Digital Signage

Quick Start Guide
Legal Information

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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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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.

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

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<tr>
<th>Table 2-1 Scene 1 Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
</tr>
<tr>
<td>Components</td>
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<tr>
<td></td>
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</tr>
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<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Figure 2-1 Scene 1
Scene 2
Refer to the following table for the detailed description of the scene 2.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Components             | Client: Digital Signage Lite  
|                        | Terminal: Digital Signage                                                   |
| Terminals Supported    | \( \leq 30 \)                                                              |
| Key Functions          | • 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>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| Components             | Server: FocSign Server  
<p>|                        | Client: FocSign Client, FocSign Web, or FocSign Mobile                     |</p>
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal: Digital Signage</td>
<td></td>
</tr>
<tr>
<td>Terminals Supported</td>
<td>≥ 30</td>
</tr>
<tr>
<td>Key Functions</td>
<td>• Multiple users are allowed for the client.</td>
</tr>
<tr>
<td></td>
<td>• Upload materials to the server.</td>
</tr>
<tr>
<td></td>
<td>• Manage terminals on the server.</td>
</tr>
<tr>
<td></td>
<td>• Edit programs on the client.</td>
</tr>
<tr>
<td></td>
<td>• Create schedules to terminals.</td>
</tr>
<tr>
<td></td>
<td>• Face recognition and check-in functions with intelligent cameras.</td>
</tr>
</tbody>
</table>

**Note**

Some types of terminals have built-in cameras, while others require connection to external cameras.

![Diagram](image.png)

**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.
2. Click Online Device.

![Figure 3-1 Login](image)
3. Select terminal to activate and click Security Status.

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

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**

**Note**
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.

![Figure 3-5 Reset Password](image)

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.
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](image)

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.

![Figure 3-8 Activate Terminal](image)

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.

3. Select an activated terminal and click Registration.
4. Enter server information, including Server IP Address, Server Port, server User Name, and Server Password.

![Figure 4-2 CMS Register](image)

**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 finger 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.
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.

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](image)

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**.
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](image)

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**.
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

<table>
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<th>Icon</th>
<th>Description</th>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>🔄</td>
<td>Back to Desktop</td>
<td>🔄</td>
<td>Back to Previous Menu</td>
</tr>
<tr>
<td>🔐</td>
<td>Open System Setting. To show or hide the terminal information.</td>
<td>🔐</td>
<td>Open Server Settings</td>
</tr>
<tr>
<td>🔐</td>
<td>Lock the Screen</td>
<td>🔐</td>
<td>View the Terminal Information</td>
</tr>
</tbody>
</table>
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.
3. Select a channel and click .
4. Enter face attendance camera parameters.

Figure 6-1 Configure face attendance camera
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](image)

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 Darkeyes**, and repeat Step 4 and 5 to add other cameras.

![Image](image_url)

**Note**

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](image_url)

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

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>• Screen Direction: Rotate through 0°, 90°, 180°, 270°.</td>
</tr>
<tr>
<td></td>
<td>• Notification and Navigation: Enable or disable notification bar or navigation bar.</td>
</tr>
<tr>
<td></td>
<td>• Lightness: Select backlight or auto-lightness.</td>
</tr>
<tr>
<td>Volume</td>
<td>Enable or disable auto-volume, set the volume of the terminal, and set audio output mode.</td>
</tr>
<tr>
<td>Startup&amp;Shutdown</td>
<td>Enable or disable auto-startup/shutdown, and restart the terminal.</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Bind remote control with the terminal.</td>
</tr>
<tr>
<td>Time</td>
<td>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.</td>
</tr>
<tr>
<td>System</td>
<td>• Enable or disable lock screen or SADP.</td>
</tr>
<tr>
<td></td>
<td>• System Maintenance: enable or disable system debugging, and restore to inactive status.</td>
</tr>
<tr>
<td>About</td>
<td>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.</td>
</tr>
</tbody>
</table>
Chapter 8 Remote Control Operations

8.1 Remote Control (Type One)

8.1.1 Functions of Remote Control Keys

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

**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](image)

**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 ±45° 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

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>On/Off</td>
<td>Power On/Off</td>
</tr>
<tr>
<td>Back</td>
<td>Back</td>
<td>Back</td>
</tr>
<tr>
<td>Delete</td>
<td>Delete</td>
<td>Delete</td>
</tr>
<tr>
<td>Direction</td>
<td>/ / /</td>
<td>Direction</td>
</tr>
<tr>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>Mute</td>
<td>Mute</td>
<td>Mute</td>
</tr>
<tr>
<td>Decrease Volume</td>
<td>Decrease Volume</td>
<td>Decrease Volume</td>
</tr>
<tr>
<td>Increase Volume</td>
<td>Increase Volume</td>
<td>Increase Volume</td>
</tr>
</tbody>
</table>

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

![Figure 8-2 Long press Back and Delete key](image)

**Figure 8-2 Long press Back and Delete key**

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](image)

**Figure 8-4 Submit Verification Code**

---

**Note**

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

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