



LCD Monitor Management Software

# ***e-Signage S***

**OPERATION MANUAL**

**PN-SS21**

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# Introduction

Thank you for purchasing LCD Monitor Management Software (e-Signage S).

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## Points to note before using e-Signage S

- This product has undergone exacting quality control processes prior to shipment. In the unlikely event that a failure or malfunction occurs, contact your retailer.
- Please understand that SHARP CORPORATION bears no responsibility for errors made during use by the customer or a third party, nor for any other malfunctions or damage to this product arising during use, except where indemnity liability is recognized under law.
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## How to read this manual

### ■ Notation

- **Keyboard keys are indicated with square brackets.**

Example: [Shift], [Ctrl]

- **Menus, windows, dialog boxes, buttons, and tabs are indicated with square brackets.**

Example: **4** Click [Save changes].

Return to the [Power Options] dialog box.

- **Items, checkboxes, and option buttons are indicated with quotation marks.**

Example: "Coordinate-X", "Preset Screen Size" option button

- **This manual assumes that e-Signage S has been installed in the following folder.**

If you have installed the software in a different folder, substitute the other folder as necessary.

**C:\Program Files (x86)\SHARP\le-Signage** (default)

- **The screens and procedures in this manual are examples.**

These may vary depending on your monitor, screen settings, operating system, browser, and browser version.

The content files and fonts in this manual are examples. Not all of these are included with the software.

- **This manual does not contain instructions for basic use of Windows or Android.**

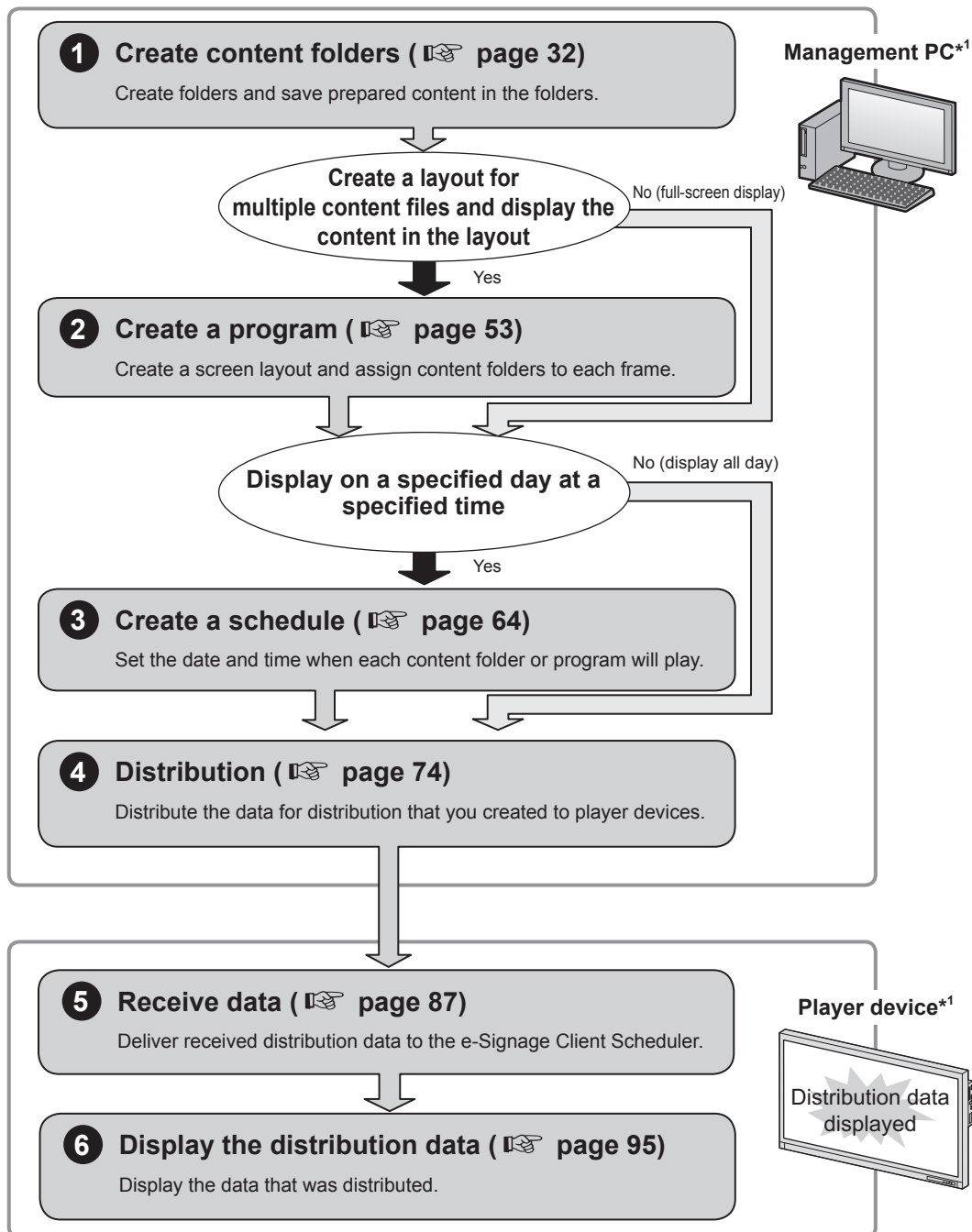
## Definitions

This chart provides definitions of terms used in this manual.

| Term              | Definition                                                                                                                                                        |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Management PC     | This is used to set the overall screen layout and order of playback of content, and to create and distribute playback schedules.                                  |
| Player device     | This is a device that plays content according to the distributed schedule.                                                                                        |
| Server software   | Software that is installed on the management PC.                                                                                                                  |
| Player software   | Software that is installed on a player device.                                                                                                                    |
| Content (files)   | Files such as videos, still images, and audio that are played.<br>These are usually prepared by the user.                                                         |
| Content folders   | Folders that contain content files. Panels, programs, and schedules can be assigned.                                                                              |
| Playlist          | A list of content files to be played.                                                                                                                             |
| Frame             | The screen can be divided into multiple sub-screens, each of which is called a frame.                                                                             |
| Program           | Programs consists of a frame layout and the content folder information assigned to each frame.                                                                    |
| Timetable         | This assigns content folders and programs to the time period each is to be played during one day.                                                                 |
| Schedule          | This assigns content folders and programs to the date each is to be played.                                                                                       |
| Panel             | Display (LCD monitor on which content data is displayed)                                                                                                          |
| Scroll message    | A message that scrolls on the screen.<br>Up to two scrolling messages can be displayed with this software.                                                        |
| Attached files    | A collective term for image and other files that are required when displaying files such as HTML files.                                                           |
| Assigning         | Specifying which files (schedules, etc.) are to be distributed to each panel.                                                                                     |
| Distribution      | Sending content data created on a management PC to player devices. In the SHARP e-Signage S Standalone Edition, the management PC and the player device are same. |
| Distribution data | Content data that is distributed to player devices.                                                                                                               |
| Tenant            | This is a group by which users, panels, schedules, and programs are managed.                                                                                      |

## Workflow through display of distribution data

This chart indicates the workflow from selection of content to be displayed through display of the content on player devices.



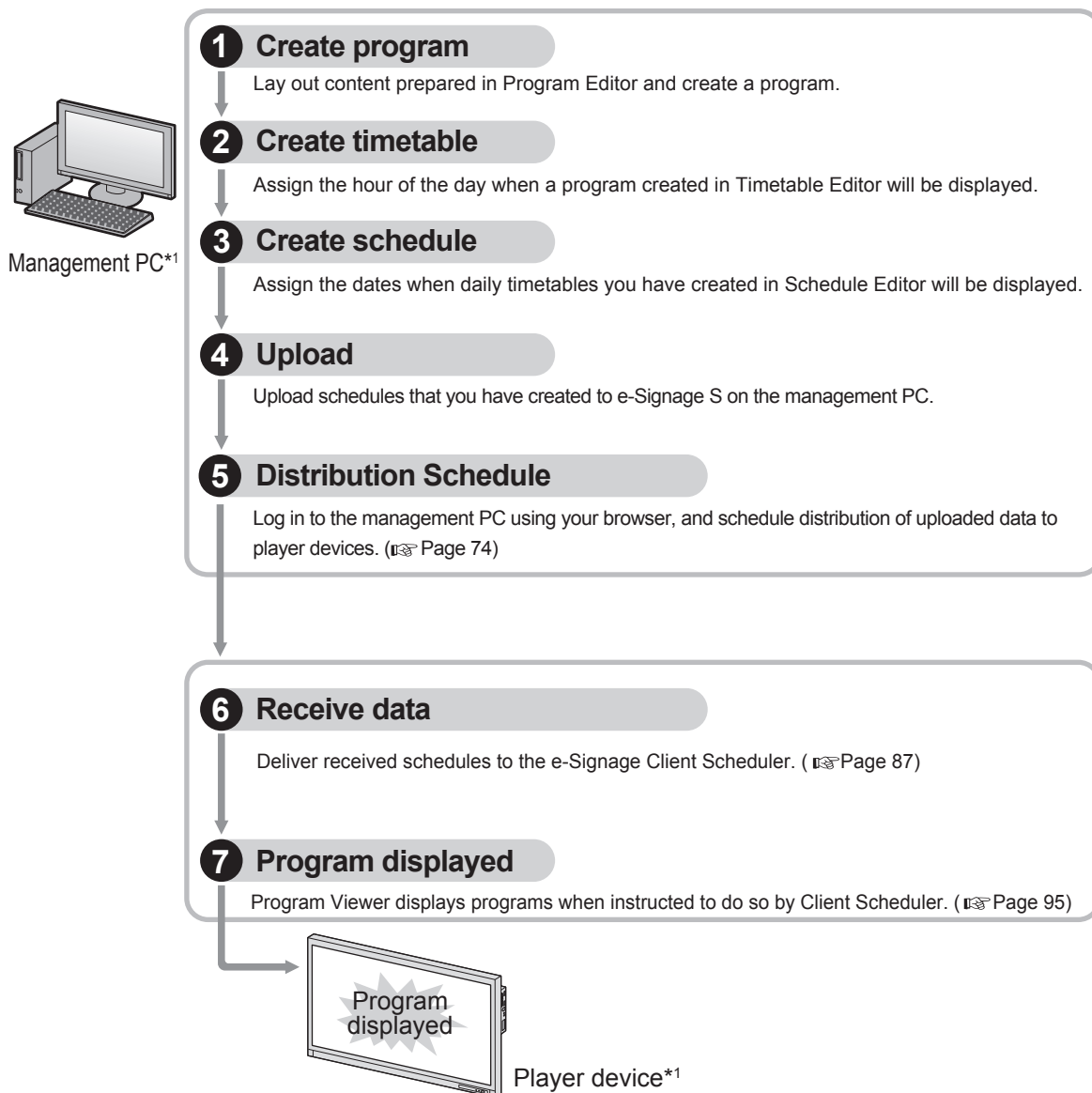
### TIPS

Client Scheduler manages program viewers so that received distribution data are played at the scheduled time.

\*1 In the SHARP e-Signage S Standalone Edition, the management PC and the player device are same.

## ■ Distribution using SDSS Launcher

The sequence of steps from program creation to display of programs on a panel is indicated below.  
For information on SDSS Launcher, see page 103.



### TIPS

Client Scheduler manages program viewers so that received schedules are played at the scheduled time.

\*1 In the SHARP e-Signage S Standalone Edition, the management PC and the player device are same.

## System operation precautions

### ■ Points to note when creating content and programs

Before operating the system, run a test using the actual content to be displayed on the panel. If the computer does not have sufficient processing power, content may not be played correctly.

- **Playing videos**

Playing multiple videos simultaneously is not recommended.

Windows Media Player generally places a heavier load on the CPU than Flash Player (although this depends on the content).

#### TIPS

- For some content, it may be necessary to install a codec or player software. For codecs and software that are not indicated as being operable on the installed operating system, test operation prior to introduction.

- **Flash content**

Take care when playing content that makes frequent use of image transparency processing (image fade-in/fade-out), as this may place an extremely heavy load on the CPU.

- **Enlarging/reducing still images and video**

As image size and display size increase, so does the load placed on the CPU. CPU load also increases when images are displayed at an enlarged or reduced size. Keep the size of the content display area (frame size) as small as possible. Content should be created using the same image size as the display size.

- **Still image slideshow**

Using slideshow for still images will increase the load on the CPU. Effects depend on the performance of the video card.

- **Scroll messages content**

Displaying scroll messages requires significant CPU processing power. When using scroll messages, programs should be tested by actually displaying them before operation.

- Making the background color transparent will increase the load.
- Scroll messages with a larger display area place a larger load on the computer. Do not make the scroll message display area unnecessarily large.
- If there are many characters in a scroll message line, the display may become distorted. In this event, start a new line. (Up to 100 characters per line is recommended.)

- **PowerPoint**

To display PowerPoint content, e-Signage S requires PowerPoint Viewer. Even if Microsoft PowerPoint is installed on your computer, PowerPoint Viewer must be installed separately. If the 64-bit version of Office is installed on your computer, you will not be able to install PowerPoint Viewer.

Set the PowerPoint file to play repeatedly, and use automatic slideshow.

PowerPoint Viewer is not able to display multiple files at the same time. Do not assign PowerPoint files to multiple frames in the same program.

When PowerPoint content is displayed, you cannot use a mouse or other tool to click other display frames.

It takes time for PowerPoint Viewer 2010 to start playback. Time is especially required to start the first playback after the computer is started. Be sure to allow time for startup in the overall playback time.

Although it is possible to play files with a .pptx or .ppsx extension using PowerPoint Viewer 2007, it will take time to start playback. It is recommended that files with a .ppt or .pps extension be used for playback on PowerPoint Viewer 2007.

### **Operation in a browser**

Do not use the [Back] key of your browser. This may cause the browser to stop operating normally. Do not select the "Prevent this page from creating additional dialogs" checkbox that appears in the browser. Confirmation screens may not appear, and some actions such as deleting may not be possible. If this is inadvertently selected and messages do not appear, restart your browser.

### **Continuous operation of player device**

Player devices are not designed for continuous 24-hour-a-day operation. Be sure to shut down and restart player devices every day. (Refer to [Power Control] tab on page 90 )

### **Continuous operation of management PC**

The management PC should be operated continuously no more than one week.

### **Computer internal clock**

The software executes schedules based on the computer's internal clock. You should ensure that your computer's internal clock is always accurate by such means as synchronizing it with an internet time server.

### **Accuracy of program display time**

Program display is controlled by a timer that starts at 0 seconds every minute. Programs can only be switched on the minute.

Note that there may be a delay before content is actually displayed. This depends on the time taken to launch applications that display content and the time taken to load content files.

### **Backup**

e-Signage S does not have a data backup function. Regularly back up the tenant data folder (under C:\ProgramData\SHARPe-Signage\GroupData\) according to the data update frequency during operation.

### **Daisy chain configuration**

e-Signage S cannot send different panel control commands (panel power ON/OFF and panel input source selection commands) to LCD Monitors (PN Series) connected in a daisy chain.

### **Still images**

Displaying a still image in the background or in a frame in the same position for a long time may leave a residual image on the monitor. When creating programs, change still images and layouts at set intervals or take other measures to avoid this problem.

## ■ e-Signage S Player A1 limitations

The following limitations apply to e-Signage S Player A1 (for Android player devices). Note these limitations before using this player.

| Function               | e-Signage S Player A1 limitations                 |                                                                                                                                                                                                                                                                                                                   |
|------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Content                | File types that cannot be used                    | The following file types cannot be used on e-Signage S Player A1. <ul style="list-style-type: none"> <li>• PowerPoint</li> <li>• Flash</li> <li>• Executable file</li> <li>• Video files in unsupported formats (☞ page 40)</li> <li>• Signage widget content file</li> <li>• Conditional content file</li> </ul> |
|                        | Screen size                                       | Maximum 1920 × 1080 or 1080 × 1920                                                                                                                                                                                                                                                                                |
|                        | Specification of player device path               | Cannot be used.                                                                                                                                                                                                                                                                                                   |
|                        | Screen division by PIP                            |                                                                                                                                                                                                                                                                                                                   |
|                        | Still image slideshow (Transition Direction)      | Usable slideshow effects are different on e-Signage S Player and e-Signage S Player A1.<br>On e-Signage S Player A1, the following slideshow effects can be used.<br>[Wipe / Expand / Slide / Fade / Round / Perspective / Pulse / Rotate / Transform / Random]                                                   |
|                        | Playing videos                                    | You cannot play multiple videos simultaneously.                                                                                                                                                                                                                                                                   |
| Distribution           | Storage required for distribution (player device) | (Size of distributed file) × 3 + 200 MB                                                                                                                                                                                                                                                                           |
|                        | Player device power ON/OFF                        | Cannot be used.                                                                                                                                                                                                                                                                                                   |
| Player device settings | Default FTP port number                           | 2121<br>If changed from the default setting, the port number must be set within the range 1024 to 32000.                                                                                                                                                                                                          |
|                        | Key/Mouse Linkup Tool                             | Not supported.                                                                                                                                                                                                                                                                                                    |
| Client Scheduler       |                                                   | Not included.<br>The Client Scheduler functions “View the Log”, “Pause to View Program”, “Delete Schedule Information”, and “Get data from management PC” cannot be used.                                                                                                                                         |

- After mounting or unmounting a USB memory (USB flash drive) or SD memory card, restart e-Signage S Player A1 before distributing data. Data distribution may fail if attempted without restarting.
- Only one USB memory or SD memory card can be used at a time.
- If you uninstall e-Signage S Player A1 from the player device, all settings and distributed data will be lost.
- e-Signage S recognizes content types by the file extension. Even if a content type is indicated as being usable, it may not play correctly due to an unsupported codec or other reason. Verify that video and audio files play correctly in advance.
- Scrolling messages may not scroll smoothly in some instances. Check operation before placing signage in operation.
- The screen may flicker when changing programs or adjusting the clock on a player device.
- If a large amount of data has been distributed, it may take time to change programs.
- Changing of played data will occur when the time on the player device reaches 12:00 AM. Even if the same data will be played, playback will restart from the beginning of the data at 12:00 AM.

# Installation

This chapter explains the system requirements and procedures for installing e-Signage S. Be sure to read this chapter before using the software.

## System requirements\*<sup>1</sup>

| Name                                     |                                 |                                                                 | SHARP e-Signage S Standalone Edition                                                                                          |  |
|------------------------------------------|---------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--|
|                                          |                                 |                                                                 | PN-SS21                                                                                                                       |  |
| Installed computer                       |                                 |                                                                 | Management PC / Player device                                                                                                 |  |
| Computer                                 | CPU                             |                                                                 | 1.6 GHz or higher                                                                                                             |  |
|                                          | Operating system * <sup>2</sup> | Microsoft Windows 7/8.1/10* <sup>3</sup>                        | ○                                                                                                                             |  |
|                                          |                                 | Microsoft Windows Server 2008 / 2008 R2 / 2012 / 2012 R2 / 2016 | ○                                                                                                                             |  |
|                                          | Memory                          |                                                                 | 2 GB or higher                                                                                                                |  |
|                                          | Hard disk                       |                                                                 | 500 MB or more of free space<br>(additional space required to save data)                                                      |  |
| Monitor (for management)* <sup>4</sup>   |                                 | Resolution                                                      | 1280 × 1024 dots or higher                                                                                                    |  |
|                                          |                                 | Number of colors                                                | Full color                                                                                                                    |  |
| Compatible browsers (operation window)   |                                 |                                                                 | Microsoft Internet Explorer 11 / Microsoft Edge / Google Chrome                                                               |  |
| Panel (for player device) * <sup>5</sup> |                                 |                                                                 | LCD Monitor (PN Series)                                                                                                       |  |
| Other software                           |                                 |                                                                 | Microsoft Internet Explorer / Microsoft PowerPoint Viewer / Microsoft Windows Media Player* <sup>6</sup> / Adobe Flash Player |  |

### Turn off user account control on the player device. \*<sup>7</sup>

\*<sup>1</sup> The minimum requirements for the operating system to operate must also be met. Some content may require performance greater than that indicated to play correctly.

\*<sup>2</sup> Applicable versions are the 32-bit version and 64-bit version.

\*<sup>3</sup> Use Windows 10 in desktop mode.

\*<sup>4</sup> The monitor of the computer used to create/edit programs and schedules.

\*<sup>5</sup> The player device can control the panel. To control the panel, the player device and the panel must be connected with an RS-232 cable, or the panel must be connected to the LAN.

For the specifications of the panel and procedures for connection and settings, see the panel's operation manual.

\*<sup>6</sup> Some content may require installation of a codec or player software. For codecs and software that are not indicated as being operable on the installed operating system, test operation prior to introduction.

\*<sup>7</sup> How to turn off user account control on the player device.

#### In Windows 7

- (1) Select "User Accounts and Family Safety" in Control Panel.
- (2) Select "User Accounts".
- (3) Select "Change User Account Control settings".
- (4) Move the slider to the bottom.

#### In Windows 8.1/10

##### (Caution)

**Note that when this setting is selected, the Windows Store application will not run.**

After you install e-Signage S Player, you can turn off user account control from Client Scheduler.

- (1) Right-click the e-Signage Client Scheduler icon, and click [Setting] in the pop-up menu to display the [Setting of Client Scheduler] dialog box.
- (2) Click the [UAC Settings] tab and click [Turn off User Account Control].
- (3) A confirmation message will appear. Click [OK].
- (4) The [User Account Control] dialog box will appear. Click [Yes].
- (5) A message indicating that the user account control has been disabled will appear. Click [OK] to restart the computer.

**TIPS**

- Flash Player, Windows Media Player and PowerPoint Viewer must be installed on player device.
- If a message prompting you to install a program appears because the program is not installed or the wrong version is installed, download and install the program from an appropriate website.
- For some content, it may be necessary to install a codec or player software. For codecs and software whose operation has not been demonstrated on the installed operating system, check operation prior to installation.

---

## Installing e-Signage S

- You must log in as an administrator to install the software.

- 1 Start your computer.**
- 2 Exit all applications.**
- 3 Launch the e-Signage S setup program (Setup.exe).**
  - Double-click Setup.exe to launch the setup program.
  - If a security warning ("The publisher could not be verified.") appears during the installation, click [Run].  
If the [User Account Control] window appears, click "Yes".
- 4 In the [Welcome to the InstallShield wizard...] window, click [Next].**
- 5 The software license agreement will appear.**

Read the entire software license agreement.
- 6 If you agree to the terms of the agreement, select the "I accept the terms of the license agreement" option button, and click [Next].**
- 7 Follow the instructions on the screen to complete the installation.**
- 8 If a dialog box prompting you to restart appears after installation is finished, click [Yes].**

## ■ Settings after installation

Double-click the e-Signage S shortcut icon on the desktop. The server settings window appears. (🔗 Page 23)

## ■ Configuring player device settings

Once the installation is complete, change the settings of the player device before using e-Signage S.

### Auto login settings

If the player device is to be used without an operator, enable Windows auto login.

- 1** From the Windows Taskbar, click [Start] - [All Programs] - [Accessories] - [Command Prompt].  
In Windows 8.1 or 10, press the [Windows] key and [X] key at the same time, and click [Command Prompt] in the context menu.  
The [Command Prompt] window will appear.
- 2** Type in “control userpasswords2” (without the quotation marks) and press the [Enter] key.
- 3** If the [User Account Control] window appears, click [Continue].  
The [User Accounts] dialog box will appear.
- 4** Clear the “Users must enter a user name and password to use this computer.” checkbox.
- 5** Click [OK].
- 6** In the [Automatically Log On] window, enter the “User Name” and “Password”, and click [OK].
- 7** Type in “exit” and press the [Enter] key.

### Screen saver settings

Disable the screen saver so that it does not appear on the panel when distributed content is played.

- **In Windows 7 or 8.1**

- 1** Right-click on an empty area of the desktop, and select **[Personalize] - [Screen Saver]** from the menu that appears.

The [Screen Saver Settings] dialog box will appear.

- 2** Select **“(None)”** from the **“Screen saver”** list.

- 3** Click **[OK]**.

- **In Windows 10**

- 1** Right-click on an empty area of the desktop, and select **[Personalize] - [Lock screen] - [Screen Saver]** from the menu that appears.

The [Screen Saver Settings] dialog box will appear.

- 2** Select **“(None)”** from the **“Screen saver”** list.

- 3** Click **[OK]**.

## Power Management

Adjust settings so that the panel and hard disk do not turn off or enter system standby while distributed content is playing.

- In Windows 7

- 1** From the Windows taskbar, select [Start] - [Control Panel] - [System and Security] - [Power Options].  
The [Power Options] dialog box will appear.
- 2** Click “Show additional plans”, select “High performance”, and click [Change plan settings].
- 3** Select “Never” from the “Turn off the display” and “Put the computer to sleep” pull-down menus.
- 4** Click [Save changes].  
Return to the [Power Options] dialog box.
- 5** Close the [Power Options] dialog box by clicking the  button in the upper right corner of the window.

- In Windows 8.1

- 1** Press the [Windows] key and [C] key at the same time, and click [Settings] - [Control Panel] - [System and Security] - [Power Options].  
The [Power Options] dialog box will appear.
- 2** Select “High performance” and click [Change plan settings].
- 3** Select “Never” from the “Turn off the display” and “Put the computer to sleep” pull-down menus.
- 4** Click [Save changes].  
Return to the [Power Options] dialog box.
- 5** Close the [Power Options] dialog box by clicking the  button in the upper right corner of the window.

- In Windows 10

- 1** Press the [Windows] key and [X] key at the same time, and then select [Control Panel] - [System and Security] - [Power Options] from the context menu.  
The [Power Options] dialog box will appear.
- 2** Click “Show additional plans”, select “High performance”, and click [Change plan settings].
- 3** Select “Never” from the “Turn off the display” and “Put the computer to sleep” pull-down menus.
- 4** Click [Save changes].  
Return to the [Power Options] dialog box.
- 5** Close the [Power Options] dialog box by clicking the  button in the upper right corner of the window.

### IME toolbar settings

Move the IME toolbar into the taskbar so that it does not appear when distributed content is being played.

- 1 **Right-click on the IME toolbar and click [Minimize] in the menu that appears.**  
Or click .



### Notification settings (Windows 10 only)

Adjust the settings so that notifications from applications are not displayed when distributed content is being played.

- 1 **Press the [Windows] key and [A] key at the same time, and enable “Quiet hours” in ACTION CENTER.**

### Windows Update settings

Set Windows Update so that it does not update automatically and display popup messages (dialog boxes, etc.) while distributed content is being played.

#### TIPS

If you have disabled automatic updates, be sure to check the Windows Update website (<http://windowsupdate.microsoft.com/>) regularly and download and install updates manually. Not installing the latest updates is a security risk and may also lead to performance related issues.

#### • In Windows 7 / 8.1

- 1 **Windows 7: From the Windows Taskbar, click [Start] - [Control Panel] - [System and Security] - [Turn automatic updating on or off].**  
**Windows 8.1: Press the [Windows] key and [C] key at the same time, and click [Settings] - [Control Panel] - [System and Security] - [Turn automatic updating on or off].**

The [Change settings] dialog box will appear.

- 2 **Select “Never check for updates (not recommended)” from the “Important updates” menu.**

- 3 **Click [OK].**

- 4 **If the [User Account Control] window appears, click “Yes”.**

The [Change settings] dialog box will close.

- In Windows 10

- 1** Press the [Windows] key and [X] key at the same time, and click [Command Prompt] in the context menu.
- 2** Type in “gpedit.msc” and press [Enter].
- 3** If the [User Account Control] window appears, click [Continue].
- 4** In the tree on the left side of the [Local Group Policy Editor], click [Computer Configuration] - [Administrative Templates] - [Windows Components] - [Windows Update].
- 5** Double-click [Configure Automatic Updates] on the right side of the [Local Group Policy Editor].  
The [Configure Automatic Updates] dialog box will appear.
- 6** Select the “Disabled” option button and click [OK].
- 7** Click the ✕ button in the upper right corner to close the [Local Group Policy Editor] dialog box.
- 8** Type “gpupdate” at the [Command Prompt] and press the [Enter] key.
- 9** Make sure that the messages “User Policy update has completed successfully.” and “Computer Policy update has completed successfully.” appear, and then click the ✕ button in the upper right corner to close the [Command Prompt] dialog box.

**TIPS**

In Windows 10 Home Edition, Windows Update cannot be disabled.

**Resident application settings**

Adjust the settings of resident applications so that they do not display popup messages (dialog boxes, etc.) while programs are playing.

---

## Uninstalling e-Signage S

- Uninstalling the server software will not delete any tenants or users that have been created or data that was uploaded to the server. After you reinstall the server software, you will be able to use the data again.

**1 Start your computer.**

**2 Exit all applications.**

**3 Launch the e-Signage S setup program (Setup.exe).**

- Double-click Setup.exe to launch the setup program.
- If a security warning ("The publisher could not be verified.") appears during the installation, click [Run].

If the [User Account Control] window appears, click "Yes".

**4 Select the "Remove" option button and click [Next].**

**5 Click [Yes].**

Uninstallation will start.

### TIPS

If Distribution Scheduler, Client Scheduler, or HTTP Server is already running, a message will appear. In this case, click [Yes]. Distribution Scheduler, Client Scheduler, or HTTP Server will be forcibly terminated and uninstallation will continue.

**6 Click [Finish].**

This completes uninstallation.

# Server Settings

After installing e-Signage S, configure the server settings. The settings that must configured depend on the software you installed.

## WEB Server Settings (Initial Setup Wizard)

### 1 Double-click the e-Signage S shortcut icon on Desktop.

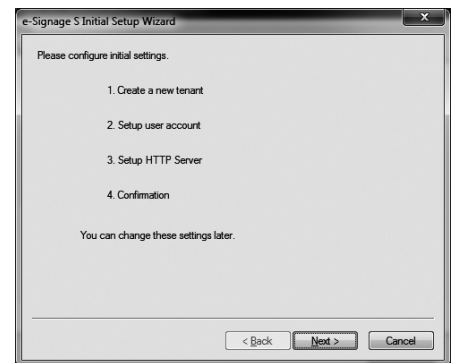
Configuration Tool will launch. When launching the tool for the first time, follow the instructions in the setup wizard to configure the WEB server.

From the taskbar, click [Start] - [All Programs] - [SHARP e-Signage S] - [Server Management Tool].

#### TIPS

- After initial setup has been completed, the dashboard screen (  page 30) will appear when you click the e-Signage S shortcut icon.

### 2 Click [Next].



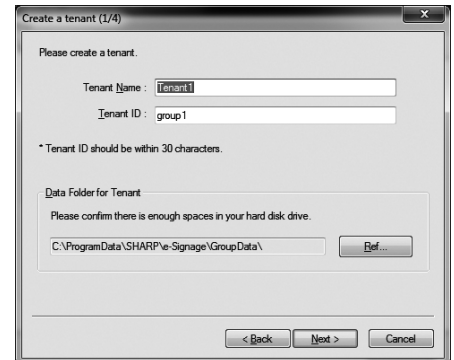
### 3 Create a tenant.

Create a tenant that will be used to manage users, panels and schedule data. Enter a tenant name and tenant ID (up to 30 alphanumeric characters).

#### “Data Folder for Tenant”

This folder contains the user, panel and schedule data. To use a different folder, click [Ref] and specify the folder.

When you have finished entering, click [Next].



## 4 Register an initial user.

Register user information for server login.  
Enter a user name, login ID (up to 30 alphanumeric characters) and password (up to 30 alphanumeric characters).  
To skip the login screen when starting, select the “Skip the login screen for local operation” checkbox.

**When you have finished entering, click [Next].**

## 5 Configure HTTP Server setting.

Set the port number.

**When you have completed the settings, click [Next].**

## 6 Review the settings.

The settings are shown in the window. To finalize the settings, click [Finish]. To make changes, click [Back].  
If you need to make changes after finalizing the settings, you can use Server Management Tool.

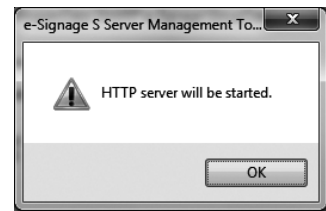
**After checking the settings, click [Finish].**

The e-Signage S Server Management Tool window will appear.

## 7 Click [Yes].

**8****Click [OK].**

HTTP Server will launch.



### WEB Server Settings

- 1 From the Windows taskbar of the management PC, click [Start] - [All Programs] - [SHARP e-Signage S] - [Server Management Tool].

Configuration Tool will launch and e-Signage S Server Management Tool window will appear.

- 2 Click the “HTTP Server” tab of the Server Management Tool window.

- 3 Check the “Start HTTP Server Automatically” checkbox.

HTTP Server will automatically launch when the management PC is started.

- 4 Enter a port number in “HTTP Settings”.

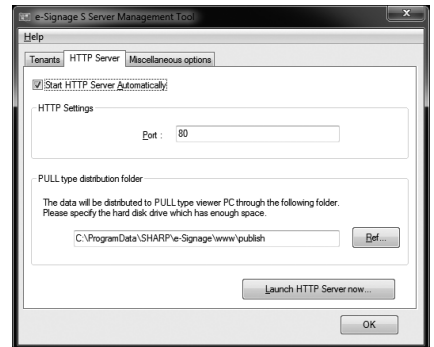
80 is set by default.

- 5 Click [Ref] in “PULL type distribution folder” and specify a folder.

Set the folder that will be used to store the distribution data for PULL type distribution.

- 6 Click [Launch HTTP Server now].

HTTP Server will launch.



#### TIPS

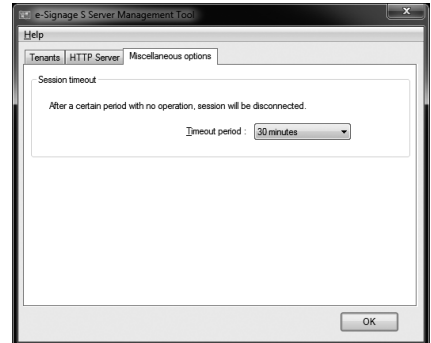
Server programs of the WEB Server will run as user processes and cannot be run as services. Log in to Windows using a user account with administrator privileges, and use WEB Server programs (HTTP Server and Distribution Scheduler) that launch from startup.

## ■ Setting the automatic logout time

Set the time after which automatic logout takes place if no actions are performed after logging in.

The default setting is 30 minutes.

- 1** Click the “Miscellaneous options” tab in the Server Management Tool window.
- 2** Select a timeout time from the pull-down menu.  
If you do not want to be logged out automatically, select “(none)”.
- 3** Click [OK].



## ■ Distribution Scheduler

Distribution Scheduler is a tool for managing e-Signage communication. Distribution Scheduler will launch automatically from “Startup” when you log in to Windows.

When Distribution Scheduler launches, an icon (  ) is displayed (and resides permanently) in the Task Tray. Do not exit Distribution Scheduler unnecessarily.

**Logging in**

# Logging In

## Logging in to WEB Server

### **1** Double-click the e-Signage S shortcut icon on Desktop.

If a tenant has not been created, the server settings open. (🔍 Page 23)

#### **TIPS**

- For Internet Explorer installed on Windows Server 2008 / 2008 R2 / 2012 / 2012 R2 / 2016, functions such as page redirection are restricted to increase security.
- If WEB Server does not operate, add the URL for WEB Server (http://(IP address of the server:Port number)/) to "Trusted Sites". This can be accessed by clicking "Internet Options" - "Security" in Internet Explorer.

## Description of the screen

### ■ Toolbar



#### (1) Home button

Use this to return to Dashboard from other screens.

#### (2) Function selection button

You can select and display functions.

#### (3) User

Shows the currently logged in user.  
You can change the password.

#### (4) Logout button

Click to log out from the server.  
This will not appear if the login screen is skipped. (🔗 Page 24)

### ■ Dashboard



#### (5) Function buttons

| Tab                       | Description                                                                                                                                                       | Page                                                                                    |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Content Folder Management | Create and manage content folders and lists of content (video/ images, audio, scroll messages) stored in content folders.                                         | 🔗 31                                                                                    |
| Program Management        | Create and manage programs that display content in an arranged layout.                                                                                            | 🔗 52                                                                                    |
| Schedule Management       | Create and manage content folders and program playback schedules.                                                                                                 | 🔗 63                                                                                    |
| Distribution              | Distribute content folders, programs, and schedules.<br>You can check distribution schedules and distribution statuses.<br>Click  to display the following menus. | 🔗 73                                                                                    |
|                           | USB memory / SD Card Distribution                                                                                                                                 | You can use USB memory (USB flash drive) or an SD memory card for distribution.<br>🔗 81 |
| System Log                | View logged operation and distribution information.                                                                                                               | 🔗 82                                                                                    |

#### (6) Show data usage button

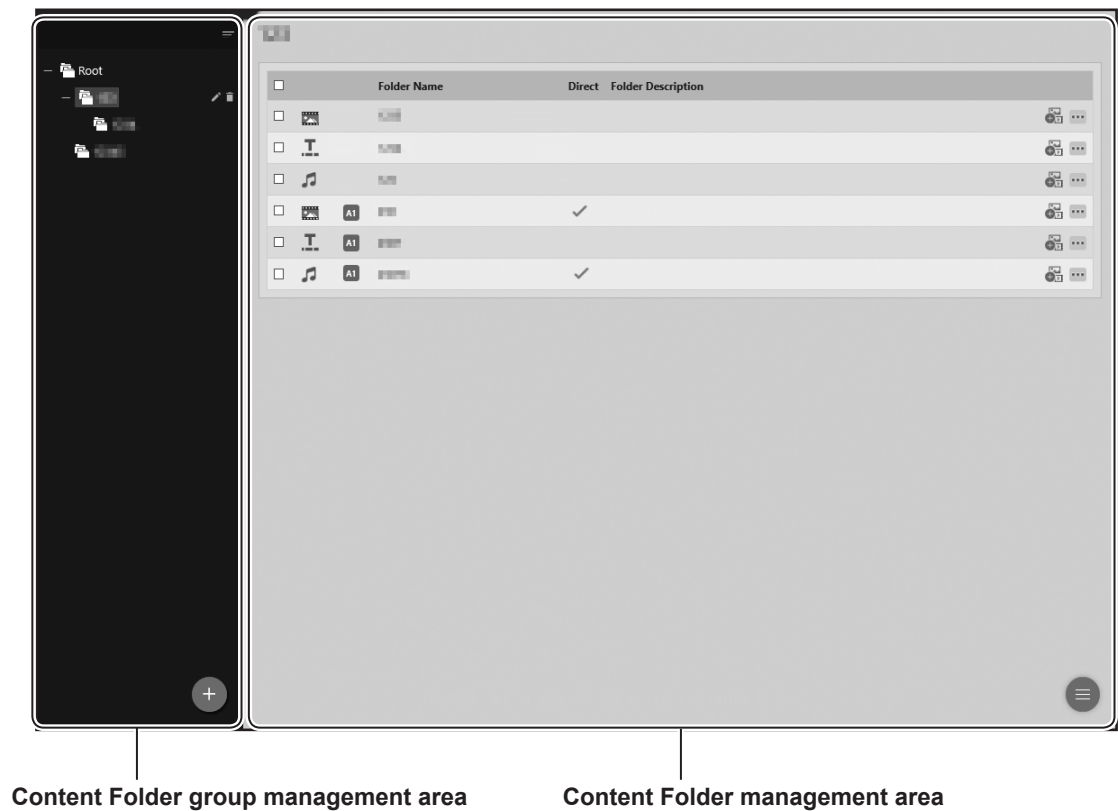
Show e-Signage S data usage.

# Content

# Content Folder Management

## Main window

Content to be played is managed using folders (content folder).  
When you click a content folder group in the content folder group management area, the content folders in that group appear in the content folder management area.



## Managing content folder groups

### ■ Content folder group management area



**(1) Less button**

Click to show less of the menu.

**(2) Edit button**

Edit the information saved in a content folder group.

**(3) Delete button**

Delete a content folder group.

**(4) Add button**

Add a content folder group.

■ **Creating a content folder group**

- 1
- Click  in the content folder group management area.

The Create Content Folder Group window will appear.

- 2
- Enter each item.

Add Folder Group

Folder Group Name

Parent Group

Root

Add

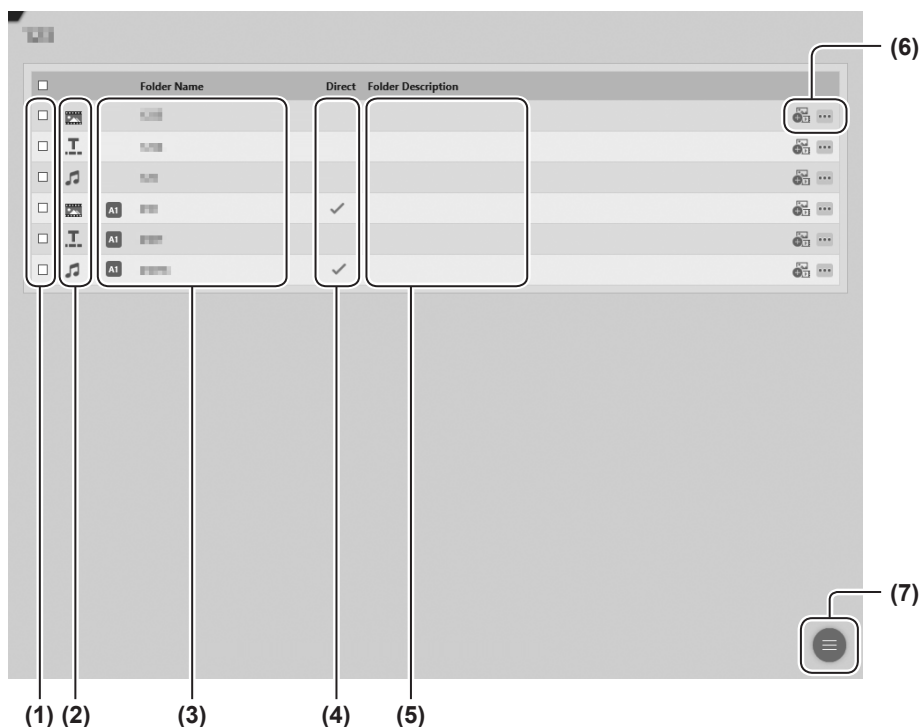
Cancel

| Menu option                  | Explanation                                    |
|------------------------------|------------------------------------------------|
| Folder Group Name (required) | Name of the group.                             |
| Parent Group (required)      | Set the folders that will belong to the group. |

- 3
- Click [Add].

# Managing content folders

## ■ Content folder management area



### (1) Checkbox

Use to delete multiple content folders.

### (2) Content folder type icon

Indicates the content folder type.

### (3) Folder Name

Indicates the content folder name.

**A1** appears next to the folder names of Player A1 files.

### (4) Direct

A checkmark appears when “Direct Mode” is selected for the folder mode.

### (5) Folder Description

Shows the detailed information entered when the content folder was created.

### (6)

Click to add content to a content folder, or delete content.

Click  to display the following buttons.

 (Property Settings button)

 (Delete button)

 (Preview button)\*<sup>1,2,3</sup>

 (Open Windows Folder button)\*<sup>1,4</sup>

\*1 Only on the management PC.

\*2 Exit the preview with the [Esc] key.

\*3 When previewing Player A1 data on the computer, there may be some differences from actual playback. Some video files and audio files cannot be previewed.

\*4 Only when the folder mode is “Direct Mode”.

### (7) Menu button

Use to add a content folder.

When this is selected with multiple checkboxes selected, the Delete menu will appear.

# Creating content folders

## Basic flow for creating a content folder

### (1) Create a content folder. (🔗 See below)

Specify the content folder type based on the player software and type of content to be played.

### (2) Upload the content files to the content folder you created. (🔗 Page 38)

Assigned to use the content folder with the following functions.

- Distribution (🔗 page 74)
- Program management (🔗 page 53)
- Schedule management (🔗 page 64)

## Creating a content folder

Create content folders to manage content.

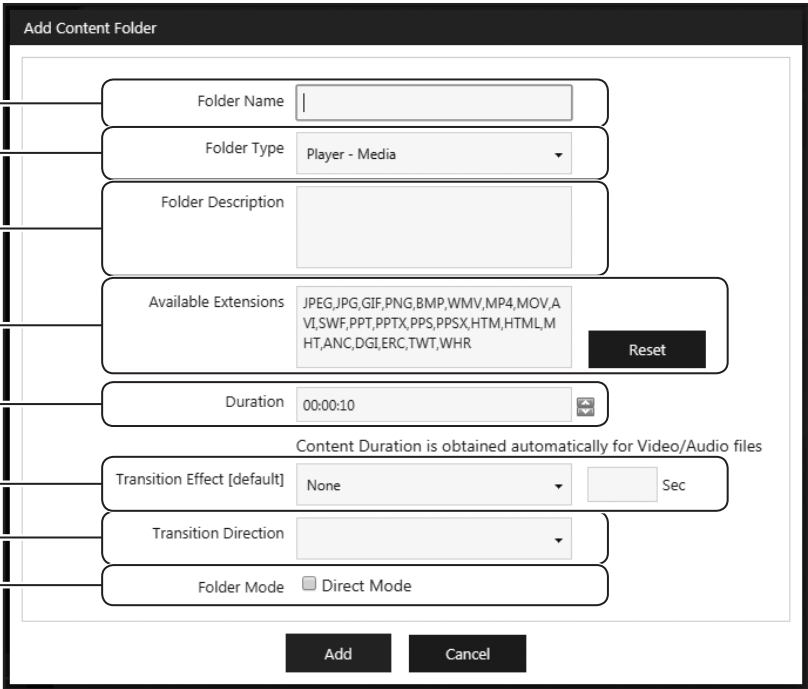
### 1 Select the content folder group to which you want to add a content folder.

### 2 Click in the content folder management area.

### 3 Click [Add].

The Add Content Folder window will appear.

### 4 Specify the items.



The screenshot shows the 'Add Content Folder' dialog box with the following fields and callouts:

- (1) Folder Name: Text input field.
- (2) Folder Type: Dropdown menu showing 'Player - Media'.
- (3) Folder Description: Text input field.
- (4) Available Extensions: Text area listing supported file formats (JPEG, JPG, GIF, PNG, BMP, WMV, MP4, MOV, AVI, SWF, PPT, PPTX, PPS, PPSX, HTM, HTML, MHT, ANC, DGLERC, TWT, WHR) and a 'Reset' button.
- (5) Duration: Time input field showing '00:00:10'.
- (6) Transition Effect [default]: Dropdown menu showing 'None' and a 'Sec' input field.
- (7) Transition Direction: Dropdown menu.
- (8) Folder Mode: Checkbox labeled 'Direct Mode'.

At the bottom of the dialog are 'Add' and 'Cancel' buttons.

\* Example of "Player - Media" window.

| Menu option |                      | Explanation                                                                                                                                                                                                                          |
|-------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)         | Folder Name          | Enter the content folder name.                                                                                                                                                                                                       |
| (2)         | Folder Type          | Select the content folder type based on the player software to which the content will be distributed and the combination of content.                                                                                                 |
|             |                      | Media<br>You can assign this to the background frame / frames 1 to 4 when creating a program, and by schedule or distribution. (  Pages 60, 70, 78) |
|             |                      | Scroll Message<br>You can assign a scroll message to the message frame when creating a program. (  Page 60)                                         |
|             |                      | Audio<br>You can assign this to the audio frame when creating a program. (  Page 60)                                                                |
| (3)         | Folder Description   | You can enter a description.                                                                                                                                                                                                         |
| (4)         | Available Extensions | Enter the file extensions of content that can be uploaded to the content folder.<br>An extension cannot be entered when the content is a scroll message. To reset to the default settings, click "Reset".                            |
| (5)         | Duration             | Enter the default playback duration that is set when content is added.                                                                                                                                                               |
| (6)         | Transition Effect    | Select the default transition effect for still image content.<br>Also set the time that the transition effect is applied.<br>* "Media" only                                                                                          |
| (7)         | Transition Direction | Select the default transition direction for still image content.<br>Some transition effects do not have a transition direction setting or have varying types.<br>* "Media" only                                                      |
| (8)         | Folder Mode          | To directly manage content folder content using the Explorer window, select the "Direct Mode" checkbox.<br>* When "Direct Mode" is selected, content cannot be edited from the Content Folder Management window.                     |

## 5 Click [Add].

### TIPS

- An added content folder cannot be copied.  
In addition, the folder name and folder type cannot be changed.  
Add a content folder again.

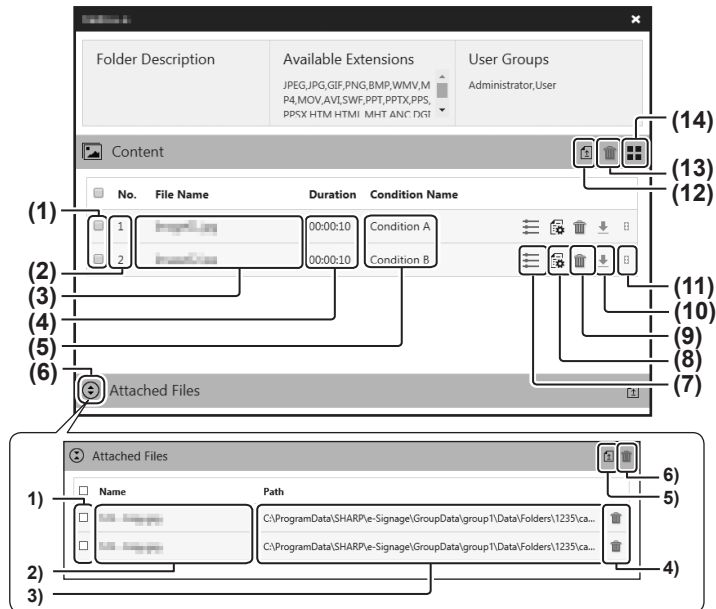
## Editing a content file in a content folder

Upload content files to a content folder you added, and create a playlist.

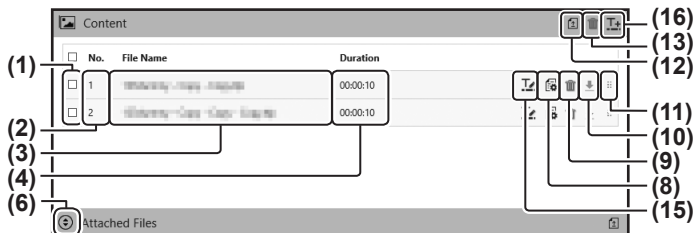
To edit a content file in a content folder, click  in the content folder management area.

### ■ Edit Content File window

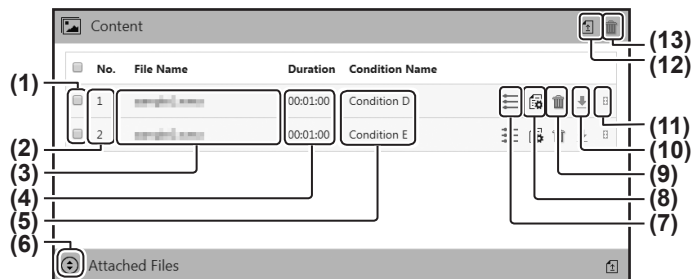
#### “Media” folder



#### “Scroll Message” folder



#### “Audio” folder



| Menu option    | Explanation                               |
|----------------|-------------------------------------------|
| (1) Checkboxes | Use to delete multiple files.             |
| (2) No.        | Shows the number of each file.            |
| (3) File Name  | Shows the filename of each file.          |
| (4) Duration   | Shows the playback duration of each file. |

| Menu option |                               | Explanation                                                                                                                                                                                                                                                                                                                                                                              |
|-------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (5)         | Condition Name                | Shows the name of the playback conditions.<br>* "Media" and "Audio" folder only                                                                                                                                                                                                                                                                                                          |
| (6)         | View toggle button            | Shows details on attached files.                                                                                                                                                                                                                                                                                                                                                         |
|             | 1) Checkboxes                 | Use to delete multiple attached files.                                                                                                                                                                                                                                                                                                                                                   |
|             | 2) Name                       | Shows the filename of the attached file.                                                                                                                                                                                                                                                                                                                                                 |
|             | 3) Path                       | Shows the path of the attached file.<br><b>TIPS</b> <ul style="list-style-type: none"><li>• When using HTML content, always place the images, video, and other files used internally in HTML in the same Windows folder as the HTML file, or in a sub-folder of that folder.</li><li>• Make sure that all attached files are defined by their relative paths in the HTML file.</li></ul> |
|             |                               |                                                                                                                                                                                                                                                                                                                                                                                          |
|             |                               |                                                                                                                                                                                                                                                                                                                                                                                          |
|             | 4) Delete button              | Delete an attached file.                                                                                                                                                                                                                                                                                                                                                                 |
|             | 5) Upload button              | Upload attachment files to a specified content folder.                                                                                                                                                                                                                                                                                                                                   |
|             | 6) Delete All button          | Delete multiple attached files.                                                                                                                                                                                                                                                                                                                                                          |
| (7)         | Play Condition Setting button | Set playback conditions. (🔍 Page 50)<br>* "Media" and "Audio" folder only                                                                                                                                                                                                                                                                                                                |
| (8)         | Edit button                   | Edit the properties of the content.<br>* Only when the folder mode is not set to "Direct Mode".                                                                                                                                                                                                                                                                                          |
| (9)         | Delete button                 | Delete a file.                                                                                                                                                                                                                                                                                                                                                                           |
| (10)        | Download button               | Download a file. (🔍 Page 49)                                                                                                                                                                                                                                                                                                                                                             |
| (11)        | Sort button                   | Drag to change the file playback order.<br>* Only when the folder mode is not set to "Direct Mode".                                                                                                                                                                                                                                                                                      |
| (12)        | Upload button                 | Upload a file. (🔍 Pages 41, 48)<br>* This does not appear when the folder type is "Player A1 - Scroll Message".                                                                                                                                                                                                                                                                          |
| (13)        | Delete All button             | Delete multiple files.                                                                                                                                                                                                                                                                                                                                                                   |
| (14)        | View toggle button            | Switch the file view between thumbnails and list.<br>In thumbnail view, the Select All button  appears.<br>* "Media" folder only                                                                                                                                                                      |
| (15)        | Scroll Message Setting button | Edit the content of scroll messages.<br>* "Scroll Message" folder only                                                                                                                                                                                                                                                                                                                   |
| (16)        | Create Scroll Message button  | Create a scroll message. (🔍 Page 45)<br>* "Scroll Message" folder only                                                                                                                                                                                                                                                                                                                   |

## ■ Files that can be saved in content folders

File types that can be used as content are as follows:

### e-Signage S Player content folders

| Folder Type    | File type                                                                                                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Media          | MPEG, MPEG1, MPEG2, WMV (Windows Media Video (types playable in Windows Media Player)), Flash (types playable in Flash Player), MOV, MPEG4 (types playable in Windows Media Player), PowerPoint, HTML, JPEG, BMP, GIF, PNG, executable files (.exe) |
| Scroll message | Scroll messages created in Scroll Message Editor                                                                                                                                                                                                    |
| Audio          | WAVE, MP3, AU, AIFF, WMA (Windows Media Audio (types playable in Windows Media Player)), MOV, MPEG4 (types playable in Windows Media Player), MIDI                                                                                                  |

### e-Signage S Player A1 content folders

| Folder Type    | File type                                               |
|----------------|---------------------------------------------------------|
| Media          | MPEG2, MPEG4, WMV, WEBM, HTML, JPEG, BMP, GIF, PNG      |
| Scroll message | Scroll messages created in Scroll Message Editor (.tlp) |
| Audio          | WAVE, MP3, WMA, MPEG4                                   |

#### TIPS

- Audio files are assigned to the audio frame. Audio files are used as audio or music (background music) that plays while a program is played.
- Windows player devices require a codec to play mpeg files.

Content files are recognized by their file extensions.

On Windows player devices, some file types require the installation of associated software.

| File extension            | Content type    | Required software                        |
|---------------------------|-----------------|------------------------------------------|
| .avi .mpeg .mpg .wmv .asf | Video           | Windows Media Player                     |
| .mov .mp4                 |                 |                                          |
| .swf                      | Flash           | Flash Player                             |
| .ppt .pps .pptx .ppsx     | PowerPoint      | PowerPoint Viewer                        |
| .htm .html                | HTML            | Internet Explorer, e-Signage WEB browser |
| .tlp                      | Scroll message  | None                                     |
| .wav .mp3 .au .aif .aiff  | Sound           | Windows Media Player                     |
| .wma .mid .midi           |                 |                                          |
| .mov .mp4                 |                 |                                          |
| .exe                      | Executable file | None                                     |
| .jpeg .jpg .gif .png .bmp | Still image     | None                                     |

For codecs and software whose operation has not been demonstrated on the installed operating system, check operation prior to installation.

#### TIPS

- JPEG files support RGB. CMYK is not supported.  
JPEG 2000 is not supported.
- Animation GIF is not supported.
- Two or more PowerPoint files cannot be displayed at the same time.
- The following actions are not supported in PowerPoint content.  
Execution of macros, execution of programs, display of link objects, display of embedded objects
- If too many animations are used in PowerPoint content, displayed characters may become illegible.
- The font used in the content must also be installed on the player device.
- HTML files and web pages cannot be enlarged or reduced.
- The playback volume can be adjusted for video and audio. Volume adjustment is not supported in Flash and PowerPoint.

## Uploading content files

Upload files to the content folder you created.

- “Media” folder (👉 See below)
- “Scroll Message” folder (👉 pages 45, 48)
- “Audio” folder (👉 page 48)

### ■ Uploading files to the “Media” folder

- 1 Click  in the Edit Content File window.

The Add Content Folder window will appear.

- 2 Specify the items.

“Content” tab



Properties Of Content File

(1) Content URL Player Path

(2) Select File  Browse...

(3) Duration 00:00:10   
Obtain duration automatically ☐

(4) Background

(5) Use Transparent ☐

(6) Layout  
☒ Keeping aspect ratio ☐ Temporarily, move frame   
☐ Not keeping aspect ratio  
☐ In original size

(7) Picture Transition  
Effect None   Sec  
Direction   
Via background ☐

Add Cancel

“URL” tab

Properties Of Content File

(1) Content URL Player Path

(2) URL

(3) Duration 00:00:10

(4) Background

(5) Use Transparent

(6) Layout  
☐ Temporarily, move frame Position Setting

(8) HTML content settings  
☒ Show the HTML content in Internet Explorer  
☐ Show the HTML content in e-Signage WEB browser

Add Cancel

“Player Path” tab (Player only)

Properties Of Content File

(1) Content URL Player Path

(2) File Path on Player's PC

Parameters

(3) Duration 00:00:10

(4) Background

(5) Use Transparent

(6) Layout  
☐ Temporarily, move frame Position Setting

Add Cancel

| Menu option |           | Explanation                                 |                                                                                             |
|-------------|-----------|---------------------------------------------|---------------------------------------------------------------------------------------------|
| (1)         | File type | Select the type of file you want to upload. |                                                                                             |
|             |           | Content                                     | Select to upload content such as an image file or video.                                    |
|             |           | URL                                         | Select to display a specified URL as content.                                               |
|             |           | Player Path                                 | Select to show content files and executable files (.exe) that have been sent to the player. |

| Menu option                                                                        |                               | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| (2)                                                                                | Select File                   | Select the file you want to upload.<br>* "Content" tab only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|                                                                                    | URL                           | Enter the URL of the HTML you want to show.<br>* "URL" tab only<br>Enter a URL that can be accessed by the player device.<br><div><b>TIPS</b></div> <ul style="list-style-type: none"><li>• Use discretion, as websites are copyrighted.</li><li>• If the page you want to display contains errors, it will not display correctly.</li><li>• If the page you want to display requires a plug-in, the player device must have the plug-in installed.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|                                                                                    | File Path on Player's device  | Specify the path of the executable file to be displayed.<br>* "Player Path" tab only<br>You can specify an EXE file. Enter a path that can be referenced by the player device. For an EXE file, "Parameters" can be added.<br><div><b>TIPS</b></div> <ul style="list-style-type: none"><li>• When displaying large content files that are not frequently updated, you can save the files on the player device in advance and then only send the paths to the files. This will help reduce the time it takes to send program content.</li><li>• Specify the absolute path of the player device, or the relative path from the My Contents folder (  page 88).</li><li>• When specifying an executable (.exe) file, you can use the following parameters.<br/>    %L: X coordinate of top left corner of frame<br/>    %T : Y coordinate of top left corner of frame<br/>    %W : Width of frame<br/>    %H : Height of frame</li><li>• This software only launches or ends specified executable files at a specified time. The software does not guarantee the actions of any executable files it launches.</li><li>• The specifications of some executed programs may prevent the programs from launching or ending correctly, or displaying windows in the correct position.</li></ul> |  |
| (3)                                                                                | Duration                      | Set the playback duration.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
|                                                                                    | Obtain duration automatically | In the case of video files, the playback duration is obtained automatically.<br>* "Content" tab only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| The following settings can be specified when the folder mode is not "Direct Mode". |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| (4)                                                                                | Background                    | Select the background color.<br>The background can be filled in using a specified color.<br>Click the color swatch to display the dialog box and change the background color.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| (5)                                                                                | Use Transparent               | Select this checkbox to make blank parts of content transparent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
|                                                                                    |                               | <div><b>TIPS</b></div> Do not set to transparent if the content folder is assigned to the "Background Frame" of a program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |

| Menu option |                       | Explanation                                                                                                                                                                |                                                                                                                                                                                                                                                                                                             |
|-------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (6)         | Layout                | Set the layout of the content.<br>When the content type is Still Image or Flash, you can select “Keeping aspect ratio”, “Not keeping aspect ratio”, or “In original size”. |                                                                                                                                                                                                                                                                                                             |
|             |                       | Temporarily, move frame                                                                                                                                                    | To temporarily change the screen position of the content when the content folder is assigned to a program frame, select this checkbox and click [Position Setting]. The position and size of the frame can be specified for each content item. The screen position must be set within the background frame. |
| (7)         | Picture Transition    | Select image transition settings.<br>* “Content” tab only                                                                                                                  |                                                                                                                                                                                                                                                                                                             |
|             |                       | Effect                                                                                                                                                                     | Select the transition effect.<br>Also set the time that the transition effect is applied.                                                                                                                                                                                                                   |
|             |                       | Direction                                                                                                                                                                  | Select the transition direction.<br>Some transition effects do not have a transition direction setting or have varying types.                                                                                                                                                                               |
|             |                       | Via background                                                                                                                                                             | Select whether or not transition is via the background.                                                                                                                                                                                                                                                     |
| (8)         | HTML content settings | Select the browser that will be used to display content.<br>* “URL” tab only                                                                                               |                                                                                                                                                                                                                                                                                                             |
|             |                       | Show the HTML content in Internet Explorer                                                                                                                                 | Show HTML content using Internet Explorer.                                                                                                                                                                                                                                                                  |
|             |                       | Show the HTML content in e-Signage WEB browser                                                                                                                             | Show HTML content using the e-Signage WEB browser.                                                                                                                                                                                                                                                          |

## 3 Click [Add].

## 4 Repeat steps 1 to 3 as needed to create the playlist.

Playlist content is played in order starting with the content file at the top of the list.

If the folder mode of the content folder is set to “Direct Mode”, the files will play in ascending order of the filenames.

### TIPS

- When the folder mode is “Direct Mode”, you can add a playback duration to the end of a filename to specify the playback duration.

Example:

image1\_30s.jpg: 30 seconds  
 image2\_1m15s.jpg: 1 minute and 15 seconds  
 image3\_1h.jpg: 1 hour

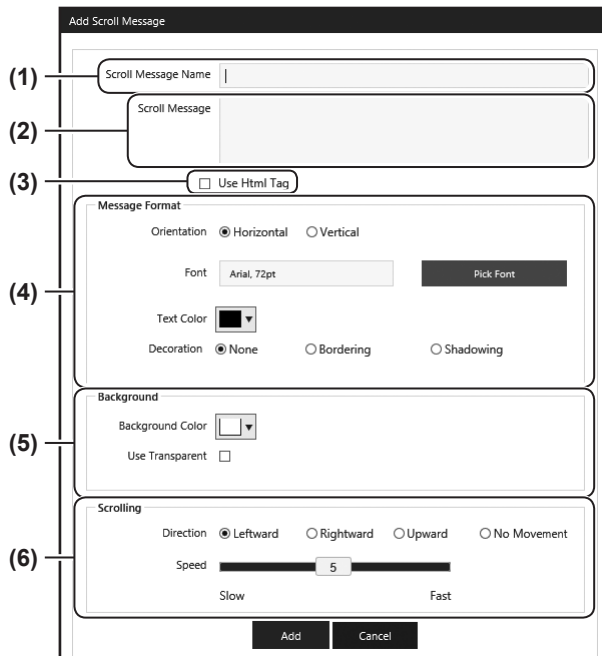
- When using the e-Signage WEB browser for display, preloading is not performed, even if HTML is set to be preloaded. In addition, the data is displayed at the front, regardless of the frame.

## Creating a scroll message

- 1 Click  in the Edit Content File window.

The screen for creating a scroll message appears.

- 2 Specify the items.



The screenshot shows the 'Add Scroll Message' dialog box. It contains the following elements:

- (1) Scroll Message Name: A text input field.
- (2) Scroll Message: A large text area for entering the message.
- (3) Use Html Tag: A checkbox.
- (4) Message Format: A section containing:
  - Orientation: Radio buttons for Horizontal (selected) and Vertical.
  - Font: A dropdown menu showing 'Arial, 72pt' and a 'Pick Font' button.
  - Text Color: A color selection box.
  - Decoration: Radio buttons for None (selected), Bordering, and Shadowing.
- (5) Background: A section containing:
  - Background Color: A color selection box.
  - Use Transparent: A checkbox.
- (6) Scrolling: A section containing:
  - Direction: Radio buttons for Leftward (selected), Rightward, Upward, and No Movement.
  - Speed: A slider control with 'Slow' and 'Fast' labels, currently set at 5.

At the bottom are 'Add' and 'Cancel' buttons.

| Menu option |                       | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                               |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|-------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|-----|----------------------|-----|--------------------------|-----|-----------------------------|-------|----------------------|---------|-----------------------|
| (1)         | Scroll Message Name   | Enter a name for the scroll message.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                               |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
| (2)         | Scroll Message        | <div>Enter the message.</div> <div><b>TIPS</b></div> <div>The greater the number of characters in each line, the more memory will be used. We recommend breaking lines at a suitable point so that they do not become too long.</div>                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                               |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
| (3)         | Use Html Tag          | Select this checkbox to use the following HTML tags in the “Scroll Message” in order to specify the font color, size and other effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                               |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <table><tr><th>Tag</th><th>Explanation</th></tr><tr><td>&lt;FONT&gt;</td><td>Defines the text. Takes the COLOR, SIZE and FACE attributes which respectively define the text color, text size and typeface.</td></tr><tr><td>&lt;B&gt;</td><td>Defines bold text.</td></tr><tr><td>&lt;I&gt;</td><td>Defines italic text.</td></tr><tr><td>&lt;U&gt;</td><td>Defines underlined text.</td></tr><tr><td>&lt;S&gt;</td><td>Defines strikethrough text.</td></tr><tr><td>&lt;BIG&gt;</td><td>Defines bigger text.</td></tr><tr><td>&lt;SMALL&gt;</td><td>Defines smaller text.</td></tr></table> | Tag                                                                                                                           | Explanation | <FONT> | Defines the text. Takes the COLOR, SIZE and FACE attributes which respectively define the text color, text size and typeface. | <B> | Defines bold text. | <I> | Defines italic text. | <U> | Defines underlined text. | <S> | Defines strikethrough text. | <BIG> | Defines bigger text. | <SMALL> | Defines smaller text. |
|             |                       | Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Explanation                                                                                                                   |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <FONT>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Defines the text. Takes the COLOR, SIZE and FACE attributes which respectively define the text color, text size and typeface. |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <B>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Defines bold text.                                                                                                            |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <I>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Defines italic text.                                                                                                          |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <U>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Defines underlined text.                                                                                                      |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <S>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Defines strikethrough text.                                                                                                   |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
|             |                       | <BIG>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Defines bigger text.                                                                                                          |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |
| <SMALL>     | Defines smaller text. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                               |             |        |                                                                                                                               |     |                    |     |                      |     |                          |     |                             |       |                      |         |                       |

| Menu option |                | Explanation             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|----------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (4)         | Message Format | Set the message format. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|             |                | Orientation             | Select horizontal or vertical for the text orientation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|             |                | Font                    | Change the font.<br><b>TIPS</b> <ul style="list-style-type: none"> <li>You must have the same font installed on the player device.</li> <li>With some font types, scrolling may be interrupted because the text size cannot be acquired.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|             |                | Text Color              | Set the text color.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|             |                | Decoration              | Select “None”, “Bordering”, or “Shadowing” for the text decoration. When “Bordering”, or “Shadowing” is selected, the decoration color can be set.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (5)         | Background     | Set the background.     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|             |                | Background Color        | Set the background color.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|             |                | Use Transparent         | Select this checkbox to make the background color transparent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|             |                |                         | Drag the Rate slider to the left or right to set the transparency.<br><b>TIPS</b> <ul style="list-style-type: none"> <li>Do not select this checkbox if you do not want to make the background color transparent. Even if the slider is set to opaque at the right end, the background does not become completely opaque.</li> <li>When the checkbox is selected, the color set for the background is made transparent. For this reason, if “Text Color” and/or “Decoration Color” are the same as “Background Color”, “Text Color” and/or “Decoration Color” will also become transparent.</li> <li>If transparent or semi-transparent scroll messages are positioned over a video, the desired effect may not be obtained.</li> </ul> |

| Menu option |                                         | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (6)         | Scrolling                               | Set the scroll direction and speed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|             | Direction                               | <p>Select the “Direction” from “Leftward”, “Rightward”, “Upward” and “No Movement”.</p> <p><b>TIPS</b></p> <ul style="list-style-type: none"> <li>When “Vertical” is selected in “Message Format”, neither “Leftward” nor “Rightward” can be selected.</li> <li>When “No Movement” is selected, scroll messages are displayed at the center of the specified range line by line. (Any parts outside this range are not displayed.)</li> </ul>                                                                                                     |
|             | Speed                                   | <p>Drag the Speed slider to the left or right to set the scroll speed.</p> <p>* This does not appear when “No Movement” is selected.</p> <p><b>TIPS</b></p> <ul style="list-style-type: none"> <li>The actual speed of a scroll message may vary slightly from the set speed due to variations in computer performance.</li> <li>When the “Use Transparent” checkbox is selected, the scroll speed may be slower than opaque scroll messages. It is recommended that the actual display of scroll messages be tested before operation.</li> </ul> |
|             | Use fading in/out when message switches | <p>When “No Movement” is selected, set whether messages will fade-in and fade-out.</p> <p>To have the currently displayed scroll message fade out and the next scroll message fade in when switching scroll messages, select the checkbox.</p> <p><b>TIPS</b></p> <p>If fade-in/fade-out scroll messages are positioned over a video, the desired effect may not be obtained.</p>                                                                                                                                                                 |
|             | Display Time of Each Line               | When “No Movement” is selected, scroll messages are displayed line by line. Set the display time.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### 3 Click [Add].

## ■ Uploading files to the “Scroll Message” folder or “Audio” folder

### TIPS

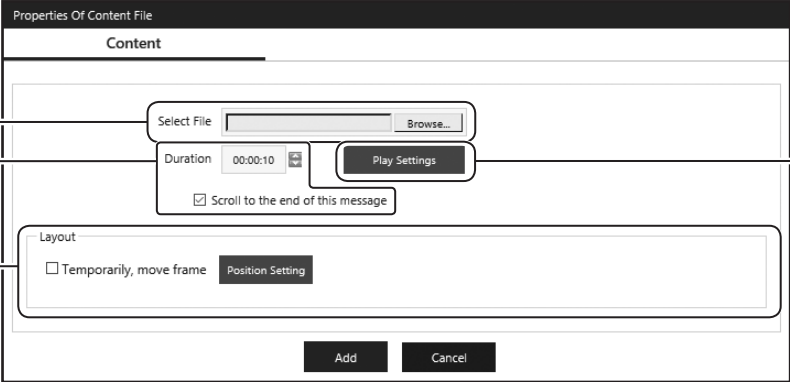
- Only the player can be used to upload files to the “Scroll Message” folder. Upload files are created in SDSS (☞ Page 103).

**1** Click  in the Edit Content File window.

The Add Content Folder window will appear.

**2** Specify the items.

### “Scroll Message” folder



### “Audio” folder



| Menu option |             | Explanation                                          |                                                                                                                                        |
|-------------|-------------|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| (1)         | Select File | Select the file you want to upload.                  |                                                                                                                                        |
| (2)         | Duration    | Set the playback duration.                           |                                                                                                                                        |
|             |             | Scroll to the end of this message                    | When selected, the message will be displayed to the last line even if the playback time is exceeded.<br>* “Scroll Message” folder only |
|             |             | Obtain duration automatically                        | The playback duration is obtained from the file information.<br>* “Audio” folder only                                                  |
| (3)         | Volume      | Select the playback volume.<br>* “Audio” folder only |                                                                                                                                        |

| Menu option |               | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |
|-------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (4)         | Play Settings | Select the action performed after playback finishes.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
|             |               | <b>TIPS</b> <ul style="list-style-type: none"> <li>You can set the action to be performed if playback of content finishes before the specified playback duration elapses. To select this setting, click [Play Settings].</li> <li>When the “Scroll to the end of this message” checkbox is not selected, playback of scroll messages is forcibly terminated after the specified duration elapses even if playback is not finished (this applies when the content type is scroll message).</li> </ul> |                                                                                                                                                                                                                                                      |
|             |               | Repeat this content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Repeat the content.                                                                                                                                                                                                                                  |
|             |               | Stop with background color/ Stop                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Stop playback and show the background color. / Stop playback.                                                                                                                                                                                        |
|             |               | Play next content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Play the next content file.                                                                                                                                                                                                                          |
| (5)         | Layout        | Set the layout of the content.<br>* “Scroll Message” folder only                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                      |
|             |               | Temporarily, move frame                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To change the screen position of the content temporarily, select this checkbox and click [Position Setting]. The position and size of the frame can be specified for each content item. The screen position must be set within the background frame. |

**3** Click [Add].

**4** Repeat steps 1 to 3 as needed to create the playlist.

## Downloading content files

Download files from the content folder.

**1** In the Edit Content File window, click  next to the file you want to download.

# Playback Condition Setting

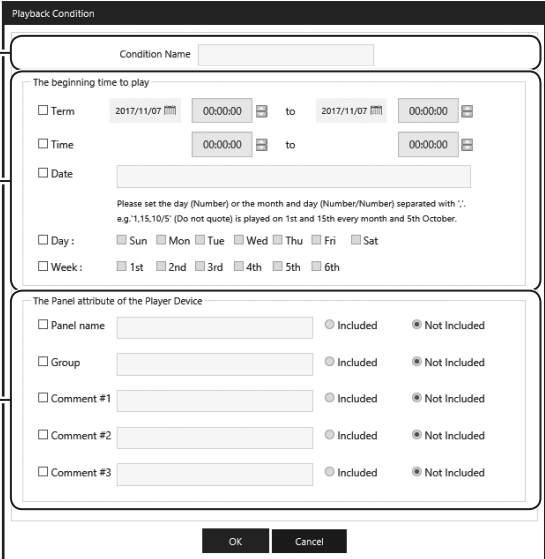
You can set playback conditions for content files. (Only for content folders whose “Folder Type” is “Media”.)  
If you have set multiple conditions, the content will play when all conditions are met.

## Setting playback conditions

**1** In the Edit Content File window, click  next to the file whose settings you want to configure.

**2** Specify the items.

Select the checkboxes of conditions you want to enable.



**(1)** Condition Name

**(2)** The beginning time to play

☐ Term 2017/11/07 00:00:00 to 2017/11/07 00:00:00

☐ Time 00:00:00 to 00:00:00

☐ Date

Please set the day (Number) or the month and day (Number/Number) separated with '/'.  
e.g. "1,15,10/5" (Do not quote) is played on 1st and 15th every month and 5th October.

☐ Day : ☐ Sun ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat

☐ Week : ☐ 1st ☐ 2nd ☐ 3rd ☐ 4th ☐ 5th ☐ 6th

**(3)** The Panel attribute of the Player Device

☐ Panel name  ☐ Included ☐ Not Included

☐ Group  ☐ Included ☐ Not Included

☐ Comment #1  ☐ Included ☐ Not Included

☐ Comment #2  ☐ Included ☐ Not Included

☐ Comment #3  ☐ Included ☐ Not Included

OK Cancel

| Menu option |                                          | Explanation                                                                                                                         |
|-------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| (1)         | Condition Name                           | You can assign a name to playback conditions.                                                                                       |
| (2)         | Playback Condition                       | You can set the playback duration.                                                                                                  |
|             |                                          | Term You can set the beginning and end dates.                                                                                       |
|             |                                          | Time You can set the beginning and end times.                                                                                       |
|             |                                          | Date You can set the playback date.                                                                                                 |
|             |                                          | Day You can set a day of the week for playback. (Multiple days can be selected.)                                                    |
|             |                                          | Week You can set playback on a certain week of every month. (Multiple weeks can be selected.)                                       |
| (3)         | The Panel attribute of the Player Device | Set playback conditions in the attributes set for the panel.                                                                        |
|             |                                          | Panel Name You can set playback to take place on panels with names that contain or do not contain characters that you enter.        |
|             |                                          | Group You can set playback to take place by groups that contain or do not contain the characters that you enter.                    |
|             |                                          | Comment 1 to 3 You can set playback to take place on panels with comments that contain or do not contain characters that you enter. |

**3** Click [OK].

**TIPS**

- The Panel Name, Group, and Comment playback conditions reference the panel attribute information in the player device at the time of playback.
- By setting panel attribute information on player devices in advance, you can distribute identical content to multiple player devices, and play the content on each player device.
- For information on how to set panel attribute information on player devices, refer to pages 88, 95.

# Program

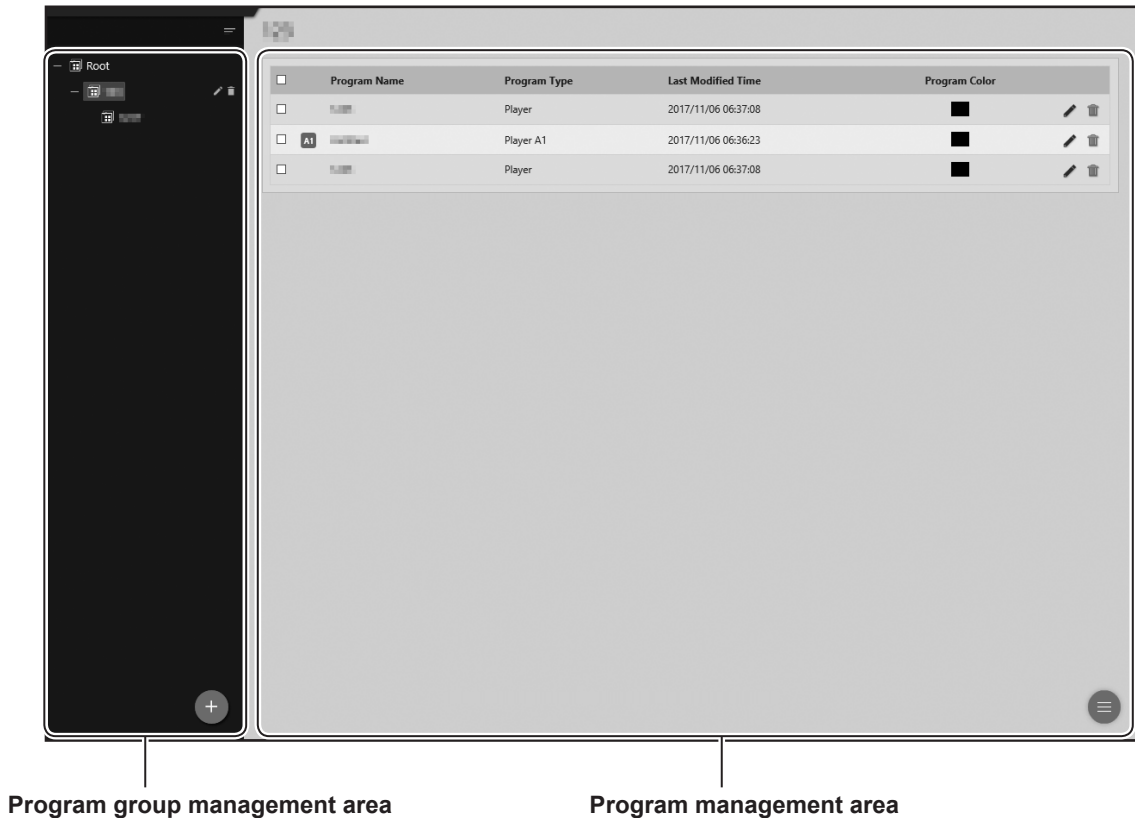
# Program Management

## Main window

This window is used to manage programs displayed on panels.

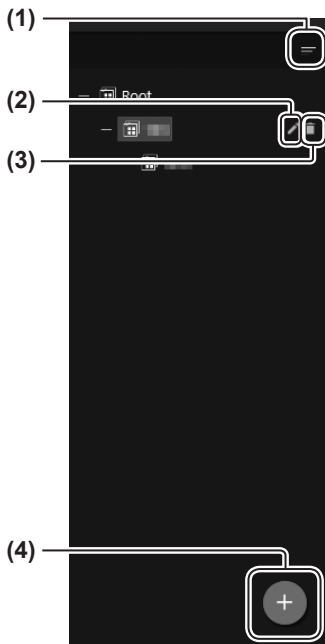
By assigning content folders to program frames, you can divide the screen.

When you click a program group folder in the program group management area, the programs in that program group appear in the program management area.



## Managing program groups

### ■ Program group management area



**(1) Less button**

Click to show less of the menu.

**(2) Edit button**

Edit the information saved in a program group.

**(3) Delete button**

Delete a program group.

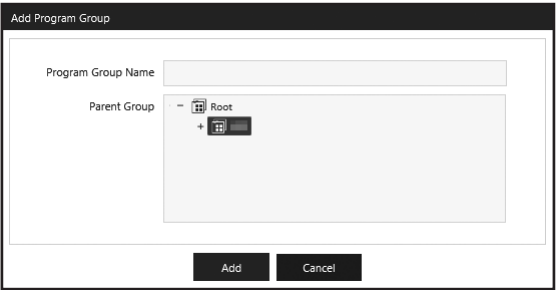
**(4) Add button**

Add a program group.

■ **Creating a Program Group**

**1** Click  in the program group management area.  
The Create Program Group window will appear.

**2** Enter each item.

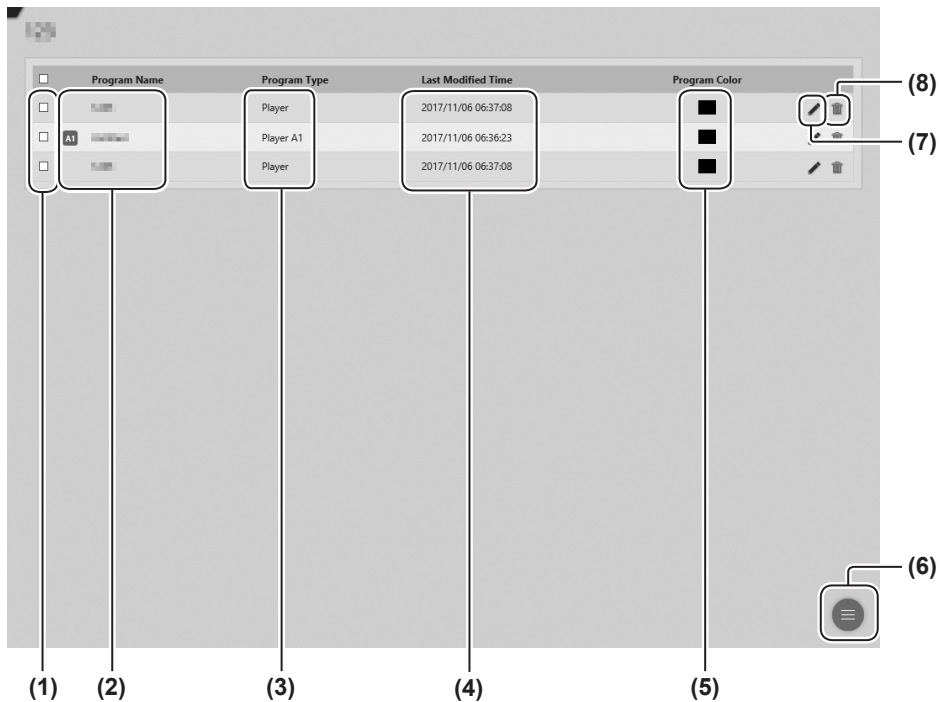


| Menu option                   | Explanation                                    |
|-------------------------------|------------------------------------------------|
| Program Group Name (required) | Name of the group. (1 to 50 characters)        |
| Parent Group (required)       | Set the folders that will belong to the group. |

**3** Click [Add].

## Managing programs

### ■ Program Management area



#### (1) Checkboxes

Use to delete multiple programs.

#### (2) Program Name

Indicates the program name.

#### (3) Program Type

Indicates the program type.

#### (4) Last Modified Time

Indicates the date and time the program was last modified.

#### (5) Program Color

Indicates the color set for the program.

#### (6) Menu button

Use to add a program.

When this is selected with multiple checkboxes selected, the Delete menu will appear.

#### (7) Edit button

Edit a program.

#### (8) Delete button

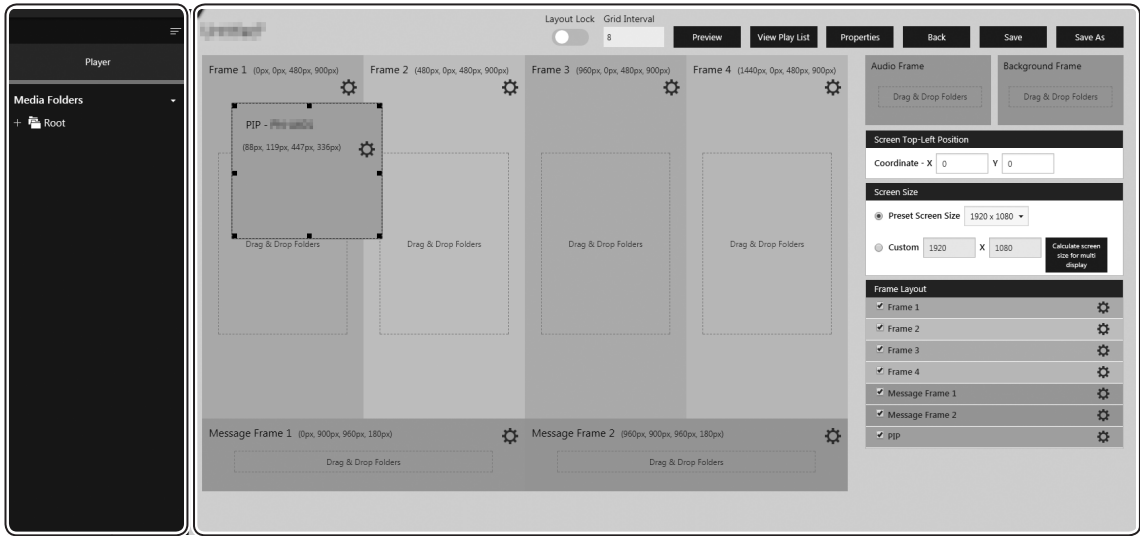
Delete a program.

# Creating a Program

## Main window

Create programs to be played on panels.

You can drag a content folder from the content folder selection area to a broken-line frame (Frame, Message Frame, Audio Frame, Background Frame) in the program creation area to assign that content folder to the frame.



Content folder selection area

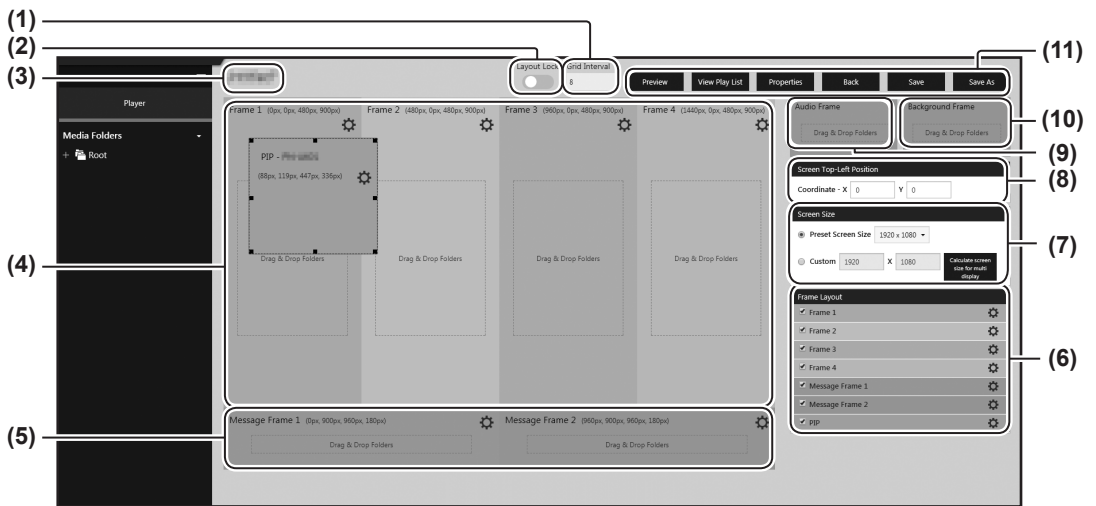
Program creation area

## Creating programs

### ■ Setting the layout

Set the layout of the overall screen.

- 1 Click  in the program management area and select “Add”.
- 2 Select the type of player software to which the content will be distributed.
- 3 Specify the items.



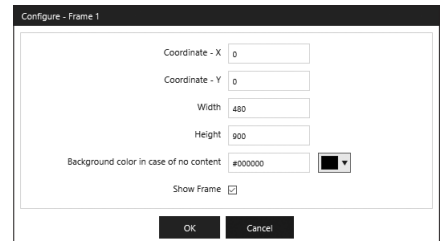
| Menu option |                          | Explanation                                                                                                                                                                                                                                  |
|-------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)         | Grid Interval            | Set the interval between the grid lines.<br>Using the grid makes it easy to position items precisely. You can drag items with your mouse and snap them to a grid line.                                                                       |
| (2)         | Layout Lock              | Use this option to prevent accidental changes to the layout.                                                                                                                                                                                 |
| (3)         | Program Name             | The name of the program appears here. If the content of an opened program is changed, an asterisk (*) will appear after the program name.                                                                                                    |
| (4)         | Frame 1 - 4              | Set the content displayed in frames 1 to 4 and the positions of the content.                                                                                                                                                                 |
|             | PIP                      | Set the content displayed in the PIP frame and the position of the content. (  Page 61)<br>* To display a PIP frame, add a checkmark to the frame layout. |
| (5)         | Message Frame 1 - 2      | Set the content displayed in scroll message frames 1 and 2 and the positions of the content. (  Pages 45, 48)                                             |
| (6)         | Frame Layout             | Select whether each frame is shown or hidden.                                                                                                                                                                                                |
| (7)         | Screen Size              | Set the size at which the program is displayed on the panel. (  Page 62)                                                                                  |
| (8)         | Screen Top-Left Position | Set the position of top-left corner of the screen. (  Page 62)                                                                                            |

| Menu option |                  | Explanation                                                                                                                                                                                                                                                                                                                                                                            |
|-------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (9)         | Audio Frame      | Set the audio or music that plays while a program is displayed. (  Page 48)                                                                                                                                                                                                                         |
| (10)        | Background Frame | Set the background of the program.                                                                                                                                                                                                                                                                                                                                                     |
| (11)        | Preview          | Show a preview of the program you created. Exit the preview with the [Esc] key.<br>* Save the program with [Save] before showing the preview.<br>* Select the preview method (ORIGINAL SIZE or FIT TO SCREEN).<br>* If you preview e-Signage S Player A1 data on a computer, some parts may differ from actual playback. It may not be possible to preview some video and audio files. |
|             | View Play List   | You can view the details of the content folders assigned to the frames. (Frame 1 - 4, Message Frame 1 - 2, Audio Frame, Background Frame, PIP Frame)                                                                                                                                                                                                                                   |
|             | Properties       | Set the program properties (Program Name, Program Color).                                                                                                                                                                                                                                                                                                                              |
|             | Back             | Return to the main screen of program management without saving your changes.                                                                                                                                                                                                                                                                                                           |
|             | Save             | Save the program currently being edited.                                                                                                                                                                                                                                                                                                                                               |
|             | Save As          | Save the program currently being edited under a different name.                                                                                                                                                                                                                                                                                                                        |

## 4 Adjust the size of each frame.

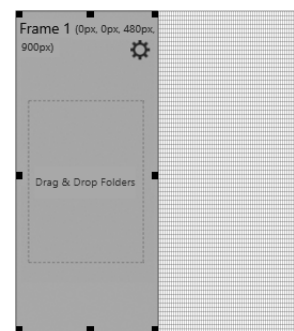
For the frame, message frame, and PIP frames, click , change the settings, and click [OK].

| Item                                   | Description                                                            |
|----------------------------------------|------------------------------------------------------------------------|
| Coordinate - X                         | Set the display position.                                              |
| Coordinate - Y                         |                                                                        |
| Width                                  | Set the display size.                                                  |
| Height                                 |                                                                        |
| Background color in case of no content | Set the background color for when content is not used.<br>* Frame only |
| Show Frame                             | Select whether the frame is shown or hidden.                           |



### TIPS

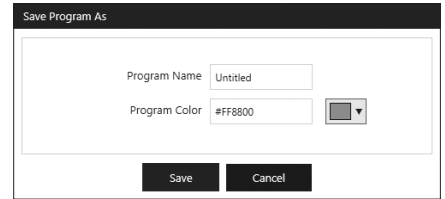
- Click a frame to select it. Eight resize handles will appear around the border of the frame. You can drag these handles with your mouse to resize a frame while viewing the result.  
You can also drag any part of the frame other than a resize handle to move the frame.
- You can hold down [Shift] while dragging to maintain the same aspect ratio as you resize a frame.
- You can use the "Grid Interval" to move or resize frames precisely to the grid lines. (  Page 58)
- The PIP frame cannot be moved in increments of 1 point. Placeable positions vary by LCD monitor.



## 5 Click [Save As].

The Save As window will appear.

| Item          | Description            |
|---------------|------------------------|
| Program Name  | Set the program name.  |
| Program Color | Set the program color. |



## 6 Set each item and click [Save].

### ■ Assigning content folders

#### 1 From the menu in the content folder selection area, select the appropriate content folder type for the frame to which the content folder is being assigned.

For a frame or background frame, select “Media Folders”. For a message frame, select “Scroll Message Folders”. For the audio frame, select “Audio Folders”.

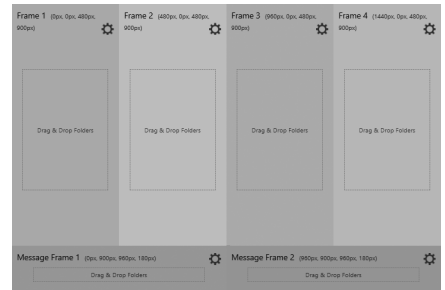
#### 2 Select the folder group, and drag and drop the content folder to be assigned.

- For the file types that can be used, refer to page 40.
- You can place multiple content folders in one frame. The content folders and content that have been placed can be viewed using “View Play List”.

#### 3 Repeat steps 1 to 2 as needed to create the program.

For information on the PIP frame, see page 61.

#### 4 Click [Save].



### TIPS

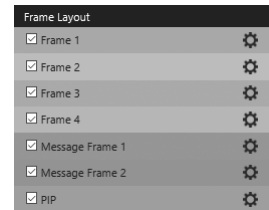
- Assigned content folders can be deleted using “View Play List”.

## ■ Setting the PIP frame

Set the PIP frame size, Input Source, Audio Source, and other parameters. This function can be used only with a LCD monitor (PN series).

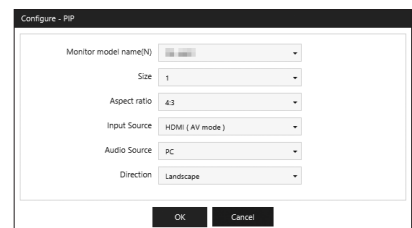
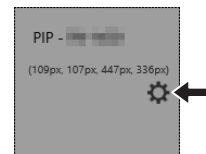
This function is only for Player.

### 1 Select the “PIP” checkbox in [Frame Layout].



### 2 Click and set each item.

| Item               | Description                                                                                                                                                      |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monitor model name | Set the monitor model.<br>* The items that appear vary by model.                                                                                                 |
| Size               | Select the size.<br>Sizes vary by aspect ratio.                                                                                                                  |
| Aspect ratio       | Select the aspect ratio of the screen.<br>* Select this according to the video or images that you want to display.                                               |
| Input Source       | Select the Input Source.                                                                                                                                         |
| Audio Source       | Select the Audio Source.                                                                                                                                         |
| Direction          | Select the orientation in which the panel is installed.<br>* The settings on the LCD monitor cannot be changed. Select settings that match the monitor settings. |



### 3 Click [OK].

## ■ Setting the position of the screen

### 1 Set “Screen Top-Left Position”.

Set the coordinates (-99999 - 99999) for the desired position of the top left hand corner of the background in the panel.

“Coordinate - X” and “Coordinate - Y” are normally both set to “0”.

## ■ Setting the screen size

### 1 Set the “Screen Size”.

The screen size is the size of the background. Select the “Preset Screen Size” option button, and choose a size from the pull-down menu. The screen size is normally set to the panel size (resolution).

#### TIPS

- If the desired size is not in the list, select the “Custom” option button and enter the size.
- If you want to combine multiple panels into a single display, select the “Custom” option button, click [Calculate screen size for multi display], and set the monitor installation direction (orientation) of each panel.

## Display priority order

If frames overlap when a program is displayed, programs will be displayed in the following order from foreground to background.

“PIP Frame” → “Message Frame” → “Frame4” → “Frame3” → “Frame2” → “Frame1” → “Background Frame”

#### TIPS

- If the content of a frame or background is a PowerPoint file, EXE file, or e-Signage WEB browser, the frame will be displayed in the foreground regardless of the display order.
- If a video is displayed in the background, the video may appear in front of other frames. Set the video in one of frames 1 to 4, not the background.

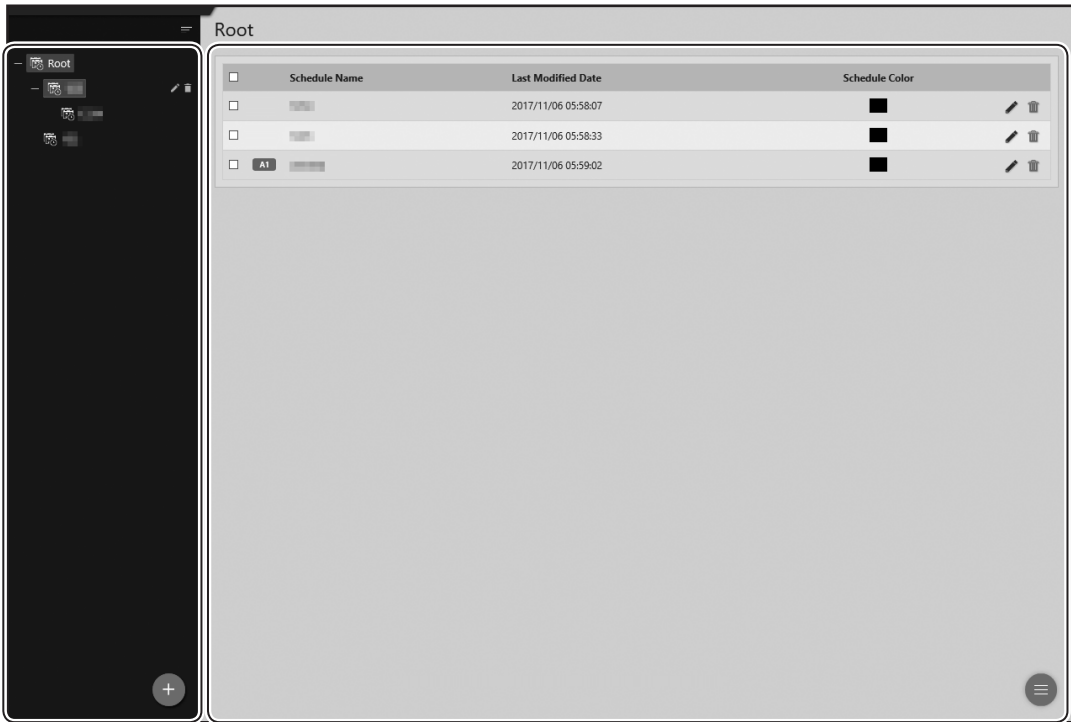
# **Schedule**

# Schedule Management

## Main window

You can manage “Schedules” for display of content folders and programs on panels.

When you click a schedule group name in the schedule group management area, the schedules in that schedule group appear in the schedule management area.



Schedule group management area

Schedule management area

## Managing schedule groups

### ■ Schedule group management area



**(1) Less button**

Click to show less of the menu.

**(2) Edit button**

Edit the information saved in a schedule group.

**(3) Delete button**

Delete a schedule group.

**(4) Add button**

Add a schedule group.

■ Creating schedule groups

1 Click  in the schedule group management area.  
The Create Schedule Group window will appear.

2 Enter each item.

Add Schedule Group

Schedule Group Name

Parent Group

-  Root

+  

Add

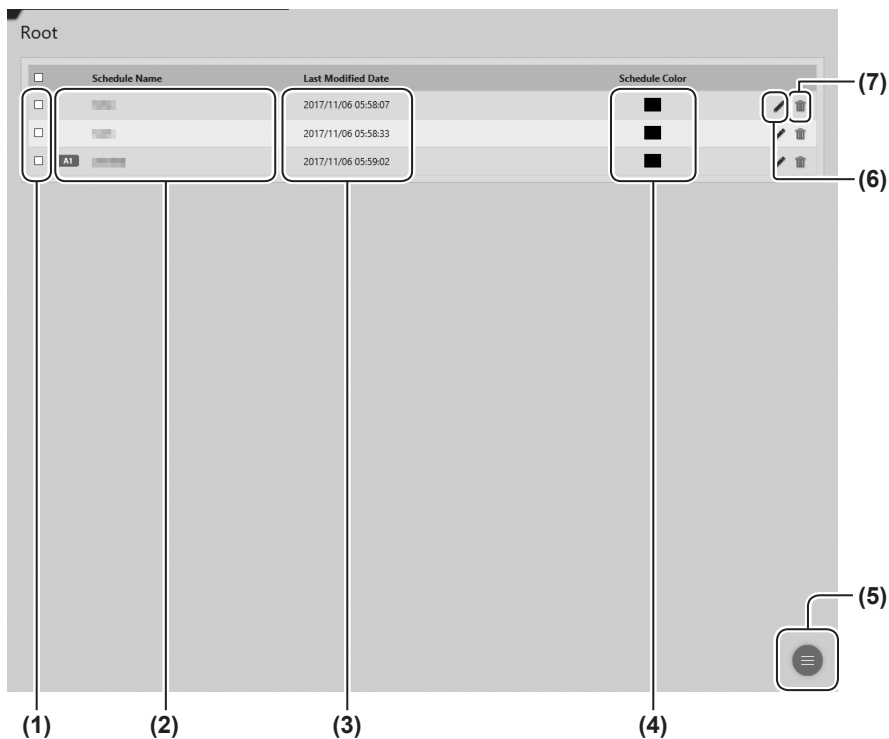
Cancel

| Menu option                    | Explanation                                    |
|--------------------------------|------------------------------------------------|
| Schedule Group Name (required) | Name of the group.                             |
| Parent Group (required)        | Set the folders that will belong to the group. |

3 Click [Add].

## Managing schedules

### ■ Schedule management area



#### (1) Checkboxes

Use to delete multiple schedules.

#### (2) Schedule Name

Shows the name of the schedule.

#### (3) Last Modified Date

Indicates the date and time the schedule was last modified.

#### (4) Schedule Color

Indicates the color set for the schedule.

#### (5) Menu button

Use to add a schedule.

When this is selected with multiple checkboxes selected, the Delete menu will appear.

#### (6) Edit button

Edit a schedule.

#### (7) Delete button

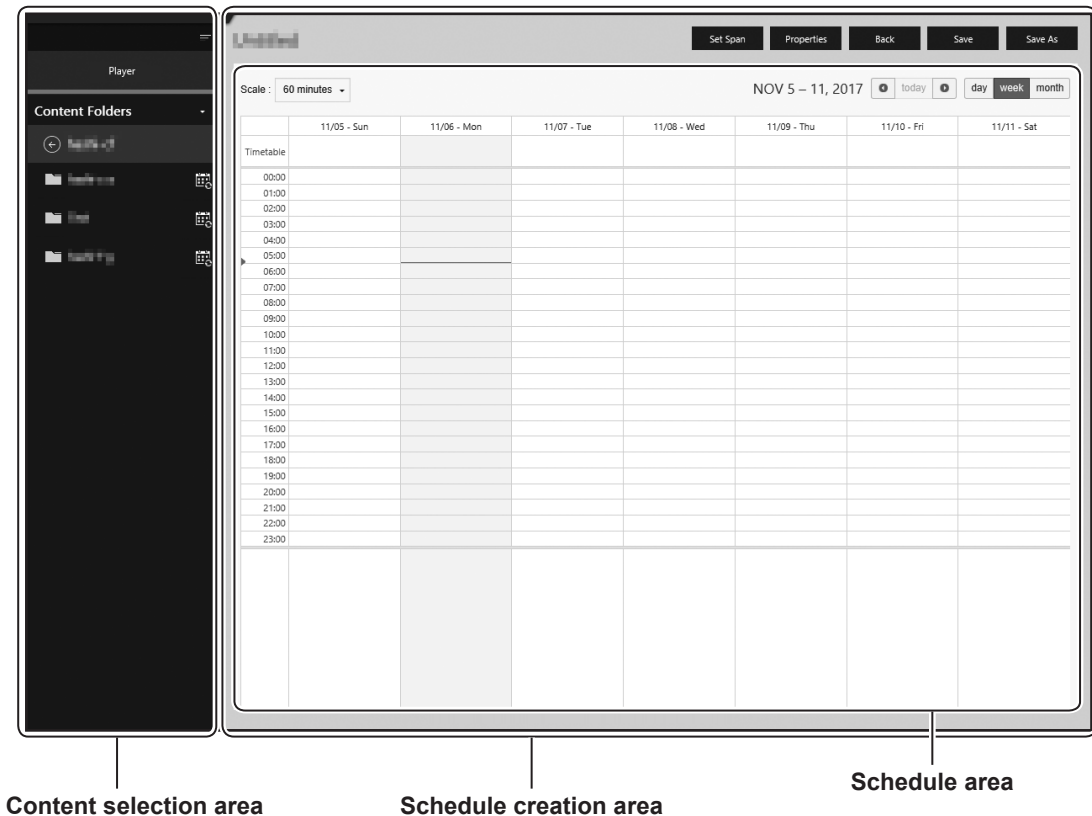
Delete a schedule.

# Creating Schedules

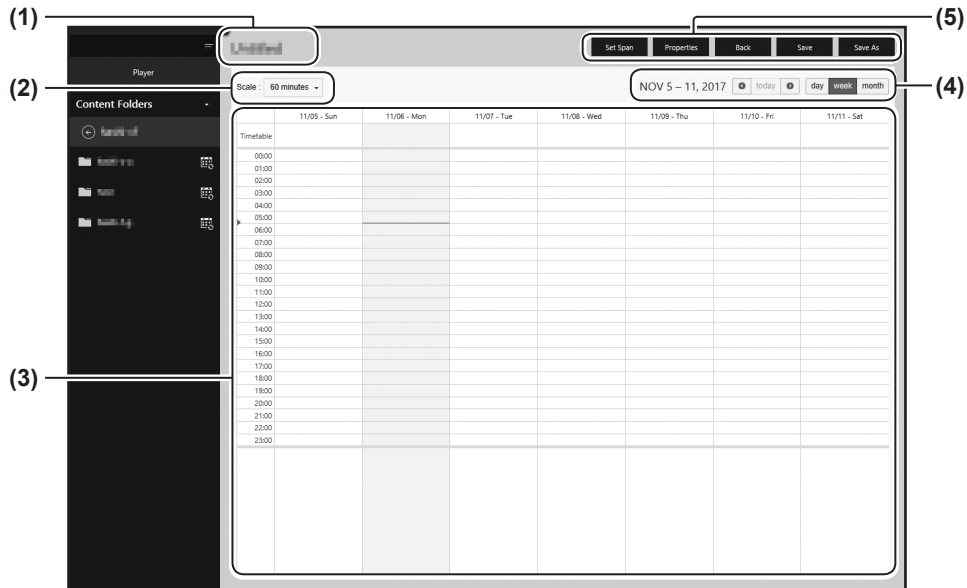
## Main window

Use this window to create “Schedules” for the display of content folders and programs on panels.

You can drag content (a content folder, program, or panel control command) from the content selection area to the schedule area, and set the time span for display/control.



## ■ Schedule creation area



\* Example of “Week” window.

| Menu option |               | Explanation                                                                                                                                                                                                                                                           |
|-------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1)         | Schedule Name | Shows the name of the schedule. If the content of an opened schedule is changed, an asterisk (*) will appear after the schedule name.                                                                                                                                 |
| (2)         | Scale         | You can select the display scale of the schedule area.                                                                                                                                                                                                                |
| (3)         | Schedule area | Set a playback schedule. (📖 Page 70)                                                                                                                                                                                                                                  |
| (4)         | Display Range | Set the display range of the schedule area.                                                                                                                                                                                                                           |
|             | <div> </div>  | Move the display range.<br><div>              Move back to the previous display range.           </div> <div>              Move to the display range that includes today's date.           </div> <div>              Move to the next display range.           </div> |
|             | <div> </div>  | “day”, “week”, or “month” can be selected for the display range increment.                                                                                                                                                                                            |
| (5)         | Set Span      | Set the time span displayed in the schedule area.                                                                                                                                                                                                                     |
|             | Properties    | Set the schedule properties (schedule name, schedule color).                                                                                                                                                                                                          |
|             | Back          | Return to the main screen of schedule management without saving your changes.                                                                                                                                                                                         |
|             | Save          | Save the schedule you are currently editing.                                                                                                                                                                                                                          |
|             | Save As       | Save the schedule you are currently editing under a different name.                                                                                                                                                                                                   |

## Creating a schedule

- 1 Click  in the schedule management area and select “Add”.
- 2 Select the type of player software to which the content will be distributed.
- 3 Select the content to be assigned from “Content Folders”, “Programs”, or “Panel Control Commands”.

For “Content Folders” or “Programs”, select the group and display the content to be assigned.

- 4 Drag the content to the schedule area.

In the case of “month” display, or when the content is dragged to timetable frame above the time span frame, playback will be all-day.

For details on panel control commands, refer to page 72.

You can set conditions for recurring playback of content (content folder / program). Click  in the content selection area and set the recurring conditions on the “Recurring” tab.

Start Time: Start time of recurring playback

End Time: End time of recurring playback

Repeat Interval: Interval at which content playback starts

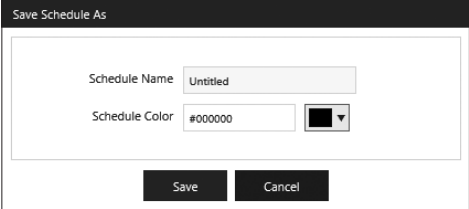
Duration: Duration of content playback

### TIPS

- A playback instance that will not end by the “End Time” will not be registered. Playback instances that will finish by the “End Time” will be registered.

- 5 Change the time span as needed.  
Drag or click a placed item to change it.
- 6 Repeat steps 3 to 5 as needed to set the schedule for the day.
- 7 To use the day schedule for other days, save the schedule as a timetable. ( Page 71)
- 8 Click [Save As].  
The Save As window will appear.

| Item           | Description             |
|----------------|-------------------------|
| Schedule Name  | Set the schedule name.  |
| Schedule Color | Set the schedule color. |



The image shows a 'Save Schedule As' dialog box. It has a title bar 'Save Schedule As'. Inside, there are two fields: 'Schedule Name' with the value 'Untitled' and 'Schedule Color' with the value '#000000'. To the right of the color field is a color selection icon. At the bottom, there are two buttons: 'Save' and 'Cancel'.

- 9 Set each item and click [Save].

## ■ Adjusting an assigned content folder, program, or panel control command

### Changing the playback start time

You can drag a content folder, program, or panel control command assigned to the schedule area to move it.

### Changing the playback end time

You can hover your mouse cursor over a content folder or program assigned to the schedule area to display a handle at the bottom.

You can drag this handle to visually adjust the playback end time of the content folder or program.

### Changing/deleting the playback period

You can click a content folder, program, or panel control command assigned to the schedule and change it using the screen that appears. You can also delete the item in that screen.

## ■ Saving a timetable for synchronization

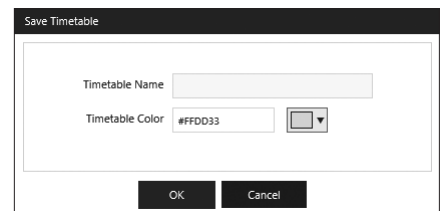
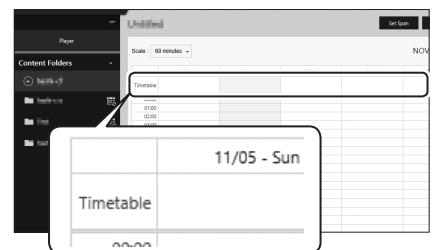
You can save a schedule created for one day as a timetable in order to use that schedule for another date (synchronized schedule).

- 1 Click the timetable frame above the time span frame of the date for which you want to save the timetable.

The Save As window will appear.

| Item            | Description              |
|-----------------|--------------------------|
| Timetable Name  | Set the timetable name.  |
| Timetable Color | Set the timetable color. |

- 2 Set each item and click [OK].

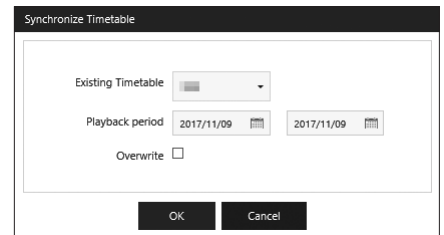


## ■ Synchronize Timetable

- 1 Click the timetable frame of the date for which you want to synchronize the timetable.

The Synchronize window will appear.

| Item               | Description                                                                           |
|--------------------|---------------------------------------------------------------------------------------|
| Existing Timetable | Select the name of the timetable to be synchronized.                                  |
| Playback period    | Select the period to be synchronized.                                                 |
| Overwrite          | To overwrite a previously schedule with synchronized timetable, select this checkbox. |

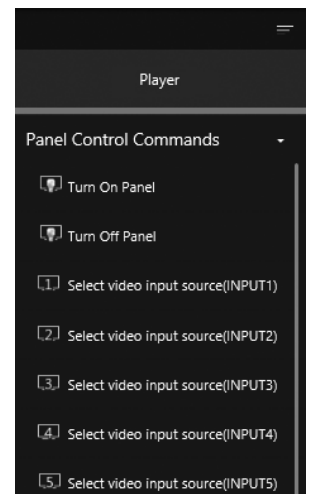


- 2 Set each item and click [OK].

## ■ Panel control commands

Table of panel control commands

| Command        | Description                                                                                                                                                 |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turn On Panel  | Turns the panel (monitor) power ON.                                                                                                                         |
| Turn Off Panel | Puts the panel (monitor) in standby mode.                                                                                                                   |
| Input "No."    | Switches the panel (monitor) input source.                                                                                                                  |
| TV             | Switches the input source of the panel (monitor) to "TV input".<br>The channel cannot be specified. The channel previously selected on the TV is displayed. |



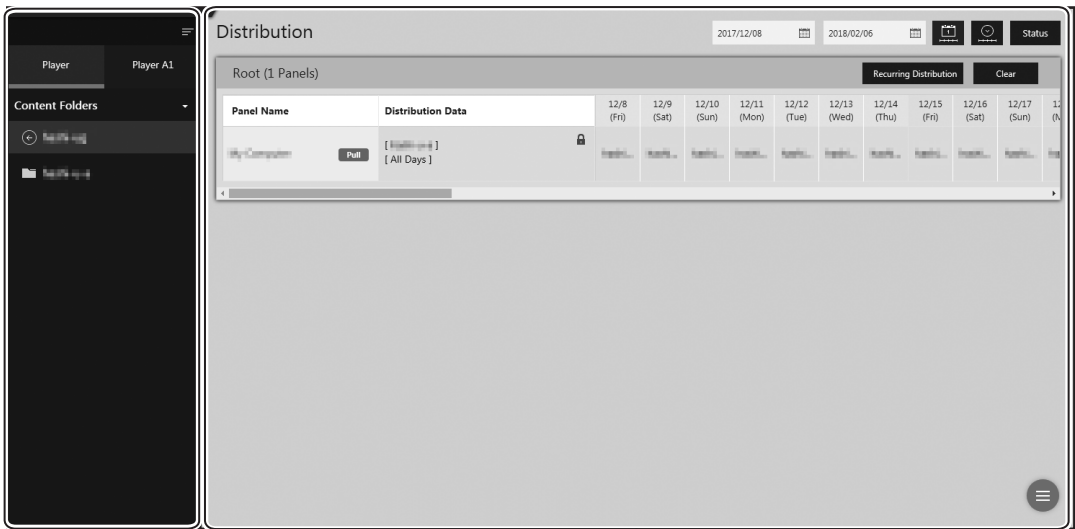
# Distribution

# Distribution

This chapter explains how to assign, and distribute or recurring distribute data to panels.

## Main window

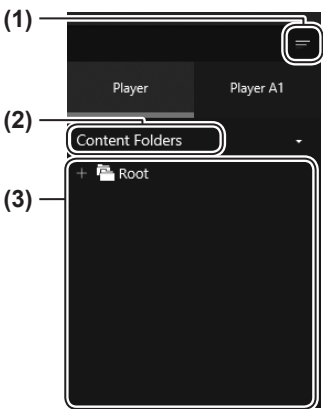
You can view distribution information in this window.



Distribution data selection area

Panel area

### ■ Distribution data selection area



#### (1) Less button

Click to show less of the menu.

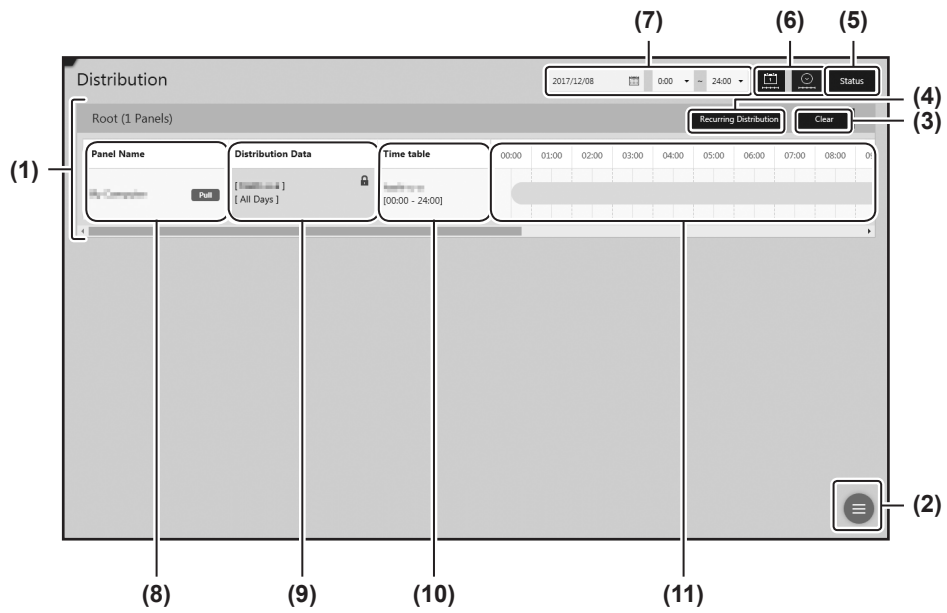
#### (2) Category selection button

Select from content folders, programs, schedules, or SDSS schedule for the category of data to be assigned to a panel.

#### (3) Selection area

Select the distribution data to be assigned.  
Only the selected category of distribution data is shown.

## ■ Panel area



\* Example of hourly window.

(1) **Display area**

You can assign distribution data to panel. (  Page 78)

(2) **Menu button**

Click to show a menu consisting of the following items.

|                                                                                   |                                                                                                                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Finalize a distribution schedule and schedule distribution.<br>Select the panel for which you want to finalize the schedule and click this icon.     |
|  | Cancel finalization of the schedule that was assigned to a panel.<br>Select the panel for which you want to cancel finalization and click this icon. |
|  | Resend distribution data to a panel for which a distribution error occurred.                                                                         |

**TIPS**

To cancel a schedule that is waiting for distribution or being distributed, click .

(3) **Clear button**

Clear an assigned schedule from a panel.  
Select the panel from which you want to clear the schedule assignment and click this icon. Cancel the schedule finalized distribution and operate.

(4) **Recurring Distribution button**

Set recurring distribution for the panel. Select the day of the week and time, and click “Add”.

(5) **View toggle button (Distribution Screen / Status)**

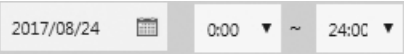
Toggle between distribution view and distribution status view.

(6) **Display units**

Toggle the Distribution Schedule window between day display (  ) and hourly display (  )

(7) **Display range**

Select the distribution schedule range that is displayed.

|                                                                                     |                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Day display</b>                                                                  |                                                                                                                                                                                                    |
|  | Specify the days to be displayed (starting date and ending date).<br>Click and select in the dialog box that appears.                                                                              |
| <b>Hourly display</b>                                                               |                                                                                                                                                                                                    |
|  | Specify the date and time to be displayed.<br>Click the icon to display a dialog box, click the display date in the dialog box, and then select a start time and end time from the pull-down menu. |

**(8) Panel Name**

Displays the panel names.

The distribution type is indicated next to the panel name by icons.

**(9) Distribution data**

Shows information on the assigned distribution data.

**(10) Time table (only in hourly display)**

Shows the timetable set for the specified day.

**(11) Distribution schedule**

Shows information on the distribution schedule assigned to the panel.

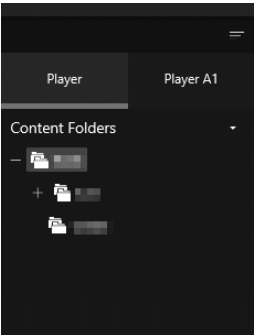
# Distributing / Scheduling distribution

Assign and distribute distribution data to a panel, or schedule distribution.

- 1 Display the distribution data that you want to assign in the distribution data selection area. (👉 Page 74)

TIPS

You can assign data by uploading a schedule in SDSS format. (👉 Page 103)



- 2 Click a panel to put it in the selected state.



- 3 Drag distribution data to the panel name in the panel area to which the data is to be distributed.

- 4 Click  → .

The settings window appears.

## 5 Select distribution options as needed.

| Menu option                                                     | Explanation                                                                                                                                                                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turn On Player Device before starting distribution              | If the player device is not on, turn on before distributing.<br>This option is not available in PULL type distribution.                                                                                                  |
| Turn Off Player Device after distribution                       | Turn off the player device after distribution is completed.                                                                                                                                                              |
| Distribute only differences from content files on Player Device | Distribute only content that has not yet been distributed (data with a different file name, different file creation date/time, different data size, etc.). Content that has already been distributed is not distributed. |

## 6 Click [OK].

The distribution is finalized and a finalized mark ( ) appears on the assigned content.

### TIPS

- Check if the distribution was completed properly in the Status window. ( Page 80)
- Distribution may take time.
- Past distribution data is not distributed. Only distribution data for the current day (and after) is distributed.

# Distribution Status

You can check the status of distribution and cancel or resend.

1 Click the view toggle button (5) (Distribution Screen / Status) in the panel area.



2 Check the status of distribution.

|                                 |                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Phase 1 (Confirm Distribution)  | Shows assigned distribution data and the date and time of finalization of distribution.                                          |
| Phase 2 (Distribution Schedule) | Shows the date and time distribution is scheduled.                                                                               |
| Phase 3 (Distribution Start)    | Shows the date and time distribution was started.                                                                                |
| Phase 4 (Distribution Complete) | Shows the date and time distribution was completed.<br>If distribution was not completed properly, the reason will be indicated. |

3 If needed, click  and perform an action below.

|                                                                                     |                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | Cancel the distribution finalized status of a panel to which distribution has been completed. Or, stop distribution that has not been completed and cancel finalization.<br>Select the panel to which you want to stop distribution, and click this icon. |
|  | Resend distribution data to a panel for which a distribution error occurred.<br>Select the panel to which you want to resend data and click this icon.                                                                                                    |

# USB Memory / SD Card Distribution

- 1** Select “Player” or “Player A1” in the left area.
- 2** Select “Content Folders”, “Programs”, or “Schedules”.
- 3** Display the data to be distributed.
- 4** Drag the data to be distributed into the broken-line frame in the right area.
- 5** Click the [Refresh] button in the upper right.
- 6** Click the icon that appears on “Launch Utility”.  
Depending on distribution data, it takes time may not be displayed immediately. In that case, please click the [Refresh] button again.
- 7** Select the destination drive and click [OK].
- 8** A stop device confirmation screen appears. Click [Yes] and remove the device.
- 9** Insert the external storage device to which you copied the data into the player device.  
The content is distributed automatically. When distribution finishes, the USB memory or other external storage device stops automatically. Check the message and remove the device.

## TIPS

- Do not remove the USB memory (USB flash drive) or other external storage device from the PC before copying is completed.
- Distribution may not be possible with some types of USB memory or other external storage devices.
- Regarding e-Signage S Player A1, USB memory/SD card distribution will not work if you insert USB memory/SD card when screen of other application is displayed. Launch e-Signage S Player A1 and display e-Signage S Player A1's setting screen or playback screen first. After that, you may insert USB memory/SD card.

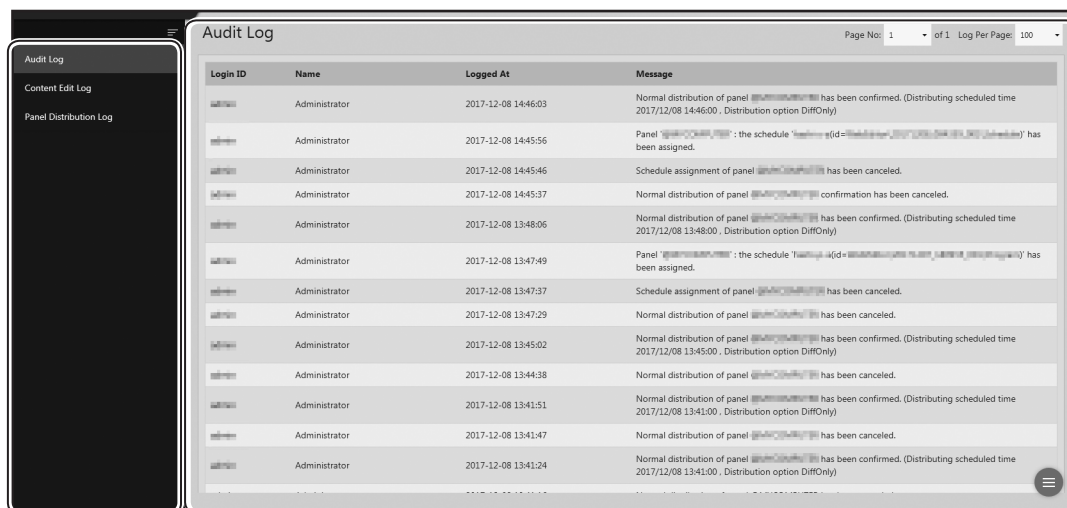
# **System Log**

# Viewing the System Log

You can view the Audit Log, Content Edit Log, and Panel Distribution Log.

## Main window

Select and click the system log you want to view and the log will appear in the system log area.



System log selection area

System log area

## Viewing a system log

### 1 Select the log you want to view in the system log selection area.

|                        |                                                                            |
|------------------------|----------------------------------------------------------------------------|
| Audit Log              | This shows a log of actions performed by users other than content editing. |
| Content Editor Log     | Log of content editing performed by users.                                 |
| Panel Distribution Log | Log of distribution to panels.                                             |

### 2 Check the information that appears.

The screenshot shows the 'Audit Log' window. At the top right, there are two dropdown menus: 'Page No.' (labeled 1) and 'Log Per Page' (labeled 2). The main area is a table with four columns: 'Login ID' (labeled 3), 'Name' (labeled 4), 'Logged At' (labeled 5), and 'Message' (labeled 6). The table contains 12 rows of log entries, each showing an administrator's actions on various panels and schedules.

| Login ID      | Name          | Logged At           | Message                                                                                                                                         |
|---------------|---------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Administrator | Administrator | 2017-12-08 14:46:03 | Normal distribution of panel [id=123456789] has been confirmed. (Distributing scheduled time 2017/12/08 14:46:00, Distribution option DiffOnly) |
| Administrator | Administrator | 2017-12-08 14:45:56 | Panel '[id=123456789]': the schedule '[id=123456789]' has been assigned.                                                                        |
| Administrator | Administrator | 2017-12-08 14:45:46 | Schedule assignment of panel [id=123456789] has been canceled.                                                                                  |
| Administrator | Administrator | 2017-12-08 14:45:37 | Normal distribution of panel [id=123456789] confirmation has been canceled.                                                                     |
| Administrator | Administrator | 2017-12-08 13:48:06 | Normal distribution of panel [id=123456789] has been confirmed. (Distributing scheduled time 2017/12/08 13:48:00, Distribution option DiffOnly) |
| Administrator | Administrator | 2017-12-08 13:47:49 | Panel '[id=123456789]': the schedule '[id=123456789]' has been assigned.                                                                        |
| Administrator | Administrator | 2017-12-08 13:47:37 | Schedule assignment of panel [id=123456789] has been canceled.                                                                                  |
| Administrator | Administrator | 2017-12-08 13:47:29 | Normal distribution of panel [id=123456789] has been canceled.                                                                                  |
| Administrator | Administrator | 2017-12-08 13:45:02 | Normal distribution of panel [id=123456789] has been confirmed. (Distributing scheduled time 2017/12/08 13:45:00, Distribution option DiffOnly) |
| Administrator | Administrator | 2017-12-08 13:44:38 | Normal distribution of panel [id=123456789] has been canceled.                                                                                  |
| Administrator | Administrator | 2017-12-08 13:41:51 | Normal distribution of panel [id=123456789] has been confirmed. (Distributing scheduled time 2017/12/08 13:41:00, Distribution option DiffOnly) |
| Administrator | Administrator | 2017-12-08 13:41:47 | Normal distribution of panel [id=123456789] has been canceled.                                                                                  |
| Administrator | Administrator | 2017-12-08 13:41:24 | Normal distribution of panel [id=123456789] has been confirmed. (Distributing scheduled time 2017/12/08 13:41:00, Distribution option DiffOnly) |

\* Example of "Audit Log" window.

|     | Menu option         | Explanation                                          |
|-----|---------------------|------------------------------------------------------|
| (1) | Page No.            | Select the page number you want to view.             |
| (2) | Log Per Page        | Select the number of log entries displayed per page. |
| (3) | Login ID / Panel ID | Shows the login ID or panel ID.                      |
| (4) | Name                | Shows the user name or panel name.                   |
| (5) | Logged At           | Shows the date and time of each entry.               |
| (6) | Message             | Shows the result.                                    |

## ■ Outputting a system log (TXT format / CSV format)

You can output a system log in TXT format or CSV format.

**1** Click  in the system log area.

**2** Select and save the button for the desired file format.

|                                                                                   |               |
|-----------------------------------------------------------------------------------|---------------|
|  | Export to TXT |
|  | Export To CSV |

**Player**

# Receiving Schedules and Displaying Programs

The following explains the settings of the player device that are used when schedules and programs are distributed from the management PC.

## Client Scheduler

Client Scheduler is used on the player device.

Client Scheduler reads received schedules and manages Program Viewer to display specified programs at the specified time.

### ■ Launching Client Scheduler

Client Scheduler is automatically launched by “Startup” when Windows launches.

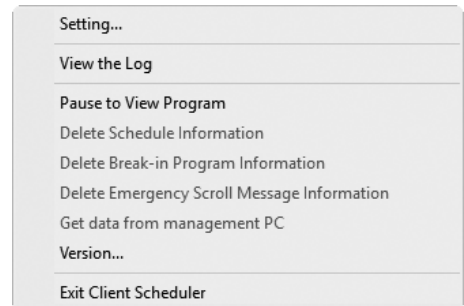
When Client Scheduler launches, an icon (  ) appears and resides permanently in the task tray.

### ■ Client Scheduler menu

#### TIPS

- In USB distribution, Client Scheduler is not used.

Use the menu that opens when the icon in the task tray is right-clicked to perform the following actions:



### Setting

Click the [Setting] menu to display the [Setting of Client Scheduler] dialog box. The tabs in this dialog box contain the following settings:

#### [Program Viewer] tab

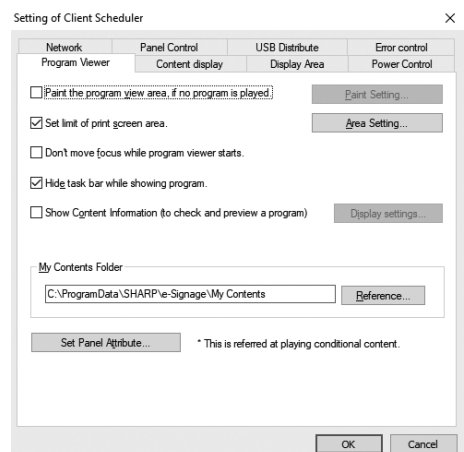
Configure detailed settings for Program Viewer.

- **“Paint the program view area, if no program is played” checkbox**

Select this checkbox to display content even when there are no programs to display. To set the displayed content, click [Paint Setting].

- **“Dark blue” option button**

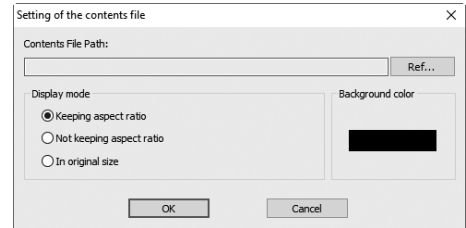
Show the area specified by the [Display area] settings in dark blue.



- **“Content file” option button**

Click [Setting], and set the content file path, display mode, and background color in the [Setting of the contents file] dialog box.

- (1) Click [Ref], and select the desired content file. You can select any file format that is supported by e-Signage S.
- (2) For the “Display mode”, select the “Keeping aspect ratio”, “Not keeping aspect ratio”, or “In original size” option button.
- (3) Set the “Background color”.



- **“Program” option button**

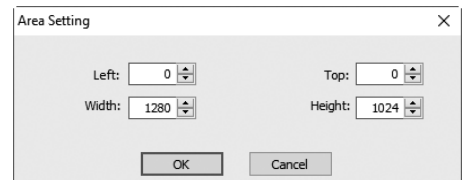
Click [Import], and select an existing program. Programs that have been exported with Program Editor can be selected.

- **The area set in the [Display area] field will be the display area (except when a program is specified).**

- **“Set limit of print screen area” checkbox**

When multiple screens are output by a player device, using the screen capture function will capture the entire desktop. Select this checkbox to capture only part of the screen output.

Click [Area Setting] and specify the area you want to capture.



- **“Don’t move focus while program viewer starts” checkbox**

This checkbox is usually left unselected.

Select this checkbox if you do not want the Program Viewer focus to move when launching Program Viewer.

- **“Hide task bar while showing program” checkbox**

When this checkbox is selected, the task bar is hidden when Program Viewer is launched and reappears when Program Viewer is exited.

- **“Show Content Information (to check and preview a program)” checkbox**

Select this checkbox to show content information (display coordinates, playing time, etc.) while a program is playing. Select this checkbox to check playback of content.

Click [Display Settings] to configure settings for the content information display position and size, and whether scroll messages are forcibly changed when the playback duration elapses. If e-Signage S Player A1 data will be played on a computer, content playback information will not be displayed.

- **“My Contents Folder”**

Enter the path of the folder in which content distributed in advance is saved.

The default path is as follows:

My Contents folder: C:\ProgramData\SHARP\e-Signage\My Contents

- **[Set Panel Attribute]**

You can set the panel attributes of the player device. Attributes that can be set are “Panel name”, “Group” and “Comment.” This setting is used to play different content on each panel during conditional content playback.

## [Content display] tab

Use this tab to set content display details.

- **“Smooth contents change” checkbox**

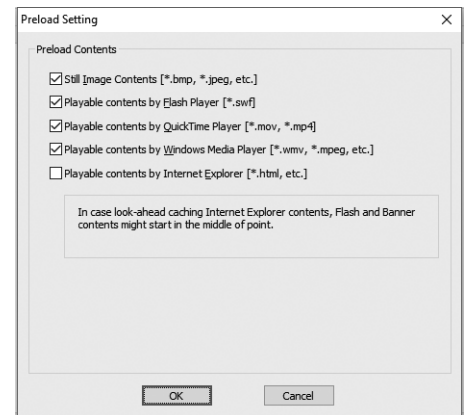
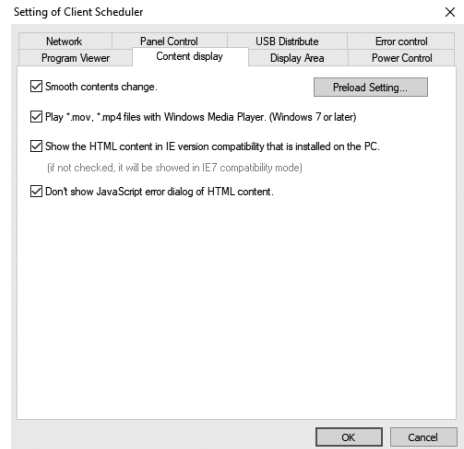
Select this checkbox to transition smoothly from one content item to the next by preparing for playback of the subsequent item before the current item ends.

Also select this checkbox when you need to synchronize the display of content between frames.

To set content to be preloaded, click [Preload Setting].

### TIPS

- Using “Smooth contents change” will increase the load on the CPU and the amount of memory used. It is recommended that tests be conducted by actually displaying programs before operation.
- If content that can be played in Internet Explorer is preloaded, Flash content and banners embedded in the content may start from the middle.
- Preloading is not performed on the e-Signage web browser.



- **“Play \*.mov, \*.mp4 files with Windows Media Player. (Windows 7 or later)” checkbox**

This checkbox can be selected in Windows 7 or later. Select this checkbox to play files with the extension ".mov" or ".mp4" on Windows Media Player.

- **“Show the HTML content in IE version compatibility that is installed on the PC” checkbox**

Set the compatibility mode when playing HTML content in Internet Explorer. Check this box to display HTML in a way that is compatible with the version of Internet Explorer installed on the PC.

- **“Don't show JavaScript error dialog of HTML content” checkbox**

Select this checkbox to prevent error dialog boxes from being displayed if a JavaScript error occurs when HTML content is displayed.

## [Display Area] tab

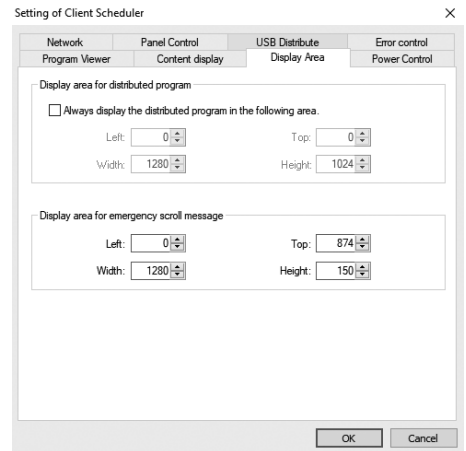
- **“Display area for distributed program”**

When the display area of the program is different from the resolution of the panel, this tab allows you to display the program regardless of the display area set for the program.

Select the “Always display the distributed program in the following area” checkbox and set the area in which the program is to be displayed.

- **“Display area for emergency scroll message”**

In SHARP e-Signage S Standalone Edition, this field is not used.



## [Power Control] tab

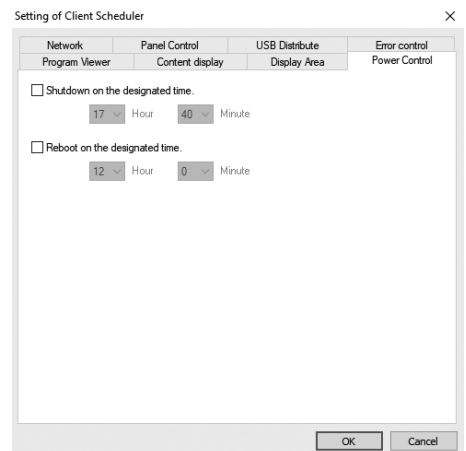
Manages power on player devices currently being configured.

- **“Shutdown on the designated time” checkbox**

Select this checkbox to turn off the player device at the specified time.

- **“Reboot on the designated time” checkbox**

Select this checkbox to restart the player device at the specified time.



## [Network] tab

In SHARP e-Signage S Standalone Edition, this tab is not used.

## [Panel Control] tab

Select the panel control method (RS-232C/LAN/USB).

### TIPS

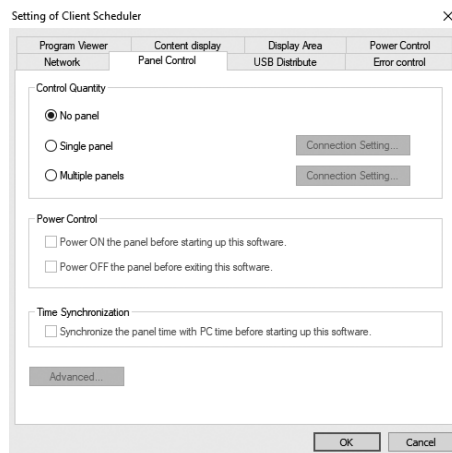
If you set this to a value other than “No panel”, it may take a long time to access the panel when starting or exiting Client Scheduler if the setting is not correct.

- **“No panel” option button**

Panels will not be controlled.

- **“Single panel” option button**

Click [Connection Setting] and select the panel control method (RS-232C/LAN/USB).



- **[Connection Setting]**

From the “Connecting Interface” option button, select and set “RS-232C”, “LAN”, or “USB”.

| Setting |                         | Description                                                                                             | Default |
|---------|-------------------------|---------------------------------------------------------------------------------------------------------|---------|
| RS-232C | COM port                | COM1 to COM256                                                                                          | COM1    |
|         | Baud Rate               | 9600, 19200, 38400, 115200                                                                              | 9600    |
| LAN     | Host name or IP address | Enter up to 32 alphanumeric characters for the host name or IP address of the panel to be controlled.   | -       |
|         | Data port               | Enter a data port number between 1025 and 65535 for the panels to be controlled.                        | 10008   |
|         | User name               | If a user name has been set for the panel to be controlled, enter up to 8 characters for the user name. | -       |
|         | Password                | If a password has been set for the panel to be controlled, enter up to 8 characters for the password.   | -       |
| USB     |                         | -                                                                                                       | -       |

- **[Test connection]**

Check the connection to confirm that the panel can be controlled.

After the connection is established successfully, the model name of the panel is acquired and displayed.

Operate the panel with the panel power turned on.

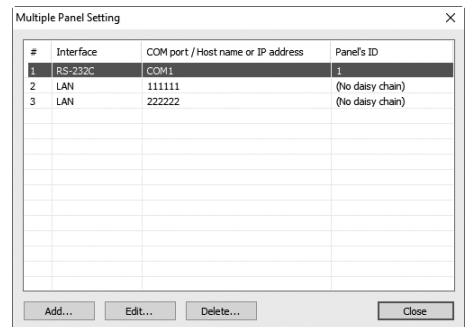
- **“Multiple panels” option button**

You can register and control up to 25 panels.

- **[Connection Setting]**

A list of connected panels appears when you click [Connection Setting].

The first time you use this function, click [Add] to add panels to the list.



| Setting    |                         | Description                                                                                                    | Default          |
|------------|-------------------------|----------------------------------------------------------------------------------------------------------------|------------------|
| RS-232C    | COM port                | COM1 to COM256                                                                                                 | COM1             |
|            | Baud Rate               | 9600, 19200, 38400, 115200                                                                                     | 9600             |
| LAN        | Host name or IP address | Enter up to 32 alphanumeric characters for the host name or IP address of the panel to be controlled.          | -                |
|            | Data port               | Enter a data port number between 1025 and 65535 for the panel to be controlled.                                | 10008            |
|            | User name               | If a user name has been set for the panel to be controlled, enter up to 8 characters for the user name.        | -                |
|            | Password                | If a password has been set for the panel to be controlled, enter up to 8 characters for the password.          | -                |
| USB        |                         | -                                                                                                              | -                |
| Panel's ID |                         | When panels are connected in a daisy chain, select an ID to identify each panel.<br>(No daisy chain), 1 to 255 | (No daisy chain) |

- **“Power ON the panel before starting up this software” checkbox**  
Select this checkbox to turn on the panel when Client Scheduler launches.
- **“Power OFF the panel before exiting this software.” checkbox**  
Select this checkbox to turn off the panel when Client Scheduler is exited.
- **“Synchronize the panel time with PC time before starting up this software” checkbox**  
Select this checkbox to synchronize the panel clock to the time on the player device when Client Scheduler launches.
- **[Advanced]**
  - **“If a panel is not connected at startup, subsequent communication is not performed” checkbox**  
When this checkbox is selected, no further communication will be performed if a connection cannot be established with the panel at startup.
  - **“Allow LAN connected panel to process daisy chain communication.” checkbox**  
When panels are connected by RS-232C in a daisy chain connection, select this checkbox only if the first panel only is connected by LAN. This will enable the following panels in the daisy chain to be controlled by specifying an ID.

### [USB Distribute] tab

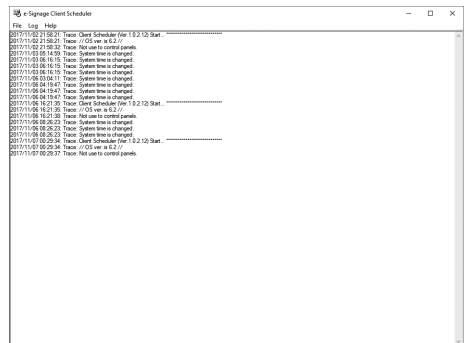
In SHARP e-Signage S Standalone Edition, this tab is not used.

### [Error control] tab

For service technicians only. Not used for normal operation.

## Displaying the log

Click [View the Log] to display the log of Client Scheduler actions. The log can be cleared and updated.

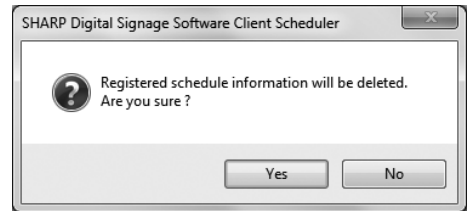


## Pausing a program

Click [Pause to View Program] to pause the currently displayed program.  
A checkmark will appear to the left of this item. Click [Pause to View Program] again to resume the program.

### Deleting Schedule Information

Click [Delete Schedule Information]. A confirmation message will appear. Click [Yes] to delete all schedule information currently saved in Client Scheduler.



### Deleting Break-in Program Information

In SHARP e-Signage S Standalone Edition, this tab is not used.

### Delete Emergency Scroll Message Information

In SHARP e-Signage S Standalone Edition, this tab is not used.

### Get data from management PC

To receive distribution data from the management PC, click [Get data from management PC]. This function can only use PULL type distribution.

### Version information

Click [Version]. The [Version] dialog box of Client Scheduler will appear.

#### TIPS

You may be asked to provide version information if you contact SHARP for help with a problem with e-Signage S.

### Exiting Client Scheduler

To exit Client Scheduler, click [Exit Client Scheduler]. Normally you should not exit Client Scheduler.

# Program Viewer

Program Viewer is used on the player device.  
Program Viewer displays programs based on schedules loaded by Client Scheduler.

## TIPS

- To pause a program, right-click the Client Scheduler icon. In the menu that appears, click [Pause to View Program].
- To change advanced settings for Program Viewer, right-click the Client Scheduler icon, and in the menu that appears, click [Setting]. Settings can be adjusted in the [Setting of Client Scheduler] dialog box that opens. (🔍 Page 87)
- After new schedules are sent, old schedules are no longer needed. Unneeded schedules and their associated content will be automatically deleted the next time Client Scheduler starts.

# e-Signage S Player A1 settings

Configure e-Signage S Player A1 settings.

## ■ e-Signage S Player A1 settings window

### Displaying the settings window

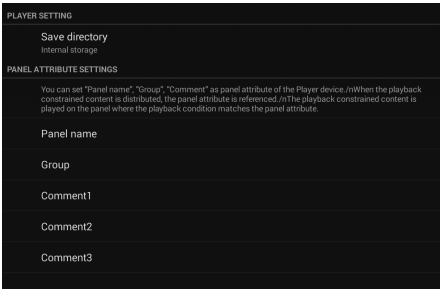
- 1
- Right-click twice anywhere on the screen. Or, press twice the [RETURN] key on the remote control unit.

The settings window appears.

### Description of the settings window

- CONFIGURATION

| [Player setting] tab     |                                                      |  |
|--------------------------|------------------------------------------------------|--|
| PLAYER SETTING           |                                                      |  |
| Save directory           | Select the storage destination for received content. |  |
| PANEL ATTRIBUTE SETTINGS |                                                      |  |
| Panel name               | Set a panel name for the player device.              |  |
| Group                    | Set a group for the player device.                   |  |
| Comment 1 to 3           | Enter comments regarding the player device.          |  |



## [Network setting] tab

### DISTRIBUTION

|                             |                                      |
|-----------------------------|--------------------------------------|
| Content distribution method | Set the content distribution method. |
|-----------------------------|--------------------------------------|

### FTP SETTING

|             |                                                           |
|-------------|-----------------------------------------------------------|
| Port number | Enter a value between 1024 and 32000.<br>(Default: 2121)  |
| User name   | Enter up to 30 alphanumeric characters.<br>(Default: ftp) |
| Password    | Enter up to 30 alphanumeric characters.<br>(Default: ftp) |

### HTTP SETTING

|                        |                                                                                                                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hostname or IP Address | Enter the host name or IP address of the management PC.                                                                                                                                                   |
| Port number            | Enter a value between 1 and 65535.<br>Set the port number to be used by HTTP protocol.<br>If the management PC or network has a firewall, set the firewall to allow communication using this port number. |
| User name              | Enter up to 30 alphanumeric characters.<br>(Default: http)                                                                                                                                                |
| Password               | Enter up to 30 alphanumeric characters.<br>(Default: http)                                                                                                                                                |

### PLAYER ID

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| Tenant ID                 | Set a tenant ID.                                                                          |
| Get Tenant ID from server | Retrieve the tenant ID from the tenant name.                                              |
| Player ID                 | Set the player ID. Enter a text string consisting of 2 to 30 characters beginning with @. |

### CONNECTION CONFIRM

|                                                |                                                                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Connect to Management PC                       | Test the connection with the management PC.                                                                           |
| Device info register / update to Management PC | Register player device information (distribution type, player ID, FTP information, MAC address) on the management PC. |

**DISTRIBUTION**

Content distribution method  
HLS type registration

**FTP SETTING**

Port number  
2121

User name  
ftp

Password  
\*\*\*

**HTTP SETTING**

Hostname or IP Address

Port number  
80

User name  
http

Password  
\*\*\*\*

**PLAYER ID**

Tenant ID  
group1

Get Tenant ID from server

Player ID  
@

**CONNECTION CONFIRM**

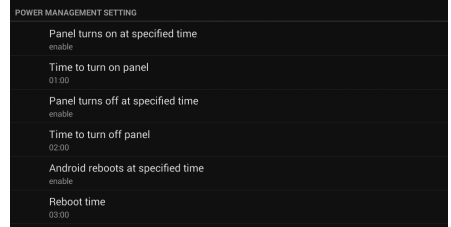
Connect to Management PC  
Connection Check to Management PC

Device info register/update to Management PC  
Register Device ID to Management PC

## [Power management setting] tab

### POWER MANAGEMENT SETTING

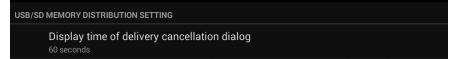
|                                   |                                                              |
|-----------------------------------|--------------------------------------------------------------|
| Panel turns on at specified time  | Select “enable” to turn on the panel at the specified time.  |
| Time to turn on panel             | Set the time at which the panel will turn on.                |
| Panel turns off at specified time | Select “enable” to turn off the panel at the specified time. |
| Time to turn off panel            | Set the time at which the panel will turn off.               |
| Android reboots at specified time | Select “enable” to restart Android at the specified time.    |
| Reboot time                       | Set the time at which Android will restart.                  |



## [USB/SD memory distribution setting] tab

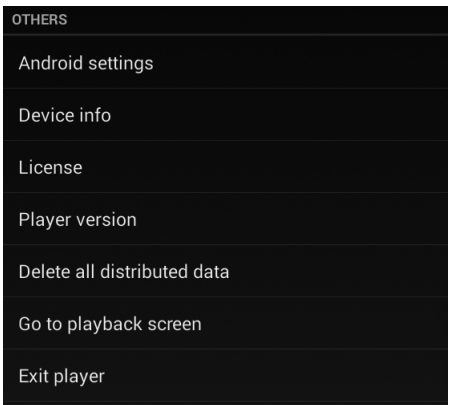
### USB/SD MEMORY DISTRIBUTION SETTING

|                                              |                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------|
| Display time of delivery cancellation dialog | Set the time that the dialog box to cancel distribution is displayed. |
|----------------------------------------------|-----------------------------------------------------------------------|



## • OTHERS

|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| [Android settings] tab            | Configure Android OS settings.                                  |
| [Device info] tab                 | Shows the MAC address and IP address of player devices.         |
| [License] tab                     | Shows license information used for e-Signage S Player A1.       |
| [Player version] tab              | Shows the version of e-Signage S Player A1.                     |
| [Delete all distributed data] tab | Delete all data that has been distributed to the player device. |
| [Go to playback screen] tab       | Start playback of signage.                                      |
| [Exit player] tab                 | Close the player.                                               |



# Key/Mouse Linkup

This section explains how to change displayed programs using your keyboard or mouse.

## Key/Mouse Linkup Tool window

### ■ Launching Key/Mouse Linkup Tool

- 1 From the Windows Taskbar, click [Start] - [All Programs] - [SHARP e-Signage S Tools] - [Key-Mouse Watcher].

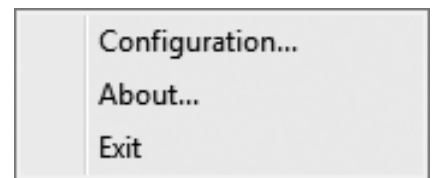
Key/Mouse Linkup Tool launches and an icon (  ) appears and remains permanently in the task tray.

#### TIPS

- To have Key/Mouse Linkup Tool automatically start when the computer is started, add Key/Mouse Linkup Tool to Windows Startup.

### ■ Key/Mouse Linkup Tool menu

The following actions can be performed from the menu that opens when the icon in the task tray is right-clicked.



#### Configuration

Set the operation mode of Key/Mouse Linkup Tool.

- **“Disable” option button**  
Disable Key/Mouse Linkup Tool.
- **“Screen Saver Mode” option button**

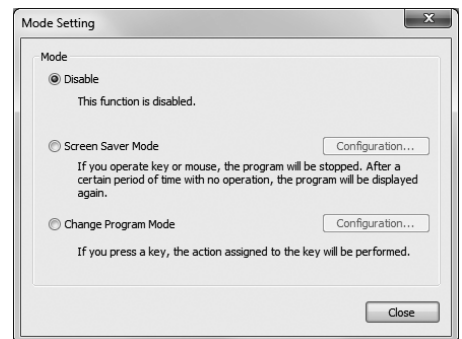
Temporarily stop display of a program when a keyboard or mouse operation is performed.

If the keyboard or mouse is not used for a certain period of time, the distributed program is displayed.

Click [Configuration] to configure the following settings.

#### Time to restart program after last key event

You can also restart a program by pressing the [Ctrl], [Alt], and [V] keys.

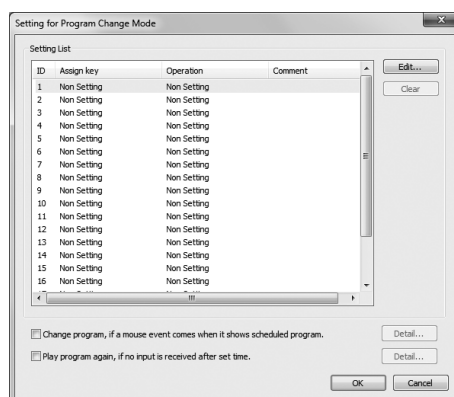


- **“Change Program Mode” option button**

By assigning an action to a combination of keys, you can perform the action by pressing the keys.

Up to 20 actions can be assigned.

Click [Configuration], and set the key assignments and action.



(1) Click the item you want to edit and click [Edit].

The [Assign for] dialog box will appear.

(2) Set each item.

- “Key Setting”

Set the combination of keys you want to register.

- “Operation”

Set the action the keys will execute.

- If you selected “View preset program”, specify the ID number of the preset program you want to display in “ID of preset prg.”.

If the preset program has not been imported, specify the ID number and import the program.

1) Enter the ID number in “ID of preset prg.”.

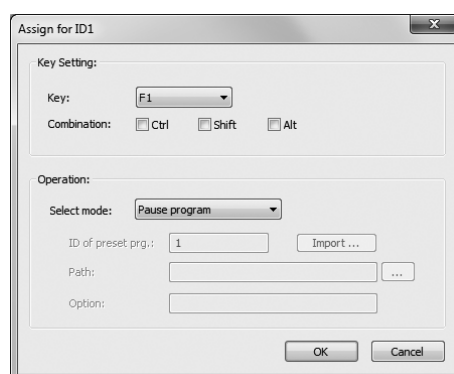
2) Click [Import].

3) Specify the exported program data and click [Open].

The program is imported to the specified preset number ID.

- If you selected “Run application”, enter the path of the application to be run in “Path.” It is also possible to enter “Option.”

(3) Click [OK].



#### TIPS

- If the same keys are assigned to different IDs, the assigned action is performed in ascending order of the IDs.
- If the [Ctrl] key is pressed when PowerPoint Viewer is launched, PowerPoint content will not be displayed in the correct position. Be aware of this when displaying a program containing PowerPoint content.

- **“Change program, if a mouse event comes when it shows scheduled program” checkbox**

Select this checkbox to assign actions to mouse operations so that the actions can be executed by operating the mouse.

(1) Click [Detail].

“Assign for mouse input” dialog box will appear.

(2) Set the items.

- **“Operation”**

Set the action of the registered mouse operation.

- If you selected “View preset program”, specify the ID number of the preset program you want to display in “ID of preset prg.”.

If the preset program has not been imported, specify the ID number and import the program.

1) Enter the ID number in “ID of preset prg.”.

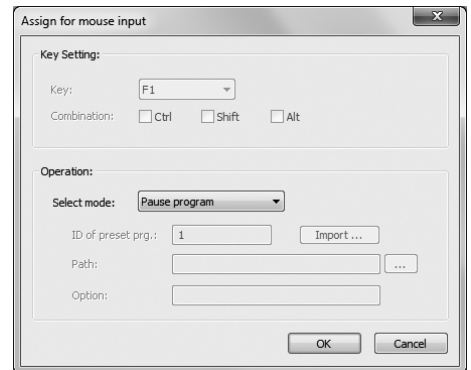
2) Click [Import].

3) Specify the exported program data and click [Open].

The program is imported to the specified preset number ID.

- If you selected “Run application”, enter the path of the application to be run in “Path.” It is also possible to enter “Option.”

(3) Click [OK].



### TIPS

- The assigned action cannot be executed while a preset program is being displayed.

- **“Play program again, if no input is received after set time” checkbox**

When this checkbox is selected, a normal program will resume if no key or mouse actions are performed for a certain period of time.

(1) Click [Detail].

The “Configuration for Restart Program” dialog box will appear.

(2) Set each item.

- “Time to restart program after last key event”

Set the period of time before program display is resumed.

- “Restart program from beginning even if playing” checkbox

Select this checkbox to play from the beginning of the program if no time is designated or there is no key or mouse input. The program will be played from the beginning even when the program is playing according to the schedule.

- “Execute an application when the program restart” checkbox

If you selected this checkbox, enter the path of the application to be executed in “Path.” You can also enter “Option.”

(3) Click [OK].



## About

Displays the version of Key/Mouse Linkup Tool.

## Exit

Exit Key/Mouse Linkup Tool.

**SDSS**

# SDSS Launcher

The previous generation of e-Signage S is “SHARP Digital Signage Software (SDSS)” digital signage software. A compatibility tool is installed that can be used if you previously used SDSS for signage operation or will use SDSS software to create programs or schedules.

Use SDSS Launcher to create signage widget content files and schedules in SDSS format.

From the taskbar, click [Start] - [All Programs] - [SHARP e-Signage S Compatible Tools] - [SHARP Digital Signage Software].

Add a signage widget content file you have created to the content folder (“Media” folder), and use the file from this folder.

Use the scheduler editor launched from SDSS Launcher to upload schedules in SDSS format to the management PC. “Configuration of WEB Server and Login Information” is necessary for uploading SDSS format schedule. If the PC on which the SDSS launcher is running and management PC are the same PC, specify “localhost” as “Host name or IP address” in “Configuration of WEB Server and Login Information”. For information on using SDSS Launcher, see the SDSS operation manual.

# Appendix

# License information for this product

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## Software components

This product consists of multiple independent software components for which our company and third-parties own copyrights. Some software components are distributed as free software and for which third-parties and other related laws. Regarding free software, requests for the source code are sometimes received subject to the condition that the software components be distributed in executable format. For the methods for obtaining the source code of free software and to view the licenses, visit the following Web site.

[http://www.sharp.co.jp/business/lcd-display/support/download/source\\_e.html](http://www.sharp.co.jp/business/lcd-display/support/download/source_e.html)

