



Digital Signage

Quick Start Guide

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FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. 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.

FCC Conditions

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

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

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This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: <http://www.recyclethis.info>.



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: <http://www.recyclethis.info>.

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.




Preface

Applicable Models

This manual is applicable to Digital Signage.

Symbol Conventions

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

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

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Chapter 1 Product Introduction

Digital signage (hereinafter referred to as the terminal) displays are used to broadcast information, release news, and advertise products, etc, working together with other related products, such as information release servers and information release system, or the digital signage lite. Digital signage displays are divided into two types according to the appearance: wall-mounted displays and standing displays, which are widely applied to industries such as entertainment, finance, and transportation. The adapted display connected to the is equivalent to the digital signage. The following instructions are subject to the digital signage.

Chapter 2 Typical Application

This chapter describes two typical application scenes for your reference. The two scenes are different and require different configuration of your terminals. Please strictly follow the operation instructions described in the following sections.

Scene 1

Refer to the following table for the detailed description of the scene 1.

Table 2-1 Scene 1 Description

Item	Description
Components	Server: Information Release Server (DS-D60S-B) Client: Information Release System Client Terminal: Digital Signage
Terminals Supported	≥ 30
Key Functions	<ul style="list-style-type: none"> • Multiple users are allowed for the server. • Access the server through the client. • Manage terminals through the server. • Upload materials to the server. • Edit programs. • Create and schedules to terminals.

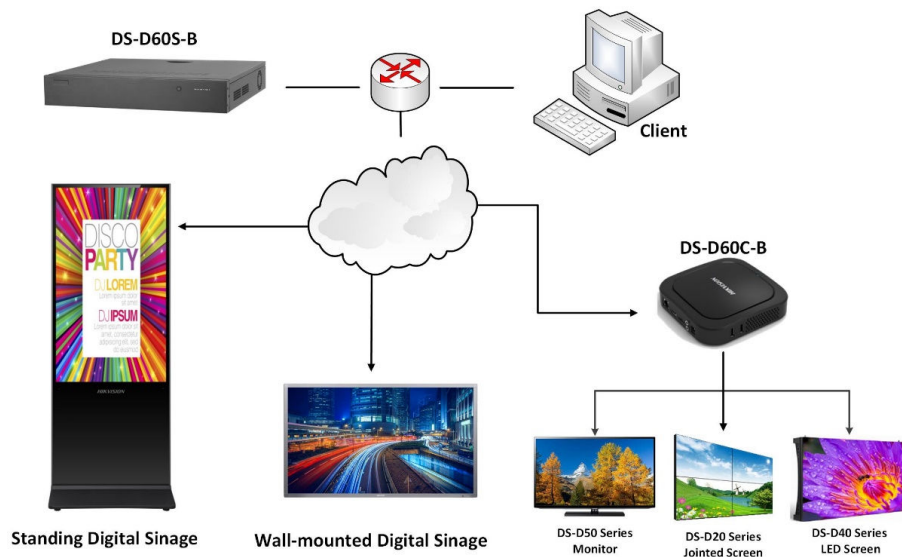


Figure 2-1 Scene 1

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Scene 2

Refer to the following table for the detailed description of the scene2.

Table 2-2 Scene 2 Description

Item	Description
Components	Client: Digital Signage Lite Terminal: Digital Signage
Terminals Supported	≤ 30
Key Functions	<ul style="list-style-type: none"> • Only one user is allowed for the client. • Manage terminals on the client. • Edit programs on the client. • Create and schedules to terminals.

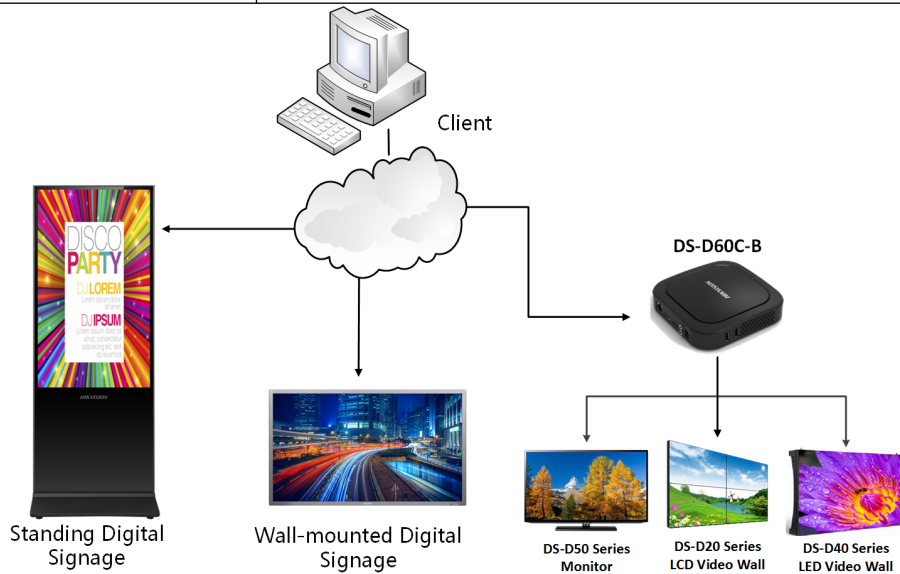


Figure 2-2 Scene 2


Scene 3

Refer to the following table for the detailed description of the scene 3.

Table 2-3 Scene 3 Description

Item	Description
Components	Server: FocSign Server Client: FocSign Client, FocSign Web, or FocSign Mobile

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Item	Description
	Terminal: Digital Signage
Terminals Supported	≥ 30
Key Functions	<ul style="list-style-type: none"> • Multiple users are allowed for the client. • Upload materials to the server. • Manage terminals on the server. • Edit programs on the client. • Create schedules to terminals. • Face recognition and check-in functions with intelligent cameras. <p> Note</p> <p>Some types of terminals have built-in cameras, while others require connection to external cameras.</p>

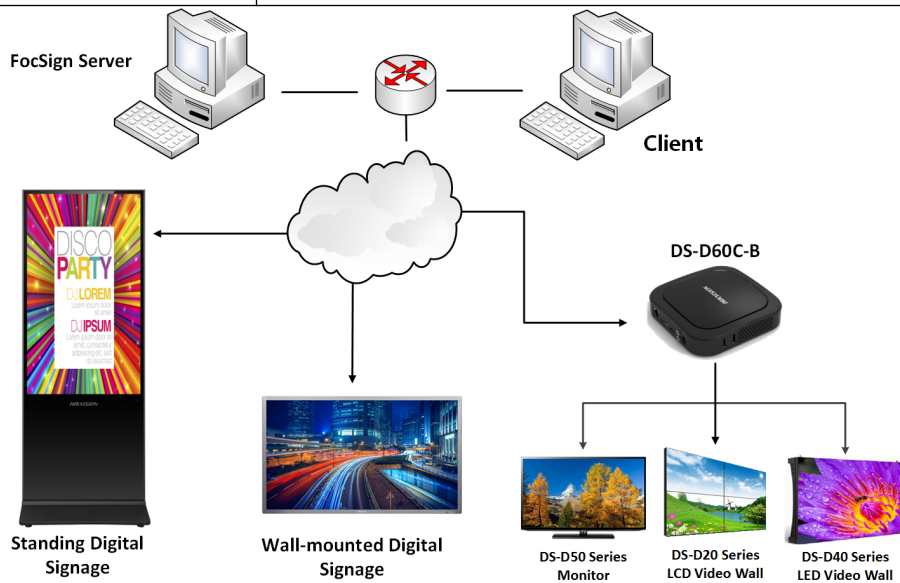


Figure 2-3 Scene 3

Chapter 3 Activation

This chapter describes activation methods in three scenes. The way of activation in three scenes is different. Please select activation methods according to the scenes.

3.1 Activation for Scene One

3.1.1 Activate on the Client

Before You Start

Your computer used for running the client is on the same network segment with the terminal.

Steps

1. Run client software.

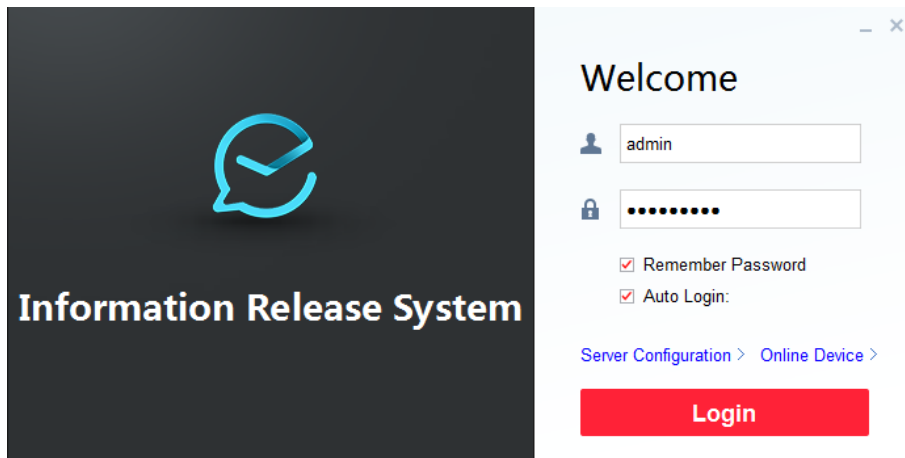


Figure 3-1 Login

2. Click **Online Device**.

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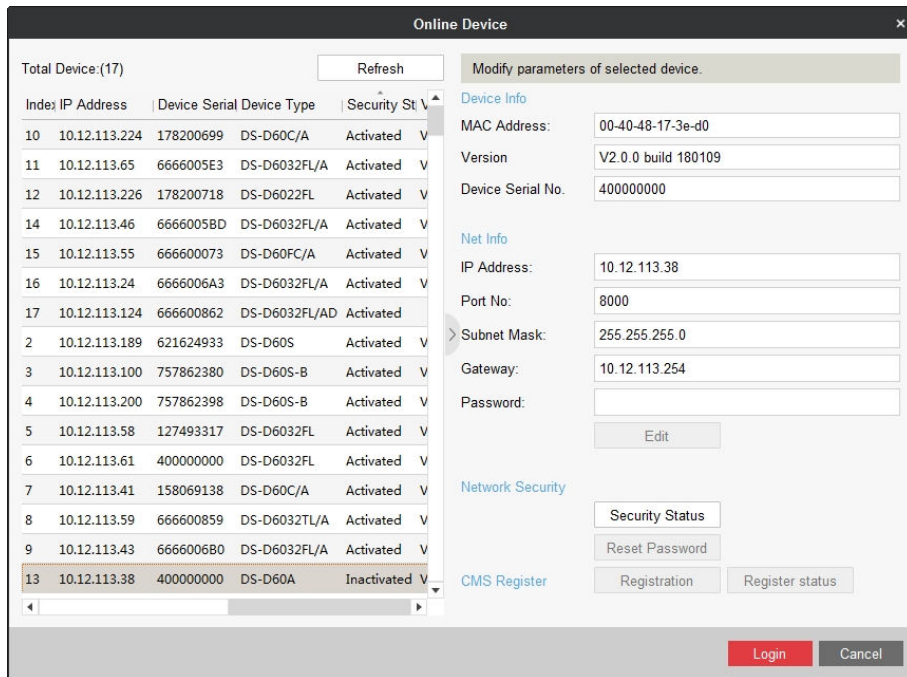


Figure 3-2 Online Device

3. Select terminal to activate and click **Security Status**.



Figure 3-3 Network Information

4. Enter Password, enter the same password in Confirm Password text-field, and click **Apply**.

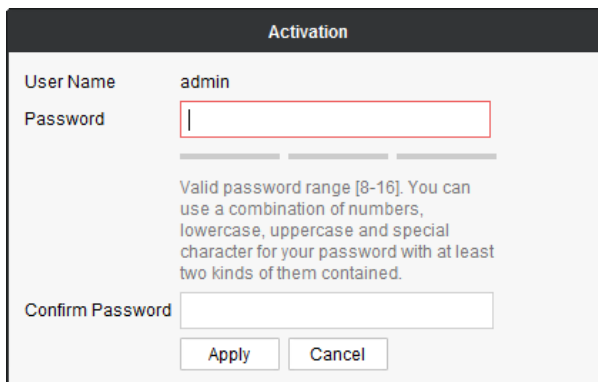


Figure 3-4 Terminal Activation

3.1.2 Activate on the Terminal

Steps

1. Power on the terminal.

2. Click **ACTIVATE** on activation interface.
3. Enter password and confirm password.
4. Click **ACTIVATE**.

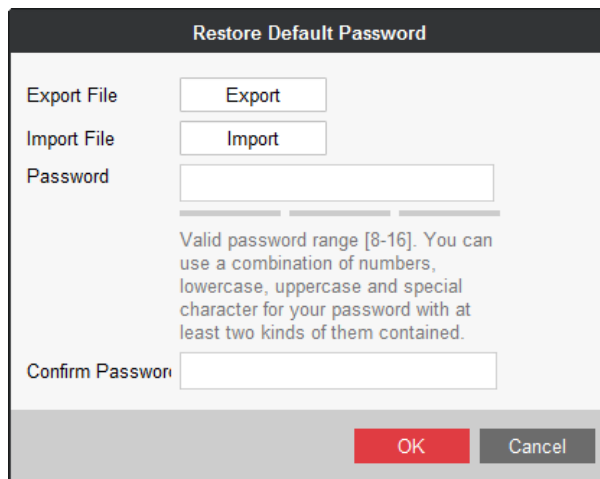
3.1.3 Reset Password on the Client

Steps



You are highly recommended to reset password with the help of our technical support.

1. Click **Export** to export the restoration file and send the file to our technical support.



Restore Default Password

Export File

Import File

Password

Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

Confirm Password

Figure 3-5 Reset Password

2. Technical support will send you back a file. Click **Import** and select the file.
3. Enter Password, enter the same password in Confirm Password text-field, and click **OK**.

3.2 Activation for Scene Two

3.2.1 Activate on the Client

Before You Start

- Your computer used for running the client is on the same network segment with the terminal.
- Your terminal is powered on.

Steps


1. Go to **Terminal Management**.
2. Click  on the lower-right corner.
3. Select the terminals to activate.
4. Click **Activate**.

Figure 3-6 Activate Terminal

5. Set the terminal password and confirm password.
6. Click **OK**.
7. **Optional:** Edit network parameters of the terminal.
 - 1) Select **Terminal** → **Terminal Configuration** → **Terminal Network** .
 - 2) Enter and edit network parameters such as **IP Address**, **Subnet Mask** and **Gateway**.
 - 3) Click **OK**.

3.2.2 Activate on the Terminal

The way of activation on the terminal is the same as in Scene One. To activate on the terminal, refer to **Activate on the Terminal** .

3.3 Activation for Scene Three

There are three ways to activate the terminals in Scene Three.


- Activate the terminal on the client. Please get FocSign Client in the company website.
- Activate the terminal on the mobile phone. Please download FocSign Mobile in the company website or App Store.
- Activate on the terminal.

3.3.1 Activate on the Client

Before You Start

- Your computer used for running the client is on the same network segment with the terminal.
- Your terminal is powered on.

Steps

1. Log into FocSign Client.
2. Click **Terminal** in the menu bar.
3. Click  in **Online Device** to view online terminals.
4. Select the terminal to be activated.
5. Click **Activation**.

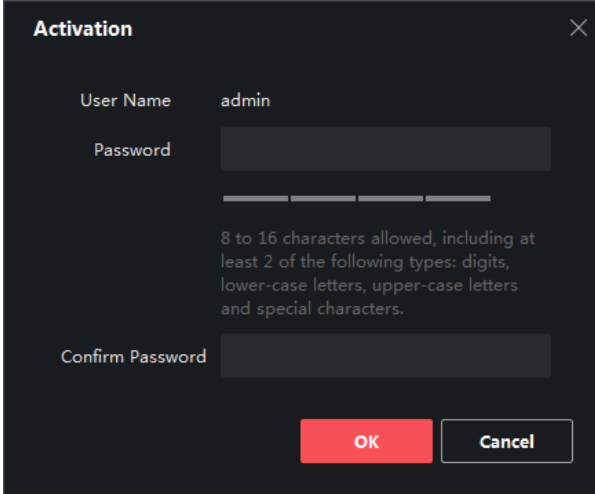


Figure 3-7 Activate Terminal


6. Set the terminal password and confirm password.
7. Click **OK**.
8. **Optional:** Edit network parameters of the terminal.
 - 1) Select **Terminal** → **Terminal Configuration** → **Terminal Network** .
 - 2) Enter and edit network parameters such as **IP Address**, **Subnet Mask** and **Gateway**.
 - 3) Click **OK**.

3.3.2 Activate on the Mobile Phone

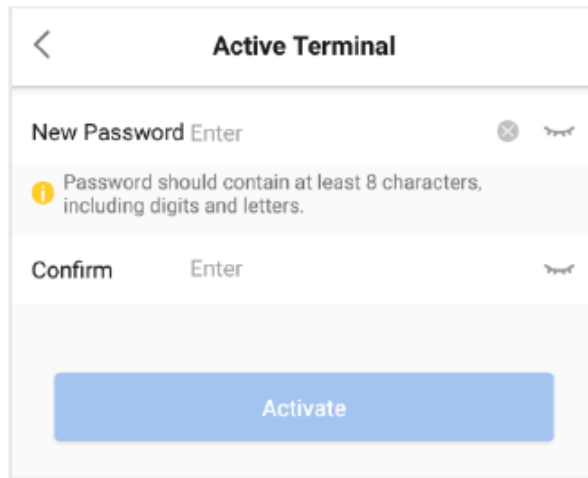
Steps

Note

- Before activating terminals, please ensure that SADP is enabled on the terminals. When the SADP is disabled, there are no QR code on the terminal.
- The APP and the terminal must be in the same network segment. If a router exists, and the terminal is connected to the router with the network cable, the mobile phone must be in the Wi-Fi network environment provided by the same router.
- Please refer to FocSign Client user manual to activate or register terminals in different network segments with the APP.

1. Log into FocSign Mobile.
2. Tap  on the upper right corner of the Terminal interface to scan the QR code of the terminal.

3. Enter the **New Password** and confirm it.



The screenshot shows a mobile application interface titled "Active Terminal". At the top left is a back arrow icon. Below the title, there are two input fields. The first is labeled "New Password" and has a placeholder "Enter". To its right are a close icon (an 'x' in a circle) and a visibility toggle icon (an eye). Below this field is a light gray informational message: "Password should contain at least 8 characters, including digits and letters." The second input field is labeled "Confirm" and has a placeholder "Enter". To its right is a visibility toggle icon (an eye). At the bottom of the screen is a large blue button with the text "Activate".

Figure 3-8 Activate Terminal

4. Tap **Activate**.

3.3.3 Activate on the Terminal

The way of activation on the terminal is the same as in Scene One. To activate on the terminal, refer to ***Activate on the Terminal*** .

Chapter 4 Registration

This chapter describes registration methods in three scenes. The way of registration in three scenes is different. Please select registration methods according to the scenes.

4.1 Register Terminals for Scene One

4.1.1 Register on the Client

To register terminals to the information release server (hereinafter referred to as the server).

Before You Start

- You have activated your terminals.
- Your computer used for running the client is on the same network segment with the server.

Steps

1. Run the client software.
2. Click **Online Device**.

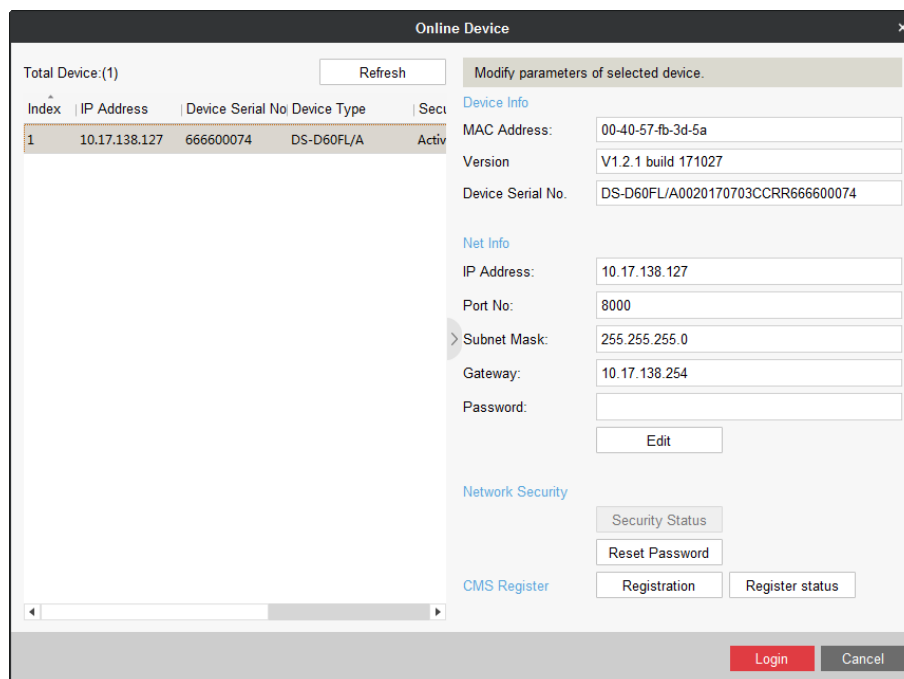


Figure 4-1 Online Device

3. Select an activated terminal and click **Registration**.

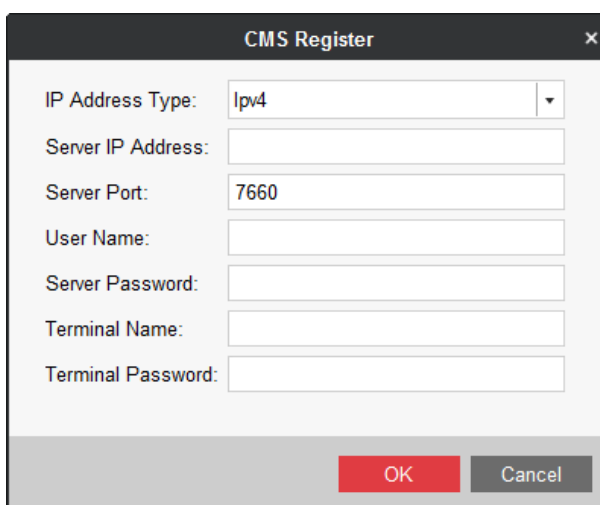


Figure 4-2 CMS Register

4. Enter server information, including Server IP Address, Server Port, server User Name, and Server Password.

 **Note**

The server port is 7660 by default. You can change the server port as needed.

5. Enter a custom **Terminal Name**.
6. Enter the **Terminal Password**.
7. Click **OK**.
8. **Optional:** Click **Register status** and enter **Terminal Password** to check registration status.

4.1.2 Register on the Terminal

You can register your terminals on themselves.

Steps

 **Note**

If your terminal is touchscreen, you can operate the terminal with your figure and skip Step 1.



1. Attach a mouse.
2. Click  on the side of the screen.
3. Enter screen-saving password.
4. Click **Confirm**.
5. Click  on the sidebar.
6. Set server parameters.

Table 4-1 Server Parameters

Parameter	Description	Example
Device name	User defined	Device 1
IP address	Server IP	10.11.5.224
Port	Server port	8000
Username	Server username	admin
Password	Server password	Qaz1234

7. Click **Save**.

4.2 Register Terminals for Scene Two


4.2.1 Register on the Client

Register Terminals in the Same Network Segment

Before You Start

The terminal and the client are in the same network segment.

Steps

1. Go to **Terminal Management**.
2. Click  on the lower-right corner.
3. Select the terminals to register.
4. Click **CMS Registration**.

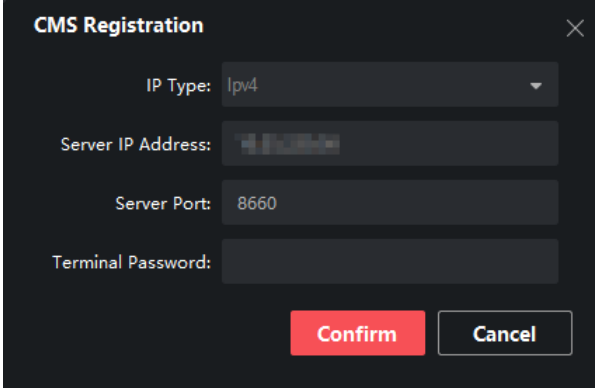


Figure 4-3 CMS Registration

5. Set IP type, IP address, and server port.
6. Enter terminal password.
7. Click **OK**.

8. **Optional:** Click **Acquire Registration Status** to view terminal registration status.

Register Terminals by IP Address

Steps

1. Go to **Terminal Management**.
2. Click **Add Terminal**.

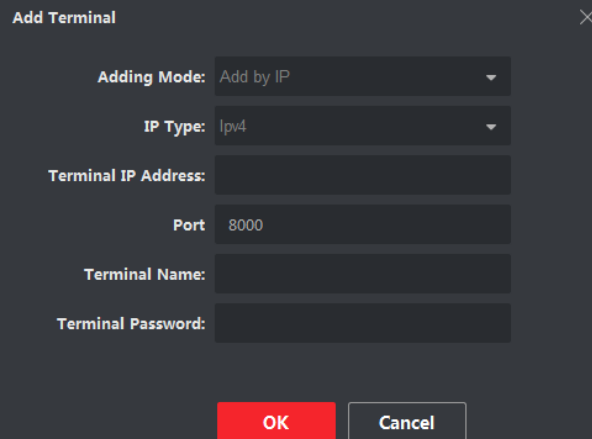



Figure 4-4 Add Terminal

3. Select **Adding Mode** as **Add by IP**.
4. Enter **Terminal IP Address** and **Port**.
5. Enter **Terminal Name** and **Terminal Password**.
6. Click **OK**.

Register Terminals by Serial No.

Before You Start

1. Enter information release software in your terminal.
2. Click  on the sidebar to obtain terminal serial No.

Steps

1. Click **Terminal Management**.
2. Click **Add Terminal**.
3. Select **Adding Mode**.

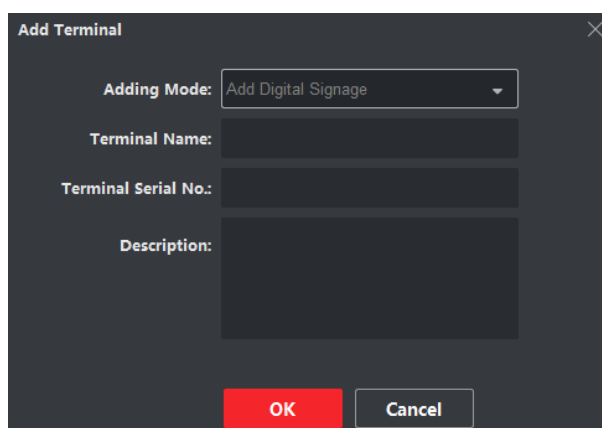



Figure 4-5 Add Terminal by Serial No.

4. Enter **Terminal Name**, **Terminal Serial No.** and **Description**. Description is optional.
5. Click **OK**.
6. Register the computer where information release client to terminal.
 - 1) Enter information release software in terminal.
 - 2) Click  on the sidebar.
 - 3) Enter the information of the computer and information release client on the server configuration interface.
 - 4) Click **Save**.

4.2.2 Register on the Terminal

The way of registration on the terminal is the same as in Scene One. To activate on the terminal, refer to *Register on the Terminal* .

4.3 Register Terminals for Scene Three

There are three ways to register terminals in Scene Three.

- Register the terminal on the client.
- Register the terminal on the mobile phone.
- Register on the terminal.

4.3.1 Register on the Client

You can register the activated terminal to the client.

Before You Start

The terminal and the client are in the same network segment and the terminal is activated.

Steps

1. Log into FocSign Client.

2. Click **Terminal** in the menu bar.
3. Click **Remote Registration** in **Online Device** bar.
4. Enter the **Terminal IP Address**, **Terminal Password** and **Terminal Name**.

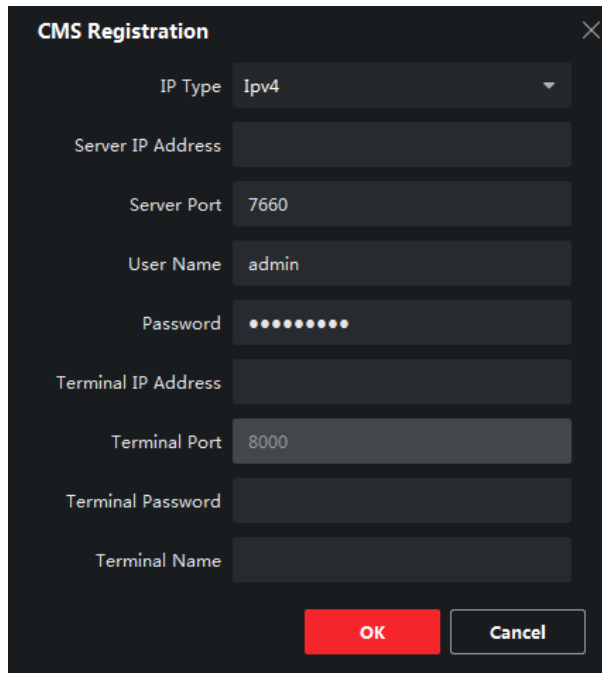


Figure 4-6 Remote Registration


5. Click **OK**.
6. **Optional:** Click **Acquire Registration Status** to view terminal registration status.

4.3.2 Register on the Mobile Phone

Steps

Note

- Before registering terminals, please ensure that SADP is enabled on the terminal. When the SADP is disabled, there are no QR code on the terminal.
 - The APP and the terminal must be in the same network segment. If a router exists, and the terminal is connected to the router with the network cable, the mobile phone must be in the Wi-Fi network environment provided by the same router.
 - Please refer to FocSign Client user manual to activate or register terminals in different network segments with the APP.
 - The terminal is activated.
-

1. Log into FocSign Mobile.
2. Tap  on the upper right corner of the **Terminal** interface to scan the QR code of the terminal.
3. Enter **Terminal Name** and **Password**.

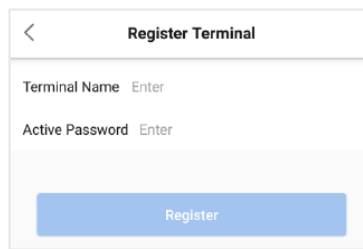
A screenshot of a mobile application interface titled "Register Terminal". At the top left is a back arrow icon. Below the title, there are two input fields: "Terminal Name" and "Active Password", each followed by an "Enter" label. At the bottom of the form is a blue button labeled "Register".

Figure 4-7 Register an Activated Terminal

4. Tap Register.







4.3.3 Register on the Terminal

The way of registration on the terminal is the same as in Scene One. To activate on the terminal, refer to ***Register on the Terminal*** .

Chapter 5 FocSign Player Operations

Please start the information release software on your terminals manually if the software does not start automatically. Click the icon on the side of the screen to expand the sidebar.

Table 5-1 Description of Terminal Software Sidebar

Icon	Description	Icon	Description
	Back to Desktop		Back to Previous Menu
	Open System Setting. To show or hide the terminal information.		Open Server Settings
	Lock the Screen		View the Terminal Information

Chapter 6 Face Attendance App Operation

To achieve face attendance function on the terminal, you need to configure face attendance camera and face attendance parameters.

6.1 Add a Face Attendance Camera

You can add a face attendance camera on the client or on the terminal manually.

6.1.1 Add on the Client

Add and link face attendance cameras to terminals through the client so that the terminals can receive information from the cameras.



Note

Up to 8 face attendance cameras can be added, but only 1 smart camera can be added.

Steps

1. Select **Terminal** and the terminal to be configured in the terminal list.
2. Select **Terminal Configuration** → **Camera Configuration** → **Terminal Camera** .

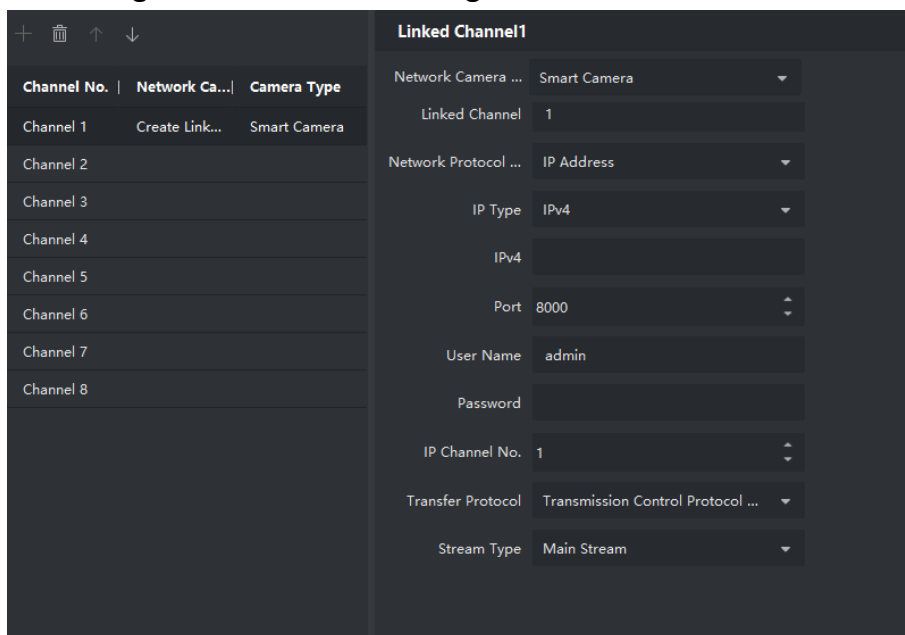




Figure 6-1 Configure face attendance camera

3. Select a channel and click .
4. Enter face attendance camera parameters.

Note

- **Network Camera Type** includes **Network Camera & Analog Camera**, **Built-in Camera** and **Smart Camera**.
 - When you add face attendance camera and the terminal has an available camera, select **Built-in Camera**.
 - When you add face attendance camera and the terminal does not have an available camera, select **Smart Camera**.
-

5. Click **OK** to link the terminal with face attendance cameras.

6. **Optional:** Click  or  to change the channel for the face attendance cameras.

6.1.2 Add on the Terminal

Steps

1. Tap **Face Attendance** App.

The password verification window pops up.

2. Enter the password of the app screen saver.

3. Tap **Add Darkeyes**.

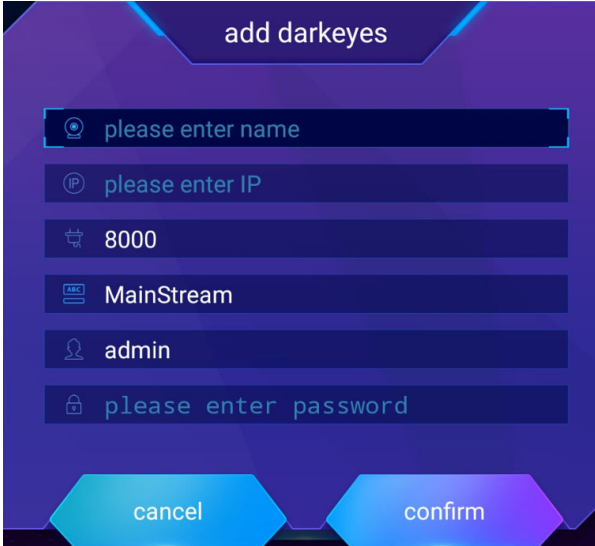


Figure 6-2 Add Darkeyes

4. Enter the camera name, IP address and password.

5. Tap **Confirm**.

Note

- After you add the camera, the homepage title, subtitle, real-time image and person attendance information are displayed on the terminal.
 - Up to 6 cameras can be added into one terminal.
-

6. Long press the homepage title to enter **System Settings**, tap **Attendance Camera** → **Add Darkeys**, and repeat Step 4 and 5 to add other cameras.



Click **Attendance Camera** →  /  to edit or delete the cameras added.

6.2 Edit Homepage Title

You can edit the homepage title on the client or on the terminal.

Edit on the Client

1. Select **Terminal** and the terminal to be configured in the terminal list.
2. Select **Terminal Configuration** → **Face Check-in Configuration** → **Check-in Interface**.

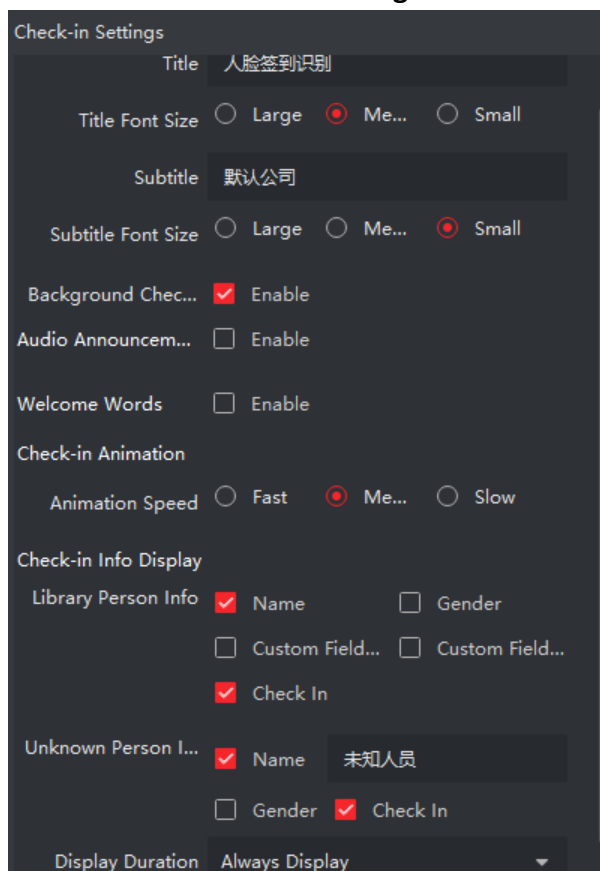


Figure 6-3 Face Attendance Interface Configuration

3. Edit homepage title and subtitle.

Edit on the Terminal

Long press the homepage title to enter **System Settings**, and tap the homepage title to edit it.

Chapter 7 System Settings

Tap FocSign Settings to enter system settings, including display, volume, startup&shutdown, remote control, time settings, etc.

Table 7-1 Function Description

Function	Description
Display	<ul style="list-style-type: none"> • Screen Direction: Rotate through 0°, 90°, 180°, 270°. • Notification and Navigation: Enable or disable notification bar or navigation bar. • Lightness: Select backlight or auto-lightness.
Volume	Enable or disable auto-volume, set the volume of the terminal, and set audio output mode.
Startup&Shutdown	Enable or disable auto-startup/shutdown, and restart the terminal.
Remote Control	Bind remote control with the terminal.
Time	Enable or disable NTP time sync. After enabling NTP time sync, you can set time sync type, IP address, Port No., and time sync frequency.
System	<ul style="list-style-type: none"> • Enable or disable lock screen or SADP. • System Maintenance: enable or disable system debugging, and restore to inactive status.
About	View software information and component information. Software information includes terminal mode, terminal serial number, Android version, system version and Settings version. Component information includes Face Attendance app, remote control binding, FocSign Player, FocSign Settings, FocSign Service, SADP and SDK.

Chapter 8 Remote Control Operations

8.1 Remote Control (Type One)

8.1.1 Functions of Remote Control Keys

Table 8-1 Remote Functions

Appearance	Key	Description
	1	Power on/off
	2	Number
	3	Freeze the screen
	4	Desktop
	5	Directional button OK System settings
	6	Volume
	7	Signal source
	8	Terminal information
	9	Back
	10	Change the signal source
	11	Brightness
	12	Server information
	13	Delete
	14	Reserved
	15	Mute
	16	Screen capture

Note

- For DS-D6055UN-B (55-inch 4K Information Release Screen), When Information release software is running, press F1 to show information such as device No.
- The No.10 Key becomes effective only when Information Release System is in TV Setting Mode.

8.1.2 Operation of Remote Control

For DS-D6043FN-B, DS-D6055UN-B and DS-D6055FN-B models of the digital signage, aim at the screen center with the remote control, as shown in Figure 6-1. For other models, aim at the bottom of the screen.

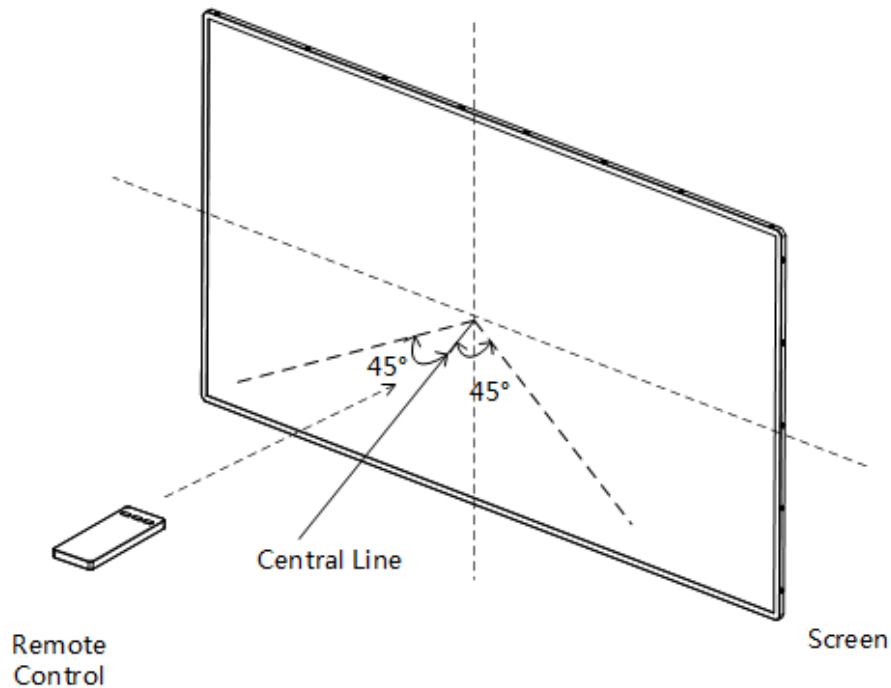


Figure 8-1 Operation of Remote Control

Note

- The picture of the remote control is for illustration purpose only. See **Functions of Remote Control Keys** to get more information of the keys.
- You should operate the remote control within an angle of $\pm 45^\circ$ when aiming at the screen center. Otherwise, the screen does not respond.

8.2 Remote Control (Type Two)

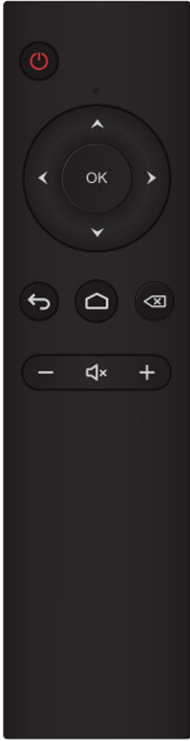








The type-2 Remote Control applies 433 wireless application protocol.

Note

The type-2 Remote Control is only used to control Digital Signage Player.

8.2.1 Functions of Remote Control Keys



Table 8-2 Remote Functions

Appearance	Key	Description
		Power On/Off
		Back
		Delete
		Direction
		OK
		Mute
		Decrease Volume
		Increase Volume

8.2.2 Bind a Remote Control to a Terminal

After being bound to the remote control, the terminal cannot be controlled by any other remote controls and the remote control cannot control any other terminals.

Steps



1. Long press  key and  key on the remote control at the same time until the indicator keeps flashing.
2. Press any key to observe the color of the indicator.

 **Note**

- If the color is blue, go to the next step.
 - If the color is red, go to the previous step.
-



Figure 8-2 Long press Back and Delete key

3. Long press  key and  key on the remote control at the same time until the terminal pops up the verification code.

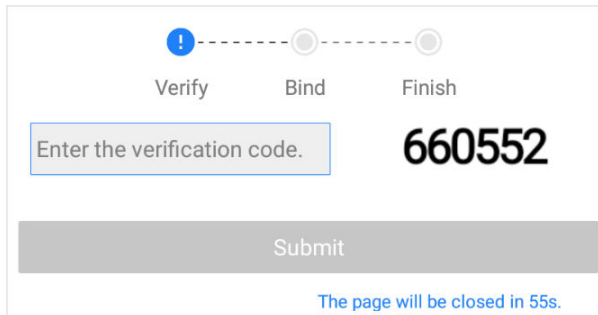


Figure 8-3 Enter Verification Code (Bind)

 **Note**

The system pops up a box for you to enter the verification code only when your terminals are unbound to any remote controls.

4. Enter the verification code of the desired terminal in the countdown. If the verification code disappears, go to the previous step.
5. Submit the verification code.

After the following prompt box pops up, go to the next step.

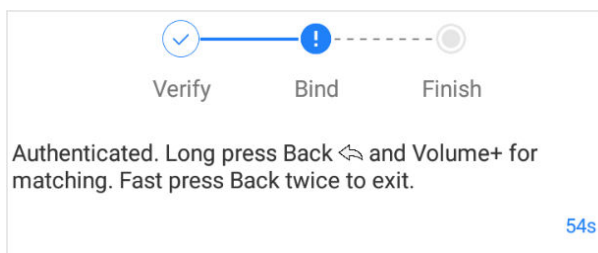






Figure 8-4 Submit Verification Code

6. Long press  key and  key at the same time until the system pops up the success message.

8.2.3 Unbind a Remote Control from a Terminal

The terminal can be unbound by its bound remote control and any other unbound remote controls. After being unbound from the remote control, the terminal can be bound by any other unbound remote controls and the remote control can be bound to any other unbound terminals.



Steps

To unbind a remote control from its bound terminal, long press  key and  key at the same time until the system pops up the success message.

Note



After you press the keys on the remote control, the terminal may not receive the unbinding request due to some reasons, such as device power-off or weak signals. In such cases, the remote control will be unbound from the terminal immediately while the terminal remains bound until it receives the request.

If the remote control bound to a terminal cannot control the bound terminal because it gets lost or damaged, you can use any other unbound remote control to unbind the terminal.

1. Long press  key and  key on the remote control at the same time until the indicator keeps flashing.
2. Press any key to observe the color of the indicator.

Note

- If the color is blue, go to the next step.
- If the color is red, go to the previous step.

3. Long press  key and  key on the remote control at the same time until the terminal pops up the verification code.

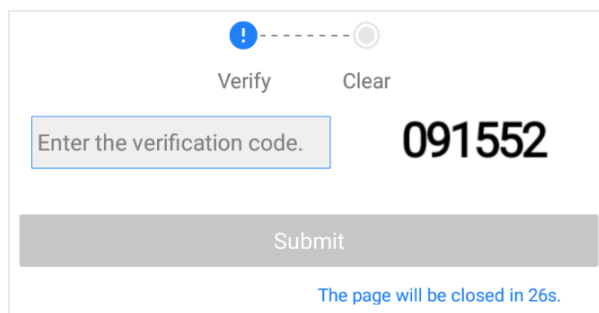


Figure 8-5 Enter Verification Code (Unbind)

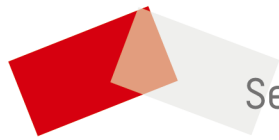
4. Enter the verification code of the desired terminal in the countdown.
5. Submit the verification code.

 **Note**

After the verification code is submitted, the system pops up the success message.

Chapter 9 Get More Information

You can log in to the official website to get the installation package of the client and server.



See Far, Go Further