



Digital Signage

User Manual

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Applicable Models

This manual is applicable to the Digital Signage.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

All products covered in this manual are developed based on the Product Security Redline V4.

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Chapter 1 Introduction

The Digital Signage (hereinafter referred to as “the device”) adopts a 4-side uniform bezel design with a narrow frame, slim profile, and an ultra-thin back cover. It features a streamlined cable management system that organizes power and signal cords neatly and efficiently.

The device supports flexible switching between landscape and portrait orientations, enabling multi-window playback of images and videos simultaneously. Equipped with a high-brightness commercial-grade display ranging from 500 to 700 nits, it ensures clear and vivid content visibility even in brightly lit environments. This makes it ideal for smart advertising and intelligent promotion applications.

Key Features

- Ultra-narrow bezel, even bezel design.
- Ultra-thin back shell design with wire guide groove.
- 4K HD picture quality with more detailed image details.
- Saturated high color gamut, clear and wide viewing angles.

Chapter 2 Precautions and Operations

The LCD panel on the device is made by high-precision technology. However, tiny spots on the screen that are always or never lit may be observed, or when observed from side, the color and brightness may appear to be uneven. Yet the above phenomena are common among LCD displays rather than faults and will not affect the performance of the device.

- Our company is not responsible for any fault caused by third-party when operating the device and other failure or damage incurred.
- Do not operate the device in an environment of dust, high humidity, or oil and steam contacting to avoid the risk of fire and damage.
- Do not place the device under direct sunlight or near strong light source.
- Do not place the device near other equipment with strong radiation.
- Do not expose the device to rain or humid environment.
- Do not place the device on unstable or unsafe surface. Avoid strong impact, vibration or vibration.
- Do not operate the device near heating device or place of high temperature to avoid the risk of fire.
- After moving the device from low temperature environment to high temperature environment, please do not turn on the device immediately and wait for the condensation to evaporate.
- Do not insert any object into the device.
- Do not place heavy objects upon the device.
- The device and its accessories are subject to change without prior notice.
- The fragile materials of the display are vulnerable to falling and impact. Please hold with care.
- Improper operations during debugging and operating may cause damage to the device.
- Scratching or knocking the device with hard objects is strictly forbidden. Do not frequently turn on/off the power of the device when operating to avoid the risk of damage and faults.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

2.1 Use of Power Cable

- If the power cable is damaged or failed, contact service center. Make sure the power supply is properly grounded and matches the requirements specified by the plate on the shell.
- Do not expose the device to rain or humid environment. Disconnect power plug and antenna in thunderstorm weather.
- If the device will not be used for a long time. Shut down the power of the device and disconnect the power supply.

- Electric discharge may last for a short period of time after the power is shut down. Please wait for two minutes after the power shut down to operate the device.
- Only use the original power cable delivered with the device. Contact authorized dealer to purchase power cable with same specifications.
- Make sure the power supply is grounded.
- Do not let dust or metal attachment adhere to the power plug and socket.
- Do not modify the cable in any form.
- Do not place heavy object on the cable.
- Keep the cable away from heat.
- Do not disconnect the power plug by pulling the cable.
- Keep the power cable away from physical or mechanical damage.
- The cable is applicable only to the Interactive Display. Do not use it on other devices.

2.2 Cleaning and Maintenance

- The hole on the rear shell is for heat dissipation. Do not pour or spray liquid to the rear shell or use wet cloth for cleaning.
- Disconnect the power plug before cleaning.
- Do not display images with high brightness on the screen for too long.
- Use a dry, soft and dust-free cloth to clean the device.
- Contact service center for internal cleaning.
- Proper maintenance can avoid certain early-stage failures.
- Clean the device on a regular basis to make the device look new.
- Do not clean the device with water, spray cleaner or industrial chemical reagent. Prevent foreign matters from entering the device.
- Contact qualified service personnel for device maintenance. If the device is damaged, please contact our company, do not carry out unauthorized maintenance.

2.3 Precautions for Installation

- Clean the device screen and back before installation for best performance.
- For safety, only use the wall mount or base provided by the manufacturer.
- Contact professional staff for wall mounting.
- Check the accessories before the installation. Contact the dealer if anything is missing.
- Do not install the device too tight. Otherwise the screen may be distorted.
- Mount the device on load-bearing wall.
- Place the device on a stable surface or fix the device steadily on the wall.

- Install the device near an available AC power socket for easy power connection. Use the same ground cable with other devices to prevent signal interference.
- Do not place the device near mechanical vibration source.
- Do not place the device in an environment where insects have easy access.
- Do not let the device face the air conditioner directly to avoid condensing.
- Do not place the device in strong electromagnetic field to avoid radio interference.

2.4 Remote Control

Apart from connecting mouse to operate on the device, you can also use infrared remote control. The instruction image is as follows.



Figure 2-1 Remote Control

Note

The remote control may vary according to different versions. Please refer to the actual situation.

Chapter 3 Startup and Shutdown


3.1 Device Startup

Connect the device to power supply, and it will start up automatically.

3.2 Shutdown

You can directly switch off the power, or press and hold the power-off button on the remote control to shut down the device.



After pressing the power-off button on the remote control without unplugging the power supply, you can click  on the remote control to start up the device.

Chapter 4 Intelligent Applications

4.1 Home Page Operations

 **Note**

Software interfaces and functions may vary with device models. All images in this manual are for illustration purpose only.

Turn on the device and go to the home page.



Figure 4-1 Home Page

 **Note**

Press and hold the icons of applications on the main page to realize the following operations:

- Move applications cross screen.
- Merge applications into folders with other applications.

4.2 Settings

Click to enter the system settings. Refer to “**Chapter 5 System Settings**” for more details.

4.3 FocSign Player

After activating FocSign Player, programs can be displayed on the device via FocSign Player.

4.3.1 Activate

Steps

Step 1 Click **FocSign Player** application on the home page.

Step 2 Set your own password in the pop-up window.

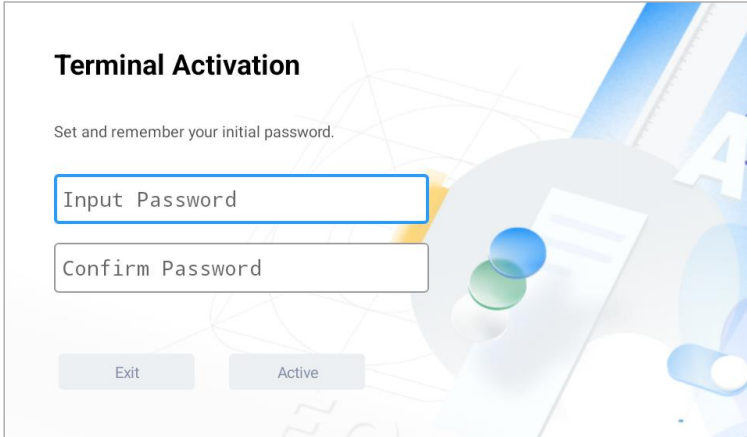
A screenshot of a 'Terminal Activation' pop-up window. The window has a white background with a blue and grey abstract graphic on the right side. The title 'Terminal Activation' is in bold black text. Below the title, the instruction 'Set and remember your initial password.' is displayed. There are two input fields: 'Input Password' and 'Confirm Password'. At the bottom, there are two buttons: 'Exit' and 'Active'.

Figure 4-2 Pop-Up Window

Note

Please remember your password, which will be used very frequently in subsequent operations. If you forget the password, please contact technical support.

Step 3 (Optional) Enable the password protection. Once you enable the password protection, you need to enter your password every time before configuring on the detailed information page to protect device security.

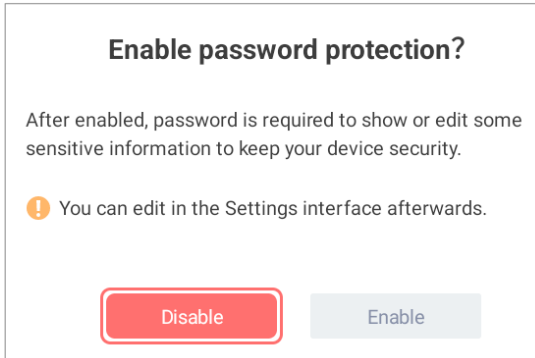
A screenshot of a dialog box titled 'Enable password protection?'. The text inside says 'After enabled, password is required to show or edit some sensitive information to keep your device security.' Below this is a warning icon (exclamation mark in a circle) followed by the text 'You can edit in the Settings interface afterwards.' At the bottom, there are two buttons: 'Disable' (highlighted in red) and 'Enable'.

Figure 4-3 Enable Password Protection

4.3.2 Add Device

After activating FocSign Player, you can add the device via cloud or server registration, or add devices manually.

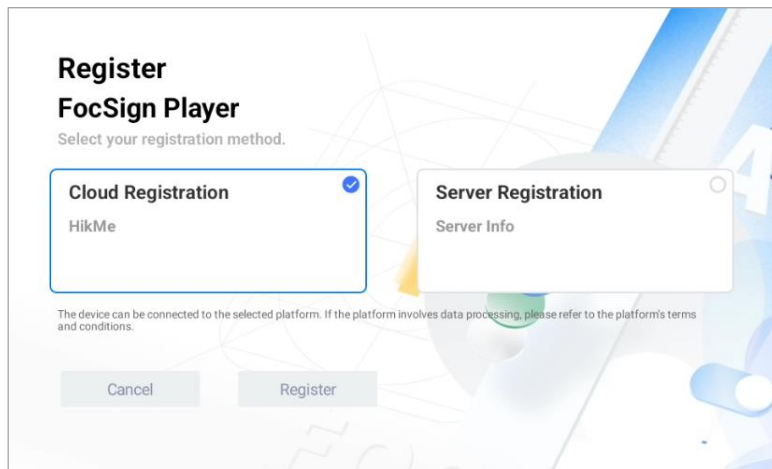


Figure 4-4 Cloud or Server Registration

Cloud Registration


- 1) Click **Cloud Registration** → **Register**.
- 2) Click  **Help** on the device, or scan the QR code below to find the user manual of cloud registration.



Figure 4-5 Cloud Registration User Manual

Server Registration

Steps

Step 1 Click **Server Registration** → **Register**. Or you can also go to the detailed information page, and click **Show Information** → **Click to Reconnect** to register.

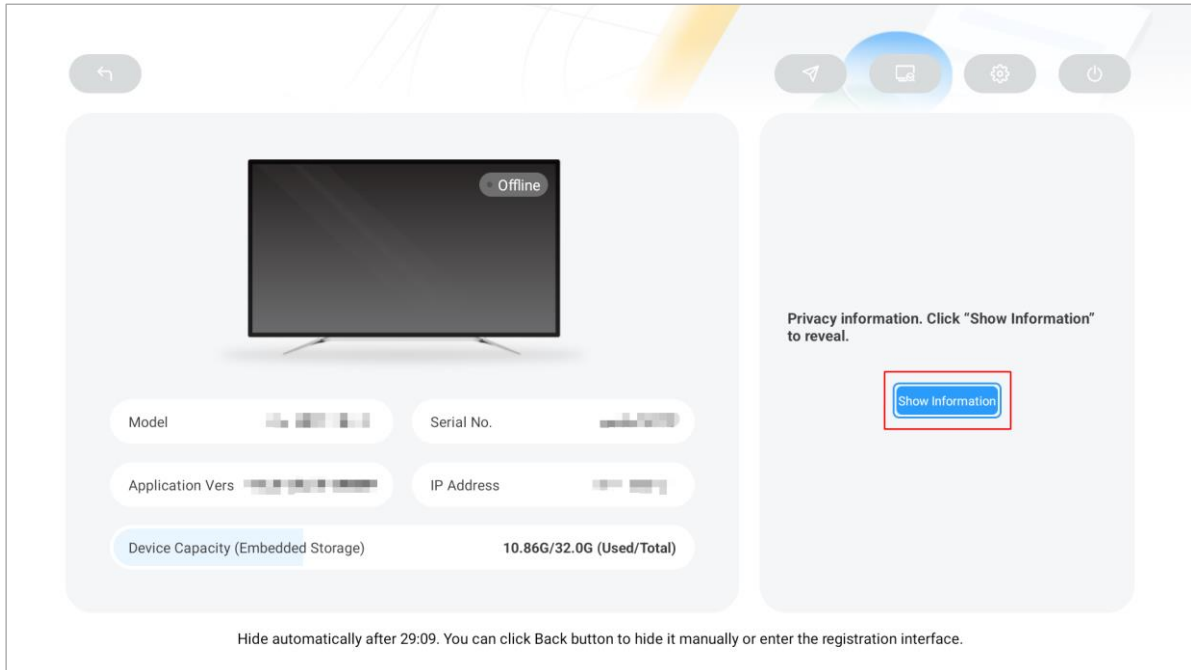


Figure 4-6 Click Show Information to Register

Step 2 Enter **Device Name** (custom), **Server Address**, **Port No.**, and **Authentication Code** of HikCentral FocSign Web Client. Click **OK**.

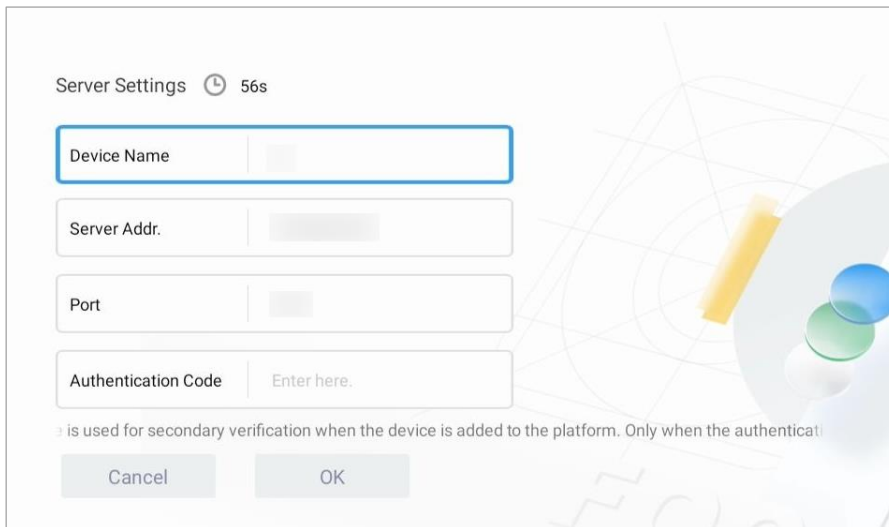


Figure 4-7 Server Settings

 **Note**

- You can get the **Server Address** from the platform client.
- **Port No.** is 7660 by default. You can customize it on the platform.
- **Authentication Code** is used for secondary verification when the device is added to the platform. Only when the authentication code input on the platform is consistent with that input on the device, the device can be added successfully.

Step 3 Enter the detailed information page, and the basic configuration on FocSign Player is finished.

Step 4 On the HikCentral FocSign Web Client, go to **Device Management** → **Device and Server** → **Digital Signage Terminal** → **Auto Registration** → **Add by Auto Registration on Device**.

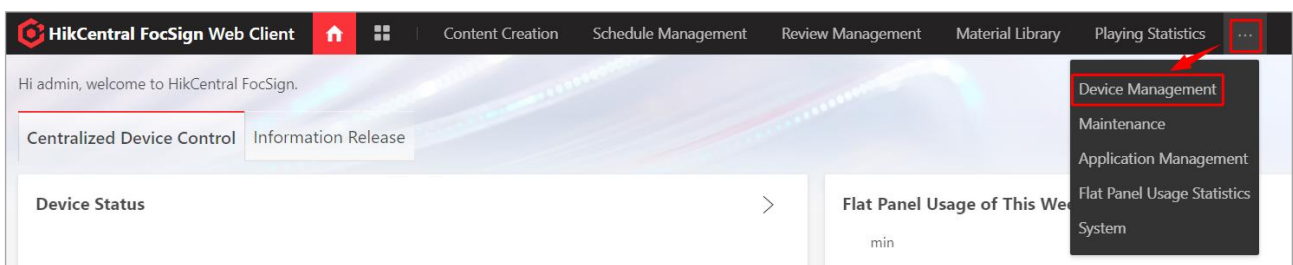


Figure 4-8 Device Management

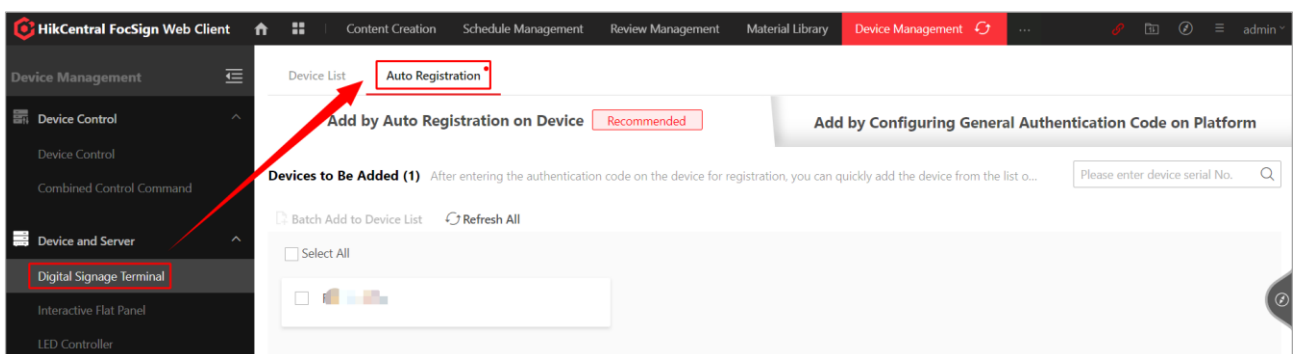


Figure 4-9 Auto Registration

Step 5 Click **Refresh All** after completing the server settings on the device. When you find your device on the platform, **Offline** will become **Online** on the device.

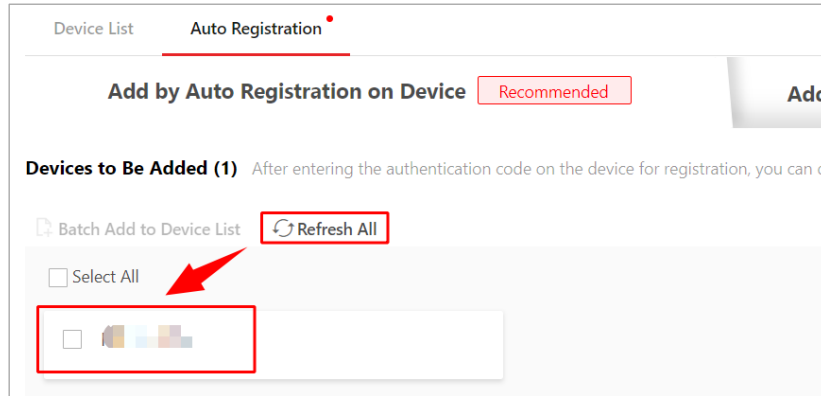


Figure 4-10 Refresh to Find Device

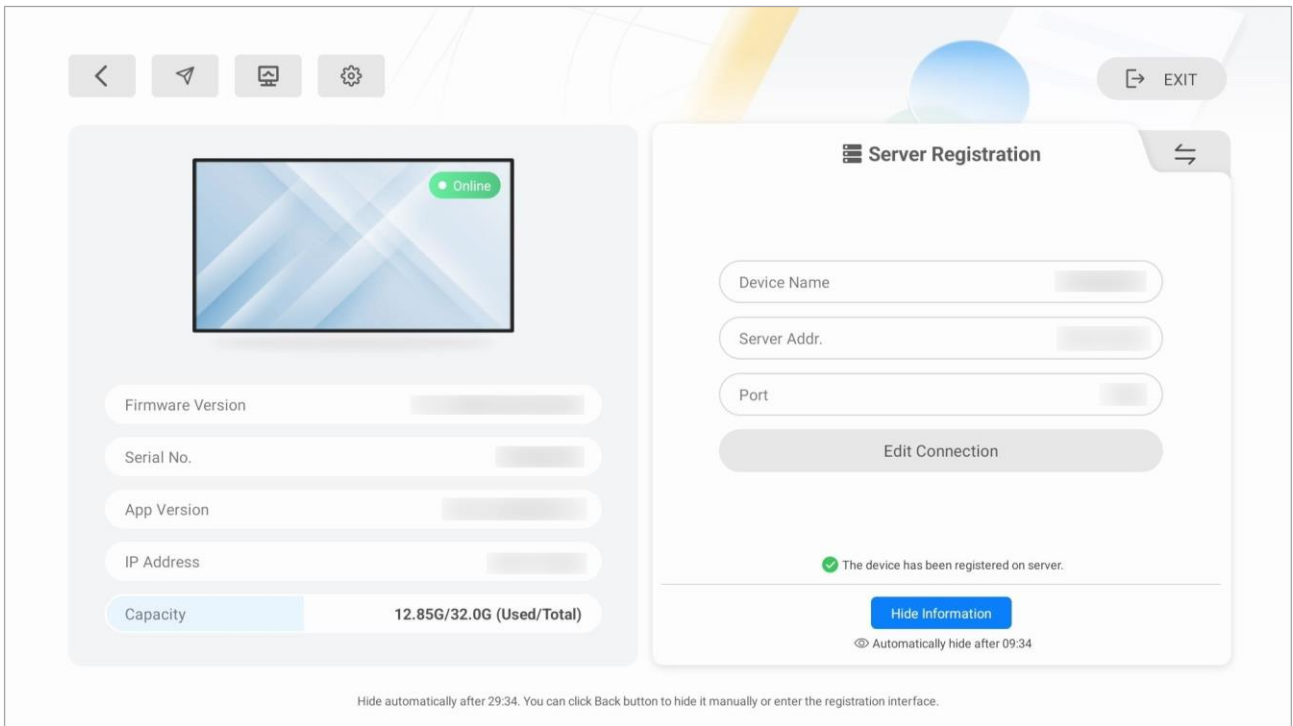


Figure 4-11 Detailed Information Page

Add Manually

Please refer to the user manual of HikCentral FocSign Web Client.

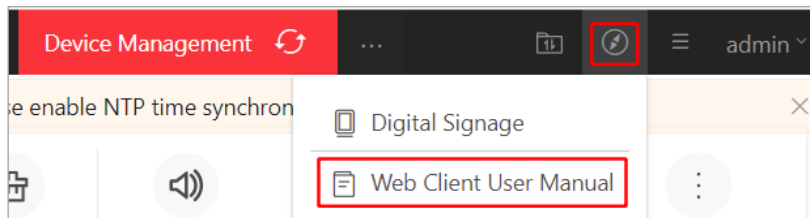


Figure 4-12 Get User Manual






 **Note**

You can also find other necessary operations in the user manual, e.g., Content Creation, Content Release.

4.3.3 Operations on Device Page

You can find 5 buttons on the top of the page.

Table 4-1 Button Description

Icon	Description
	Click to return to the program page.
	Click to go to the FocSign Editor application. Please refer to the user manual in “ 4.3.5 Release via FocSign Editor ” for more details.
	Click to detect the connectivity of the device and server, etc.
	<ul style="list-style-type: none"> ● Enable Password Protection or not. ● You can choose to save programs to Embedded Storage Forcefully or not. ● Choose to hide or display Device Information on the lower left corner, e.g. device offline prompt. ● Choose to hide or display Frame Rate and Network Speed in the window of live view stream media program.
	Click to exit FocSign Player.

4.3.4 Release via USB Flash Drive

Apart from releasing programs on the platform, you can also insert USB flash drive to release.

Before You Start

- FocSign Player has been activated.
- Go to **Settings** → **Security**, and disable **Storage Forbid**.

Steps

Step 1 Create a file named “infoData” in the root directory of the USB flash drive.

Step 2 (Optional) Name the material file. The naming rule is “number_file name.mp4/jpeg”, e.g., 1_material.mp4, 22_material.jpeg.

 **Note**

The number should be no more than 5 digits.

Step 3 (Optional) Create a config.txt file in “infoData”, and enter “time=10s” in the txt file. The number 10 is the switching time of images, and the default time is 10 seconds. You can edit the number, and insert USB flash drive again. Images will be switched in corresponding time.

 **Note**

The time should be in the range of 10s-604800s. If the set number is out of the range, the switching time will become 10s by default.

Step 4 Insert the USB flash drive into the device, and enter your password. The device will release programs automatically in full screen.

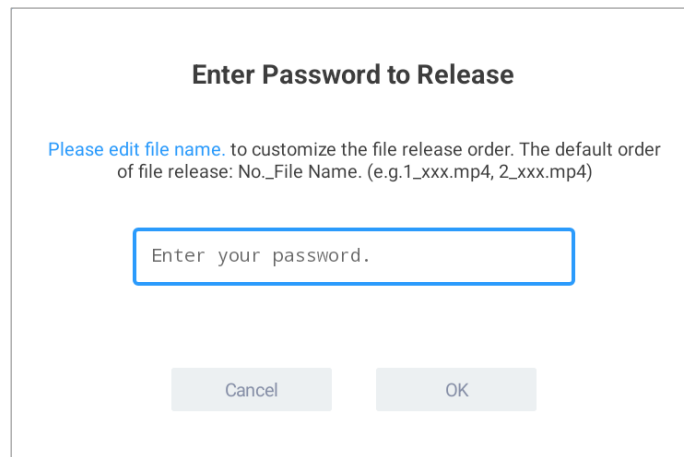


Figure 4-13 Enter Password to Release

 **Note**

- If you have customized material names, the playing order is the number order of files.
- If you do not customize material names, the files will be played in the order of last edited. The last edited file will be played first. In addition, images will be played first, and then videos will be played.

4.3.5 Release via FocSign Editor

FocSign Editor is a local editing software that can make and release programs on the Digital Signage. You can scan the QR code below for the user manual.



Figure 4-14 FocSign Editor User Manual

4.4 FileBrowser

Click **FileBrowser** on the home page. All the files under the current directory are shown by default. Tap **Image**, **Doc**, **AV**, or **Installation Package** to view specified files.

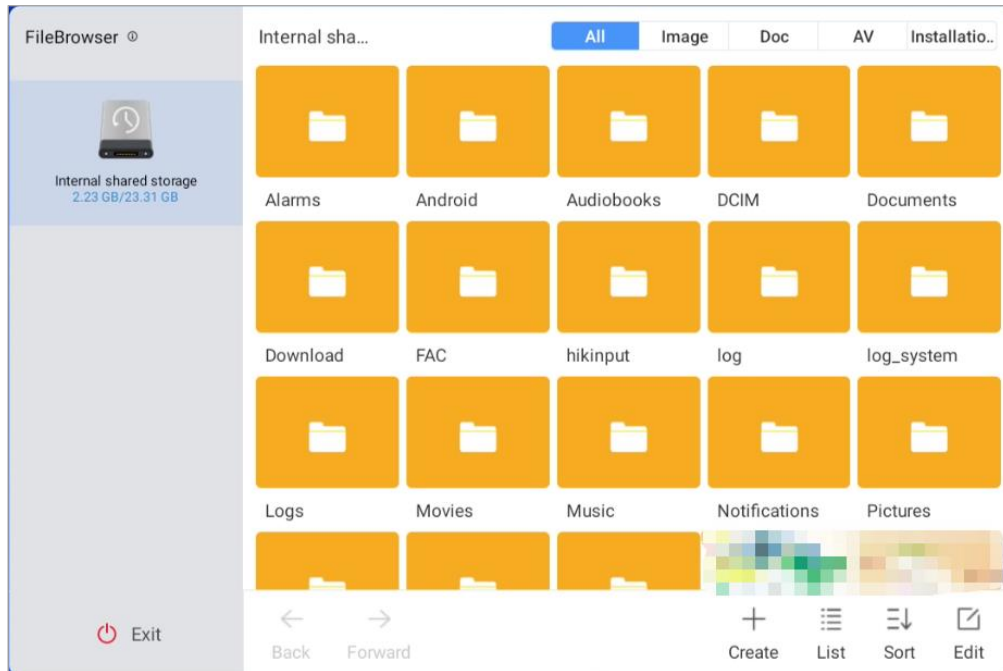


Figure 4-15 FileBrowser

Icons are described as follows.

Table 4-2 Descriptions of FileBrowser Icons

Icon	Description	Icon	Description
Back/Forward	Go to the previous/next page.	Create	Create a new folder.
Grid/List	View the files in grid or list mode.	Sort	Change the file order.
Edit	Edit the files.	/	/

Click  to edit documents. More functions are described as follows.

Table 4-3 Descriptions of Editing Icons

Icon	Description	Icon	Description
Select All	Select all the files.	Copy To	Copy the selected file(s) to another folder.
Move To	Move the selected file(s) to another folder.	Delete	Delete the selected file(s).
Share	Share the selected file(s).	/	/

 **Note**

Press and hold the file to perform other operations.

4.5 WonderCastServer

You can mirror the screen of your PC or mobile phone on the Digital Signage. Please scan the following QR code for more details about WonderCastServer.



Figure 4-16 WonderCastServer User Manual

 **Note**

Functions of WonderCast may vary on different device models. Please refer to the actual situation of the application.

4.6 System Pre-Installed Applications

The following table briefly describes the applications pre-installed in the system. Refer to the help document of desired application to get more details.

 **Note**

The system pre-installed applications vary from different device types.

Table 4-4 Introduction of System Pre-Installed Applications

Application	Introduction
FileBrowser	Manage your files.
Gallery	It is used for viewing pictures in SD card and USB disk.
AM Player	AM Player is a fully functional tool media player.
WonderCastServer	An application used to connect the device, mobile phone, or PC for screen mirroring.

Chapter 5 System Settings

5.1 Network Settings

5.1.1 Wired Network Settings

Steps

Step 1 Go to **Settings** → **Network** → **Wired Network**.

Step 2 Enable **Wired Network**.

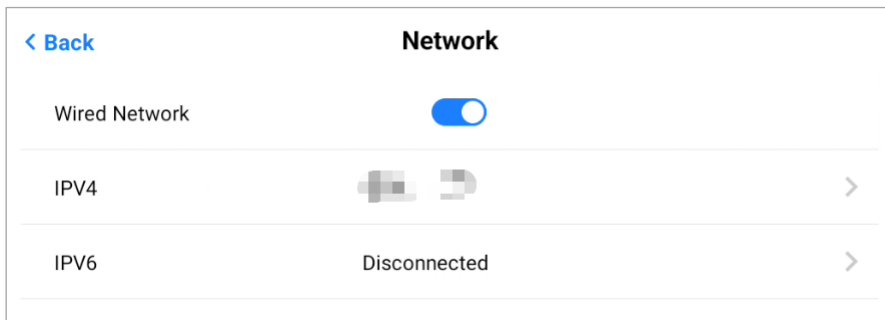


Figure 5-1 Wired Network Settings

5.1.2 Wireless Network Settings

Steps

Step 1 Go to **Settings** → **Network** → **Wireless Network**.

Step 2 Enable **WLAN**, and you can add a new network or connect to an available network.

Connect to Available Networks

Tap the desired network in the available network list, and enter the password to connect.

Add Other Networks

Steps

Step 1 Tap **Other Networks**.

Step 2 Enter network name and select **Security**.

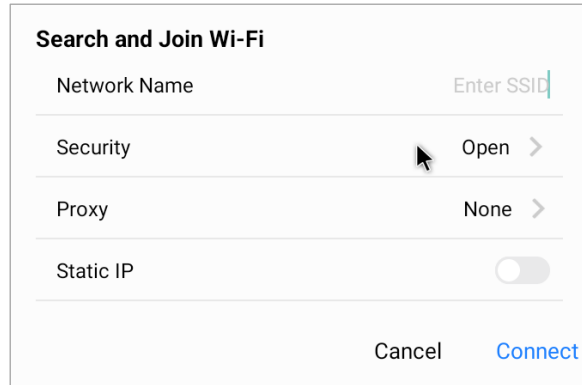


Figure 5-2 Add Other Network

Step 3 (Optional) Select proxy and network IP type.

Step 4 Tap **Connect** to connect the device to the added wireless network.

5.1.3 Hotspot Settings

When the device is connected to the wired network, it can provide wireless network for other devices with hotspot enabled.

Steps

Step 1 Go to **Settings** → **Network** → **Hotspot**.

Step 2 Enable **Portable WLAN Hotspot**.

Step 3 Set parameters in the pop-up page.

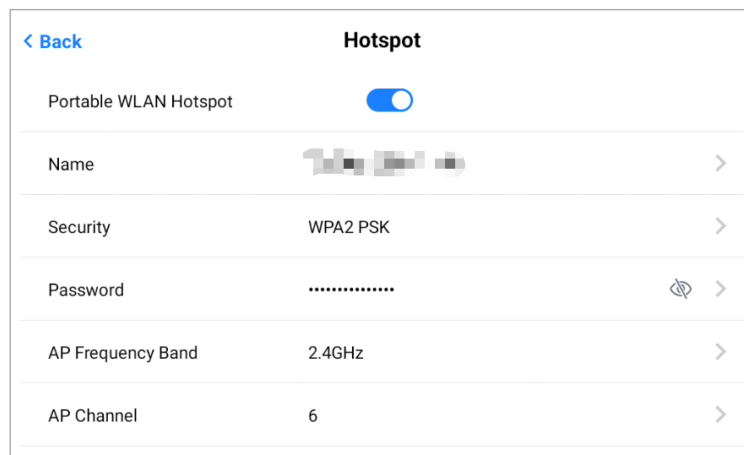


Figure 5-3 Hotspot Settings

Note

If the device supports both 2.4 GHz and 5 GHz, set 5 GHz as **AP Frequency**, and recommended channels as **AP Channel** for better experience functions such as wireless screen mirroring.

5.1.4 Bluetooth

The remote control, audio, keyboard, etc. can be connected through Bluetooth, and file transfer can also be performed.

Enable **Bluetooth** to search the available devices nearby, and tap the desired one to connect.

5.2 Display Settings

Go to **Settings** → **Display** to adjust parameters, such as brightness and screen rotation.

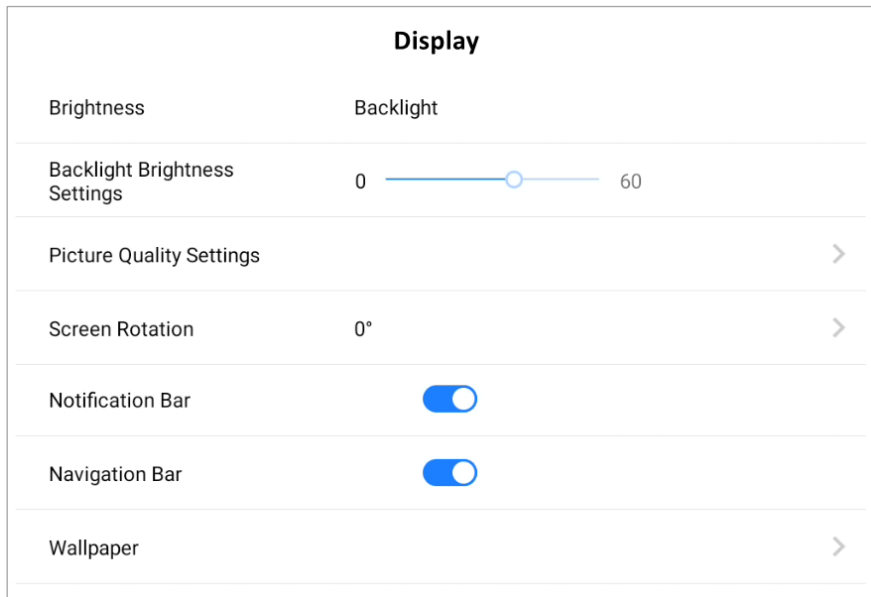


Figure 5-4 Display Settings

Backlight Brightness Settings

Slide to adjust the brightness of the screen.

Picture Quality Settings

Click to adjust the **Image Mode**, **Contrast**, **Saturation**, **Sharpness**, and **Color Temperature**.

Screen Rotation

Click to set the screen rotation angle.

Notification Bar

Enable to see the notification bar.

Navigation Bar

Enable to see the navigation bar.

Wallpaper

Click to select wallpaper from Gallery or Wallpaper & Style.

5.3 Audio Settings

Steps

Step 1 Go to **Settings** → **Audio** to set audio parameters.

Step 2 Adjust the **Volume** value.

Step 3 Enable **Timed Audio**. You can configure this function on the HikCentral FocSign Web Client.

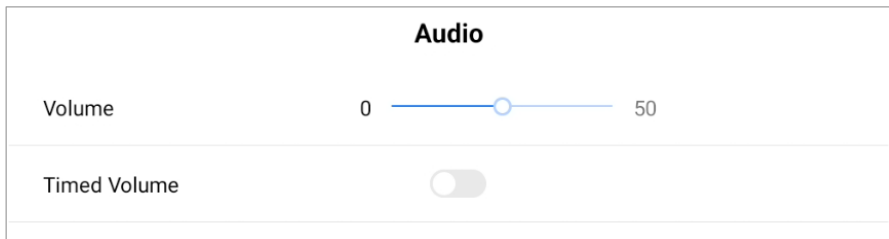


Figure 5-5 Audio Settings

5.4 App Management

Steps

Step 1 Go to **Settings** → **App Management**.

Step 2 Click **Run at Startup** and enable. You can select applications to run when the device starts up.

Step 3 Click **Default App** to set the default **Browser App** and **Homepage App**.

Step 4 Click the desired application to check details.

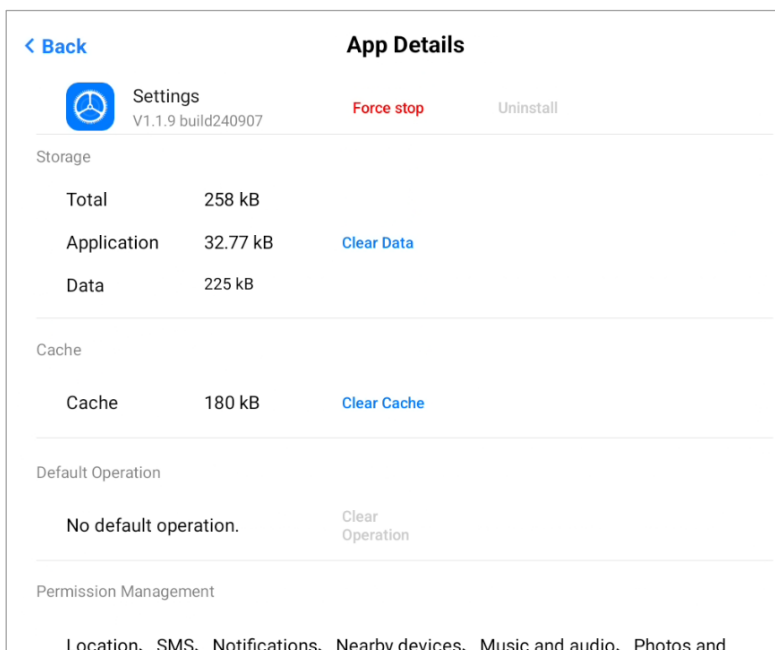


Figure 5-6 Application Details

 **Note**

The built-in applications cannot be uninstalled. You can tap the icon in **App Details** to open the application.

5.5 Storage Management

Click **Storage Management** to see the detailed storage information.

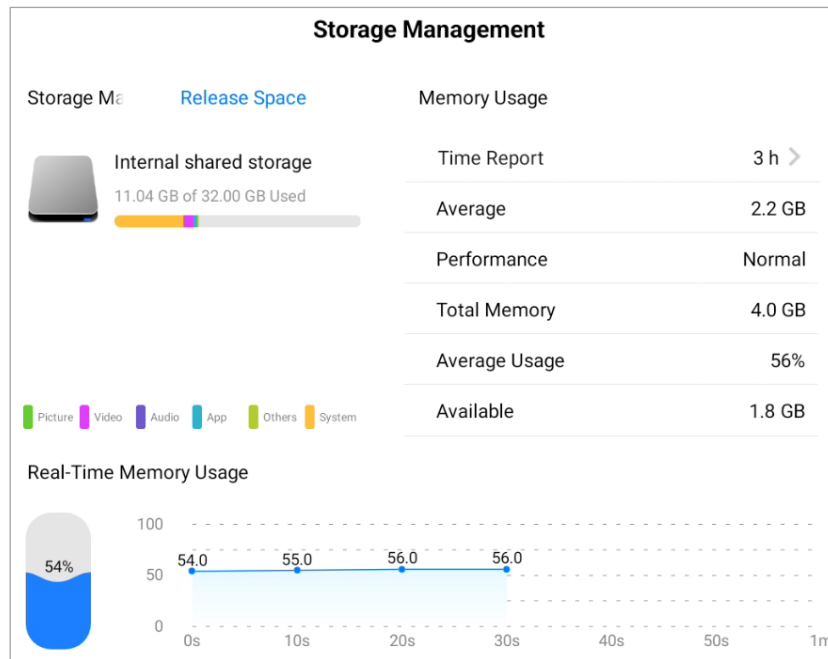


Figure 5-7 Storage Management Details

5.6 Security

Go to **Settings** → **Security** to set security configuration. You need to enter the **Activation Code** when enabling the configuration.

 **Note**

The activation code here is the password you set when entering the device for the first time.

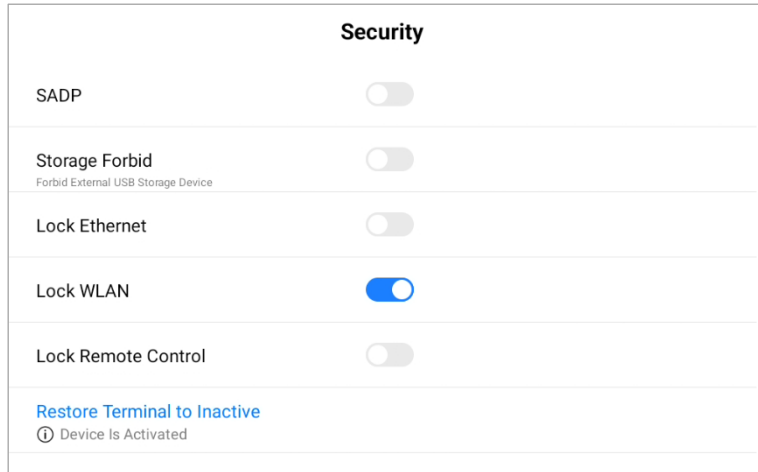


Figure 5-8 Security Settings

5.7 System

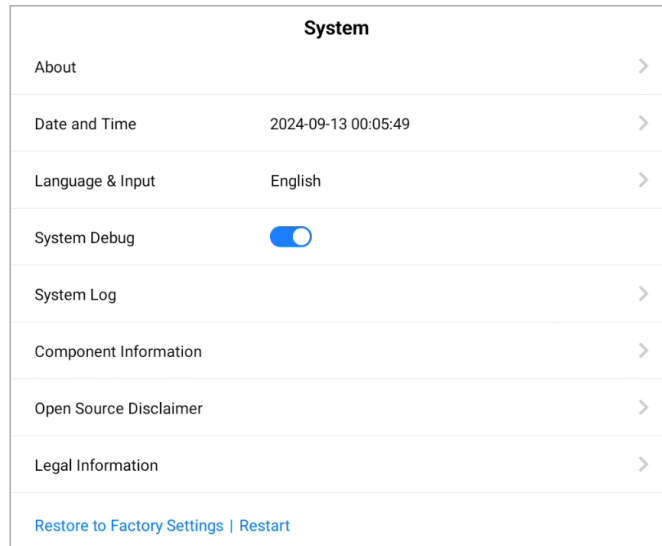


Figure 5-9 System Settings

5.7.1 About

Click to see the device information, e.g., **Device Model**, **Serial No.**, **Android Version**.

5.7.2 Date and Time

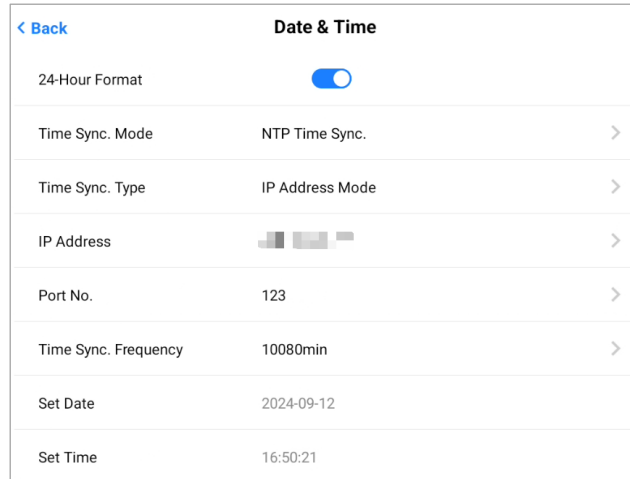


Figure 5-10 Date and Time Settings

Step 1 Select **Time Sync. Mode**.

- If you select **Manual Time Sync.** mode, you can set the date and time manually.
- If you select **NTP Time Sync.** mode, please then select the **Time Sync. Type (IP Address Mode or Domain Name Mode)** and enter the **IP Address / Domain Name, Port No., and Time Sync. Frequency**.

Step 2 Click **Select Time Zone** to select the region.

Step 3 (Optional) Enable **24-Hour Format** to display the time in 24-hour format.

5.7.3 Language & Input

Steps

Step 1 Go to **Settings** → **System** → **Language & Input**.

Step 2 Click **Language** to select the desired language.

Step 3 Click **Input Method** to select the desired input method.

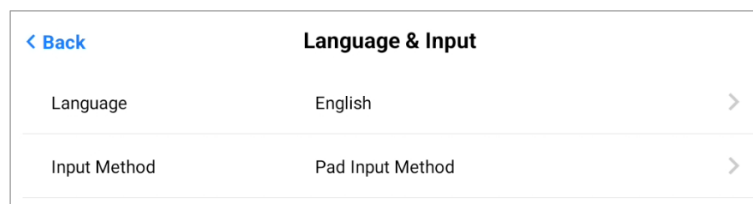


Figure 5-11 Language and Input Settings

5.7.4 Other Information

Click other information to enable **System Debug**, see **System Log, Component Information, Open Source Disclaimer** and **Legal Information, Restore to Factory Settings** and **Restart** the device.

5.8 Advanced Settings

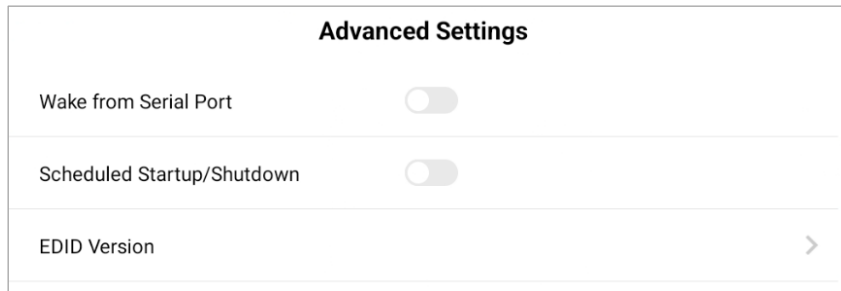


Figure 5-12 Advanced Settings

Wake from Serial Port

If this function is enabled, the device in standby status can be woken up by serial port command.

Scheduled Startup/Shutdown

Set the schedule for startup and shutdown.

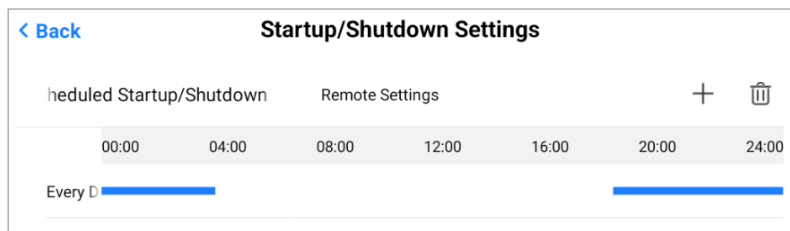
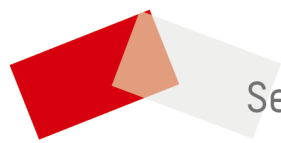


Figure 5-13 Scheduled Startup/Shutdown Settings

EDID Version

You can select EDID's version.



See Far, Go Further