked in**, **Compared**, **Scheduled**, or manually enter the content. ● Display failed comparison results: Click  to set the broadcast content when face comparison fails. You can select **Stranger**, **Failed to Compare**, **Not Scheduled**, or manually enter the content. ● Credential No.: Supports the display of credential numbers when it is enabled. ● Temperature: Supports the display of temperature when it is enabled.
LOGO	a. Click . b. Click  to add a picture. c. Enable the function.  The width and height of the image to be uploaded must not exceed 580 pixels and 140 pixels respectively.

Step 4 Click **Preview** to preview the added media.

Step 5 Click **Publish** to release the media according to the set template.

3.2.3.2 Configuring Advertising Templates

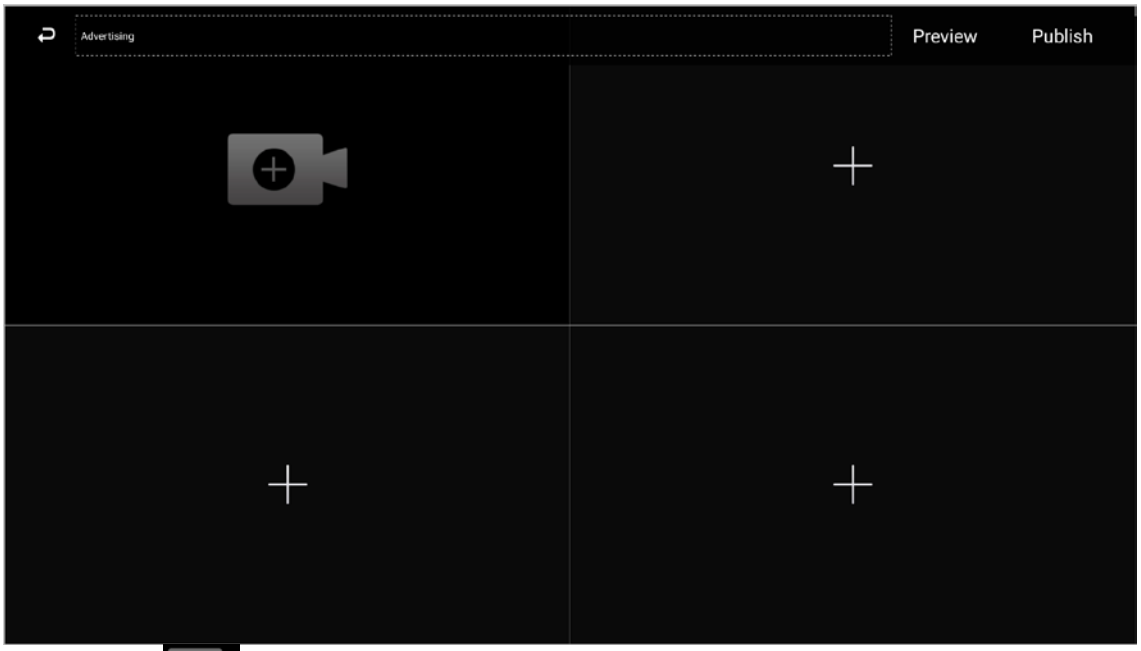
Add a monitoring device in any template in the same way as in this template. Take this template as an example for introduction.

Procedure

Step 1 On the homepage, select **Publisher Player** > **Local Release** > **Industry Template**.

Step 2 Click **Advertising**.

Figure 3-12 Advertising template



Step 3 Click  to add a monitoring device.

Figure 3-13 Add monitoring device

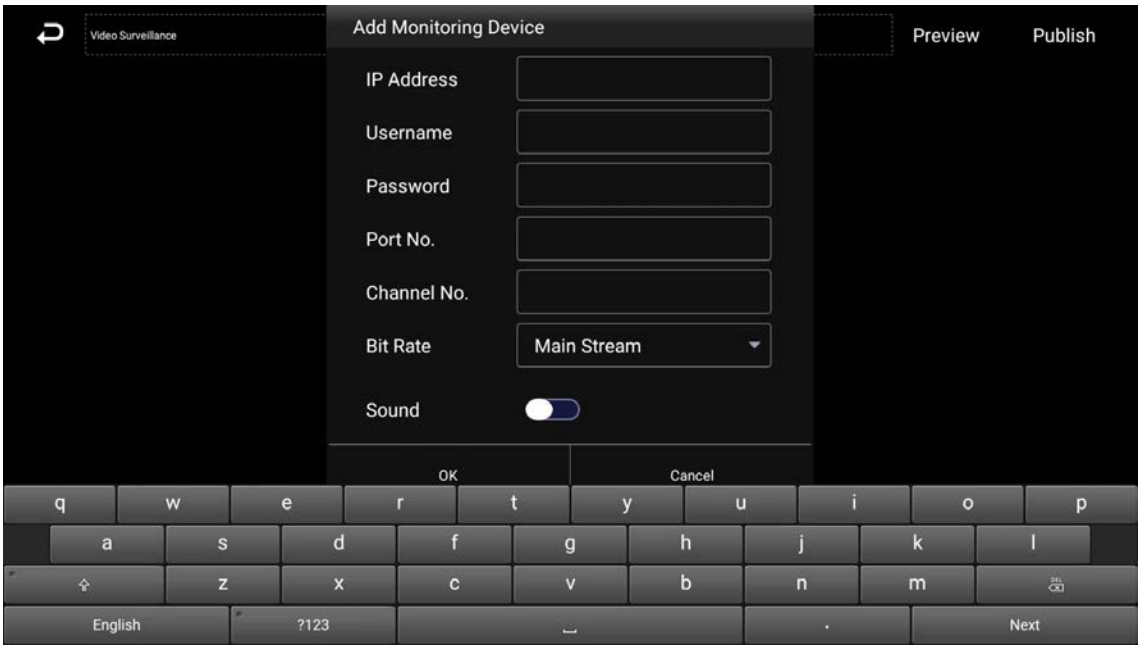


Table 3-4 Monitoring device parameters

Parameter	Description
IP Address	The IP address of the monitoring device.
Username	The username and password for logging into the monitoring device or the associated platform.
Password	
Port No.	The port number for logging into the monitoring device.
Channel No.	The remote channel number connected to the monitoring device.
Bit Rate	Select **Main Stream**, **Sub Stream1** or **Sub Stream2**.

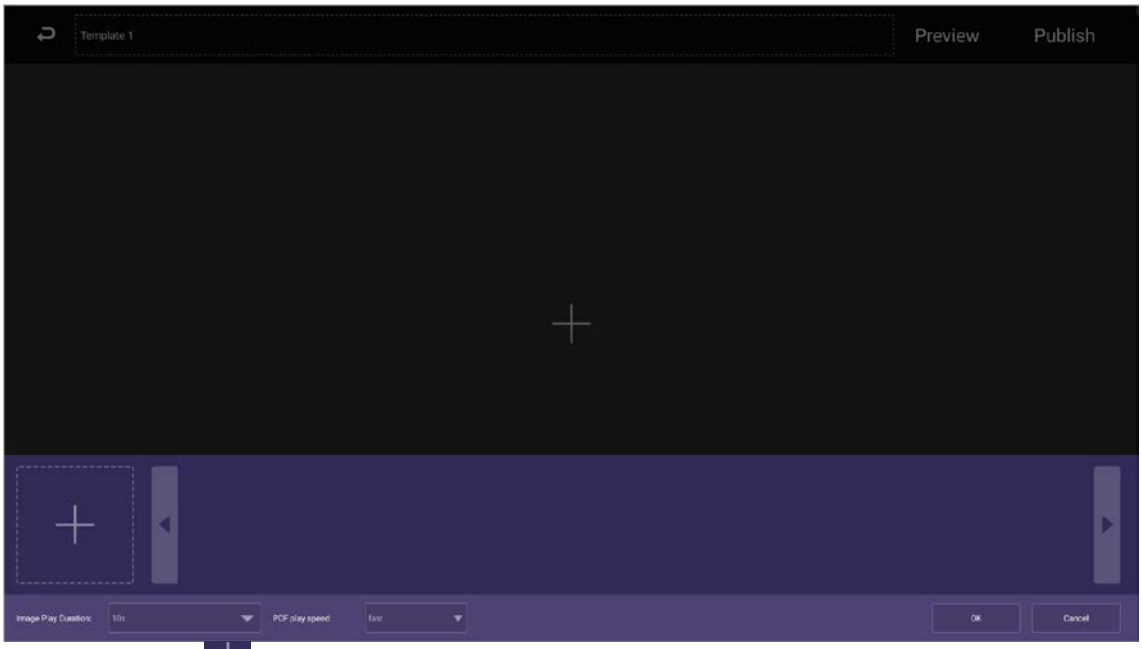
Parameter	Description
Sound	When enabled, it plays the real-time audio captured by the monitoring device. This feature is supported when there is a front-end device.

Step 4 Click **OK**.

Step 5 Click to add advertising media.

1) Click on the page.

Figure 3-14 Add media



2) Click , select the media, and then configure the image play duration as needed.

- Images are displayed for 10 seconds by default.
- The PDF play speed is set to **Fast** by default.
- Supports uploading multiple media. After adding the media (pictures and videos), you can drag the media to sort them.
- Hover the mouse pointer over the media, and then click to delete the media.

3) Click **OK**.

Step 6 Click **Preview** to preview the added media.

Step 7 Click **Publish** to release the media according to the set template.

3.2.3.3 Importing Templates from the Platform

Import templates created by the platform to quickly release projects. Supports importing media when importing templates.

Prerequisites

The template has been already exported from the platform. If you choose to export media when exporting a template, the exported file contains both the template and media.

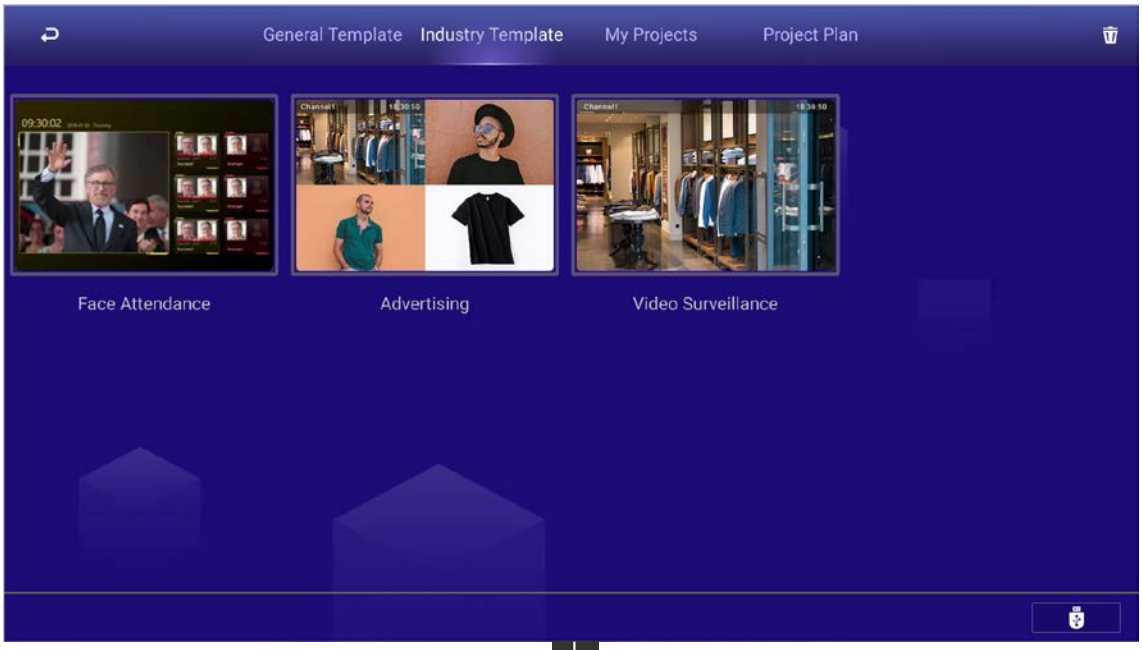
Procedure

Step 1 Import the template created by the platform.

1) Create a new folder named **TEMPLATE** on the USB drive.
2) Copy the files exported from the platform to the **TEMPLATE** folder.
3) Insert the USB drive to the Signage.
4) Select **Publisher Player** > **Local Release** > **Industry Template**, and then click  on the lower-right corner.
5) On the pop-up page, click **OK**.
   The Signage starts to importing the template.

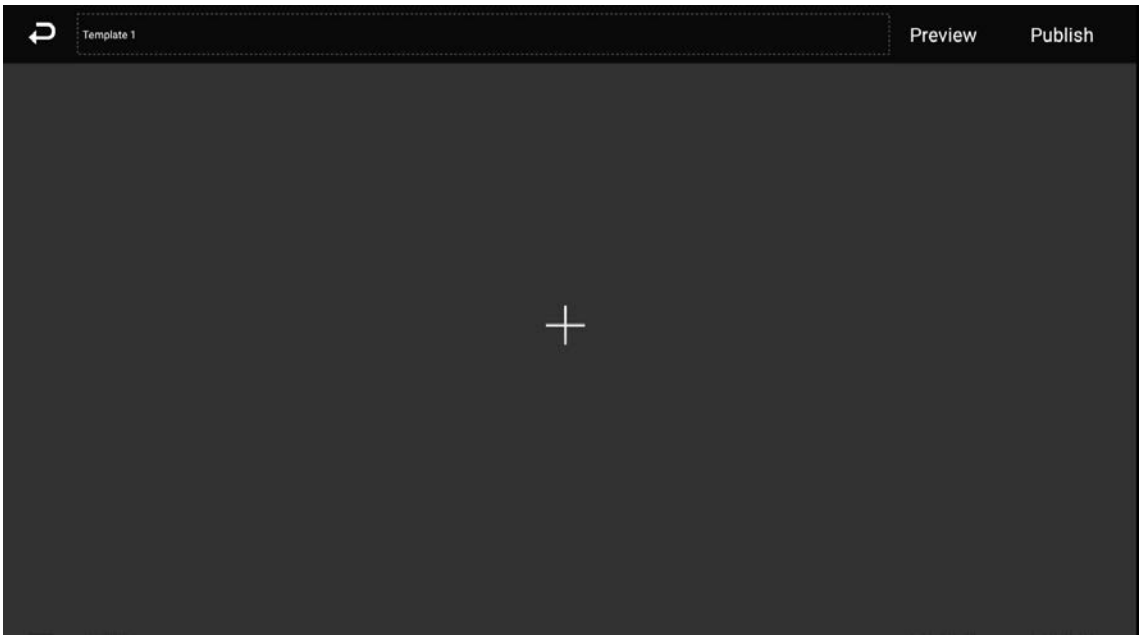
Step 2 Click the imported template.
The imported template shows  on the upper-right corner.

Figure 3-15 Templates imported from the platform



Step 3 Modify the name of the template. Click  to add more media.

Figure 3-16 Edit the template



Step 4 Click **Preview** to preview the added media.
Step 5 Click **Publish** to release the media according to the set template.

3.2.4 Managing My Projects

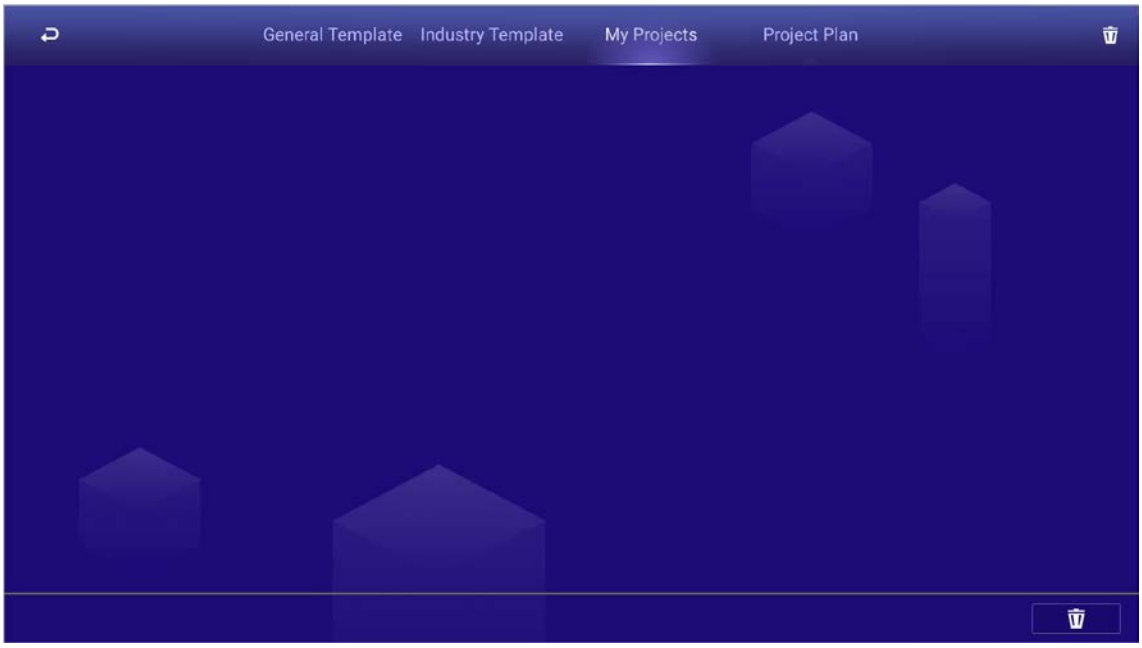
Manage the released projects.

On the homepage, select **Publisher Player** > **Local Release** > **My Projects**.

You can also:

- Click a project, and release the selected project.
- Click , and then select a project to delete this project.

Figure 3-17 My projects



3.2.5 Project Plan

Play the project in a loop within the set loop period. Supports the custom plan or the plan imported from the platform.

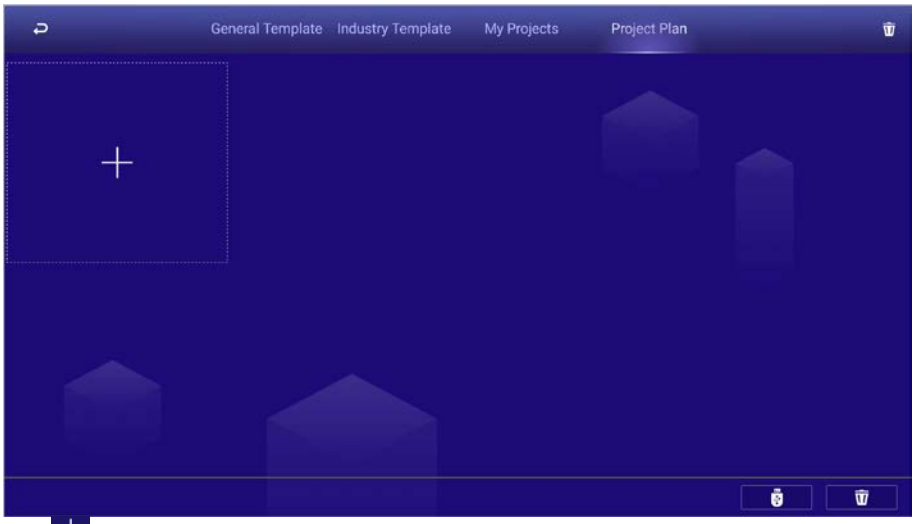
3.2.5.1 Customizing Project Plan

Configure which and when projects will be played.

Procedure

Step 1 On the homepage, select **Publisher Player** > **Local Release** > **Project Plan**.

Figure 3-18 Project plan



Step 2 Click .

Step 3 Click **Add Loop Period** to configure the loop period.

Click **Delete** to delete this loop period.

- Repeat the steps to add more loop periods.
- Up to 30 loop periods can be added.

Figure 3-19 Add loop plan



Step 4 Click to add a loop period.

Figure 3-20 Add loop period



Step 5 Click to add a project.

Figure 3-21 Add project



Step 6 Select a project, and then click **OK**.

Step 7 Click **Save** to save the project.

Step 8 Click **Publish** to play the project according to the set loop period.

3.2.5.2 Importing Plan from the Platform

Prerequisites

The project plan has been already exported from the platform.

Procedure

Step 1 Create a new folder named **DAILYPLAN** on the USB drive.

Step 2 Copy the project exported from the platform to the **DAILYPLAN** folder.

Step 3 Insert the USB drive to the Signage, and then click **OK** to import the project.

Step 4 Click the imported project to check the information.

The imported project shows  on the upper-right corner.

- If the imported project is expired, the project details cannot be viewed.
- If the current time is within the scheduled time, the Signage goes to the network release page to display the specific project.
- If the current time is not in the scheduled time, the Signage goes to the network release page, but no project will be displayed.

4 System Configuration

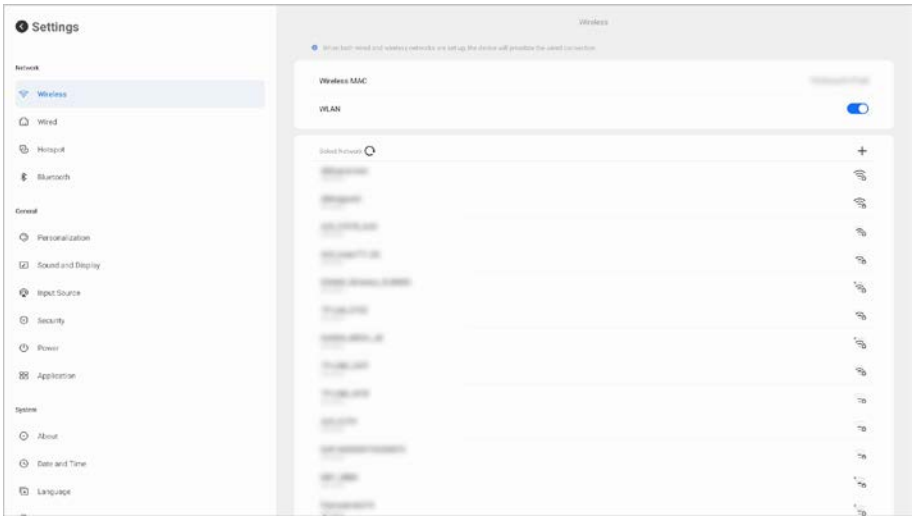
4.1 Network Settings

- Network setting priority: **Wireless** > **Wired**.
- You cannot enable **Wireless** or **Hotspot** at the same time.

4.1.1 Wireless

On the homepage, select **Settings** > **Wireless**, and then enable **WLAN**.

Figure 4-1 Wireless



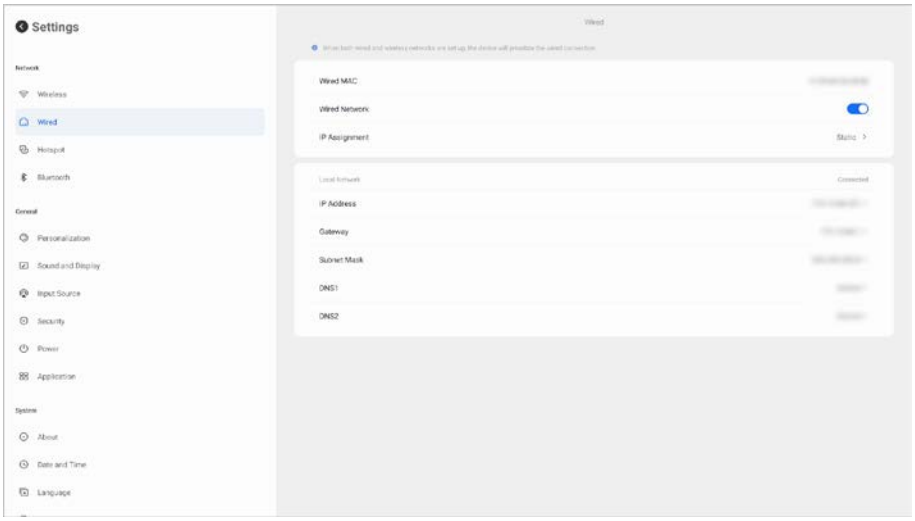
- Connect to an existing network: Click the network in the list, enter the password, and then connect.
- Add network manually: Click +, enter the network's SSID, select the encryption type, and then enter the password.

- When you select **Encryption Method** as **None**, no password is required. If you do not encrypt your device, it will become open to security risks.
- When the static IP feature is enabled, the Device will connect to Wi-Fi using a static IP address. You must configure the IP address, subnet mask, gateway, and DNS addresses.
- The Device must be placed no more than 5 meters away from the Wi-Fi router, and shall be placed away from load-bearing walls and metal obstructions, ensuring the signal strength is no less than 2 bars.

4.1.2 Wired

On the homepage, select **Settings** > **Wired**, and then enable **Wired Network**.

Figure 4-2 Wired



Configure the IP assignment method.

- Auto: After selecting **DHCP**, the device automatically receives an IP address from the DHCP server.
- Manual: After selecting **Static**, click **IP Address**, **Gateway** and **Subnet Mask**, and then enter the IP Address, the gateway, the subnet mask and the DNS of your network plan.

4.1.3 Hotspot

Procedure

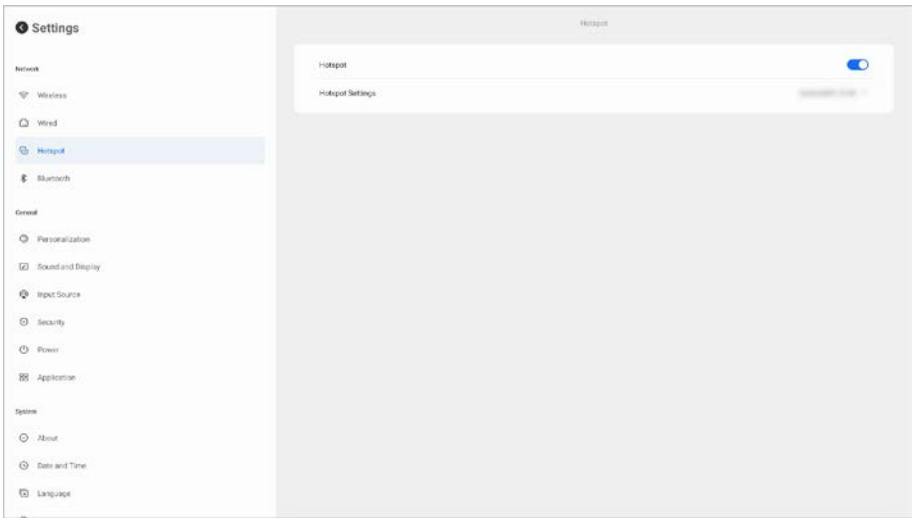
Step 1 On the homepage, select **Settings** > **Hotspot**.

Step 2 Enable **Hotspot**.

Step 3 Click **Hotspot Settings** to configure the SSID, the encryption method, the password and the frequency band of your hotspot.

- When **Hide SSID** is enabled, other devices will no longer detect the network; connections must be established by manually adding it.
- When you select **Encryption Method** as **None**, no password is required. If you do not encrypt your device, it will become open to security risks.

Figure 4-3 Hotspot



4.1.4 Bluetooth

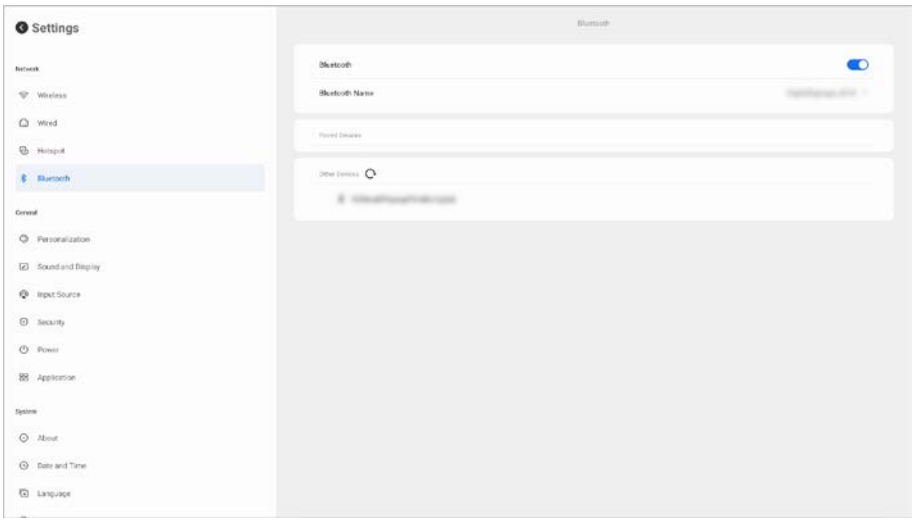
Procedure

Step 1 On the homepage, select **Settings** > **Bluetooth**.

Step 2 Enable **Bluetooth**.

Step 3 Click **Bluetooth Name** to modify the name of your Bluetooth.

Figure 4-4 Bluetooth



Step 4 Pair with other devices.

The device's Bluetooth only supports actively initiating connections outward, remains silent with no broadcasting, and cannot be discovered by other devices.

1. Click a Bluetooth device in the list to pair.
2. Click **OK**; once pairing is complete, view the device under **Paired Devices**. Click to remove the paired devices.

4.2 General Settings

4.2.1 Personalization

On the homepage, select **Settings** > **Personalization**.

Table 4-1 Description of personalization settings

Feature	Description
Wallpaper	Set the background image displayed on the home screen. ● The system provides 8 wallpapers by default. ● You can upload the desired wallpaper. The 16:9 ratio or the 9:16 ratio is recommended.

Feature	Description
Startup Logo	Set the startup logo. Click **Custom** in any view to modify its corresponding logo image. Only the bmp format image with 16-bit RGB565 is supported, and the image resolution must not exceed 1080p.

4.2.2 Sound and Display

On the homepage, select **Settings** > **Sound and Display**.

Modifying this setting might cause the device power to increase. Confirm before making changes.

Table 4-2 Description of sound and display settings

Feature	Description
Image Effect	You can modify **Hue**, **Contrast**, and **Saturation**. Their default values are 50. Click ↻ to restore to the default values.
Volume Settings	Adjust the Device's volume. ● Current Volume: Display the Device's current volume. ● Default Volume: Manually set the volume; regardless of any volume plans, the default volume is used. ● Volume Plan: When the feature is enabled, click + and set start/end times; and the volume during these periods can still be adjusted manually. Up to 5 schedules are supported.

Feature	Description
Backlight Brightness	Adjust the Device's screen brightness. ● Current Brightness: Display the Device's current brightness. ● Auto Adjustment: When the feature is enabled, the Device will automatically adjust the screen brightness based on the ambient environment. ● Default Brightness: Manually set the brightness, regardless of any brightness plans, the default brightness is used. ● Brightness Plan: When the feature is enabled, click + and set start/end times; and the brightness during these periods can still be adjusted manually. 📖 ● Up to 5 schedules are supported. ● When the device enables automatic adjustment and the brightness plan is activated, the brightness during the planned time period will be displayed according to the preset values; outside the planned time period, the device reverts to automatic adjustment. If automatic adjustment is disabled and the brightness plan is enabled, the device will revert to the default brightness outside the planned time period. ● Automatic adjustment is not a standard feature; it requires the device to come with an ambient light sensor to use this feature. ● If the device hardware does not support automatic adjustment, selecting the **Auto Adjustment** mode will cause the system to retain the most recently manually set brightness value. If no manual adjustment has been made previously, the default brightness will be maintained.
Screen Rotation	Configure the screen orientation. The default option is **Horizontal (0°)**, and other options include: ● Horizontal (0°) ● Vertical (90°) ● Horizontal (180°) ● Vertical (270°)

4.2.3 Input Source

On the homepage, select **Settings** > **Input Source**.

Table 4-3 Description of input source

Feature	Description
Default Startup Channel	Configure the startup channel. Options include **Last Channel**, **Local**, **HDMI 1**, and other connected input sources. 📖 The last channel refers to the input source the device uses after restarting, which matches the state when it was last turned off.
HDMI Display Direction	Configure the HDMI display direction. Options include **0°**, **90°**, **180°**, and **270°**. The default is 0°.

Feature	Description
HDMI Display Effect	Configure the HDMI display effect. Options include **Full Screen in Equal Ratio** and **Full Screen**.  ● Full Screen in Equal Ratio: The image is scaled while keeping the original aspect ratio strictly unchanged. If the ratio does not match the screen, black bars or blank areas will appear on the edges to prevent distortion. ● Full Screen: The image is forcibly stretched in width and height to fit the screen edges completely, filling the entire display area. However, this might distort the image or cause the aspect ratio to be off.
Wait Time when No HDMI Signal	Configure the wait time when there is no HDMI signal. Options include **10 sec**, **1 min**, **5 min**, **10 min**, **30 min**, and **Forever**.
Show Screen After Timeout from No HDMI Signal	Configure the displayed image when there is no HDMI signal. Options include **Local** and **Shutdown**.
Select Input Source	Select the current connected input source. Options include **Local**, **HDMI**, and other connected input sources.

4.2.4 Security

On the homepage, select **Settings** > **Security**.

Table 4-4 Description of security settings

Feature	Description
Screen Lock Time	Set the screen-lock time. Options include **1 min**, **3 min**, **10 min**, and **Never**.  When the screen lock time is configured as **Never**, the device can be operated without logging in. Please be aware of the security risks.
Password	To change the device password, click **Password**, enter the old password, set a new one, confirm it, and then click **Confirm**.
Security question	Set or update security questions. For example, click **Question 1** to select a question, click **Answer**, enter your answer, and then click **Confirm**. After completing all questions, click **Confirm** again.  Password recovery is only possible after security questions are configured or security email is configured.

Feature	Description
Password Validity Period	Change the password validity period; the default option is **Always Valid**, with other options of **180 Days** and **30 Days**. When the password is about to expire, you'll be prompted to change it at login.
Security Email	Configure a security email for password recovery.
Allowlist	Once the feature is enabled, only IP addresses in the allowlist can connect to the Device. ● Click + to add an IP address. ● Click 🗑 to delete an IP address.
Disable External Storage	When the feature is enabled, the Device will not recognize external storage devices (e.g., USB drives, TF cards); USB peripherals like mice remain unaffected.
Use Password to Verify Installation	When the feature is enabled, a password is required to install any application.
Turn off Touch	When the feature is enabled, the touch control cannot be used. Touchscreen only.
Device Management App	Adjust advanced permissions for installed applications.

4.2.5 Power

On the homepage, select **Settings** > **Power**.

Plan priority: Custom (cross day) > custom (current day) > by week.

Table 4-5 Description of power management

Feature	Description
Auto Turn On/Off Display	Configure weekly or custom plans. Custom plans include **Custom (Current Day)** and **Custom (Cross Day)**. Click + to set the on/off times and the days when the plan applies.
Auto Turn On/Off Power	
Auto Restart	Create a restart plan by setting the restart time and the days it should run.
Restart	Click **Restart**; after confirmation, the Device will restart immediately.

4.2.6 Application

On the homepage, select **Settings** > **Application**.

Table 4-6 Description of application management

Feature	Description
Run at Start up	Configure apps that run automatically at startup. By default, **Publisher Player** runs automatically at startup.
Desktop Management	Configure the apps shown on the desktop—the desktop supports up to 8 apps.
Installed Apps	View or uninstall installed applications.  After the app is uninstalled, it cannot be restored by performing a factory reset.

4.3 System Settings

4.3.1 About

On the homepage, select **Settings** > **About** to view the Device's information.
Click **Device Name** to modify the device name.

4.3.2 Date and Time

On the homepage, select **Settings** > **Date and Time**.

Table 4-7 Description of date and time

Feature	Description
Date	Set the date display of the Device.
Time	Set the time display of the Device.
24-Hour	Enable it to display the time in 24-hour format.
Time Zone	Set the time zone of the Device.
IPC Time Sync	When the feature is enabled, the Device synchronizes time with the IPC at the specified interval. The default interval is 24 hours.
NTP Time Sync	After you enable the feature and configure an NTP server, the Device synchronizes time at the specified interval. The default interval is 1 minute.

4.3.3 Language

On the homepage, select **Settings** > **Language** to modify the device language, with 14 available languages including Simplified Chinese, English, Traditional Chinese, Italian, German, and French.

4.3.4 Maintenance

On the homepage, select **Settings** > **Maintenance**.

Table 4-8 Description of maintenance

Feature	Description
Restore Factory Defaults	Enter the password to restore the Device to factory defaults. ⚠ When you finish this operation, all the configuration of the device would be restored to the default. Be cautious with this operation.
System Update	Update the system by selecting a package from the upgrade list. ⚠ When downgrading from a higher version to a lower version, the device will become open to security risks. Be cautious with this operation.

Upgrade methods

- USB drive upgrade
  1. Copy the update.zip package to the root directory of a USB drive.
  2. Insert the USB drive into the USB port of the Device.
     When the Device detects the upgrade file, an upgrade prompt appears.
     ⚠
     Use a USB drive formatted as FAT32; otherwise, the upgrade might fail.
  3. Click **Confirm**. The system begins upgrading, and the Device will restart automatically when the upgrade finishes.
- Online upgrade: See the user manual of the media publishing platform.

Appendix 1 Remote Control

For Signage of specified models, you can use remote controls to operate them.

- The remote control supports limited operations: You can use the remote control to turn on or off the screen, turn on, turn off, or restart the Signage, adjust the volume and go back to the home page.
- Refer to the packing list to see whether the remote control comes with the Signage. If not, you need to purchase it separately.

Appendix Figure 1-1 Remote control appearance



Appendix Table 1-1 Buttons description

Operation Item	Buttons Needed
Power on/off device	Press . In the pop-up dialog box, select **Power off**. Press the button again to power on the device.
Screen on/off device	Press . In the pop-up dialog box, select **Screen off**. Press the button again to turn on the device screen.
Reboot	Press . In the pop-up dialog box, select **Reboot**.
Adjust volume	• Volume up: Press , and then press the right arrow button. • Volume down: Press , and then press the left arrow button.
Log in	1. When you find the screen is locked, you can use your remote control to type the password. Press on your remote control. The **Login** page is displayed. 2. Operate arrow keys, move pointer to password box, and then type the password. 3. Move pointer to **Done** on virtual keyboard. 4. Move pointer to **OK**, and then press on your remote control to log in to the device.
Return to the previous page	Press .

Operation Item	Buttons Needed
Return to the main menu	Press .
Bring up the frequently used tool bar	Press , and operate the left/right arrow keys to select a function you want.

Appendix 2 Security Recommendation

Account Management

1. Use complex passwords
   Please refer to the following suggestions to set passwords:
   - The length should not be less than 8 characters;
   - Include at least two types of characters: upper and lower case letters, numbers and symbols;
   - Do not contain the account name or the account name in reverse order;
   - Do not use continuous characters, such as 123, abc, etc.;
   - Do not use repeating characters, such as 111, aaa, etc.
2. Change passwords periodically
   It is recommended to periodically change the device password to reduce the risk of being guessed or cracked.
3. Allocate accounts and permissions appropriately
   Appropriately add users based on service and management requirements and assign minimum permission sets to users.
4. Enable account lockout function
   The account lockout function is enabled by default. You are advised to keep it enabled to protect account security. After multiple failed password attempts, the corresponding account and source IP address will be locked.
5. Set and update password reset information in a timely manner
   The device supports password reset function. To reduce the risk of this function being used by threat actors, if there is any change in the information, please modify it in time. When setting security questions, it is recommended not to use easily guessed answers.

Service Configuration

1. Enable HTTPS
   It is recommended that you enable HTTPS to access web services through secure channels.
2. Encrypted transmission of audio and video
   If your audio and video data contents are very important or sensitive, it is recommended to use encrypted transmission function in order to reduce the risk of your audio and video data being eavesdropped during transmission.
3. Turn off non-essential services and use safe mode
   If not needed, it is recommended to turn off some services such as SSH, SNMP, SMTP, UPnP, AP hotspot etc., to reduce the attack surfaces.
   If necessary, it is highly recommended to choose safe modes, including but not limited to the following services:
   - SNMP: Choose SNMP v3, and set up strong encryption and authentication passwords.
   - SMTP: Choose TLS to access mailbox server.
   - FTP: Choose SFTP, and set up complex passwords.
   - AP hotspot: Choose WPA2-PSK encryption mode, and set up complex passwords.
4. Change HTTP and other default service ports
   It is recommended that you change the default port of HTTP and other services to any port between 1024 and 65535 to reduce the risk of being guessed by threat actors.

Network Configuration

1. Enable Allow list
   It is recommended that you turn on the allow list function, and only allow IP in the allow list to access the device. Therefore, please be sure to add your computer IP address and supporting device IP address to the allow list.
2. MAC address binding
   It is recommended that you bind the IP address of the gateway to the MAC address on the device to reduce the risk of ARP spoofing.

3. Build a secure network environment
   In order to better ensure the security of devices and reduce potential cyber risks, the following are recommended:
   - Disable the port mapping function of the router to avoid direct access to the intranet devices from external network;
   - According to the actual network needs, partition the network: if there is no communication demand between the two subnets, it is recommended to use VLAN, gateway and other methods to partition the network to achieve network isolation;
   - Stablish 802.1x access authentication system to reduce the risk of illegal terminal access to the private network.

Security Auditing

1. Check online users
   It is recommended to check online users regularly to identify illegal users.
2. Check device log
   By viewing logs, you can learn about the IP addresses that attempt to log in to the device and key operations of the logged users.
3. Configure network log
   Due to the limited storage capacity of devices, the stored log is limited. If you need to save the log for a long time, it is recommended to enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

Software Security

1. Update firmware in time
   According to the industry standard operating specifications, the firmware of devices needs to be updated to the latest version in time in order to ensure that the device has the latest functions and security. If the device is connected to the public network, it is recommended to enable the online upgrade automatic detection function, so as to obtain the firmware update information released by the manufacturer in a timely manner.
2. Update client software in time
   It is recommended to download and use the latest client software.

Physical Protection

It is recommended that you carry out physical protection for devices (especially storage devices), such as placing the device in a dedicated machine room and cabinet, and having access control and key management in place to prevent unauthorized personnel from damaging hardware and other peripheral equipment (e.g. USB flash disk, serial port).