

# Digital Signage

## User's Manual

**V1.0.0**

# Cybersecurity Recommendations

## **Mandatory actions to be taken towards cybersecurity**

### **1. Change Passwords and Use Strong Passwords:**

The number one reason systems get “hacked” is due to having weak or default passwords. It is recommended to change default passwords immediately and choose a strong password whenever possible. A strong password should be made up of at least 8 characters and a combination of special characters, numbers, and upper and lower case letters.

### **2. Update Firmware**

As is standard procedure in the tech-industry, we recommend keeping NVR, DVR, and IP camera firmware up-to-date to ensure the system is current with the latest security patches and fixes.

## **“Nice to have” recommendations to improve your network security**

### **1. Change Passwords Regularly**

Regularly change the credentials to your devices to help ensure that only authorized users are able to access the system.

### **2. Check the Log:**

If you suspect that someone has gained unauthorized access to your system, you can check the system log. The system log will show you which IP addresses were used to login to your system and what was accessed.

### **3. Protect Your Device Physically**

For your device safety, we strongly recommend that you do physical protection towards your device and prevent unauthorized physical access by others.

## General






This user's manual (hereinafter referred to as "the Manual") introduces the usage and configurations of the LCD Digital Signage (hereinafter referred to as "the Signage").

## Model

LDV43-SAI200, LDV49-SAI200, LDV55-SAI200 and LDV65-SAI200

## Safety Instructions

The following categorized signal words with defined meaning might appear in the Manual.

Signal Words	Meaning
 <b>DANGER</b>	Indicates a high potential hazard which, if not avoided, will result in death or serious injury.
 <b>WARNING</b>	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 <b>CAUTION</b>	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
 <b>TIPS</b>	Provides methods to help you solve a problem or save you time.
 <b>NOTE</b>	Provides additional information as the emphasis and supplement to the text.

## Revision History

No.	Version	Revision Content	Release Time
1	V1.0.0	First Release.	December 24, 2018

## Privacy Protection Notice

As the device user or data controller, you might collect personal data of others such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

## About the Manual

- The Manual is for reference only. If there is inconsistency between the Manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the Manual.
- The Manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.
- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the Manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the Manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the Manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

# Regulatory Information

The regulatory information herein might vary according to the model you purchased. Some information is only applicable for the country or region where the product is sold.

## FCC Information



### CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### **FCC conditions:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

#### **FCC compliance:**

This equipment has been tested and found to comply with the limits for a digital device, pursuant to part 15 of the FCC Rules. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the guide, may cause harmful interference to radio communication.

- For class A device, these limits are designed to provide reasonable protection against harmful interference in a commercial environment. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- For class B device, these limits are designed to provide reasonable protection against harmful interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.

# Important Safeguards and Warnings

This chapter describes the contents covering proper handling of the device, hazard prevention, and prevention of property damage. Read these contents carefully before using the device, comply with them when using, and keep it well for future reference.

## Operating Requirements

- This is an A-class and high-quality product, but the device might interfere radio signals in your surroundings, so in this case, please take measures to deal with interference.
- Do not place or install the device in a place exposed to sunlight or near the heat source.
- Keep the device away from dampness, dust or soot.
- Keep the device installed horizontally on the stable place to prevent it from falling.
- Do not drop or splash liquid onto the device, and make sure there is no object filled with liquid on the device to prevent liquid from flowing into the Device.
- Make sure the device is in good ventilation condition. Do not block the air vents of the device.
- Operate the device within the rated range of power input and output.
- Do not dismantle the device.
- Use the device within the limited temperature and humidity range. Temperature ranges from -10°C to +55°C.

## Electrical Safety

- Improper battery use might result in fire, explosion, or inflammation.
- When replacing battery, make sure the same model is used.
- Use the recommended power cables in the region and use them under the rated specification.
- Use the power adapter provided with the device; otherwise, it might result in people injury and device damage.
- The power source shall conform to the requirement of the Safety Extra Low Voltage (SELV) standard, and supply power with rated voltage which conforms to Limited power Source requirement according to IEC60950-1. Note that the power supply requirement is subject to the device label.
- Connect the device (I-type structure) to the power socket with protective earthing.
- The appliance coupler is a disconnection device. Keep a convenient angle when using it.

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# 1

# Product Introduction

## 1.1 Overview

This product is a new intelligent-cloud digital signage with which you can release various information such as advertisements, notices and announcements. After connecting the Signage to the platform (the CIRS software, for example), you can use the platform to send programs to it.

## 1.2 Features

- Connected to the platform, the Signage can receive and display programs sent by it.
- Displays programs saved in the USB drive.
- Acts as a hotspot for other devices after the Signage is connected to network by Ethernet, Wi-Fi, 4G or VPN.
- The main media formats such as MP3, MP4 can all be played in this Signage.
- Picture, video, and scroll text can be displayed in a full screen/split screens. You can set loop, timer, insert-cut and gasket in the platform. After that, you can control play time, sequence, frequency, content, and location.

You can use this Signage for release of information such as advertisements to realize the potential benefits. Government building, office park, shopping mall are all the places where you can put this Signage.



# 2 Appearance

## 2.1 Dimensions

Figure 2-1 43 inches (mm [inch])

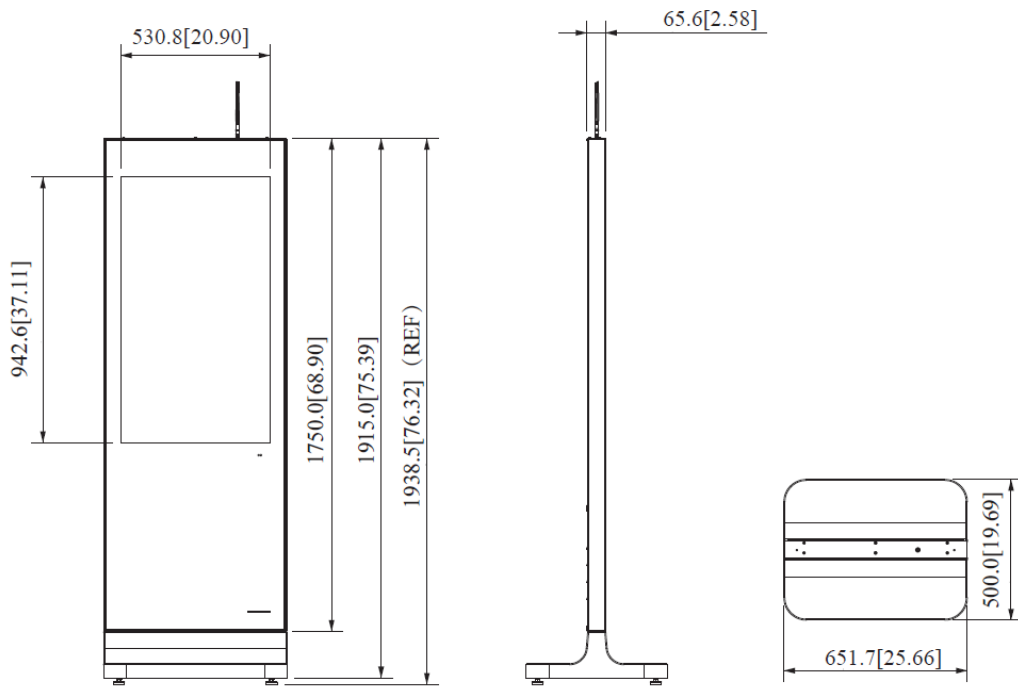


Figure 2-2 49 inches (mm [inch])

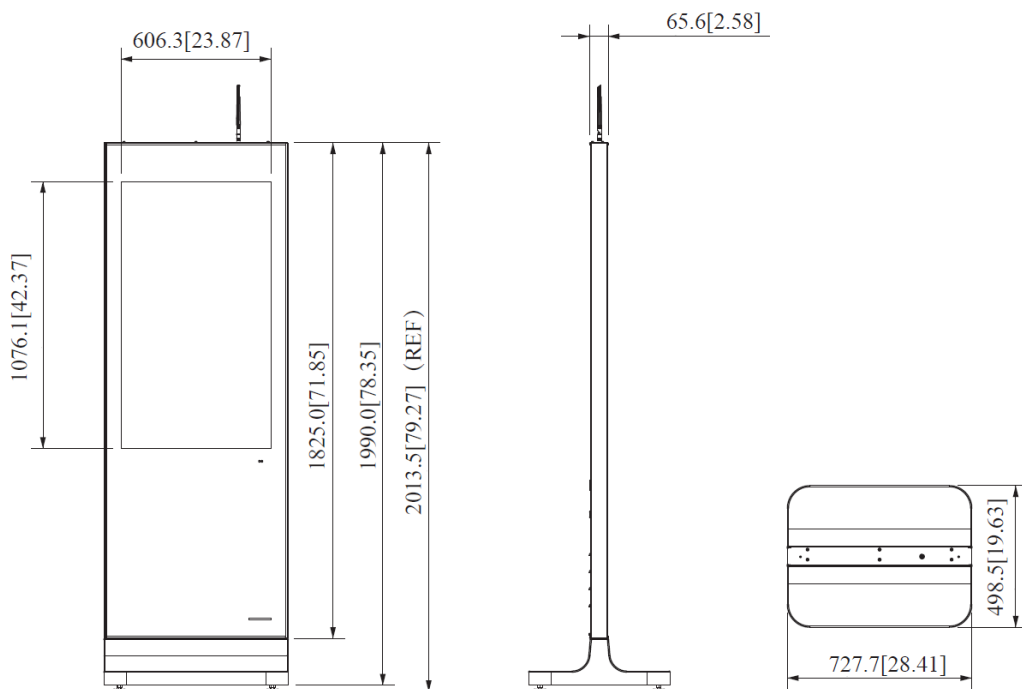


Figure 2-3 55 inches (mm [inch])

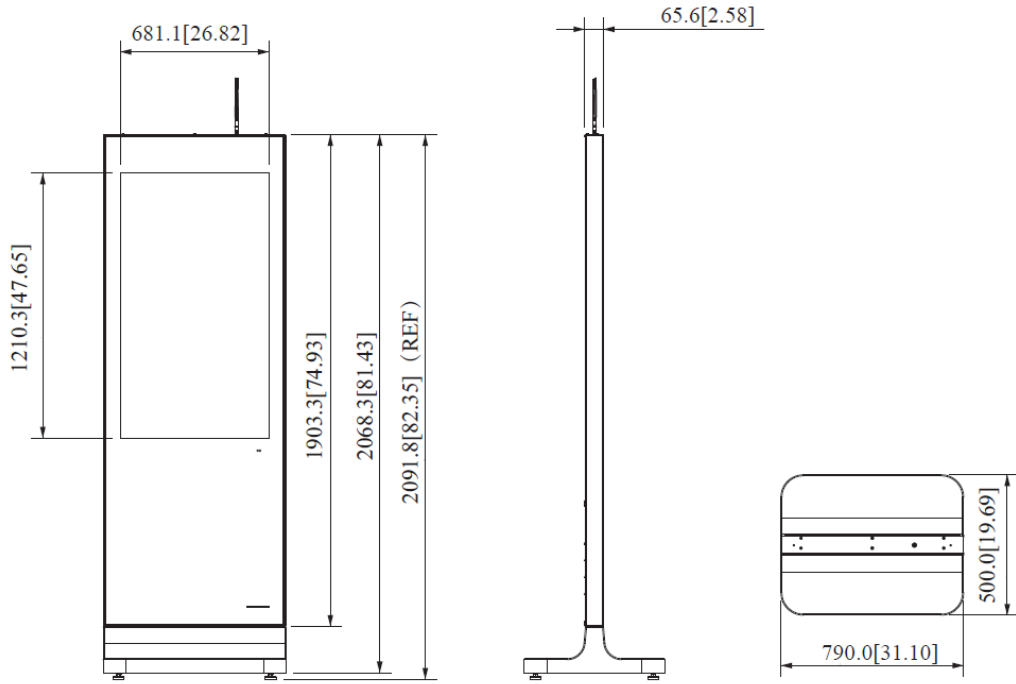
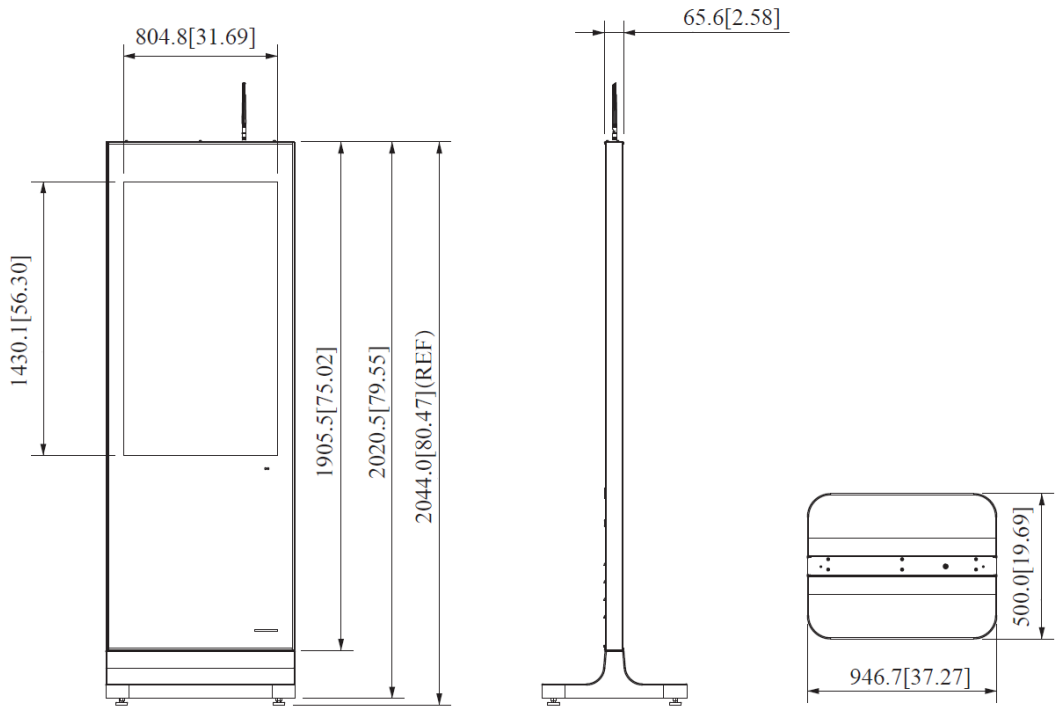


Figure 2-4 65 inches (mm [inch])



## 2.2 Components

Figure 2-5 Components (43, 49, 55 and 65 inches)

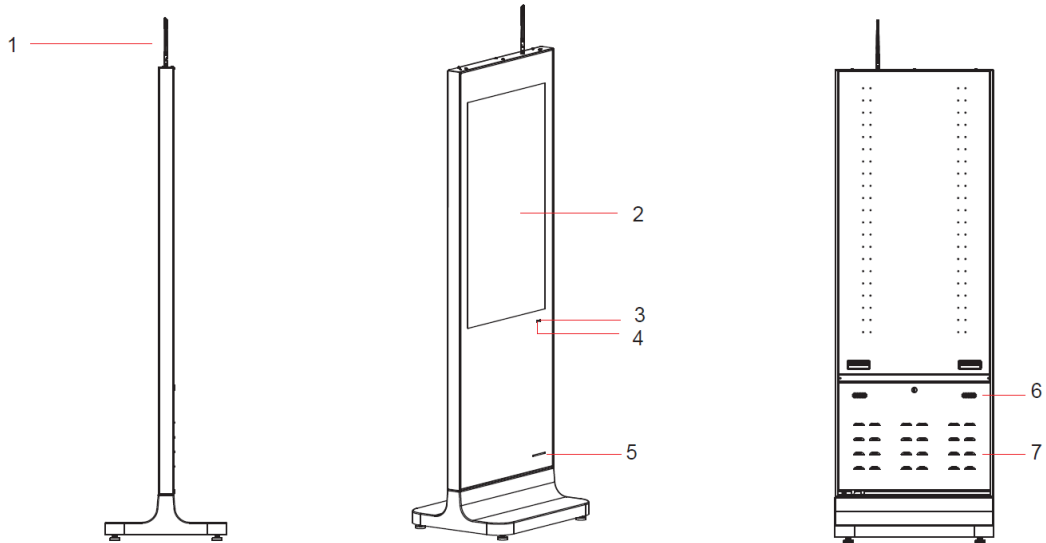


Table 2-1 Components description

No.	Name	Description
1	Wi-Fi antenna	Receives Wi-Fi signals and connect the Signage to the network in a wireless way.
2	TFT LCD display	Shows information.
3	Signal indicator of remote control	Receives signals from remote control.
4	Light sensor	Adjusts screen brightness automatically according to the environment lighting condition.
5	Indicator of the Signage status	Indicates the Signage's working status. <ul style="list-style-type: none"> <li>• (When the indicator is) off: You haven't connected the Signage to power source.</li> <li>• Flashing in red: You are booting up the Signage.</li> <li>• On and in blue: You have booted up the Signage or you have only turned off the screen.</li> <li>• On and in red: You have connected the Signage to power source and turned off the Signage.</li> </ul>
6	Speaker	Plays sound.
7	Heat emission hole	Emits heat.

## 2.3 Ports

To view the main board's ports, use the given key to unlock the rear panel. For ports details, see Figure 2-6 and Table 2-2.

Figure 2-6 Ports

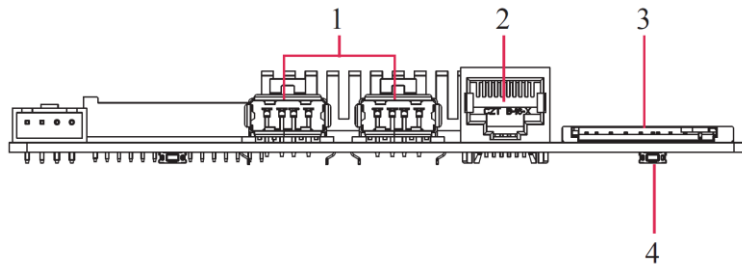




Table 2-2 Ports description

Icon	Name	Description
1	USB2.0 port	Connects to USB drive or mouse.
2	Ethernet port	Connects to the Ethernet cable.
3	SD card slot	You can read information in the SD card such as pictures, videos, audios, files. SD card cannot be used for storing the Signage data for now.
4	Reset hole	<p>Use this button to reinstall the Signage's Android operating system when the system runs terrible or you cannot boot up the Signage.</p> <ol style="list-style-type: none"> <li>Contact the after-sales service to get and decompress the upgrade files. Save files such as bootargs.bin, fastboot.bin, recovery.img and update.zip under the USB drive's root directory. Insert the USB drive into the Signage's USB2.0 port.</li> <li>In the reset hole, hold the button with a needle-like thing.</li> <li>Power your Signage. After 3 seconds, loosen the button and an interface guiding you to reinstall the Android operating system is displayed.</li> <li>Follow the guides.</li> </ol>

# 3 Installation

## 3.1 Unpacking the Box

Refer to the following checklist and check the package. If you find device damage or component loss, contact the after-sales service.

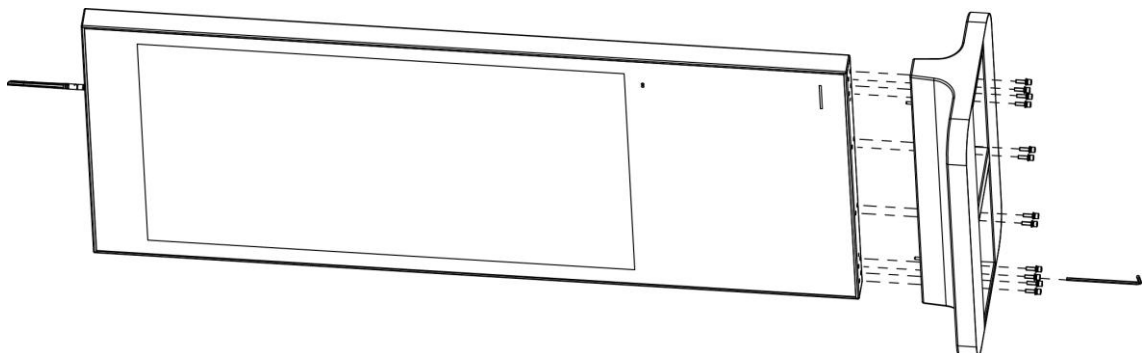
Check Sequence	Check Item	Check Content	
1	Overall packing	Appearance	No obvious damage.
		Packing	Not distorted or broken.
		Component	No missing.
2	Pedestal	Model on label	Matches purchase order.
		Label	Not torn up.  Do not tear up or throw away the labels; otherwise the warranty services are not ensured. You need to provide the serial number of the product when calling the after-sales service.
3	Screen	Appearance	No obvious damage.
		Data cable, power line	No loose connection.  Contact the after-sale service staff immediately if these cables or lines are loose.

## 3.2 Installation

### 3.2.1 Attaching Signage Main Body to Pedestal

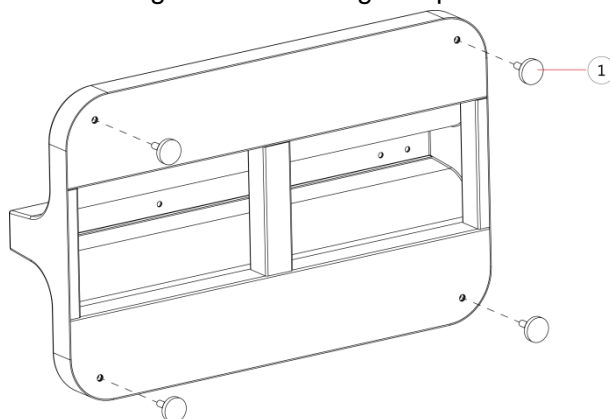
Step 1 Align the Signage main body's holes to those on the pedestal, and then fasten the screws. See Figure 3-1.

Figure 3-1 Attaching Signage main body



**Step 2** (Optional) If the ground is not flat, you can install foot-pads in the accessory bag to the pedestal. Adjust those foot-pads to make the Signage stable. See Figure 3-2.

Figure 3-2 Installing foot-pads



In Figure 3-2, ① is the foot-pad.

### 3.2.2 Laying the Power Line

Figure 3-3 Laying the power line

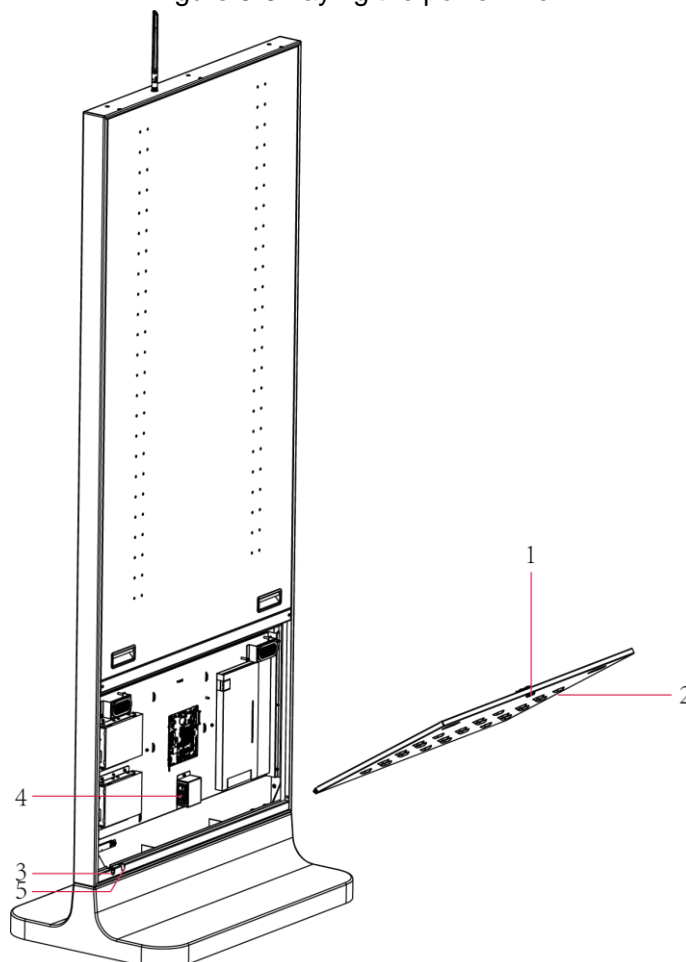


Table 3-1 components list

No.	Name	No.	Name
1	Lock	2	Rear panel
3	Outlet hole	4	Power input port

5	Grounding screw	—	—
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Step 1 Use the given key to unlock and take off the rear panel.

Step 2 Thread the power line through the outlet hole and connect the line to the power input port.

Step 3 Buckle the line-protection ring to the power line and place the ring closely near the outlet hole.



Before Step 4, it's recommended to connect the grounding screw to the ground.

Step 4 Put the rear panel back and lock it.

# 4 Basic Operations

The Signage's operation system is developed based on the Android OS. You can connect the Signage to the online platform of information release & management. Then you can use the platform to release a multi-media program to the Signage, turn on/off the Signage and reboot the Signage. You can implement the operations such as local release, app management and system setting.

## 4.1 Booting Up and Shutting Down



- Before booting up the Signage, check if input voltage matches rated voltage of the Device.
- Refer to international standard to offer the power input (power input that is with stable power value and less interference) to ensure the device works stably and prolong its service life.
- To boot up the Signage: Plug the power line into a socket.
- To shut down: Unplug the line.

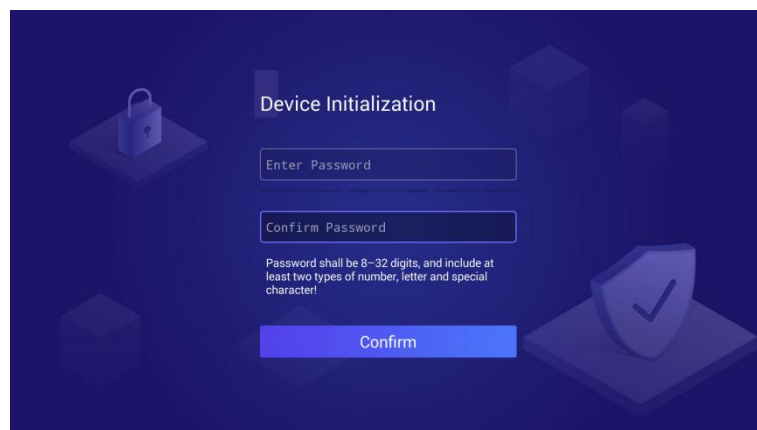
## 4.2 Initializing Signage

When you are opening the Signage for the first time or you have allowed your system to be restored the factory settings, you need to initialize the Signage. Only after that can you operate and configure your Signage.

Step 1 Plug the Signage's power line into a socket.

The Signage boots up and the **Device Initialization** interface is displayed. See Figure 4-1.

Figure 4-1 The device initialization interface



Step 2 Type your screen lock password and type it again to confirm it.

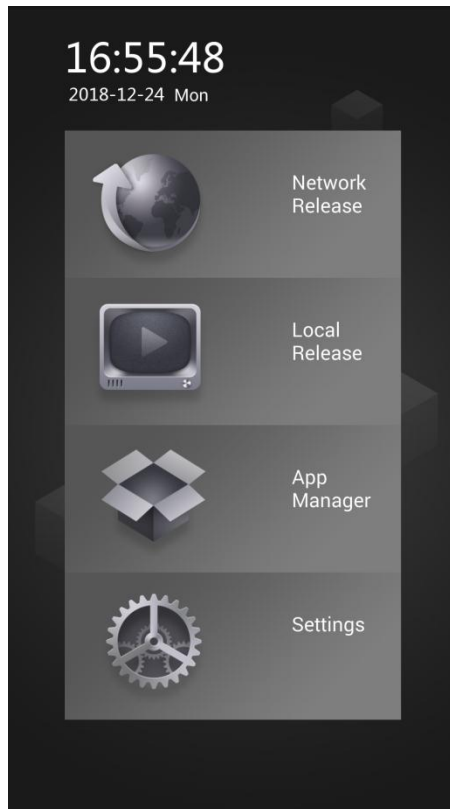
Step 3 Click Done on your virtual keyboard.

Click **Confirm** on the **Device Initialization** interface.

Initialization begins. After that, the main menu is displayed. See Figure 4-2.



Figure 4-2 Main menu



## 4.3 Logging in Signage

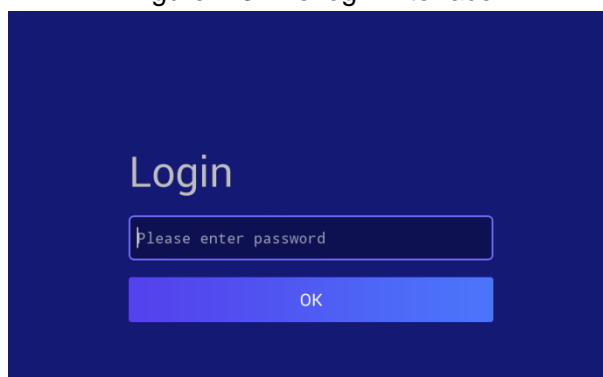
You need to type your password to unlock the Signage screen, and the screen will be locked under each of the following conditions:

- You have just finished initializing the Signage.
- Plug the Signage's power line into a socket.
- Turn on the Signage with your remote control.
- Do not operate the Signage for the time you have set.

**Step 1** Click any position on the screen.

The **Login** interface is displayed. See Figure 4-3.

Figure 4-3 The login interface



**Step 2** Type your password.

**Step 3** Click **OK**.

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






## 4.4 Operating Quick Tool Bar

Move your pointer to the bottom of any an interface to display the quick tool bar. See Figure 4-4 and Table 4-1 for details.

Figure 4-4 Quick tool bar



Table 4-1 Description of quick tool bar

Icon	Description
	Click this icon to adjust the backlight value.
	Click this icon to select an input source from "local" and "HDMI." VGA is not supported now.
	Click this icon to enter the quick play interface.
	Click this icon to lock your Signage.
	Click this icon to disconnect your USB from the Signage.

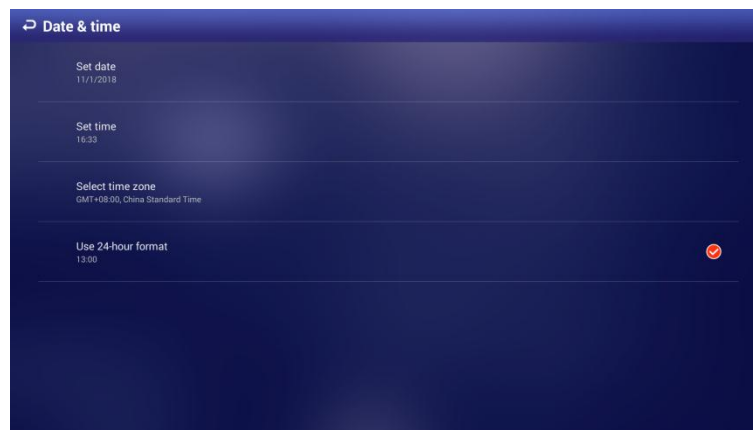
## 4.5 Configuring Date & Time

You can set date and time for your Signage. Remember to select a correct time zone based on where the Signage lies.

**Step 1** In the main menu, select **Settings > Date & Time**.

The **Date & Time** interface is displayed. See Figure 4-5.

Figure 4-5 The date & time interface



**Step 2** Set date, time and time zone. You can also enable the 24-hour display format here. Your settings will take effect at once.

## 4.6 Displaying Programs

Connect the Signage to the platform and then you use the platform to send programs to your Signage. Or, you can insert a USB drive into the Signage and operate the Signage to play the videos & pictures in the USB drive.

## 4.6.1 Displaying Programs from Platform

### 4.6.1.1 Procedure

Figure 4-6 Procedure



Table 4-2 Procedure description

No.	Description	No.	Description
1	Logging in	2	Connecting Signage to network
3	Connecting Signage to platform	4	Receiving programs from platform

### 4.6.1.2 Connecting Signage to Network

#### 4.6.1.2.1 Connecting Signage to Network

Connect your Signage to network by Ethernet, WLAN, 4G or Virtual Private Network (VPN).

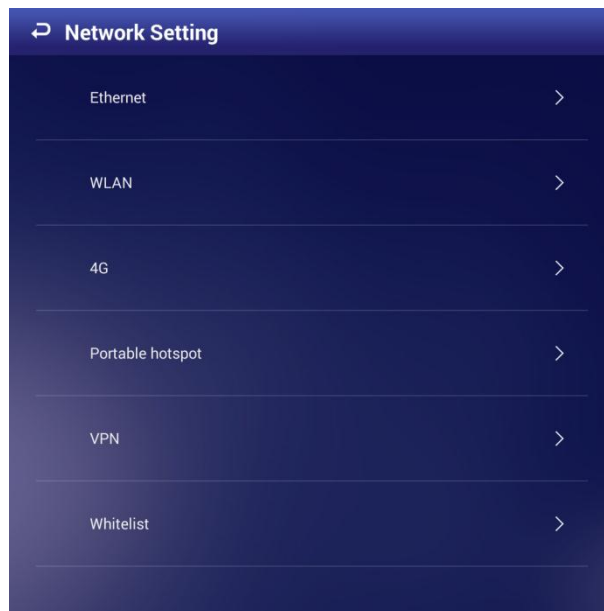


After your Signage is networked, it can be used as a hotspot for other devices.

**Step 1** In main menu, select **Settings > Network Setting**.

The **Network Setting** interface is displayed. See Figure 4-7.



Figure 4-7 The network setting interface



**Step 2** Select and configure the network type you want to use. See Table 4-3 for details.

Table 4-3 Network types description

Network Type	Description
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Network Type	Description
Ethernet	<p>Connect your Signage to network by Ethernet and there are two kinds of methods for you to give an IP to your Signage.</p> <ul style="list-style-type: none"> <li>• DHCP: When there is a DHCP server in the network, after selecting the DHCP option, the Signage automatically obtains IP address from the DHCP server.</li> <li>• Static IP: After selecting Static IP, respectively click IP ADDRESS, DEFAULT GATEWAY or NETMASK, and enter the IP address, default gateway and net mask according to the network plan.</li> </ul>
WLAN	<p>Connect your Signage to network by Wi-Fi. Click  to turn on Wi-Fi first.</p> <p>Then, to connect your Signage to network, you can:</p> <ul style="list-style-type: none"> <li>• Click a given Wi-Fi, type its password and click <b>Connect</b>.</li> <li>• Or you can add a Wi-Fi manually: click  to display the <b>Add Network</b> interface. Then type <b>Network SSID</b> and select <b>Security</b> from <b>None</b>, <b>WEP</b>, <b>WPA/WPA2 PSK</b> and <b>802.1x EAP</b>. Click <b>Save</b> to finish configuration.</li> </ul>
4G	You can connect a 4G mobile network card to your device and select <b>Data Enabled</b> to finally get your device networked.
VPN	Connect your device to VPN. Then your device can get programs from VPN.

#### 4.6.1.2.2 Configuring Whitelist

Configure the IP that are allowed to access the Signage, and only IP addresses in the whitelist can access the Signage. This is to enhance data security.

**Step 1** In main menu, click **Settings > Network Setting > Whitelist**.

The **Whitelist** interface is displayed.

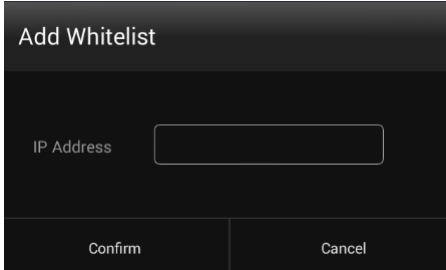
**Step 2** Click  to enable whitelist and make it take effect officially.

**Step 3** Add an IP address to your whitelist.

1) Click .

The **Add Whitelist** interface is displayed. See Figure 4-8.

Figure 4-8 The add whitelist interface



2) Type an IP address.

3) Click **Confirm**.

The IP address you have added is displayed.

Repeat Step 3 to add multiple IP addresses to your whitelist.

### 4.6.1.3 Connecting Signage to platform

Connect the Signage to the platform. Then you can use the platform to send programs.



To use the platform to send programs, stop playing programs from the USB drive first.

#### Preparation

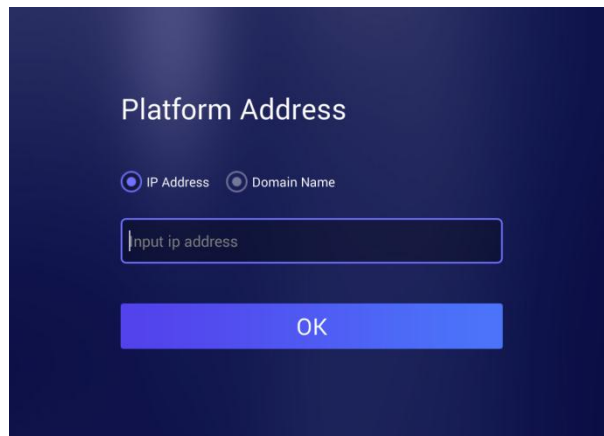
- Your Signage and the platform have been connected to each other. To connect Signage to network, see "4.6.1.2.1 Connecting Signage to Network."
- Ensure the platform's IP address has been added to your whitelist if you have enabled it. To configure whitelist, see "4.6.1.2.2 Configuring Whitelist."

#### Procedure

Step 1 In main menu, click **Network Release**.

The **Platform Address** interface is displayed. See Figure 4-9.

Figure 4-9 The platform address interface



Step 2 Type the platform's IP address or domain name.

Step 3 Click **OK**.

Step 4 Receive programs from the platform.

## 4.6.2 Displaying Programs from USB Drive

### 4.6.2.1 Releasing Programs by General Templates

#### 4.6.2.1.1 Quick Play

Use the given templates to quickly display information.

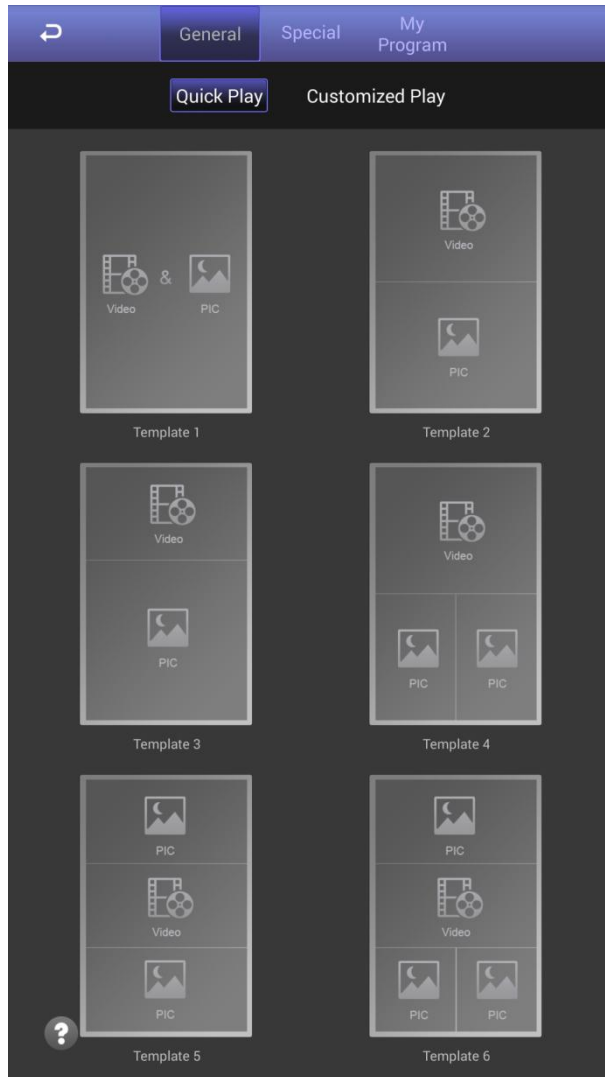
#### Preparation

You have inserted your USB drive into the Signage. You need to previously prepare images or videos in your USB drive and you must save them under a file named after "USBPLAY."

## Procedure

Step 1 In the main menu, select **Local Release > General > Quick Play**.  
The **Quick Play** interface is displayed. See Figure 4-10.

Figure 4-10 The quick play interface



Step 2 Select a template.

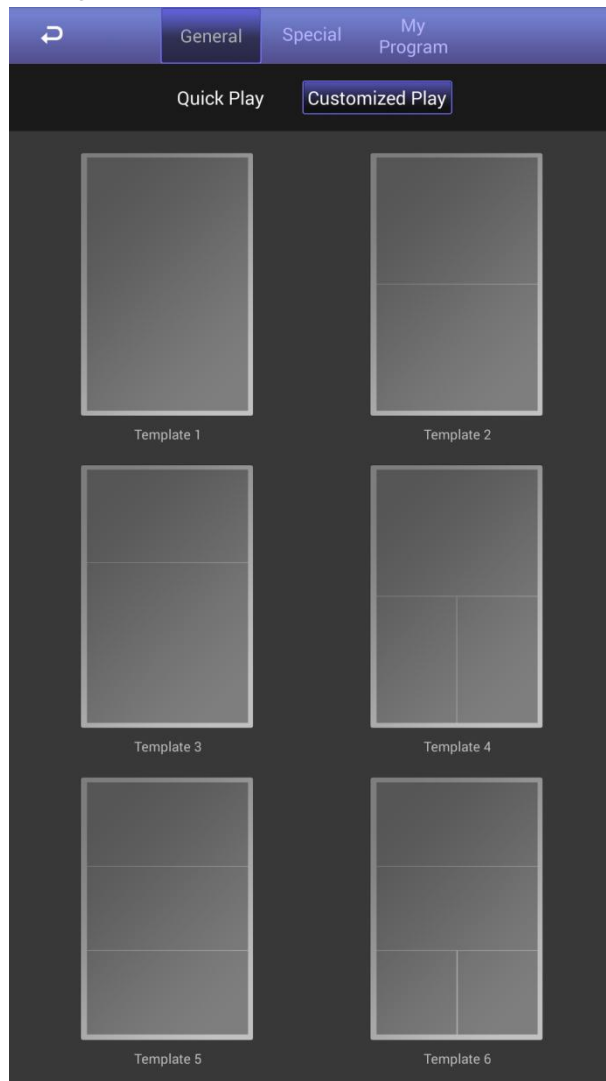
The system will display images & videos information according to their layout in the template. And, an image is displayed for 10 seconds by default and a video to the end.

### 4.6.2.1.2 Customized Play

Define your own templates to release information.

Step 1 In the main menu, select **Local Release > General > Customized Play**.  
The **Customized Play** interface is displayed. See Figure 4-11.

Figure 4-11 The customized play interface



**Step 2** Click a template you want to define.

The template's interface ready for configuration is displayed.

**Step 3** Define the template.


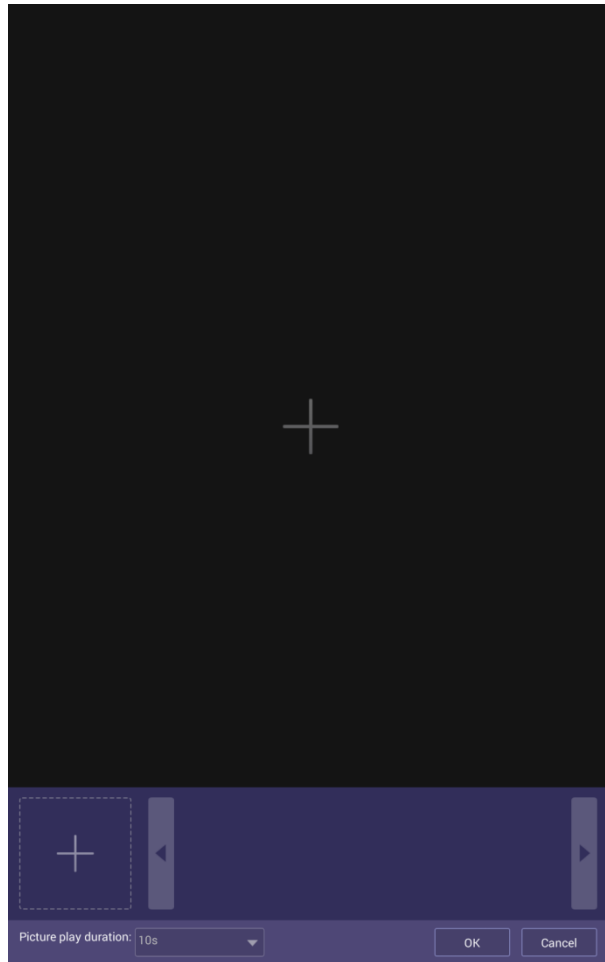

- 1) Click a  to configure this region's display sequence and content. A program waiting box of images & videos is displayed. See Figure 4-12.

Figure 4-12 The program waiting box



- 2) Click  on the lower left corner.  
The "File Manager" interface is displayed.
- 3) Then you can select an image or a video and upload it to the program waiting box. Then, you can select duration of displaying an image from 5s, 10s, 20s, 30s and 60s. Images are displayed for 10 seconds by default and videos to the end. You can repeat 2)-3) to upload multiple images or videos to the program waiting box.
- 4) Click **OK**.



If there are multiple separate regions in your template which can be identified by the sign (find and add the sign in your manual), to make the template effective, you need to repeat step1-4 to add programs for other regions.

**Step 4** Operate the template you have almost finished. On the upper right corner of the current interface:

- Click **Preview** to preview your template.
- Click **Save** to save your template. You can view and use the template in **Local Release > My Program** then.
- Click **Publish** to play your template immediately.



## 4.6.2.2 Releasing Programs by Special Use Templates

There are six special use templates, including "Face Attendance", "Catering & Life", "Special Offer & Promotion", "Brand Publicity", "Supermarket & Hotel", and "Info & News", each of which conforms to a specific scenario. Select according to your needs.

- For configuration of "Face Attendance" template, see "4.6.2.2.1 Configuring Face Attendance Template."
- For configuration of other five templates, see "4.6.2.2.2 Configuring Other Five Templates."

### 4.6.2.2.1 Configuring Face Attendance Template

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



The 29-inch and 37-inch devices do not support the face attendance function.

## Preparation

- Your camera can do the face detection and face comparison and its face database is ready.
- You Signage, your camera and the DSS (or PSS, or IVSS) have been connected to each other.
- When you choose to connect your camera to the Signage by DSS or PSS, you need to operate DSS or PSS to give out a registration code to your Signage to achieve the connection between the DSS or PSS and your Signage.

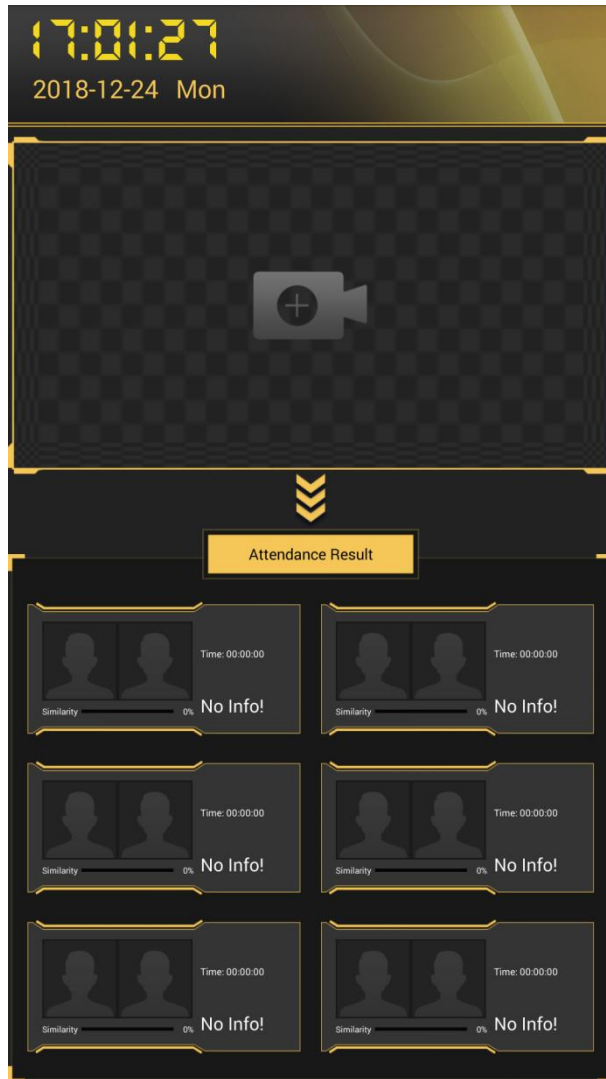
## Procedure

Step 1 In the main menu, select **Local Release > Special**.

The **Special** interface is displayed.

Step 2 Click **Face Attendance**, and the face attendance template is displayed. See Figure 4-13.

Figure 4-13 Configuring face attendance template



**Step 3** Click .



The **Add Device** interface is displayed. See Figure 4-14.

Figure 4-14 The add device interface

**Step 4** Configure the parameters. See Table 4-4.

Table 4-4 Parameter description

Parameter	Description
-----------	-------------

Parameter	Description
Protocol	<p>According to the connection method you want between the camera and your Signage, you can select from <b>IPC</b>, <b>DSS</b>, <b>PSS</b> and <b>IVSS</b>.</p> <ul style="list-style-type: none"> <li>• If you want to connect the camera directly to your device, you can select <b>IPC</b>.</li> <li>• If you want to connect the camera to your device by the third-party platform or device, you can select <b>DSS</b>, <b>PSS</b> or <b>IVSS</b>.</li> </ul>
IP Address	Address of your camera or the platform.
User Name	You need to fill in the two items when you select <b>IPC</b> or <b>IVSS</b> as the <b>Protocol</b> .
Password	
Port	Port number when you log in your camera or the platform.
Channel	 <p>You need to configure this parameter only when you select <b>IPC</b> or <b>IVSS</b> as the <b>Protocol</b>.</p> <ul style="list-style-type: none"> <li>• When you select <b>IPC</b> as the <b>Protocol</b>, you directly connect only one IPC to the device. Fill <b>1</b> in the <b>Channel</b> box.</li> <li>• When you select <b>IVSS</b> as the <b>Protocol</b>, to determine the channel number you want: <ol style="list-style-type: none"> <li>1. Type <a href="http://XXX/cgi-bin/LogicDeviceManager.cgi?action=getCameraAll">http://XXX/cgi-bin/LogicDeviceManager.cgi?action=getCameraAll</a> ("XXX" refers to the IP address of IVSS) in your browser to view the channels.</li> <li>2. Determine the channel which you want to add to your device.</li> <li>3. Add 1 to the channel's UniqueChannel value.</li> <li>4. Fill the new value in the <b>Channel</b> box.</li> </ol> </li> </ul>
Registration Code	 <p>You need to configure this parameter only when you select <b>DSS</b> or <b>PSS</b> as the <b>Protocol</b>.</p> <p>Registration code given by the DSS platform or Smart PSS client side to the Signage.</p>

Step 5 Click **OK**.

After adding the camera to the face attendance template successfully, the live camera shooting image and face comparison information is displayed.

- Connect you Signage to the camera by IPC or IVSS, and there will be only one camera's shooting image.
- Connect you device to the camera by DSS or PSS, and there will be at most four cameras' shooting images (numbers of cameras' shooting windows vary with numbers of cameras attached to the platform). To attach a camera to the platform, see platform's user manual.

Click on the camera shooting image, you can:

- Click **Change Device** to configure a new camera shooting window.
- Click **Delete Device** to delete a camera shooting window.

#### 4.6.2.2.2 Configuring Other Five Templates

The other five templates are similar in configuration and "Supermarket & Hotel" template is taken as an example.

**Step 1** In the main menu, select **Local Release > Custom**.

The **Custom** interface is displayed.

**Step 2** Click a template you want to define.

The template's interface ready for configuration is displayed.

**Step 3** Configure the template.


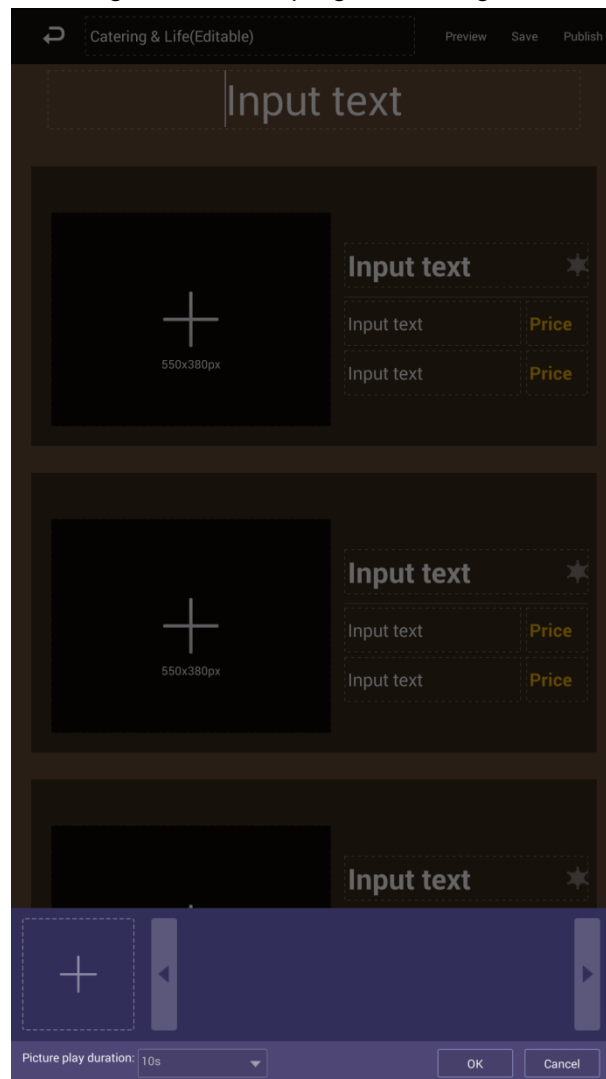


- 1) Click a  to configure this region's display sequence and content.  
A program waiting box of images & videos is displayed. See Figure 4-15.

Figure 4-15 The program waiting box



- 2) Click .  
The "File Manager" interface is displayed.
  - 3) Then, you can select duration of displaying an image from 5s, 10s, 20s, 30s and 60s. Images are displayed for 10 seconds by default and videos to the end.  
You can repeat step2-3 to upload multiple images or videos to the program waiting box.
  - 4) Click **OK**.
- If there are multiple separate regions in your template which can be identified by the sign , to make the template effective, you need to repeat step1-4 to add programs for other regions.

**Step 4** Operate the template you have almost finished. On the upper right corner of the current interface:

- Click **Preview** to preview your template.
- Click **Save** to save your template. You can view and use the template in **Local Release > My Program** then.
- Click **Publish** to play your template immediately.

### 4.6.2.3 Managing My Program

In main menu, select **Local Release > My Program** and the **My Program** interface is displayed. See Figure 4-16. You can view the programs that have been played and the templates you have saved. You can also:



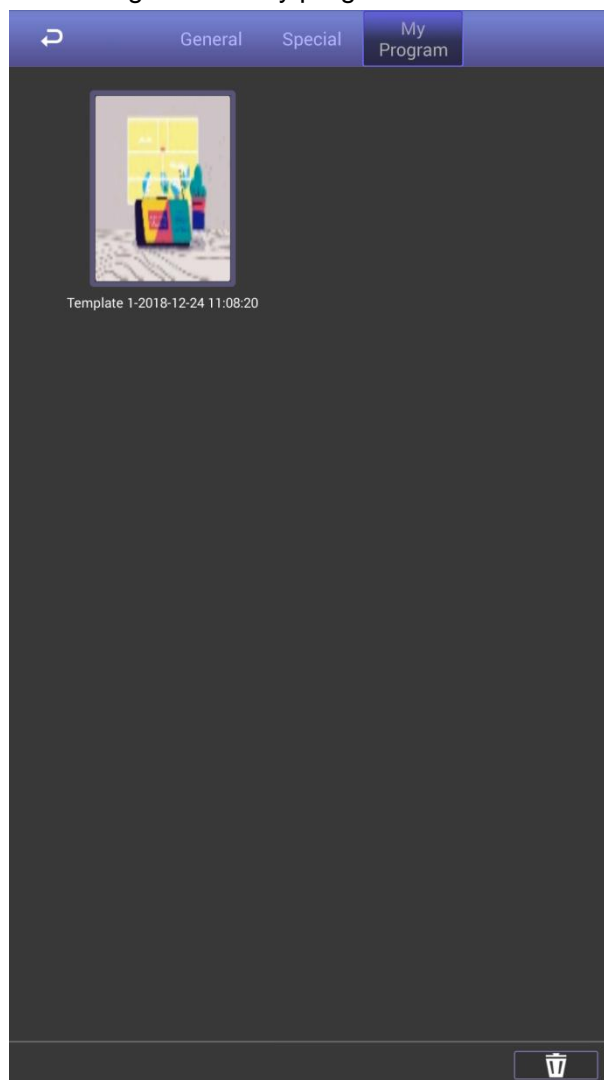
- Click an item to start playing.
- Click  and select one or several items to delete; Click  and click **Select All** to delete all items.

Figure 4-16 My program interface



## 4.7 Managing Apps

In main menu, click **App Manager** and then you can install/uninstall an app, view and operate the files, and log in the browser to surf on the Internet after the browser is connected to the Internet. See Figure 4-17.

Figure 4-17 Apps



### 4.7.1 Installing an App

You can install an app to your Signage.

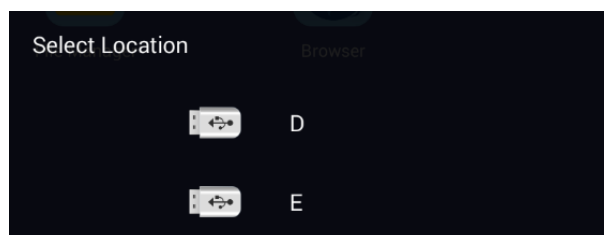
**Step 1** In main menu, select **App Manager > App Center**.

The **App Center** interface is displayed.

**Step 2** Click **install App**.

The **Select Location** interface is displayed. See Figure 4-18.

Figure 4-18 The select location interface



**Step 3** Click your USB drive icon.

The system will automatically find an app file for you.

**Step 4** Click the installation file and follow the system prompt to finish installation.

You can use and view the app you have installed in "App Center."

## 4.7.2 Operating File Manager

View and operate files.

**Step 1** In main menu, select **App Manager > App Center**.

The **App Center** interface is displayed.

**Step 2** Click **File Manager**.

The **File Manager** interface is displayed.

**Step 3** Select a storage path, for example, "Internal Storage."

Files in different classifications are displayed. See Figure 4-19.

Click a file classification to view and operate files.

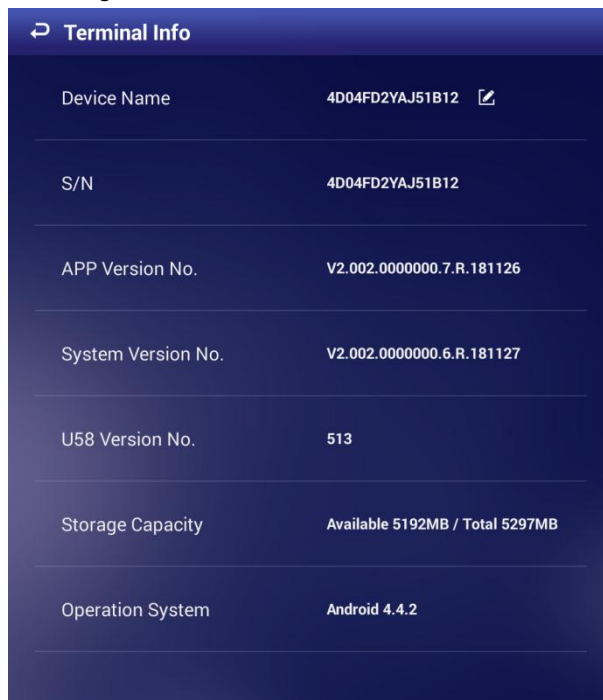
Figure 4-19 Files in different classifications



## 4.8 Viewing Terminal Information

In main menu, select **Settings > Terminal Info**. The **Terminal Info** interface is displayed. See Figure 4-20. You can view information such as **Device Name**, **S/N**, **APP Version No.**.

Figure 4-20 The terminal info interface



# 5

## Configuring System Settings

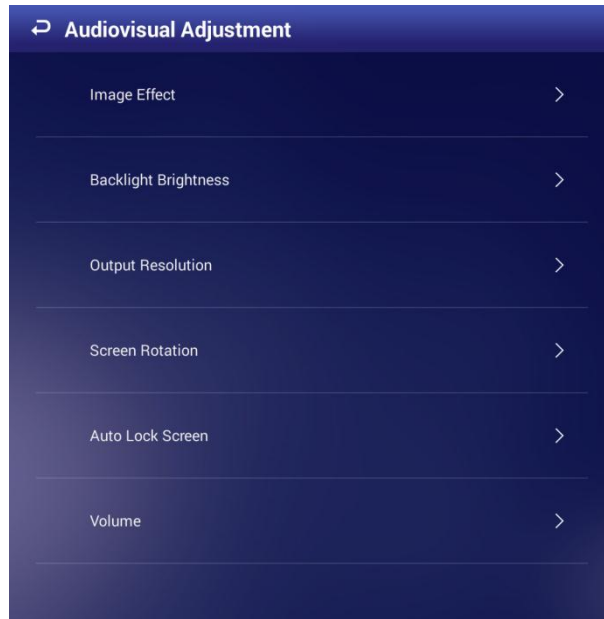
### 5.1 Configuring Visual & Audio Parameters

Adjust the screen's display effect and the Signage volume.

**Step 1** In main menu, select **Settings > Audiovisual Adjustment**.

The **Audiovisual Adjustment** interface is displayed. See Figure 5-1.

Figure 5-1 The audiovisual adjustment interface



**Step 2** Configure visual & audio parameters. See Table 5-1 for details.

Table 5-1 Description of visual & audio parameters

Item	Description
Image Effect	Adjust the display image's chroma, contrast and saturation. The default values are recommended.
Backlight Brightness	Adjust the display's background brightness manually or in an automatic way. 1. Click <b>Backlight Brightness</b> to adjust its value. <ul style="list-style-type: none"><li>◇ It's set by default that the auto adjustment of background brightness is enabled and the background brightness will be adjusted according to the surrounding lighting condition.</li><li>◇ You can drag the brightness bar to adjust the background brightness manually and the auto adjustment of background brightness is disabled in the meanwhile.</li></ul> 2. Click <b>OK</b> to finish configuration.
Output Resolution	Select resolution of the screen under work from <b>1080P 60Hz</b> , <b>1080P 50Hz</b> , <b>720P 60Hz</b> and <b>720P 50Hz</b> .
Screen Rotation	Rotate your screen and select from <b>Rotate 90°</b> , <b>Rotate 180°</b> and <b>Rotate 270°</b> .



Item	Description
Auto Lock Screen	You can set a Signage idle time (the time when you do not operate the Signage) beyond which your Signage screen will be locked. Select <b>Never</b> and the screen will not be locked automatically.
Volume	Adjust speaker volume. And "0" represents mute. Click <b>OK</b> to finish configuration.

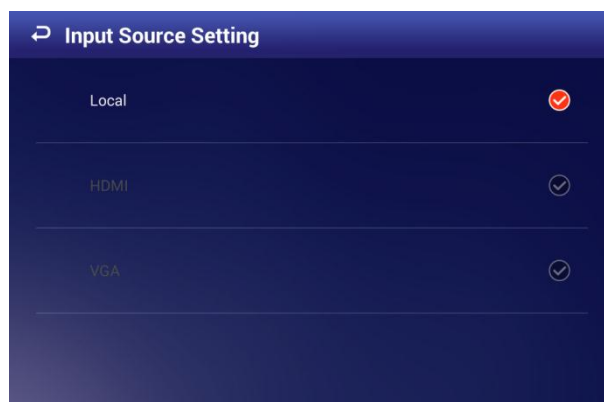
## 5.2 Selecting Input Source

You can select input source from "Local" and "HDMI" and "Local" is set by default (VGA is not supported now). Select "Local" to play programs input by your USB or given by the platform; Select HDMI to play programs from the HDMI input source, for example, your PC.

Step 1 In the main menu, select **Settings > Input Source Setting**.

The **Input Source Setting** interface is displayed. See Figure 5-2.

Figure 5-2 The input source setting interface



Step 2 Select from "local" and "HDMI."



If there is no HDMI input source (your PC, for example) but you still select HDMI, the screen will turn blank for certain time and exits the blank interface automatically.

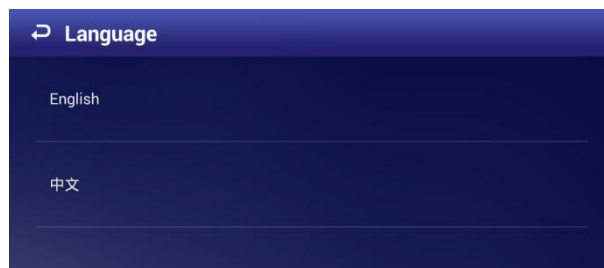
After you select from "Local" and "HDMI", the configuration takes effect immediately.

## 5.3 Selecting System Language

Step 1 In the main menu, select **Settings > Language**.

The **Language** interface is displayed. See Figure 5-3.

Figure 5-3 The language interface



Step 2 Select the language you want.

The configuration takes effect immediately.

# 6

## System Maintenance

### 6.1 Maintenance Requirements

It is recommended to:

- Modify the user password every three months.
- Reboot this device regularly.
- Upgrade firmware regularly.

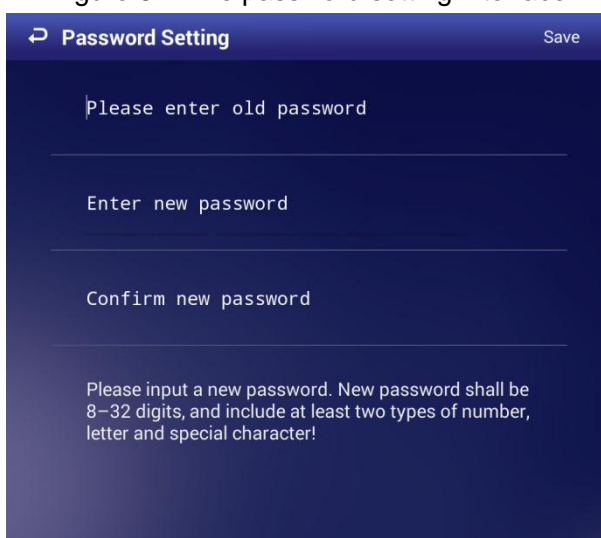
### 6.2 Modifying Password

For system security, regularly change the password and adopt the strong password. Keep the password properly after your modification.

Step 1 In main menu, select **Settings > Password Setting**.

The **Password Setting** interface is displayed. See Figure 6-1.

Figure 6-1 The password setting interface



Step 2 Type old password, new password. Then type your new password again to confirm it.

Step 3 Click **Save**.

### 6.3 Rebooting Your Signage

Manually reboot your device to handle problems such as system non-fluency.

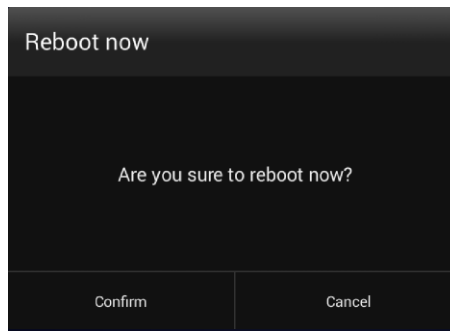
Step 1 In main menu, select **Settings > Maintenance and Upgrade**.

The **Maintenance and Upgrade** interface is displayed.

Step 2 Click **Reboot Now**.

The **Reboot Now** interface is displayed. See Figure 6-2.

Figure 6-2 The rebooting now interface



Step 3 Click **Confirm** and system reboots.

## 6.4 Configuring Auto Reboot Time

Configure an auto reboot time for your device. And your device will reboot at a fixed time every day.

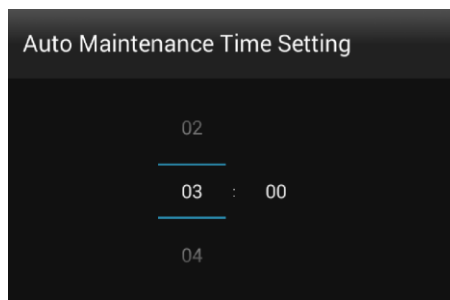
Step 1 In main menu, select **Settings > Maintenance and Upgrade**.

The **Maintenance and Upgrade** interface is displayed.

Step 2 Click **Auto Maintenance Time Setting**.

The **Auto Maintenance Time Setting** interface is displayed. See Figure 6-3.

Figure 6-3 The auto maintenance time setting interface



Step 3 Drag your mouse up and down to select a time. Click any position out of the **Auto Maintenance Time Setting** interface to finish configuration.

## 6.5 Upgrading System

### Preparation

Contact our after-sales service to get an upgrade package. Insert a USB drive with the package into your Signage.

### Procedure

Step 1 In main menu, select **Settings > Maintenance and Upgrade**.

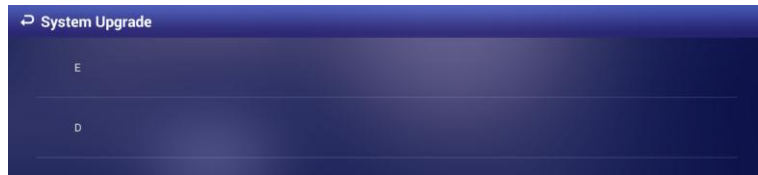
The **Maintenance and Upgrade** interface is displayed.

Step 2 Click **System Upgrade**.

The **System Upgrade** interface is displayed. See Figure 6-4.

**D** or **E** represents your USB drive.

Figure 6-4 The system upgrade interface



**Step 3** Select the upgrade package to start upgrade.  
Your Signage reboots after being upgraded.

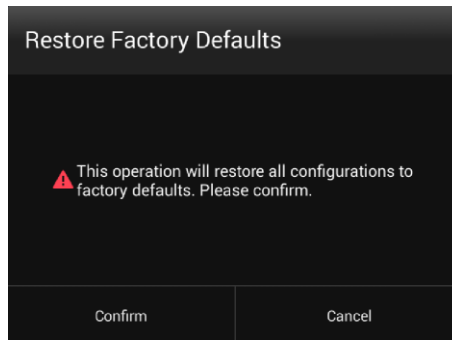
## 6.6 Restoring Your Signage to Factory Settings

Restore your Signage to factory settings to handle problems such as storage insufficiency and system error. Be cautious because this may cause data loss.

**Step 1** In main menu, select **Settings > Maintenance and Upgrade**.  
The **Maintenance and Upgrade** interface is displayed.

**Step 2** Click **Restore Factory Defaults**.  
The **Restore Factory Defaults** interface is displayed. See Figure 6-5.

Figure 6-5 The restore factory defaults interface



**Step 3** Click **Confirm** to begin this operation.  
After that, your system will reboot.

# Appendix 1 Remote Control

For Signage of specified models, you can use remote controls to operate them. There are two kinds of remote controls. Refer to one of them according to the remote control you have received. See Appendix figure 1-1, Appendix figure 1-2 and Appendix table 1-1.









Appendix figure 1-1 Remote control appearance (1)



Appendix figure 1-2 Remote control appearance (2)



Appendix table 1-1 Buttons description

Operation Item	Buttons Needed
Turning on/off device	Press  or  .
Turn on/off device screen	Hold  or  for three seconds.
Adjusting volume	<ul style="list-style-type: none"> <li>Volume up: Press Fn, and then press 1. Or, press  and press right arrow button.</li> <li>Volume down: Press Fn, and then press 4. Or, press  and press left arrow button.</li> </ul>
Adjust background brightness	<ul style="list-style-type: none"> <li>Background brightness up: Press Fn, and press 2.</li> <li>Background brightness down: Press Fn, and press 5.</li> </ul>
Typing password to log	<ol style="list-style-type: none"> <li>When you find the screen is locked, you can use your remote control to type the password. Press Enter on your remote control. The “Login” interface is displayed.</li> <li>Operate arrow keys and move pointer to password box, and type password.</li> <li>Move pointer to Done on virtual keyboard.</li> <li>Move pointer to OK and press Enter on your remote control to log in the device.</li> </ol>
Returning to the previous interface	Press Esc or  .
Representing the frequently used tool bar	Press Add or  , and operate the left/right arrow keys to select a function you want.