SHARP®

SHARP Digital Signage Software Pro
WEB Server Version

Version 4.7

PN-SW05
PN-SP05

OPERATION MANUAL

Contents

Introduction

Precautions on use 6
Trademarks 7
How to read this manual 7
- Icons 7
- Notation 7

Definitions 8
System operation precautions 8
Features of SHARP Digital Signage Software Pro WEB Server Version 11
Program distribution workflow 12

Installing/Launching

Required operating environment 13
- Server Version (Management PC) 13
- Client Version (Operation PC), Viewer Version (Viewer PC) 13

Distribution Type 14
Installing SHARP Digital Signage Software Pro WEB Server Version 15
- Setting the environment of the viewer PC 17

Uninstalling SHARP Digital Signage Software Pro WEB Server Version 27

Setting Up a Server

Setting Up a WEB Server (Initial Setup Wizard) 28
Setting Up a WEB Server (Management Tool) 31
- Adding a tenant 31
- Setting up HTTP Server 32
- Setting the automatic logout time 33
- Registering your license 33
- Distribution Scheduler 33
- Enabling the approval feature 34
- Registering a supervisor 34
- Deleting all supervisors 34

WEB Client

Launching and closing the Launcher window

Launching and closing the Launcher window 36
- Launching the Launcher window 36
- Closing the Launcher window 36
- The Launcher window 36

Creating/Editing Programs

The main Program Editor window 38
- Launching Program Editor 38
- The main Program Editor window 38

Creating programs 41
- Valid content files 41
- Positioning content (Layout) 42
- Setting the background/frames 1-4 45
- Setting the scroll message 49
- Setting audio and music 55
- Setting the PIP window 56
- Saving a program 56
- Opening a program 58

- Checking a program ... 58
- Deleting a program ... 59
- Displaying program properties ... 60
- Importing/exporting a program ... 60

Setting Information for logging in to the management PC ... 62
- Entering the login information ... 62

Uploading/Downloading Programs, Content and Scroll Messages ... 63

Deleting Programs, Content and Scroll Messages on the Server ... 65

Signage Widgets ... 66
- Launching and closing the signage widget launcher ... 66
- Analog Clock Editor ... 67
- Digital Clock Editor ... 70
- RSS Editor ... 73
- SNS Message Editor ... 77
- Weather Forecast Editor ... 81

Conditional Content

Basic Screens for Conditional Content Editor ... 84
- Launching Conditional Content Editor ... 84
- Basic Screens for Conditional Content Editor ... 84

Creating Conditional Content ... 86
- Compatible Content File Formats ... 86
- Configuring Conditional Contents ... 86

Creating/Editing Timetables

The main Timetable Editor window ... 92
- Launching Timetable Editor ... 92
- The main Timetable Editor window ... 92

Creating a timetable ... 94
- Registering a program in the timetable ... 94
- Registering panel control in a timetable ... 95
- Adjusting a timetable ... 96
- Saving a timetable ... 97
- Opening a timetable ... 98
- Checking a timetable ... 98
- Deleting a timetable ... 99
- Changing timetable name and timetable color ... 99
- Importing/exporting a timetable ... 100

Creating/Editing Schedules

The main Schedule Editor window ... 102
- Launching Schedule Editor ... 102
- The main Schedule Editor window ... 102

Creating a schedule ... 105
- Registering a timetable in the schedule ... 105
- Saving a schedule ... 107
- Opening a schedule ... 107
- Deleting a schedule ... 108
- Changing schedule name ... 108
- Importing/exporting a schedule ... 108
- Uploading/downloading a schedule ... 110
- Deleting a schedule on the server ... 112

WEB Server

Logging In

Logging In to WEB Server 114
Logging in to the Web Server (logging in as a supervisor) 115
Explanation of the Server Window 116
- Setting a filter 117
- Configuring the settings in Show / Hide Menu Tabs and changing the password 118

Panel Management

Managing panels 119
- Opening the Panel Management window 119
- The main Panel Management window 119
- Adding/editing a panel 120
- Registering a panel (viewer PC) for data request 122
- Adding/editing a panel group 122
- Deleting a panel or panel group 123
- Registering the FTP settings default values for adding a panel 123

Option 124
- Launching Option 124
- Checking version information 124
- Setting up Web Server 125
- Setting associations for program preview files 126
- Displaying a confirmation dialog box when the distribution data size is greater than 2 GB 126

Distributing

Schedule Distribution 127
- Distributing a schedule 130
- Downloading and previewing a program 132

Distribution Status 133
Panel Status 135
Emergency Distribution 137
- Break-in Program 137
- Distributing break-in programs and stop commands 138

Emergency Scroll Message 141
- Distributing emergency scroll messages and stop commands for scroll message 143
- Deleting the uploaded data 144

Management

Status Monitoring 145
- Controlling the viewer PC and the panel 148
- Retrieving system files 148
- Configuring the status monitoring settings 149

Panel Information 149

User Management

The Main User/User Group Management window 150
- Main User Management window 150
- Main User Group Management window 151

Creating a user 152

Creating a user group 153
- Deleting a user or user group 154

Checking the operation history 155
- Outputting the operation history to a text file 155

Viewer Update

Updating Viewer 156
- Distributing an updater 157
- Distributing preset programs/default programs 158
- Distributing contents in advance 159
- Distributing system settings files (for service persons) 160
- Uploading a system file 160
- Distributing panel attributes 161

Viewer

Schedule Reception/Program Display

FTP Server 163
- Launching the FTP Server 163

Client Scheduler 164
- Launching Client Scheduler 164
- Client Scheduler menu 164

Distributing content directly by using USB memory or another external storage device 173

Program Viewer 174

Key/Mouse Monitoring

Key/Mouse Monitoring Tool Window 175
- Launching the Key/Mouse Monitoring Tool window 175
- Key/Mouse Monitoring Tool menu 175

Introduction

Thank you for purchasing SHARP Digital Signage Software Pro WEB Server Version.
SHARP Digital Signage Software Pro WEB Server Version comes in two versions: the Server and Client Versions.
You must also have the SHARP Digital Signage Software Viewer Version installed on the PC on which content is viewed (viewer PC).
This manual covers all three versions: SHARP Digital Signage Software Pro WEB Server Version and Client Version, and Digital Signage Viewer Version.Where editions differ in terms of usage restrictions and functionality, this fact is clearly indicated.

IMPORTANT:
To aid reporting in case of loss or theft, please record the product's model and serial numbers in the space provided.

Model No.:

Serial No.:

U.S.A. ONLY

Precautions on use

- This product is subject to exacting quality control and product inspection before shipment. In the unlikely event that a failure or malfunction occurs, contact your retailer.

- Please note that SHARP CORPORATION bears no responsibility for any failure, malfunction, or damages due to improper use of this product by the customer or a third party, except where indemnity liability is recognized under law.

- Under copyright law, the use of this product to duplicate, edit or otherwise alter copyrighted material is only permitted in cases where such duplicated or edited material is for individual or home use.
  If material is duplicated and/or edited beyond this scope, and if such duplicated or edited material is used, (except in cases where the user themselves holds the copyright for the object of the duplicated material or where the user has received permission from the copyright holder), this will constitute a violation of copyright law and may lead to the copyright holder or other parties claiming compensation for damages. Such use should therefore be strictly avoided.
  When using photo image data, DVD images, TV broadcasts or similar material with this product, the above uses that constitute copyright violation should, naturally, be strictly avoided. Using, modifying, or otherwise altering images of other people without permission constitutes a violation of portrait rights, and should also be strictly avoided.

- When showing TV, DVDs, or similar copyrighted programs and/or material you must obtain the permission of the copyright holder or copyright holders.

- Transcribing or duplicating part or all of this manual and/or this software without permission from our company is not permitted.

- As a part of our policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice.

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- Twitter is either a trademark or registered trademark of Twitter, Inc.

Names of products and other proper nouns are the registered trademarks or trademarks of their respective copyright holders.

How to read this manual

This manual describes SHARP Digital Signage Software Pro WEB Server Version 4.7.

● Icons

	indicates reference information, related details, and restrictions.
☞	indicates pages that contain related information.

● Notation

- **Keyboard keys are indicated with square brackets.**
  E.g. [Shift], [Ctrl], etc.
- **Menus, windows, dialog boxes, buttons, and tabs etc are indicated with square brackets.**
  E.g.
  1. **From the [Option] menu click [Setting].**
     The [Setting] dialog box will appear.
- **Items, check boxes, and option buttons, etc., are indicated with double inverted commas.**
  E.g. “X”, “Preset Screen Size” option button, etc.
- **This manual assumes that this product has been installed in the following location.**
  If you have installed the software in a different location, this can be interpreted to refer to the folder where you installed it.
  C:\Program Files\SHARP\SHARP Digital Signage Software (default)
- **The screenshots and operational procedures in this manual are only examples.**
  These may change depending on your monitor, screen settings, or the version of the OS you are using and other factors.
  The content files and fonts in this manual are only examples. Not all of these are included with this software.
- **This manual does not contain basic operating instructions for Windows.**
- **When information common to the SHARP Digital Signage Software Pro WEB Server Version and SHARP Digital Signage Software Pro WEB Client Version is described, only SHARP Digital Signage Software Pro WEB Server Version is indicated in this manual.**

Definitions

This chart provides definitions of terms used in this manual.

Term	Definition
Management PC	The PC that is used to create and distribute programs, timetables and schedules. Also referred to as a “Server PC”.
Operation PC	A PC that is used to create programs, timetables and schedules, upload them to the server PC, and instruct distribution.
Viewer PC	A PC that displays content according to a schedule. Also referred to as a “Panel PC” or a “Client PC”. “Panel” refers to an LCD monitor connected to a viewer PC.
Content (files)	Material (i.e. files) such as movies, still images, and audio files that are played on the panel. These are usually prepared by the user.
Playlist	A list that plays multiple content in a desired order. Contains information such as content data, order of play, and duration, etc.
Frame	Refers to a sub-screen that is used as a display unit when a single panel is divided into multiple frames.
Scroll message	A scrolling message. Up to two scroll messages can be displayed.
Program	Programs consist of a frame layout, multiple frames and their assigned playlist information, scroll message information, etc.
Signage widgets	These widgets can be pasted and displayed in the background or in frames 1-4. The following signage widgets are available: analog clock, digital clock, RSS, SNS message, and weather forecast.
RSS feed	Data that structures web site headlines and summaries.
Timetable	Timetables contain information regarding the order and duration of play for multiple programs that have been assigned to a one-day time frame.
Schedule	Schedules contain multiple timetables assigned to desired dates of play.
Attached files	The collective term for the image files, etc, which are required when displaying HTML files, etc.
Assign	This refers to determining which data (schedule, break-in program, emergency scroll message and updater) should be distributed to which panel.
Confirm distribution	This refers to finalizing the assignment. This starts distribution of the data to the panel.
Tenant	A virtual database generated in SDSS WEB server, with which you can manage information like User, Viewer PC, Schedule, Program and so on each Tenant.
Supervisor	An administrative supervisor capable to access information across all the Tenants

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 PC does not have sufficient processing power, content may not be played correctly.

- Movie players
  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).



- Codecs and player software may need to be installed depending on the content to display.
  For codecs and software whose operations have not been demonstrated on the installed OS, check the operations prior to installation.

- 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 movies
  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 also be created using the same image size as the display size.
- Still image switching
  Using still image switching will increase the load on the CPU. Its effect is dependent on the performance of the video card.
- Scroll message content
  Displaying scroll messages requires a great deal of 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 PC. Do not make the scroll message display area unnecessarily large.
  · If there are a lot of characters in a scroll message line, display may become distorted. If this occurs, start a new line. (Up to 100 characters per line recommended.)
- PowerPoint
  Set PowerPoint data so that it plays repetitively by setting slide transition to advance slides automatically (automatic slideshow).
  PowerPoint Viewer is not capable of simultaneous multiple display. Do not assign PowerPoint files to multiple frames in the same program.
  When PowerPoint content is displayed, you cannot use the mouse or another tool to click other display frames.
  PowerPoint Viewer 2007/2010 is required. Even if you already have Microsoft PowerPoint 2007/2010 installed on your PC, you must make a separate installation of PowerPoint Viewer 2007/2010. If the 64-bit version of Office is installed on your PC, you will not be able to install PowerPoint Viewer.
  PowerPoint Viewer 2010 requires time to start playing files, especially when starting the first playback after starting up the PC. Make sure to give enough time for playback to start.
  Although it is possible to play files with a .pptx or .ppsx extension using PowerPoint Viewer 2007, it will take a while to start playback.
  It is recommended that files with a .ppt or .pps extension are used when playing on PowerPoint Viewer 2007.
- RSS feed
  When RSS feed content is displayed, you cannot use the mouse or another tool to click other display frames.
- Distribution data
  If the distribution data exceeds 2 GB, the management PC and the viewer PC must be upgraded to Version 4.3 or later.

Browser operation

When you launch the browser, log in to the management PC and perform operations such as distribution, do not use the [Back] key of the browser.
Doing so may make normal operation no longer possible.

Continuous operation of viewer PC

The viewer PC is not designed for continuous 24-hour-a-day operation. Be sure to reboot on the viewer PC every day. (Refer to Power Control on p.121)

Continuous operation of management PC

Continuous operation of the management PC should be no more than one week.

PC internal clock

This software executes schedules based on the PC's internal clock. You should ensure that your PC's internal clock is always accurate by synchronizing it with an internet time server or other means.

Accuracy of program display time

Program display is controlled by a timer that starts at 0 seconds every minute. Programs cannot be switched at intervals of less than 1 minute, or during a 1 minute interval (i.e. in intervals of less than 60 seconds).
Be aware that there may be some delay before content is actually displayed depending on the time taken to launch applications that display content and the time taken to load content files.

Backups

SHARP Digital Signage Software Pro WEB Server Version does not have a data backup function.You should make regular backup copies of the group date folder (under C:\ProgramData\SHARP\Digital Signage Software) during operation.

Daisy chain configuration

SHARP Digital Signage Software Pro WEB Server Version cannot send different panel control commands (monitor power supply ON/OFF and panel input commands) to SHARP LCD Monitors (PN Series) connected in a daisy chain. (Refer to Panel Management and Option, p.119)

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 or timetables, you should take measures such as changing still images and layouts at set intervals to avoid this problem.

Signage widgets

- An environment with an Internet connection is required for both the management PC and the viewer PC when displaying SNS Message and Weather Forecast Signage Widget and when using an RSS Signage Widget to display an RSS feed on the Internet.
- When displaying a Signage Widget, you cannot use a mouse or a similar device to click another frame.

SNS message signage widget

- The materials contained on the SNS Message Signage Widget are based on information provided by Twitter, Inc.
- All copyright and other intellectual property rights of any of the information on the SNS Message Signage Widget belong to rights holders who have authorized SHARP and the affiliates to use the information or third parties who have authorized the rights holders to use the information. Users agree not to reproduce, transfer, rent, translate, modify, reprint, make public transmissions (including making a work transmittable), distribute, publish, or use for business, etc.
- Please note that delays in providing information or suspension of SNS Message Signage Widget might happen due to maintenances, changes, suspension or termination of Twitter services.
- SHARP and the affiliates make no guarantee as to the accuracy, usefulness, reliability or security of the content of SNS Message Signage Widget. SHARP and the affiliates disclaims all responsibility for any loss or damage that may be incurred for any reason whatsoever as a result of accessing SNS Message Signage Widget, being unable to access SNS Message Signage Widget, or believing the content of SNS Message Signage Widget.

Weather forecast signage widget

- The materials contained on Weather Forecast Signage Widget are based on weather forecast data provided by OpenWeatherMap, Inc.
- Weather Forecast Signage Widget use the functions that are provided by OpenWeatherMap, Inc. and are supported by the Free and Startup contracts. The current weather and temperature and the 3-hour weather and temperature are displayed according to the template. This product does not comply with functions other than those listed above and that are supported by additional contracts (Developer, Professional, or Enterprise).

- Unknown factors may cause differences between weather forecasts and the actual weather conditions that later prevail. When you use Weather Forecast Signage Widget, therefore, we ask that you do so strictly for reference.
- Please note that delays in providing information or suspension of Weather Forecast Signage Widget might happen due to maintenances, changes, suspension or termination of services or observation devices.
- SHARP and the affiliates make no guarantee as to the accuracy, usefulness, reliability or security of the content of Weather Forecast Signage Widget. SHARP and the affiliates disclaims all responsibility for any loss or damage that may be incurred for any reason whatsoever as a result of accessing Weather Forecast Signage Widget, being unable to access Weather Forecast Signage Widget, or believing the content of Weather Forecast Signage Widget.

Features of SHARP Digital Signage Software Pro WEB Server Version

SHARP Digital Signage Software Pro WEB Server Version is SHARP's original content distribution and display software.

Easy-to-use user interface

Programs can be laid out in editable time schedules similar to newspaper TV guides or calendar-style monthly schedules.

Variety of display options and scroll message function

Frames with completely customizable layout (x4,) as well as backgrounds and scroll messages (x2) can be used. Vertical scroll messages are also supported, allowing effective expression and information display.

Reserved distribution function

Makes it possible to distribute reserved content over an LCD monitor network.

Monitor control and break-in distribution functions

Turn monitors on and off and distribute break-in programs during emergencies for smooth monitor control.

Taking charge of and managing multiple displays from multiple PCs/multiple sites

Distribution data is managed by the database on the WEB server.
In addition to centralized distribution from the headquarters, this allows more flexible use of the signage software; for example, data can be individually customized, distributed and displayed by each branch and store.

Operation using a Web browser is possible

Operation using a Web browser is possible, so access can be made from various PC environments, and even more complicated and larger systems can be run efficiently by a large number of people.

Program distribution workflow

This chart details the process from program creation to the stage where programs can be displayed on a panel.



Operation PC
(Client Version)

1 Create program

Lay out content prepared in Program Editor and create a program. (☞p.38)

2 Create timetable

Assign the hour of the day when a program created in Timetable Editor will be shown. (☞p.92)

3 Create schedule

Assign the dates when daily timetables you have created in Schedule Editor will be shown. (☞p.102)

4 Upload

Distribute schedules and programs you have created to a management PC connected to the network. (☞p.63, 110)

5 Distribution Schedule

Log in to the management PC using Internet Explorer and reserve distribution of the uploaded data to the viewer PC. (☞p.127)



Management PC
(Server Version)

Distributed via a network

6 Receive data

The FTP server passes schedules and programs it receives to Client Scheduler. (☞p.163)



Client Scheduler

Control Program Viewer so that it displays schedules and programs at a set time.

7 Program displayed

Program Viewer displays programs when instructed to do so by Client Scheduler. (☞p.174)





Viewer PC
(Viewer Version)

Installing/Launching

This section provides installation instructions and information regarding the necessary operating environment, as well as instructions on how to start and close down SHARP Digital Signage Software Pro WEB Server Version. Be sure to read this before using the software.

Required operating environment

● Server Version (Management PC)

Item	Description
CPU	Core 2 Duo processor 2.26 GHz or higher
OS	Microsoft Windows 7/8/8.1/10* (English version), Microsoft Windows Server 2008/2008 R2/2012/2012 R2 (English version)
Memory	2 GB or higher
Hard disk	80 MB or more free space (Additional space required for saving data)
Monitor	Full color display with resolution of at least 1280 x 1024
Interfaces	LAN port (TCP/IP communication must be functional)
Browser	Microsoft Internet Explorer 7.0 or laters

* Use the software in desktop mode.

● Client Version (Operation PC), Viewer Version (Viewer PC)

Item	Description
CPU	CPU: Celeron M 1.3 GHz or higher 2 GHz or higher Pentium 4 processor is required for movie/content-heavy programs.
OS	Microsoft Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10*1 (English version), Windows Server 2008/2008 R2/2012/2012 R2 (English version)
Memory	512 MB or higher
Hard disk	20 MB or more free space (Additional space required for saving data)
Monitor (for operation PC) *2	Full color display with resolution of at least 1024 x 768
Monitor (for viewer PC) *3	PN series LCD monitor LB-1085 *4, Touch Display (LL-P202V, LL-S242A)
Interfaces	LAN port (TCP/IP communication must be functional)
Browser	Microsoft Internet Explorer 7.0 or laters *5
Others	PowerPoint Viewer 2007/2010 Windows Media Player 9 or later Adobe Flash Player

If there are any environmental requirements for the OS to operate besides the above, they must also be met.
If the OS of the viewer PC is Windows Vista/Windows 7/Windows 8/Windows 8.1/Windows 10, disable the user account control of the viewer PC *6.

*1 Use the software in desktop mode.

*2 Display that is used for creating, editing, uploading and instructing distribution of programs and schedules.

*3 Used to display programs with the Standalone and Viewer Versions.
Panel control can be performed. To perform panel control, the viewer PC and the panel must be connected with an RS-232C cable or the panel must be connected to the LAN.
In case of the Touch Display, the viewer PC and the touch panel must be connected with a USB cable, and set the setting “Signage mode” “ON”. (please refer the operating manual of touch display).
For the specifications of the panel and its connection and setting methods, read the operation manual of your panel.

*4 To perform panel control with the LB-1085, perform a “Test connection” once with the SHARP Digital Signage Software Client Scheduler.
For details, refer to Viewer Version.

*5 To use the SNS message signage widget, Microsoft Internet Explorer 10 or later is required.

*6 How to disable user accounts on the viewer PC

In Windows Vista

(1) Select “User Accounts and Family Safety” in Control Panel.
(2) Select “User Accounts”.
(3) Select “Turn User Account Control on or off”.
(4) Remove the checkmark from “Use User Account Control (UAC) to help protect your computer”.

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 8/8.1/10

(Caution)
Note that when this setting is selected, the Windows Store application will not run.
After you install SHARP Digital Signage Software Viewer Version, you can turn off user account control from Client Scheduler.

(1) In Program Viewer, right-click the SHARP Digital Signage Software Client Scheduler icon and from the menu that appears, click [Setting] to display the [Setting of Client Scheduler] dialog box.
(2) Click the [UAC Settings] tab, and then click [Turn off User Account Control].
(3) A confirmation message will appear, so click [OK].
(4) The [User Account Control] dialog box will appear, so click [Yes].
(5) A message indicating that the user account control has been disabled will appear, so click [OK] to restart the PC.



- When controlling the viewer PC manually (when turning the panel PC on), the Wake On LAN function that operates by Magic Packets from the viewer PC must be enabled.
  If the viewer PC is outside the same LAN segment, Magic Packets may not get through depending on router specs/settings. Contact your network administrator for more details.
- You must have Flash Player, Windows Media Player and PowerPoint Viewer 2007/2010 installed on the operation PC and viewer PC.
  If you have not installed all of these programs, or have installed different versions of them, a message prompting you to install may appear. If this happens, download the appropriate programs from the relevant website and install them.
- Codecs and player software may need to be installed depending on the content to display.
  For codecs and software whose operations have not been demonstrated on the installed OS, check the operations prior to installation.

Distribution Type

Distribution Type	Protocol	Management PC	Viewer PC
PUSH type distribution (static IP address)	FTP	FTP client	FTP server
PUSH type distribution (dynamic IP address)	FTP HTTP	FTP client HTTP server	FTP server
PULL type distribution	HTTP	HTTP server	HTTP client

PUSH type distribution (static IP address)

Distribution data is provided via FTP from the management PC.Each viewer PC must have a static IP address assigned.
If a viewer PC resides inside a firewall, the firewall settings must be configured to allow distribution data to reach the viewer PC.

PUSH type distribution (dynamic IP address)

Distribution data is provided via FTP from the management PC.With this distribution type, there is no need for a static IP address, because each viewer PC notifies its IP address to the management PC at regular intervals using the HTTP protocol.
If a viewer PC resides inside a firewall, the firewall settings must be configured to allow distribution data to reach the viewer PC.

PULL type distribution

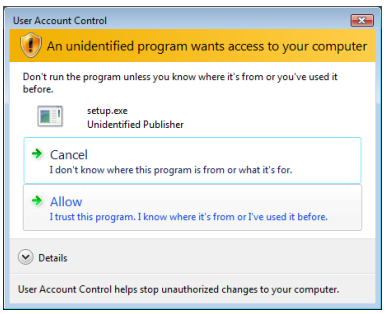
Each viewer PC retrieves distribution data from the management PC at regular intervals using the HTTP protocol. This distribution type allows a viewer PC inside a firewall to retrieve distribution data without having to change the firewall settings.

Installing SHARP Digital Signage Software Pro WEB Server Version

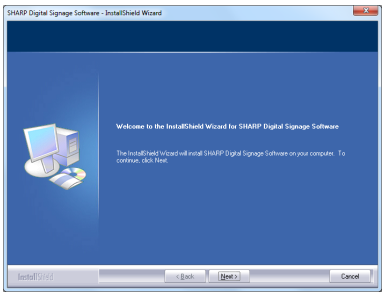
- You must log in as an administrator before beginning the installation process.
- You need a license code to install the Server Version and Viewer Version.
- If there is already a version of the SHARP Digital Signage Software Network Version or SHARP Digital Signage Software Pro installed on the PC, be sure to uninstall it first.

1. **Start your PC**
2. **Close down all applications.**
3. **Launch the SHARP Digital Signage Software setup program (setup.exe).**
   • Double-click the setup.exe file to launch the setup program.
   • If a security warning saying 'The publisher could not be verified.' is displayed during the installation, click [Run].

   If the [User Account Control] window appears, click [Allow] (for Windows Vista) or [Yes] (for Windows 7/8/8.1/10).

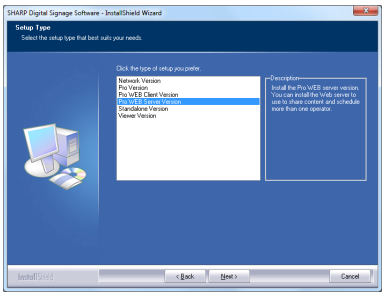


4. **In the [Welcome to the Install Shield wizard...] window, click [Next].**



5. **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. **Select the version to be installed in the Setup Type selection window, and click [Next].**
   - Server Version:
     Select “Pro WEB Server Version”.
   - Client Version:
     Select “Pro WEB Client Version”.
   - Viewer Version:
     Select “Viewer Version”.



8. **Enter the appropriate license code for the version to be installed, and click [Next].(For the Server Version and Viewer Version only)**
   A license code should be obtained in accordance with the steps described in the license certificate included with this product.

9. **Follow the instructions on the screen to complete installation.**

10. **If the restart dialog appears after installation is finished, click [Yes].**

If you input a temporary license code when installing the Server Version and Viewer Version, you will be able to use the software for a two-month trial period.
You should register the license code you obtained before the end of the trial period.
You can register the license code from [Help] - [Version] in Pro WEB Server Management Tool.

Once the installation is complete, configure the following settings.

- Viewer Version: Set the environment of the viewer PC (☞p.17).
- Server Version: Setting up a Server (☞p.28)

For operation after the setup, refer to the following.

- Server Version: WEB Server (☞p.113 to 161)
- Client Version: WEB Client (☞p.35 to 112)
- Viewer Version: Viewer (☞p.162 to 177)

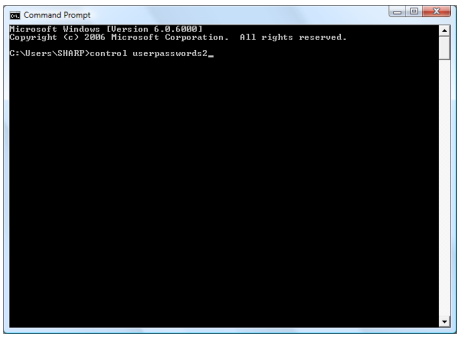
● Setting the environment of the viewer PC

Once the installation is complete, change the settings of the viewer PC before using this software. A description is given below, using Windows Vista/7 as an example.

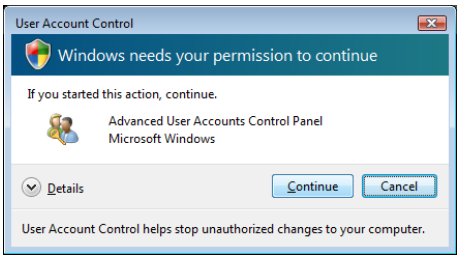
Auto login settings

If the viewer PC is to be used without an operator, Windows auto login should be enabled.
If using Windows Vista, use the following procedure to enable auto login.
The following is an example using Windows Vista.

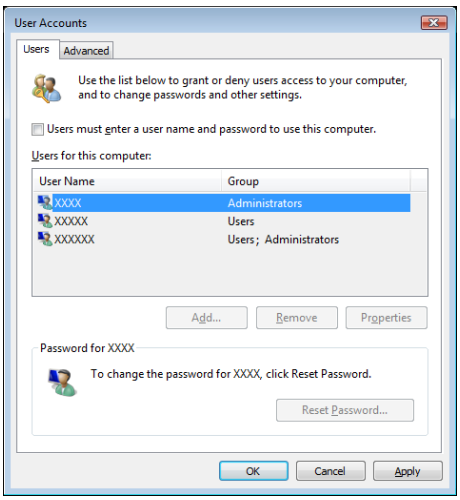
1. **From the Windows Taskbar, click [Start], [All Programs], [Accessories], and then [Command Prompt].**
   If using Windows 8/8.1/10, press the [Windows] key and [X] key, and then click [Command Prompt] on the context menu.
   The [Command Prompt] window will appear.
2. **Type in "control userpasswords2" (without the inverted commas) and push [Enter].**



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" check box.**
5. **Click [OK].**
6. **In the [Automatically Log On] window, enter a "User Name" and "Password", and click [OK].**
7. **Type in "exit" and then press [Enter].**



Welcome Center settings (Windows Vista only)

Under default settings, the “Welcome Center” is displayed when Windows Vista is started.
Clear the “Run at startup” check box, to stop the “Welcome Center” from being displayed when a program is displayed in Program Viewer. The “Welcome Center” will not appear from the next time the PC is started.



If “Welcome Center” is closed you can display it using either of the following methods.

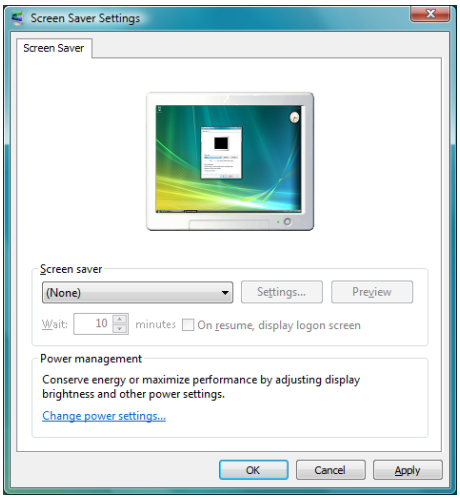
- From the Windows Taskbar, click [Start], [Control Panel], [System and Maintenance], and then [Welcome Center].
- From the Windows Taskbar, click [Start], [All Programs], [Accessories], and then [Welcome Center].

Screen saver settings

Disable the screen saver so that it does not display on the monitor when a program is displayed in Program Viewer.

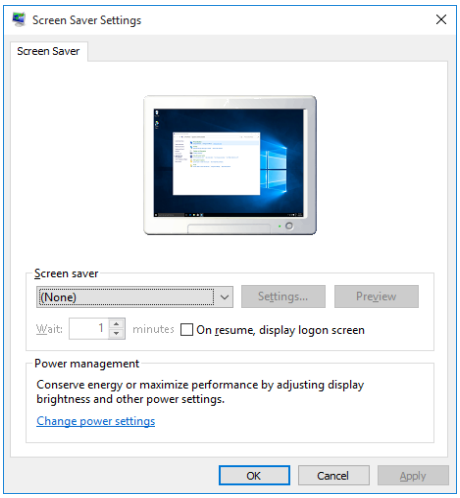
• If using Windows Vista/7/8/8.1

1. **Right-click on an empty area of the desktop and from the menu that appears, click [Personalize] and then [Screen Saver].**
   The [Screen Saver Settings] dialog box will appear.
2. **Select “(None)” from the “Screen saver” list.**
3. **Click [OK].**



• If using Windows 10

1. **Right-click on an empty area of the desktop and from the menu that appears, click [Personalize], [Lock screen], and then [Screen Saver].**
   The [Screen Saver Settings] dialog box will appear.
2. **Select “(None)” from the “Screen saver” list.**
3. **Click [OK].**

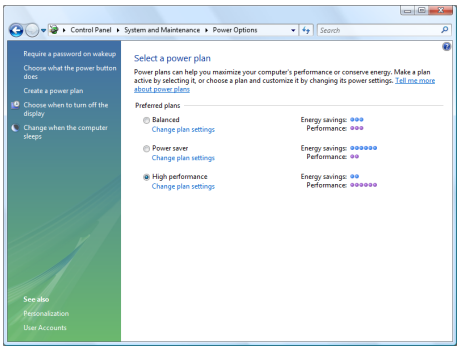


Power control

Adjust settings so that the panel or hard disk do not turn off or go into system standby while a program is displayed in Program Viewer.

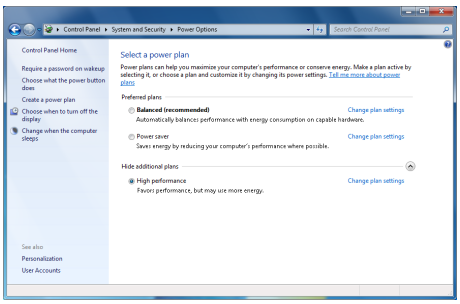
• If using Windows Vista

1. **From the Windows Taskbar, click [Start], [Control Panel], [System and Maintenance], and then [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” lists.**
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.**



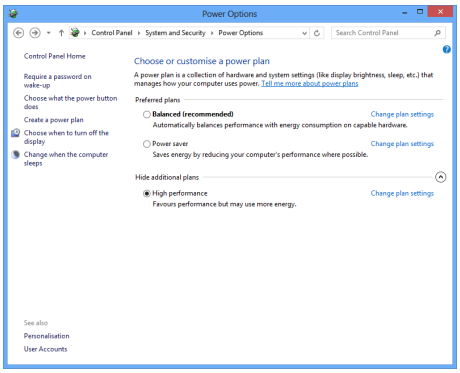
• If using Windows 7

1. **From the Windows Taskbar, click [Start], [Control Panel], [System and Security], and then [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” lists.**
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.**



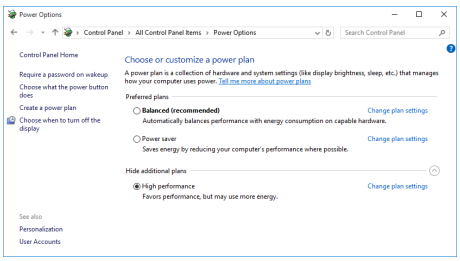
• If using Windows 8/8.1

1. **Press the [Windows] key and [C] key, and click [Settings], [Control Panel], [System and Security], and then [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” lists.**
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.**



• If using Windows 10

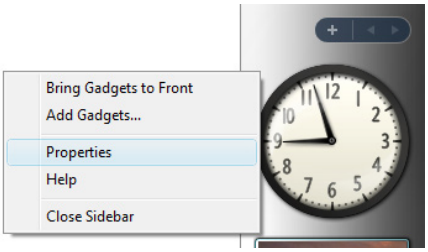
1. **Press the [Windows] key and [X] key, and then on the context menu click [Control Panel], [System and Security], and then [Power Options].**
   The [Power Options] dialog box will appear.
2. **Click [Show additional plans], select [High performance], and then click [Change plan settings].**
3. **Select “Never” from the “Turn off the display” and “Put the computer to sleep” lists.**
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.**



Windows Sidebar (Gadget) settings (Windows Vista only)

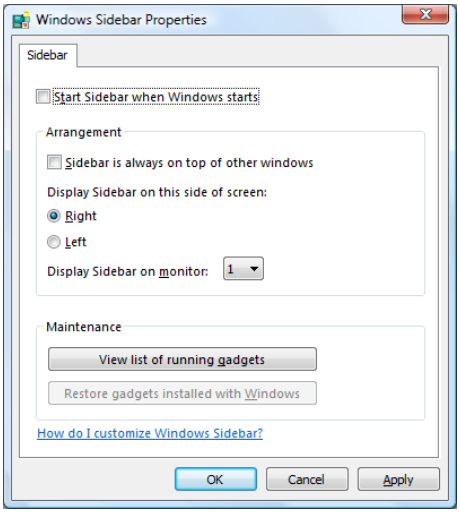
Adjust Windows Sidebar (Gadget) settings so that the Sidebar (Gadgets) is not displayed.

1. **Right-click on an empty area of the Windows Sidebar, and from the menu that appears, click [Properties].**
   The [Windows Sidebar Properties] dialog box will appear.



2. **Clear the "Start Sidebar when Windows starts" check box.**
3. **Click [OK].**
4. **Restart your PC.**

The Windows Sidebar (Gadgets) will no longer appear from the next time you start Windows Vista.



IME Toolbar settings

These settings are not required if the IME Toolbar is not displayed.
Store the IME Toolbar in the Taskbar so that it is not displayed when a program is being displayed in Program Viewer.

1. **Right-click on the IME Toolbar and, from the menu that appears, click [Minimize].**
   You can also click to minimize the Toolbar.



Taskbar settings (Windows Vista only)

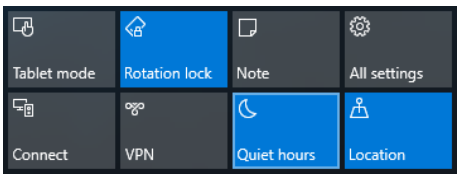
Adjust the Taskbar settings so that the Taskbar is not displayed when a program is being displayed in Program Viewer.

1. **Right-click on an empty area of the Taskbar, and from the menu that appears, click [Properties].**
   The [Taskbar and Start Menu Properties] dialog box will appear.
2. **Under "Taskbar appearance" on the [Taskbar] tab, clear the "Auto-hide the taskbar" and "Keep the taskbar on top of other windows" check boxes.**
3. **Click [OK].**

Notification settings (Windows 10 only)

Adjust the settings so that notifications from applications are not displayed when a program is being displayed in Program Viewer.

1. **Press the [Windows] key and [A] key, and then enable "Quiet hours" in action center.**



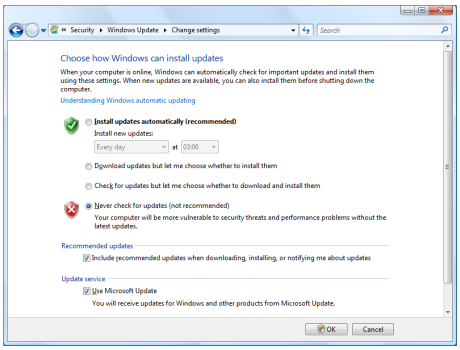
Windows Update settings

Set Windows Update so that it does not update automatically and display popup messages (dialog boxes), etc., while a program is being displayed in Program Viewer.

If you have disabled automatic updates, remember 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.

• If using Windows Vista

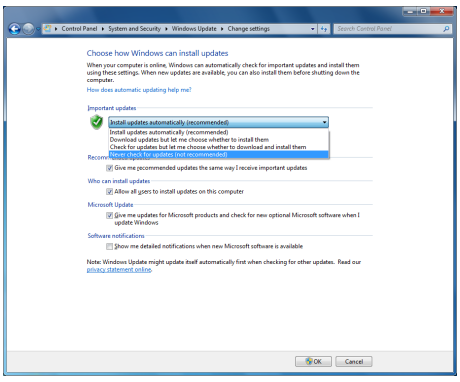
1. **From the Windows Taskbar, click [Start], [Control Panel], [Security], and then [Turn automatic updating on or off].**
   The [Change settings] dialog box will appear.
2. **Select the "Never check for updates" option button.**
3. **Click [OK].**



4. **If the [User Account Control] window appears, click [Continue].**
   The [Change settings] dialog box will close.

• If using Windows 7/8/8.1

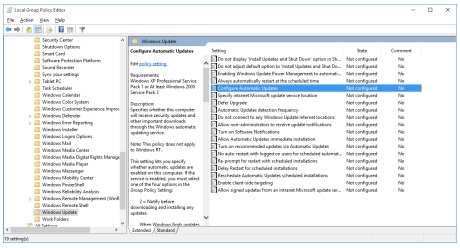
1. **If using Windows 7 : From the Windows Taskbar, click [Start], [Control Panel], [System and Security], and then [Turn automatic updating on or off].**
   If using Windows 8/8.1 : Press the [Windows] key and [C] key, and click [Settings], [Control Panel], [System and Security], and then [Turn automatic updating on or off].
   The [Change settings] dialog box will appear.
2. **From the menu of "Important updates" select the "Never check for updates (not recommended)".**
3. **Click [OK].**



4. **If the [User Account Control] window appears, click [Yes].**
   The [Change settings] dialog box will close.

• If using Windows 10

1. **Press the [Windows] key and [X] key, and then click [Command Prompt] on 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], and then [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” radio button and click [OK].**
7. **Close the [Local Group Policy Editor] dialog box by clicking the ✕ button in the upper right corner of the window.**
8. **Type “gpupdate” at the [Command Prompt] and press [Enter].**
9. **Check that “User Policy update has completed successfully.” and “Computer Policy update has completed successfully.” are displayed, and then close the [Command Prompt] dialog box by clicking the ✕ button in the upper right corner of the window.**



Resident application settings

Adjust settings for resident applications (e.g. virus scanners) so that they do not display popup messages (dialog boxes) when a program is being displayed in Program Viewer.

Personal firewall settings

If you plan to distribute content over a network, you must free a TCP/IP port for the SHARP Digital Signage Software Viewer Version to use when the distribution port is assigned to a personal firewall.

If you have installed the Server Version, a unique Web server will be installed. The default TCP/IP port number is 80. If you change the port number, you must also change the HTTP communication setting for the management PC (☞p.32), and the HTTP communication setting for Client Scheduler on the viewer PC (☞p.168) to the same port number.

Firewall settings for Status Monitoring Tool

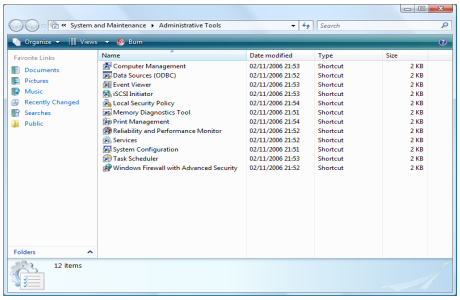
1. **If using Windows Vista : From the Windows Taskbar, click [Start], [Control Panel], [System and Maintenance], and then [Administrative Tools].**

   If using Windows 7 : From the Windows Taskbar, click [Start], [Control Panel], [System and Security], and then [Administrative Tools].

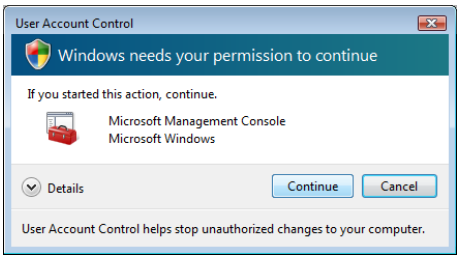
   If using Windows 8/8.1: Press the [Windows] key and [C] key, and click [Settings], [Control Panel], [System and Security], and then [Administrative Tools].

   If using Windows 10: Press the [Windows] key and [X] key, and then on the context menu click [Control Panel], [System and Security], and then [Administrative Tools].

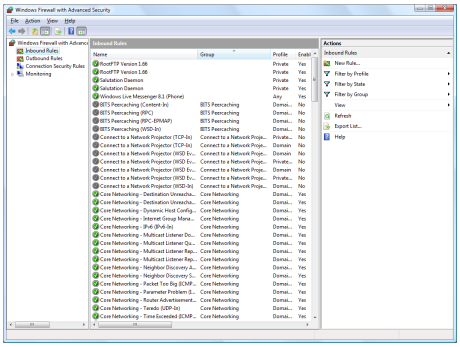
2. **Double-click "Windows Firewall with Advanced Security".**



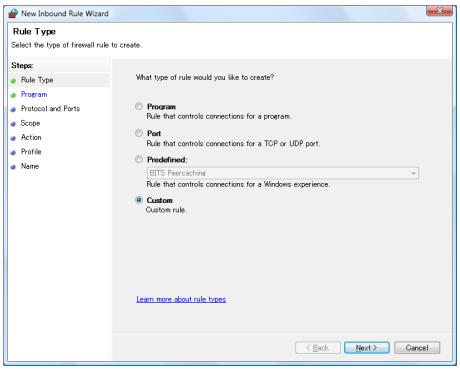
3. **If the [User Account Control] window appears, click [Continue] (for Windows Vista) or [Yes] (for Windows 7/8/8.1/10).**
   The [Windows Firewall with Advanced Security] dialog box will appear.



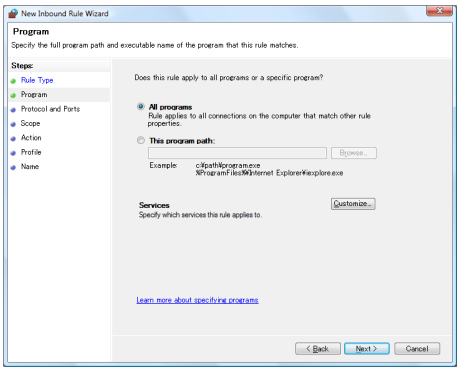
4. **On the left of the window, click [Inbound Rules], then click "New Rule" under [Actions] in the pane on the right of the window.**
   The [New Inbound Rule Wizard] dialog box will appear.



5. **Select the “Custom” option button, and click [Next].**



6. **Select the “All programs” option button, and click [Next].**

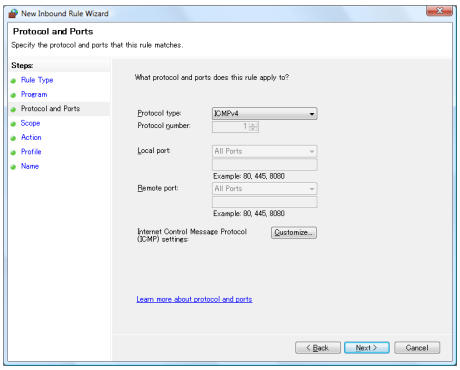


7. **From the “Protocol type” list, select “ICMPv4”.**

8. **Set “Protocol and Ports”, “Scope”, “Action”, and “Profile” in order as necessary. Click [Next] to be taken to the settings screen for the next step.**

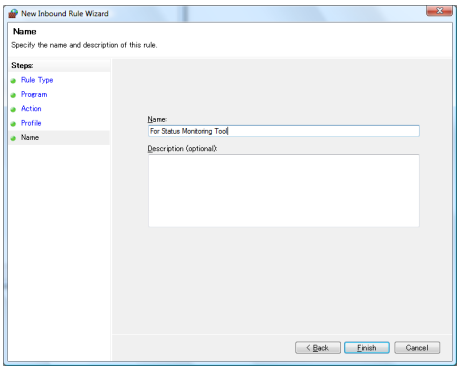


Confirm with your network administrator before adjusting these settings.



9. **Enter a “Name”, and click [Finish].**

10. **Close the dialog boxes by clicking the  button at the top right of each window.**

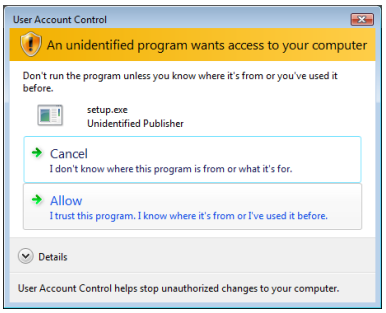


Uninstalling SHARP Digital Signage Software Pro WEB Server Version

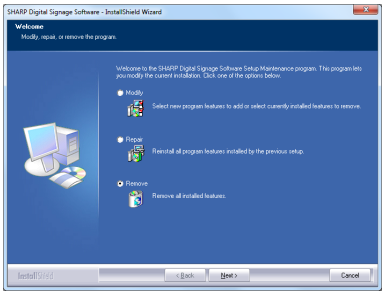
- If you reinstall the Server Version and Viewer Version, you need to obtain a license code again.
- Uninstalling the Server Version will not delete any tenants or users that you have already created as well as data that was uploaded to the server.You will be able to use the data again upon reinstalling the Server Version.
- Uninstalling the Client Version will not delete any programs, schedules or content files that you have already created. You will be able to use the files again upon reinstalling the Client Version. Note that programs that were uploaded to the server will not be deleted because they are stored on the server.
- The license code is required when you reinstall the software.

1. **Start your PC.**
2. **Close down all applications.**
3. **Launch the SHARP Digital Signage Software setup maintenance program (setup.exe).**
   • Double-click the setup.exe file to launch the setup maintenance program.
   • If a security warning saying 'The publisher could not be verified.' is displayed during the installation, click [Run].

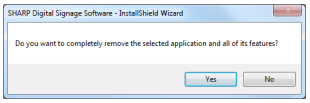
   If the [User Account Control] window appears, click [Allow] (for Windows Vista) or [Yes] (for Windows 7/8/8.1/10).



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

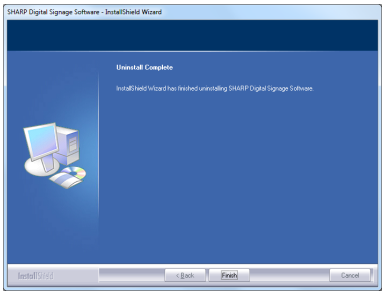


5. **Click [Yes].**
   The uninstallation will start.



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 the uninstallation will continue.

6. **Click [Finish].**
   The uninstallation is now complete.

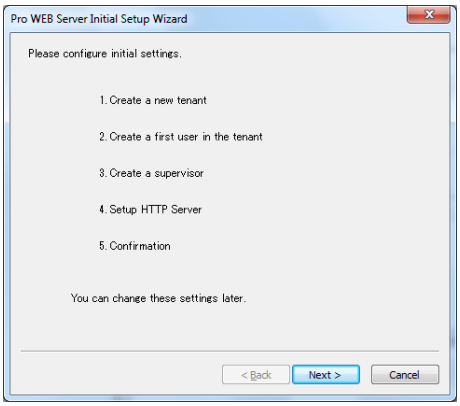


Setting Up a Server

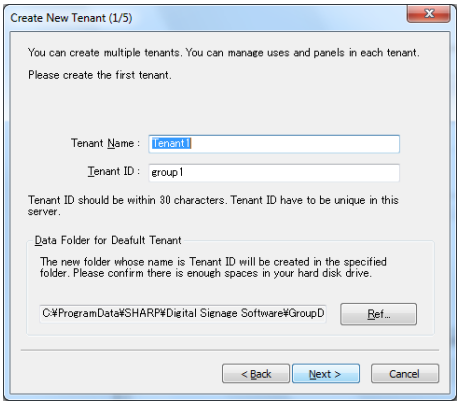
This section explains how to set the management PC as a WEB server.
Set the environment for distributing content to the viewer PC or uploading content that you have created on the operation PC to the management PC.

Setting Up a WEB Server (Initial Setup Wizard)

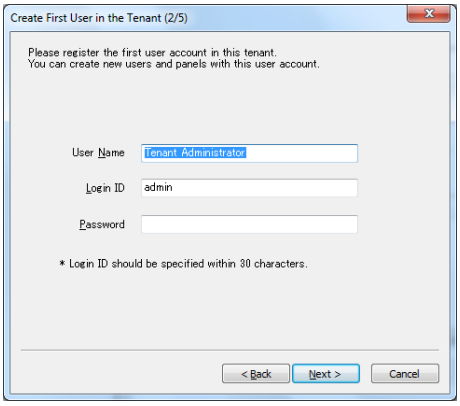
1. **From the Windows taskbar of the management PC, click [Start], [All Programs], [SHARP Digital Signage Software] and [Pro WEB Server Management Tool].**
   Management Tool will launch. When launching Management Tool for the first time, follow the wizard instructions to set up the WEB server.
2. **Click [Next].**



3. **Create a tenant.**
   Create a tenant that will be used to manage the user, panel and schedule data.Enter a tenant name and tenant ID (up to 30 alphanumeric characters).
   “Default tenant data folder”
   This is a folder for storing the user, panel and schedule data. To change the folder, click [Ref] and specify a folder.
   When the entry is completed, click [Next].



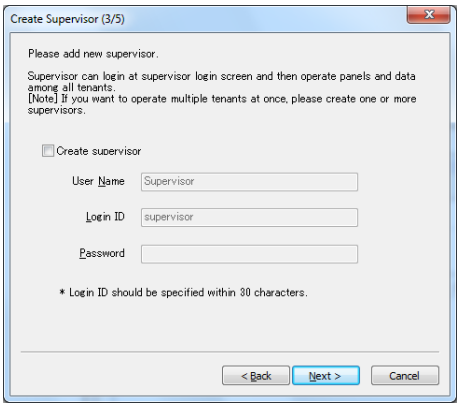
4. **Register an initial user.**
   Register user information for logging in to the server for the first time.
   Enter a user name, login ID (up to 30 alphanumeric characters) and password (up to 30 alphanumeric characters).
   When the entry is completed, click [Next].



5. **To use multiple tenants, register a supervisor.**
If you are only using one tenant, it is not necessary to register a supervisor.

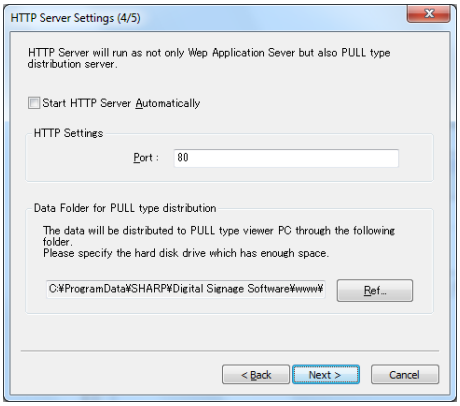
1) Select the “Create supervisor” checkbox, and enter the user name, login ID (up to 30 alphanumeric characters) and password (up to 30 alphanumeric characters).

When the setting is completed, click [Next].

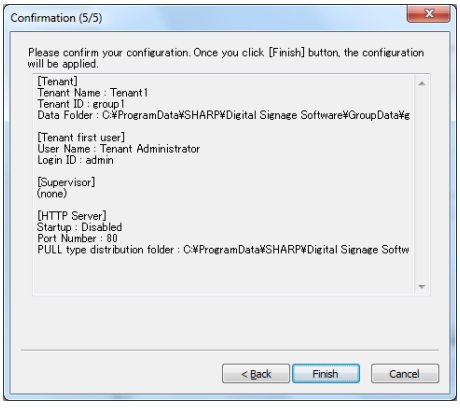


6. **Set up HTTP Server.**
1) “Start HTTP Server Automatically” check box
For the Pro WEB Server Version, you need to launch HTTP Server, regardless of the distribution type.
2) HTTP setting
Set the port number.If a connection cannot be established from the viewer PC, check the settings with the network administrator who manages the firewall.
3) Data Folder for PULL type distribution
Set the folder to store the distribution data for PULL type distribution.To change the folder, click [Ref] and specify a folder.

When the setting is completed, click [Next].

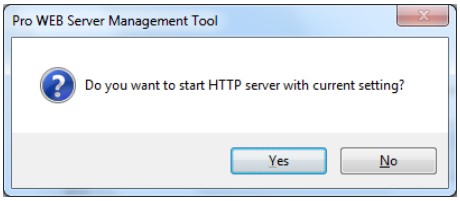


7. **Make final confirmation of the settings.**
The settings are displayed on the window. To confirm them, click [Finish] and to make changes, click [Back].
Even after the confirmation, you can launch Pro WEB Server Management Tool and change the settings.



After checking the settings, click [Finish].
Pro WEB Server Management Tool window will appear.

8. **Click [Yes].**



9. **Click [OK].**
   HTTP Server will launch.

When the tenant registration is completed, register the panel and user that belong to that tenant. Refer to Server (☞p.113).

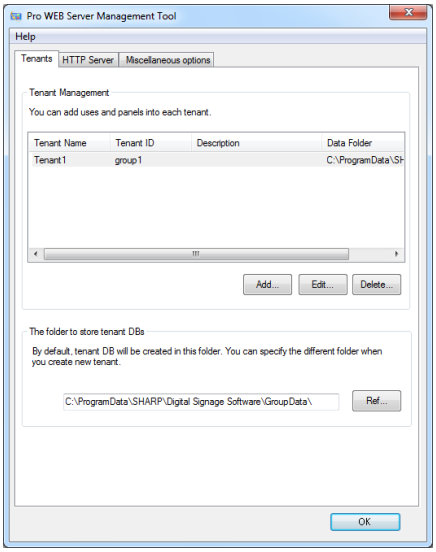
Personal firewall settings

- If you plan to distribute content over a network, you must free a TCP/IP port for the SHARP Digital Signage Software to use when the distribution port is assigned to a personal firewall.
  Note that you can add this port number to the “Windows Firewall” exception list in Windows Control Panel to allow a connection. Alternatively, you can also add executable file “C:\Program Files\SHARP\SHARP Digital Signage Software\www\w3d.exe” to the “Windows Firewall” exception list to allow a connection.

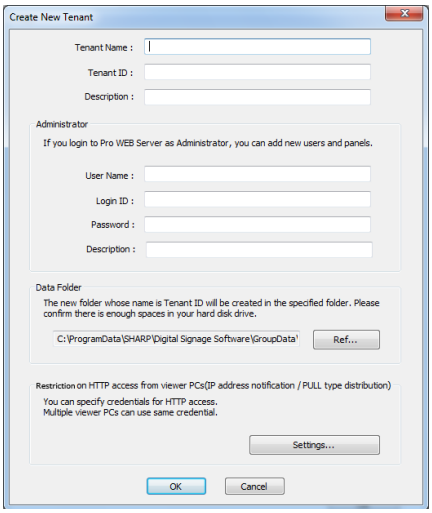
Setting Up a WEB Server (Management Tool)

• Adding a tenant

1. **From the Windows taskbar of the management PC, click [Start], [All Programs], [SHARP Digital Signage Software] and [Pro WEB Server Management Tool].**
   Management Tool will launch and the SHARP Digital Signage Software Pro WEB Server Version Configuration Tool window will appear.
2. **Click the "Tenants" tab and then click [Add] in "Tenant Management".**



3. **Enter the following information on the window.**
   Tenant Name: Name of the tenant.
   Tenant ID: ID of the tenant.This is the ID that is set when configuring the network settings for the viewer PC for PUSH type distribution (static IP address) or PULL type distribution. An ID that is already registered cannot be registered.
   Description: Explanation of the tenant.
   "Administrator"
   User Name: Name of the administrator user
   Login ID: ID of the administrator user
   Password: Password for the administrator user to log in
   Description: Explanation of the administrator user
   "Data Folder"
   This is a folder for storing the user, panel and schedule data.
   To change the folder, click [Ref] and specify a folder.
   "Restrictin on HTTP access from viewer PCs (IP address notification / PULL type distribution)"
   Set the user name and password for accessing the management PC from the viewer PC.
   When you set up the network for the viewer PC, set the user name and password you set here.
   To change the setting, click [Settings] and set a user name and password.



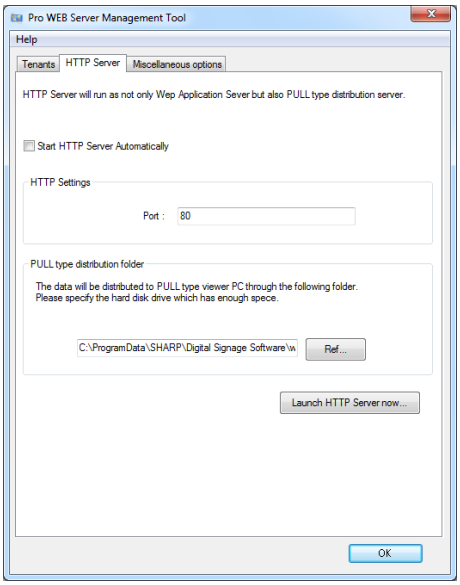
4. **Click [OK].**



- To change a registered tenant, click the desired tenant in "Tenant Management" and then click [Edit]. You cannot change the tenant ID and administrator user ID.
- To delete a registered tenant, click the desired tenant in "Tenant Management" and then click [Delete]. Note that deleting the tenant will delete all information on the users, panels and schedules that belong to that tenant.

● Setting up HTTP Server

1. **Click the “HTTP Server” tab in the Configuration Tool window.**
2. **Check the “Start HTTP Server Automatically” check box.**
   Launching the management PC will also launch HTTP Server.
3. **Enter a port number in “HTTP Settings”.**
   80 is set by default.
4. **Click [Ref] in “PULL type distribution folder” and specify a folder.**
   Set the folder to store the distribution data for PULL type distribution.
5. **Click [Launch HTTP Sever now].**
   HTTP Server will launch.

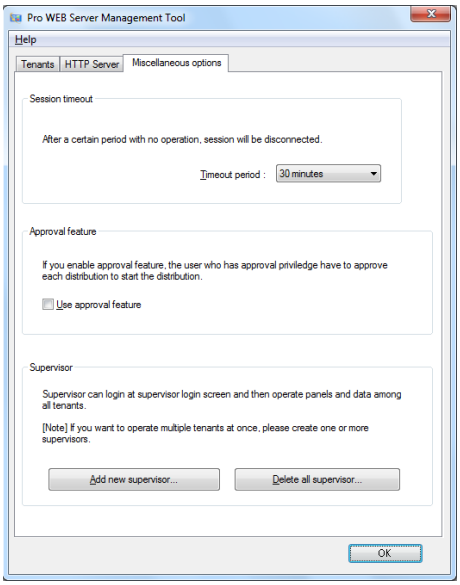


Server programs of the Pro WEB Server will run as user processes and cannot be run as services. Log in to Windows with a user account with administrator privileges and use Pro WEB Server programs (HTTP Server and Distribution Scheduler) that are launched from startup.

● Setting the automatic logout time

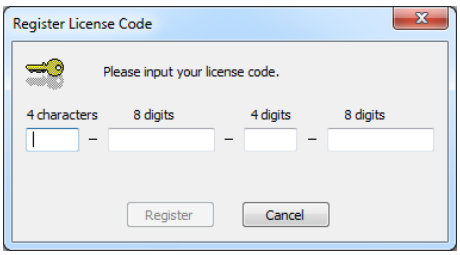
Set the time to automatically log out the user when operation is not performed for a certain period of time after logging in.
30 min. is set by default.

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



● Registering your license

1. **Click [Help] in the Configuration Tool window.**
   The Version Information window will appear.
2. **Click [Register].**
   The License Code Registration window will appear.
3. **Enter your license code and click [Register].**



If you entered the correct license code during installation, you do not need to register the license separately.

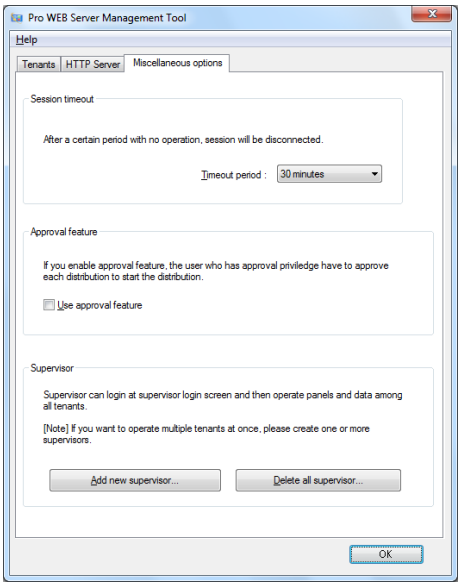
● Distribution Scheduler

Distribution Scheduler is a tool for managing communication between the management PC and viewer PC, etc.
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.

● Enabling the approval feature

1. **Click the “Miscellaneous options” tab in the Configuration Tool window.**

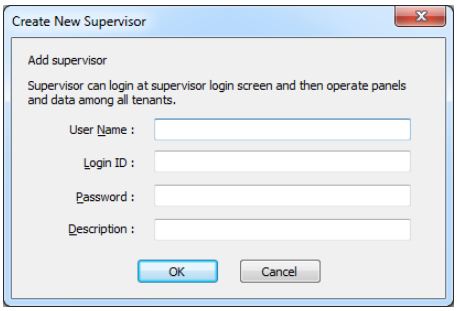


2. **Select the “Use approval feature”.**
   The approval feature is enabled.
   When the approval feature is enabled, content is not distributed until a user with distribution approval authority approves distribution.

   Approval authority is set in the user group settings window.

● Registering a supervisor

To use multiple tenants, register a supervisor.
If you are only using one tenant, it is not necessary to register a supervisor.



1. **Click the “Miscellaneous options” tab in the Configuration Tool window.**
2. **Click [Add new supervisor].**
   The create new supervisor window appears.
3. **Add a supervisor.**
   User name: Name of supervisor.
   Login ID: ID of supervisor.
   Password: Password used by the supervisor to log in.
   Description: Description of supervisor.
4. **Click [OK].**

● Deleting all supervisors

1. **Click the “Miscellaneous options” tab in the Configuration Tool window.**
2. **Click [Delete all supervisor].**
3. **Click [Yes].**
4. **Click [OK].**

WEB Client

Launching and closing the Launcher window

Launching and closing the Launcher window

The launcher window is briefly described and the procedures for starting and exiting the Launcher window are explained.

● Launching the Launcher window

1. **On the desktop, double-click the short cut**  **.**

   The Launcher window will launch.

The Launcher can also be started by going to the Windows Taskbar and clicking [Start], [All Programs], [SHARP Digital Signage Software], and then [SHARP Digital Signage Software].

● Closing the Launcher window

1. **Click**  **on the Launcher window.**

   The Launcher window will close.

● The Launcher window

The Launcher window is the window from which operations are started.
There are five buttons for different functions such as program creation and program distribution.

If another tool or dialog box is already launched, it will be displayed in the foreground.



1) Button description window

When the cursor is placed over a button, an explanation of the button's function is displayed in this window.

2) Program Editor (☞p.38)

"Program Editor" will launch. Program Editor lets you create programs by setting screen sizes and layouts, as well as content and scroll messages.

3) Timetable Editor (☞p.92)

“Timetable Editor” will launch. Timetable Editor lets you create one-day timetables by assigning programs you have created to be shown at desired times.

4) Schedule Editor (☞p.102)

“Schedule Editor” will launch. Schedule Editor lets you create schedules by assigning timetables you have created to be executed on desired dates.

5) Login to Server (☞p.114)

Start Internet Explorer and log in to SHARP Digital Signage Software Pro WEB Server.
Web server settings must be configured in advance. Click [Option] described below and configure web server settings on the “Pro Web Server” tab. For details, refer to p.125.

6) Option (☞p.124)

The [Option] dialog box opens. Launcher version information can be viewed, the license code can be registered, and settings for panel addition, the server, and program preview association can be configured.

Creating/Editing Programs

Create programs (content) to display on a panel.

The main Program Editor window

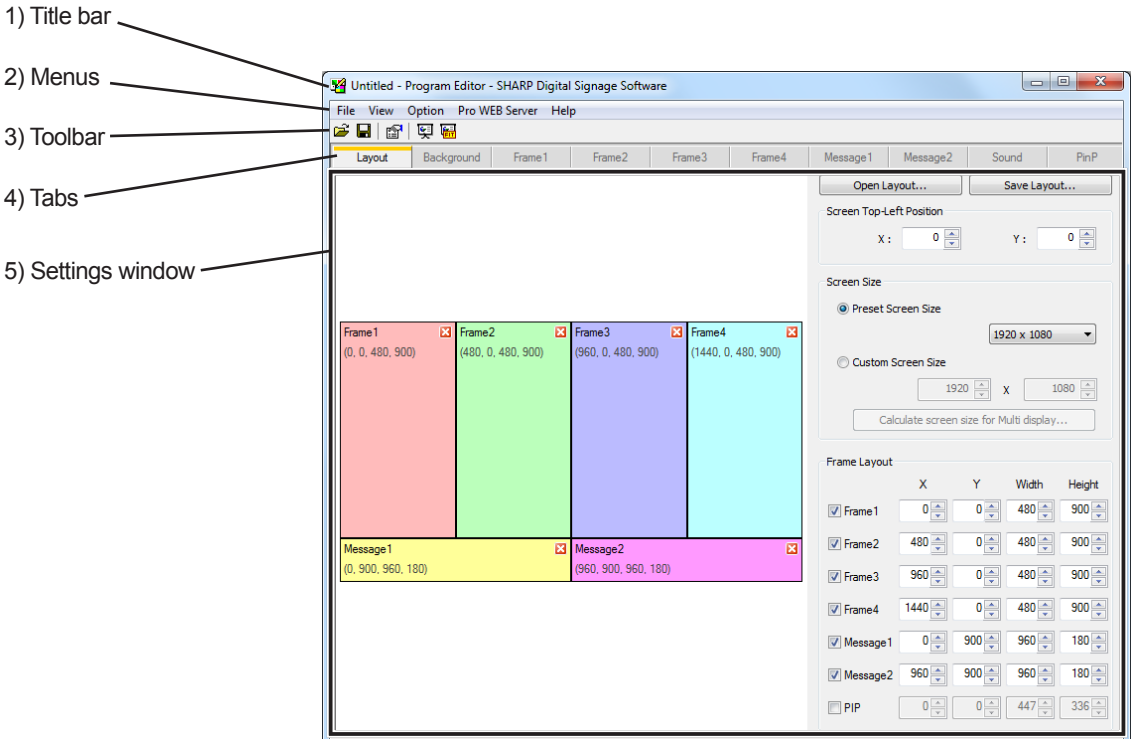
● Launching Program Editor

1. **Click  on the Launcher window.**
   "Program Editor" will launch.

As soon as Program Editor launches, four pre-defined frames and two scroll messages for creating new programs will be displayed in the main window. Programs are completed by setting program content in this window.

- Program Editor can also be started by going to the Windows Taskbar, and clicking [Start], [All Programs], [SHARP Digital Signage Software], [Tools], and then [Program Editor].
- The first time Program Editor is launched, the [Content Preview] window will appear.(☞p.47)
- If PowerPoint Viewer is not installed, a message will appear.

● The main Program Editor window



1) Title bar

The name of the program will be displayed here.
When Program Editor launches, the title bar will read "Untitled". When a program is saved, it will change to the name of the program. When content of an opened program is changed, the title bar will display an asterisk (*) after the program name.

2) Menus

The following are the contents of the [File], [View], [Option], [Pro WEB Server],and [Help] menus. Menu options are as follows:

Menu option		Description	Relevant page
File	Create New Program	Opens a new program.	-
	Open Program	Loads a saved program.	☞p.58
	Save Program	Overwrites the currently edited program.	☞p.56
	Save Program As	Saves the currently edited program under a different name.	☞p.57
	Delete Program	Allows the user to specify and delete programs.	☞p.59
	Properties of Program	Displays program properties and allows the user to change them.	☞p.60
	Import Program	Reads a program that has been exported from another PC so that it can be used.	☞p.61
	Export Program	Writes out a saved program so that it can be used on another PC.	☞p.60
	Exit	Exits Program Editor.	-
View	Preview Program (Original size)	Displays a preview of the currently edited program at its original size.	☞p.58
	Preview Program (Fit screen)	Displays a preview of the currently edited program fitted to the size of the screen.	☞p.58
	Set Configuration before Preview Program	Check this option to set display conditions when previewing programs.	☞p.59
	Show Content Preview Window	Shows/hides the [Content Preview] window.	☞p.47
	Refresh	Updates the Content folder to reflect additions or deletions of content files.	-
Option	Setting	Allows the user to fine tune grid settings for positioning frames and scroll messages with the grid. When you use Pro WEB Server, check this check box. This check box is checked by default.	☞p.44
Pro WEB Server	Download Program	Downloads program data from the management PC.	☞p.64
	Upload Program	Uploads the specified program to the management PC.	☞p.63
	Remove Program from the server	Deletes program data on the server.	☞p.65
	Download My Content	Downloads a content file from the management PC.	☞p.64
	Upload My Content	Uploads a content file to the management PC.	☞p.63
	Remove My Content from the server	Deletes a content file on the server.	☞p.65
	Download Scroll Message	Downloads a scroll message file from the management PC.	☞p.64
	Upload Scroll Message	Uploads a scroll message file to the management PC.	☞p.63
	Remove Scroll Message from the server	Deletes a scroll message file on the server.	☞p.65
	Switch Tenant and User	Switches between the tenant and user when logging in to the management PC.	☞p.62
	Configuration of WEB Server and Login Information	Configures the settings to log in to the management PC.	☞p.62
Help	About Program Editor	Displays version information for Program Editor.	-

3) Toolbar

The toolbar buttons perform the following actions:

Icon	Menu option	Description	Relevant page
	Open Program	Loads a saved program.	☞p.58
	Save Program	Overwrites the currently edited program.	☞p.56
	Properties of Program	Displays program properties and allows the user to change them	☞p.60
	Preview Program [(Original size)]	Displays a preview of the currently edited program at its original size.	☞p.58
	Preview Program [(Fit screen)]	Displays a preview of the currently edited program fitted to the size of the screen.	☞p.58

4) Tabs

Clicking a tab switches to the settings window for each item.

5) Settings window

Allows the user to set advanced settings for the selected tab.

Creating programs

● Valid content files

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

Content name	File type
Background, Frame 1-4	MPEG, MPEG-1, MPEG-2, WMV (Windows Media Video – file type playable with Windows Media Player), Flash (file type playable with Flash Player), Conditional content (.dcv) for background, MOV, MPEG4 (file type playable with Windows Media Player), PowerPoint, HTML, JPEG, BMP, GIF, PNG, Executable file (.exe), Signage widget content file: Analog clock (.anc), digital clock (.dgi), RSS (.erc), SNS message (.twt), weather forecast (.whr)
Message 1-2	Scroll messages created in Scroll Message Editor, Conditional content (.dct) for scroll messages
Sound	WAVE, MP3, AU, AIFF, WMA (Windows Media Audio – file type playable with Windows Media Player), MOV, MPEG4 (file type playable with Windows Media Player), MIDI, Conditional content (.dca) for audio

- Audio files cannot be positioned in the layout. They are used as audio or music (background music) that plays while a program is displayed.
- A codec is necessary to play mpeg files.

Content files are recognized by their file extensions.
Certain file types require the installation of corresponding software.

File extension	Content type	Required software
.avi .mpeg .mpg .wmv .asf mov* .mp4*	Movie	Windows Media Player
.swf	Flash	Flash Player
.ppt .pps .pptx .ppsx	PowerPoint	PowerPoint Viewer
.htm .html	HTML	Internet Explorer, SDSS web browser
.tlp	Scroll message	None
.wav .mp3 .au .aif .aiff .wma .mid .midi .mov* .mp4*	Audio	Windows Media Player
.exe	Executable file	None
.jpeg .jpg .gif .png .bmp	Still image	None
.anc .dgi .erc .twt .whr	Signage widget content file	None

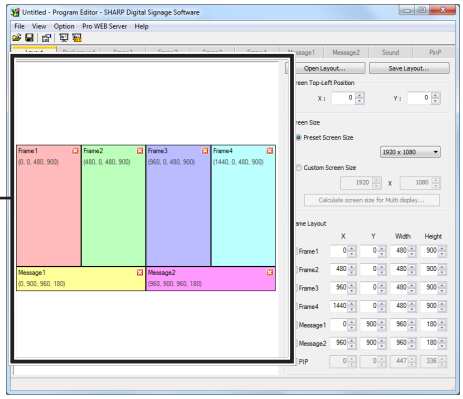
* In the case of Windows 7 or later, you can play content files using Windows Media Player.
For codecs and software whose operations have not been demonstrated on the installed OS, check the operations prior to installation.

- The JPEG file supports the RGB format but does not support the CMYK format. In addition, JPEG2000 is not supported.
- Animation GIF is not supported.
- Two or more PowerPoint files cannot be displayed at the same time.
- The PowerPoint content does not support the following:
  Execution of macros, execution of programs, display of link objects, display of embedded objects
- If too many animations are used in the PowerPoint content, displayed characters may be illegible.
- The font used in the content must also be installed on the viewer PC.
- The HTML file and the WEB page cannot be enlarged or reduced.
- Adjustment of the sound volume supports video and audio. It does not support Flash and PowerPoint.

● Positioning content (Layout)

Screens and content size and position, etc., are set in the [Layout] window.

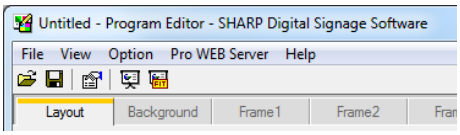
[Layout] window



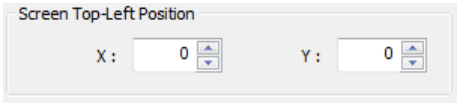
When “Layout Locked.” is displayed in the center of the layout window, the layout cannot be edited.

Clear the “The layout edit is locked.” check box in the [Properties of Program] dialog box (☞p.60).

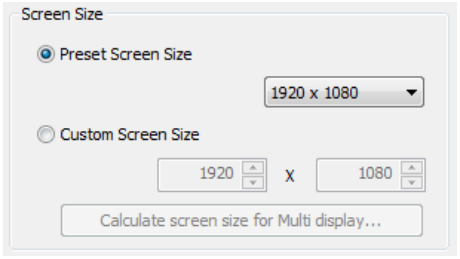
1. **Check that the [Layout] tab is selected.**
   If it is not, click the [Layout] tab to select it.



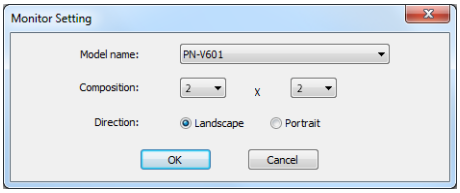
2. **Set a “Screen Top-Left Position”.**
   Set the coordinates (-9999 - 9999) for where you want the top left hand corner of the background to be positioned in the panel. “X” and “Y” are usually set to “0”. (Default)



3. **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 list.
   This is usually set to the size of the panel (i.e. panel resolution).



- If the size you want is not in the list, select the “Custom Screen Size” option button, and enter a size.
- To change the preset screen sizes in the list, edit the “ScreenSize.dat” file found in the folder where you installed this software (the default directory is, C:\Program Files\SHARP\SHARP Digital Signage Software) specifying sizes in order of “Width” then “Height” as in the examples below.
  1280,1024
  1920,1080
  1366,768
  When you start Program Editor the screen size on the first line will be selected.
- If you want to combine multiple panels and have them displayed as one panel, click [Calculate screen size for Multi display] and set the screen size simply by selecting the model name and direction.
- When you click [Calculate screen size for Multi display], the [Monitor Settings] dialog box will appear. You can set Model Name, Composition and Direction for multiple monitors.



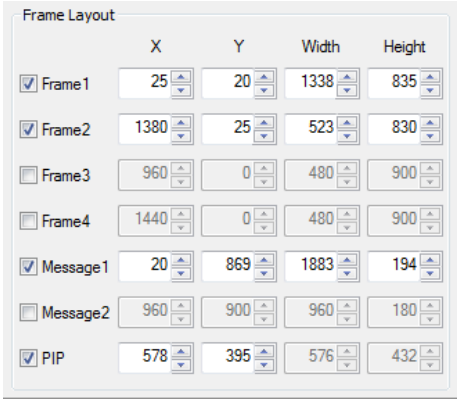
4. Set “Frame Layout”.

1) Check the checkboxes beside the frames, scroll messages, or PIP that you want to display.

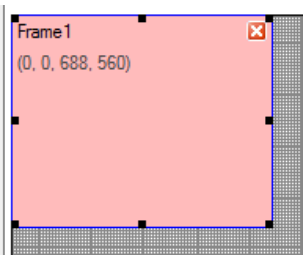
You can also click the button at the top right hand corner of a display frame, PIP frame or scroll message to hide it.

2) Set “X ”, “Y ”, “Width”, and “Height” coordinates for each frame or scroll message.

• Only “X ” and “Y ” coordinates can be adjusted for the PIP frame. To adjust the size of the PIP frame, drag your mouse over the layout window (See below).



• Click on a display frame, PIP frame or a scroll message to select it. Eight resize handles will appear around the border of the frame. By dragging these handles with the mouse, you can resize a display frame, PIP frame or scroll message, and confirm changes visually. The display frame, PIP frame and scroll messages can be moved by dragging an area other than the resize handle using the mouse.



· Dragging while holding down [Shift] allows you to resize a frame while keeping the same aspect ratio.

· You can also move frames or scroll messages using the arrow keys.

· You will still be able to adjust the size of a frame if you hold down [Shift] while using the arrow keys.

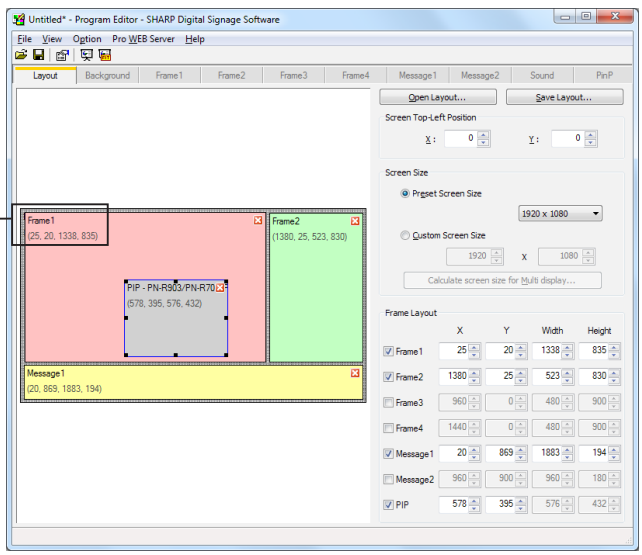
· You can also click the [PinP] tab, and specify a “Value” for the “Size” under “Key” to adjust the size of a PIP frame.

• You can move or resize items accurately by aligning them with the grid. (☞p.44)

E.g.

Frame1:	X = 25,	Y = 20,	Width = 1338,	Height = 835
Frame2:	X = 1380,	Y = 25,	Width = 523,	Height = 830
Message1:	X = 20,	Y = 869,	Width = 1883,	Height = 194
PIP:	X = 578,	Y = 395		

The above coordinates would produce a layout like the screenshot below.



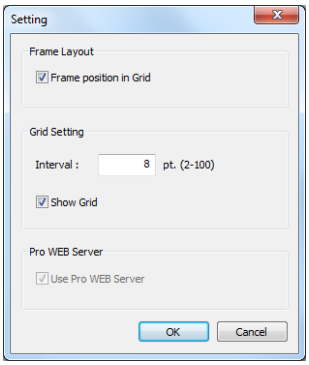
• The name, position and dimensions (X coordinate of top left corner, Y coordinate of top left corner, Width, Height) are displayed in the top left of each frame or scroll message.

• The PIP frame cannot be moved in 1 pt increments. Locations where items can be positioned depend on the kind of LCD monitor used.

Using the grid

Using the grid makes it easy to position items accurately. Items can be dragged with the mouse and aligned on the grid. The grid can be set with the following procedure:

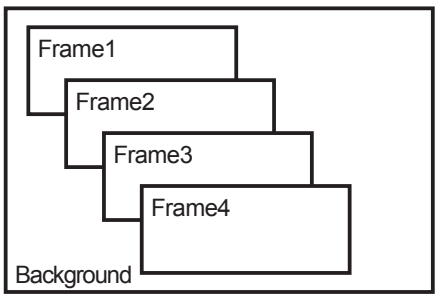
1. **From the [Option] menu click [Setting].**
   The [Setting] dialog box will appear.
2. **Set the "Frame Layout".**
   Check the "Frame position in Grid" check box to use the grid.
   Clear the check box to position frames in 1 pt increments.
3. **Set the "Interval" for the grid.**
   Enter a whole number between 2-100 pt. (The default value is 8 pt)



- Show or hide the grid by checking or clearing the "Show Grid" check box. Even if the grid is hidden, if you have checked the "Frame position in Grid" check box, frames will be aligned to the grid when moved or resized.
- Even if you have checked the "Frame position in Grid" check box, you will be able to ignore the grid and move items in 1 pt increments by doing the following:
  - Dragging an item while holding down [Ctrl]. This will allow you to ignore the grid when resizing.
  - Dragging an item while holding down [Shift] + [Ctrl]. This will allow you to maintain the aspect ratio of a frame while you resize it and ignore the grid at the same time.
  - Holding down [Ctrl] while using the arrow keys. This will allow you to move items in 1 pt increments.
  - Holding down [Shift] + [Ctrl] while using the arrow keys. This will allow you to resize items in 1 pt increments.

Display priority order

If frames overlap when a program is displayed, programs will be displayed in the following order from foreground to background.
"Frame4" → "Frame3" → "Frame2" → "Frame1" → "Background"



- The display priority order cannot be set.
- If the content of the frame or background is a PowerPoint file, EXE file, signage widgets or SDSS web browser, it will be displayed in the foreground, regardless of the display priority order.
- Scroll messages are displayed ahead of the background, frame.
- In all cases, the PIP frame is displayed ahead of the background, frame, and scroll messages.
- If movies are displayed in the background, they may be displayed in front of other frames in some cases. Set movies in frames 1-4, not the background.

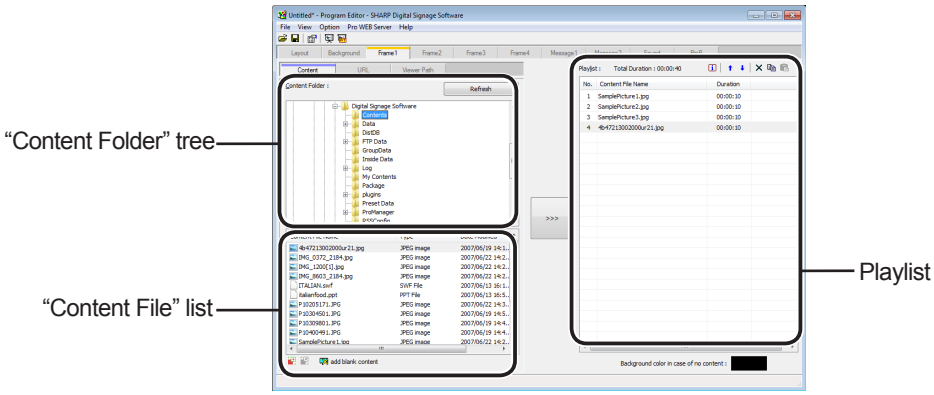
Using a layout you have created

Click [Save Layout] to save the Layout you have created. The next time you come to create a program you will then be able to click on [Open Layout] to use the saved layout.

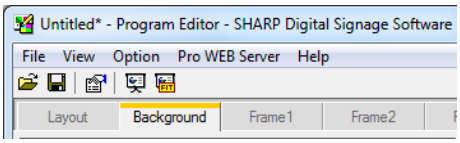
When you save a layout, frame settings are not saved.
Only Screen Top-Left Position, Screen Size, and Frame Layout are saved.

● Setting the background/frames 1-4

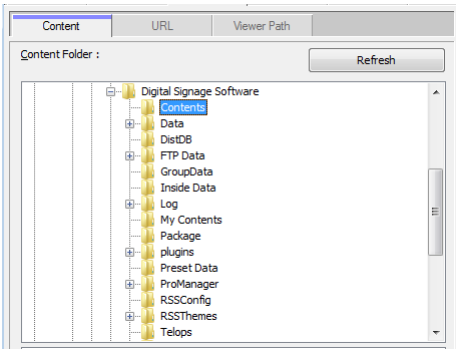
Set content, order of play and duration for content in the background and frames 1-4.



1. **Click any of the [Background] or [Frame1] – [Frame4] tabs.**



2. **From the “Content Folder” tree, select the folder where the content files you want to use are located.**
Confirm that the [Content] tab is selected. If the tab is not selected, click on it.

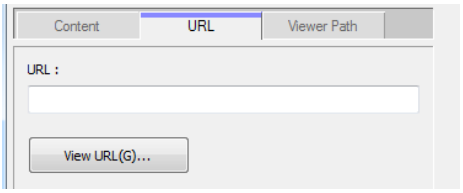


You can also register a content file to use by dragging and dropping it from the Windows Explorer screen to the playlist.

You can also display content by specifying “URL” or “Viewer Path”.

The [URL] tab

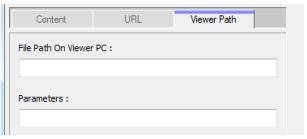
Displays the HTML of a specified URL as content.
Enter a URL that can be referenced by the viewer PC.
If your PC can connect to the Internet, clicking [View URL] will connect to the URL you have entered. Check that you have connected properly and that the URL has been displayed correctly.



- Use discretion when displaying URLs as websites are subject to copyright.
- If the page you want to display contains errors it will not be displayed correctly.
- If the page that you want to display requires a plug-in the viewer PC must have the plug-in installed.

[Viewer Path] tab

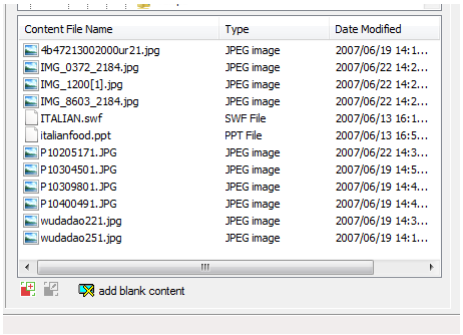
Displays the content file specified with “File Path On Viewer PC.” You can specify an EXE file. Enter a path that can be referenced by the viewer PC. For an EXE file, “Parameters” can be added.



- When displaying large content files that are not frequently updated, save the files on the viewer PC in advance, and only enter the paths that refer to them. This will help reduce the time it takes to send program contents.
- Specify the absolute path of the viewer PC or the relative path from My Contents folder (☞p.165).
- The following parameters can be used:
  - %L : X coordinate of top left corner of frame
  - %T : Y coordinate of top left corner of frame
  - %W : Width of frame
  - %H : Height of frame
- This software only launches or closes specified executable files at a specified time. It does not guarantee the actions of any executable files it launches.
- Depending on the specifications of the file that is executed, it may not be able to launch or close correctly, or it may not be able to display windows in the correct position.

3. **Select the content you want to use from the “Content File” list.**

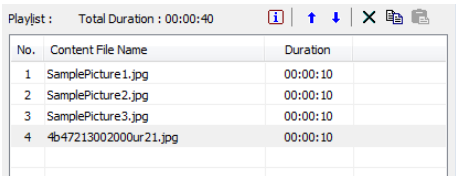
Refer to p.41 for a list of file types that can be used with the background and frames 1-4.



- Click while holding down [Ctrl] or [Shift] to select multiple content files at the same time.
- You can preview content files in the [Content Preview] window. (☞p.47)
- If using HTML content, make sure that images, movies and other files referred to in the HTML code are transferred to the same location, or a subdirectory of the same location, where the HTML file itself is stored (attached files). These can be added from content file properties. (☞p.48) Make sure that all attached files are defined by their relative paths in the HTML file.

4. **Click** .

Content files are added to the end of the playlist.
For more details about the playlist refer to p.47.



- In step 3, you can also register content files by double-clicking them, or dragging them from the “Content File” list to the “Playlist”.
- The content files in the playlist can be copied by dragging and dropping them while holding down the [Ctrl] key.

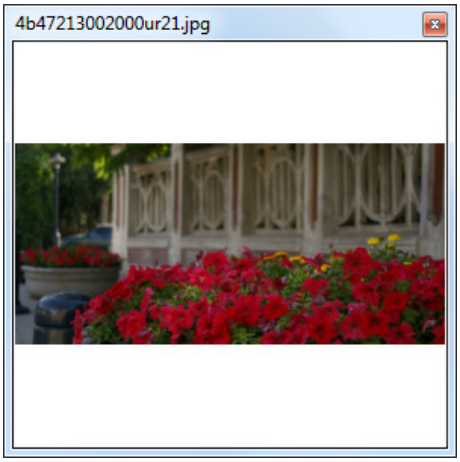
5. **Repeat steps 1 to 4 as necessary. You can set the other frames in the same manner.**

- By clicking the ( ) button “add blank content” at the bottom of the “Content File” list on the [Frame1] - [Frame4] tabs, you can add a hidden section to the playlist. Like other content files, the duration and order of play can be set for hidden sections. The frame set in the hidden section is not displayed.
- Clicking the buttons at the bottom of the “Content File” list ( ) or ( ) allows you to create a new or edit an existing signage widget (☞p.66).

Content preview

You can preview content files in the [Content Preview] window. Click [Show Content Preview Window] from the [View] menu to preview the files.
Previews for the following types of files will not be displayed immediately. To preview these files, click the relevant icon displayed in the [Content Preview] window. (Click the text string if previewing a scroll message.)

- Files with a size of 2 MB or higher
- Video files
- PowerPoint files (Preview displayed in full screen mode)
- Scroll message files (Preview displayed in full screen mode)
- Signage widgets



Playlist

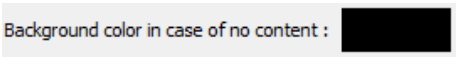
Playlist content is played in order starting with the content file at the top of the list.
“Duration” displays the length of time taken to play a particular content file.
“Total Duration” displays the length of time taken to play the entire contents of the playlist.
There are cases where the total duration is different from the actual duration (for example, when “Play Next Content” is set in the play setting, or when using conditional content).

Clicking the buttons on the top right of a playlist performs the following actions:

Icon	Menu option	Description
	Show the properties of the content	Displays the properties of the currently selected content file. For more details, refer to p.41.
	Move the content to upwards	Moves the selected content file one place forward (up) in the list. (Cannot move multiple content files.)
	Move the content to downwards	Moves the selected content file one place backward (down) in the list. (Cannot move multiple content files.)
	Delete the content	Deletes the selected content files from the list. Content files may also be deleted by pressing [Delete].
	Copy the registered content	Copies the selected content file.
	Paste the registered content	Pastes the copied content file to the playlist.

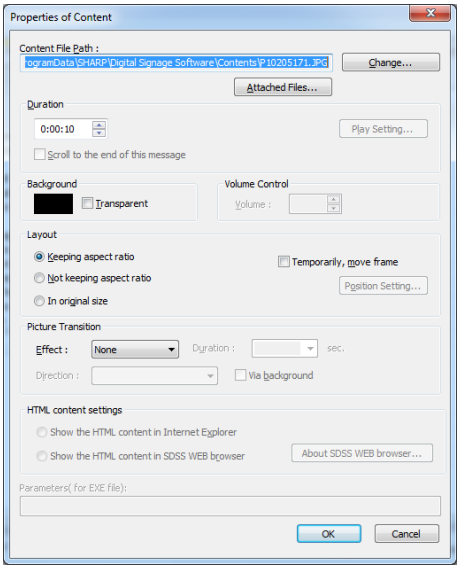
Background color in case of no content

When content is not being played, frames can be filled in using a specified color.
Click the color swatch to display the [Color] dialog box and change the background color.



Properties of content

From the playlist, select a content file, and click  to display the [Properties of Content] dialog box.
The following settings may be adjusted:



1) Content File Path

Displays the path to the content file.

- Clicking [Attached Files] will allow you to add a file or files from the [Attached Files] dialog box which appears.
- Clicking [Change] will allow you to change the file via the [Open] dialog box that appears.

If using HTML content, make sure that images, movies and other files referred to in the HTML code are transferred to the same location, or a subdirectory of the same location, where the HTML file itself is stored. Make sure that all attached files referenced in the HTML file are defined by their relative paths.

2) Duration

The duration of play can be set.

- When the content type is video, audio, or scroll message, you can set the operation to be performed when playback of the content is finished before the specified duration is reached. To set this, click [Play Setting].
- When the “Scroll to the end of this message” check box is cleared, playback of scroll messages is forcibly terminated after the specified duration is reached even if playback is not finished yet (effective when the content type is scroll message).
- You have the following options for what to do with content files after play time has passed if the same content files are placed in the playlist successively or if the playlist consists of one content file.

3) Background

If the content is a still image file and you have checked the “Keeping aspect ratio” option button, you can specify a background color for the content.
Click the color swatch to display the [Color] dialog box and change the background color.
Click the box next to “Transparent” to make the background transparent.

The background color for the background frame cannot be set to transparent.

4) Volume Control

The volume can be set.

5) Layout

- "Keeping aspect ratio", "Not keeping aspect ratio", and "In original size" option buttons
  You can select "Not keeping aspect ratio" when the content type is a still image or Flash.
  You can select "In original size" when the content type is a still image.
- "Temporarily, move frame" check box
  To change the screen position of the content temporarily, check this check box and click [Position Setting]. The position and size of the frame can be specified for each content. The screen position must be set within the background frame.

6) Picture Transition

When the content type is still image, the effect at screen switching can be set.
Select the effect from each pull-down menu.
A number can also be directly entered for "Duration". (0.1 to 999.9 seconds)
If you check the "Via background" check box, the effect of displaying the background color at the time of screen switching is added.

7) HTML content settings

- "Internet Explorer" and "SDSS WEB browser" option buttons
  Select the web browser to use to display HTML content and the content of the HTML specified with "URL". When you are displaying content in the SDSS web browser, reading in advance will not be performed even if HTML is set to be read in advance. Also, the content will be displayed in the foreground regardless of the frame.
  You can click "About SDSS WEB browser" to display the license information.

8) Parameters (for EXE file)

Displays parameters for EXE files.

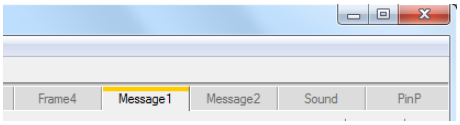
9) Executable command for optional contents

This is the signage widget's execution parameter. Normally, do not edit this parameter.

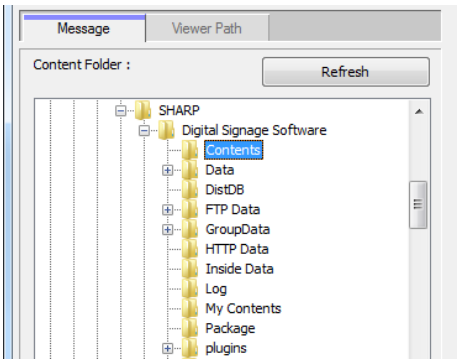
● Setting the scroll message

Set scroll message content, order of play and duration of play.
A scroll message file containing text to be displayed in the scroll message must be prepared in advance. For details about how to create a scroll message file, refer to p.51.

1. **Click the [Message1] or [Message2] tab.**

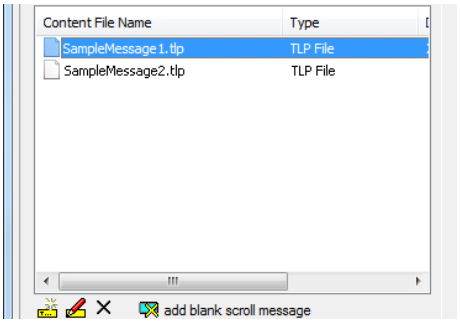


2. **From the "Content Folder" tree, select the folder where the scroll message file you want to use is located.**
   Confirm that the [Message] tab is selected. If the tab is not selected, click on it.



You can also display the scroll message file specified with "File Path On Viewer PC" on the [Viewer Path] tab. Specify the absolute path of the viewer PC or the relative path of the My Contents folder (☞p.165).

3. **Select the scroll message file you want to use from the "Content File" list.**
   Only scroll message files (.tlp) and conditional content for scroll message files (.dct) can be used with Message1 and Message2.



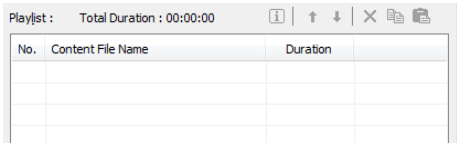
   - Click while holding down [Ctrl] or [Shift] to select multiple scroll message files at the same time.
   - You can preview scroll message files. Scroll message file previews are available in full screen mode only. (☞p.47)

   Clicking the buttons at the bottom of the "Content File" list performs the following actions:

Icon	Menu option	Description
	Create New Scroll Message	Launches Scroll Message Editor and allows you to create new scroll messages.
	Edit Scroll Message	Launches Scroll Message Editor and allows you to edit the scroll message selected in the "Content File" list.
	Delete Scroll Message	Deletes the scroll messages selected in the "Content File" list.
	add blank scroll message	A hidden section can be added to the playlist. Like other content files, the duration and order of play can be set for hidden sections.

   For more details about Scroll Message Editor, refer to p.51.

4. **Click** **.**
   Scroll message files are added to the end of the playlist.
   For more details about the playlist, refer to p.47.



   In step 3, you can also register scroll message files by double-clicking them, or dragging them from the "Content File" list to the "Playlist".

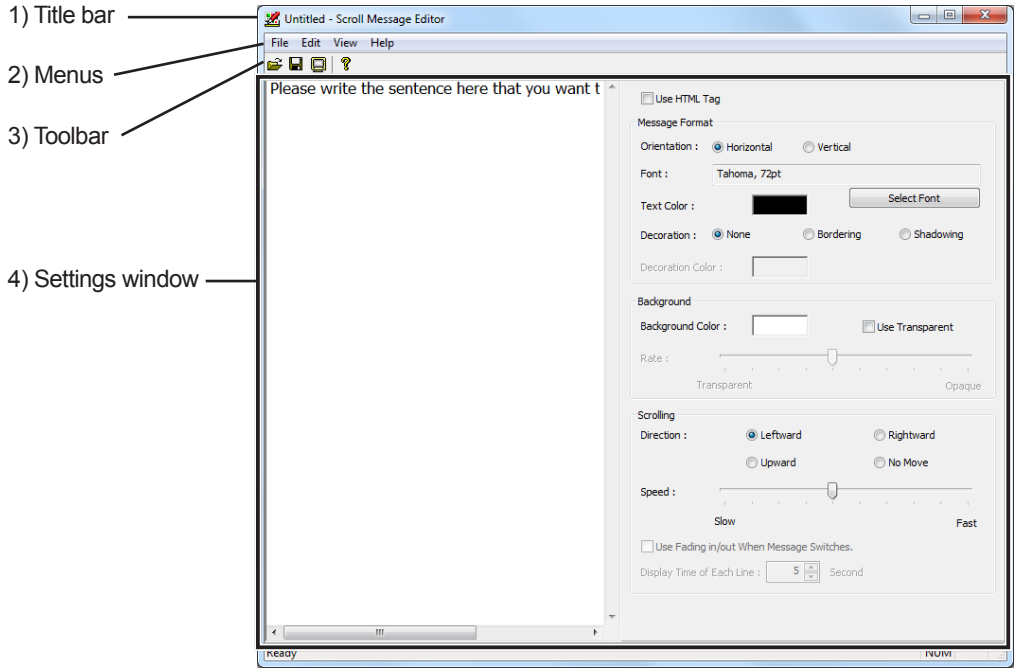
5. **Repeat steps 1 to 4 as necessary. You can set other scroll messages in the same manner.**

Creating scroll message files

Create a message to be displayed in a scroll message.

1. **From the Widows Taskbar, click [Start], [All Programs], [SHARP Digital Signage Software], [Tools], and then [Scroll Message Editor].**

   Scroll Message Editor will launch.



1) Title bar

A file name will be displayed.

When Scroll Message Editor launches, the title bar will read “Untitled”. When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

Menu options are as follows:

Menu option		Description
File	Create New Scroll Message	Opens a new scroll message file.
	Open Scroll Message	Loads a saved scroll message file.
	Save Scroll Message	Overwrites the currently edited scroll message file.
	Save Scroll Message As	Saves the currently edited scroll message file under a different name.
	Exit	Exits Scroll Message Editor.
Edit	Cut	Cuts the text string selected in the “Scroll message edit box”.
	Copy	Copies the text string selected in the “Scroll message edit box”.
	Paste	Pastes a text string that has been cut or copied into the “Scroll message edit box”.
	Undo	Undoes the last action performed in the “Scroll message edit box”.
View	Preview Scroll Message	Displays a preview of the currently edited scroll message file. Press [Esc] to close the preview. If a window other than the window for scroll messages is clicked during the preview, it cannot be terminated even if the [Esc] key is pressed. Click the preview once and then click the [Esc] key.
Help	About Scroll Message Editor	Displays version information for Scroll Message Editor.

3) Toolbar

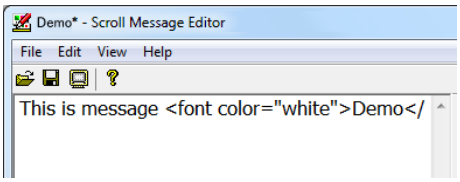
The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description
	Open Scroll Message	Loads a saved scroll message file.
	Save Scroll Message	Overwrites the currently edited scroll message file.
	Preview Scroll Message	Displays a preview of the currently edited scroll message file. Press [Esc] to close the preview. If a window other than the window for scroll messages is clicked during the preview, it cannot be terminated even if the [Esc] key is pressed. Click the preview once and then click the [Esc] key.
	About Scroll Message Editor	Displays version information for Scroll Message Editor.

4) Settings window

For more details, continue reading from step 2.

2. **Enter a text string that you want to use in a scroll message into the “Scroll message edit box”.**
   The longer the text string is, the more memory will be used. We recommend starting a new line at a suitable interval so that lines do not get too long.



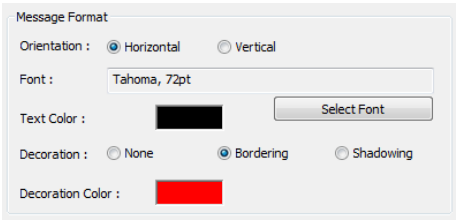
Checking the [Use HTML tag] check box allows you to use the following HTML tags in the “Scroll message edit box” to define the font color, size and other styles.



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.

3. Set the “Message Format”.

Set the display direction of text, font and text color.



1) Next to “Orientation”, select the display direction of text.

2) To change the font, click [Select Font] and choose a font from the [Font] dialog box.

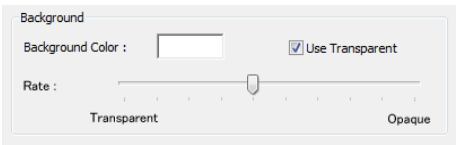
- You must have the same font installed on the viewer PC.
- Depending on the type of font used, text size may not be acquired correctly resulting in scrolling being interrupted.

3) Set the “Text Color.”
In the [Color] dialog box that appears when clicking the rectangle in which a color is displayed, the color can be changed.

4) Select “Decoration” from the “None,” “Bordering,” or “Shadowing” option button.
If “Bordering” or “Shadowing” is selected, the text color can be changed in the [Color] dialog box that appears when clicking the rectangle of “Decoration Color”.

4. Set “Background.”

Set the background of scroll messages.



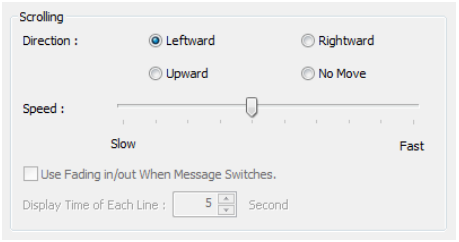
1) Set “Background Color.”
The color can be changed in the [Color] dialog box that appears when clicking the rectangle in which a color is displayed.

2) Checking the “Use Transparent” check box allows you to make the background color transparent.
Drag the “Rate” slider to the left or right to set the transparency (10 steps available).

- Do not check the check box when 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 non-transparent.
- When the check box is checked, the color set for the background itself is made transparent. Therefore, if “Text Color” and “Decoration Color” are the same as “Background Color,” “Text Color” and “Decoration Color” are also made transparent.
- If transparent/semi-transparent scroll messages are located on a video, the desired effect may not be obtained.

5. Set “Scrolling.”

Set the scroll direction and speed of scroll messages.



1) Select the “Direction” from “Leftward,” “Rightward,” “Upward” and “No Move” option buttons.

- If the “Vertical” option button is selected in “Message Format,” the “Leftward” or “Rightward” option button cannot be selected.
- If “No Move” is selected, scroll messages are displayed at the center of the specified range line by line. (The portion that is outside of this range is not displayed.)

2) Drag the “Speed” slider to the left or right to set the scroll speed (10 steps available).

- Even if the scroll message speed is set at the same value, the actual scroll speed may differ depending on the performance of the PC.
- When the “Use Transparent” check box is checked, the scroll speed may be lower compared with that of opaque scroll messages. It is recommended that tests be conducted by actually displaying scroll messages before operation.

Settings to be made when the “No Move” option button is selected

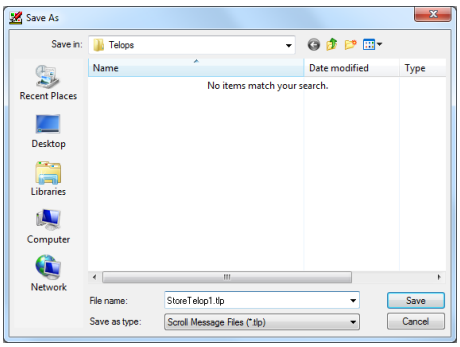
3) Set “Display Time of Each Line.” (0 to 9999 seconds)
Scroll messages are displayed line by line. Set the display time.

4) Set whether to perform fade-in and fade-out.
To display scroll messages so that the currently displayed scroll message fades out and the next scroll message fades in when switching between scroll messages, check the “Use Fading in/out When Message Switches.” check box.

If fade-in/fade-out scroll messages are located on a video, the desired effect may not be obtained.

6. Click [Save Scroll Message] from the [File] menu.
Or click .

The [Save As] dialog box will appear.



7. Enter a new name in “File name” and click [Save].

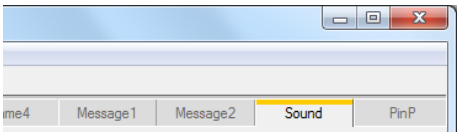
The creation of the scroll message file is now complete.
The scroll message file is saved in C:\Program Files\SHARP\SHARP Digital Signage Software\Telops.

● Setting audio and music

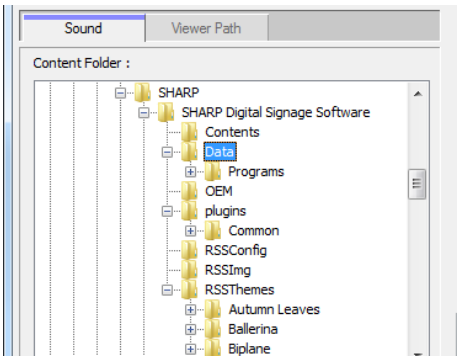
Set audio and music (background music) for program display.

If two or more content files containing audio are set in different frames, both will play.

1. **Click the [Sound] tab.**

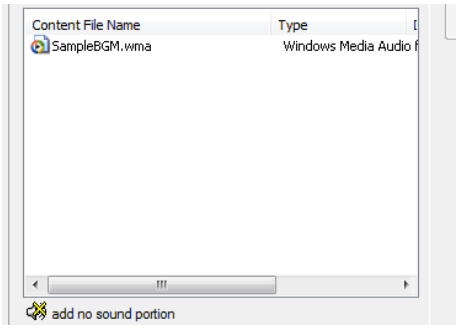


2. **From the "Content Folder" tree, select the folder where the content files you want to use are located.**
Confirm that the [Sound] tab is selected. If the tab is not selected, click on it.



You can also play back the content file specified with "File Path On Viewer PC" on the [Viewer Path] tab. Specify the absolute path of the viewer PC or the relative path of the My Contents folder (☞p.165).

3. **Select the content you want to use from the "Content File" list.**
For a list of compatible audio file types, refer to p.41.



- Click while holding down [Ctrl] or [Shift] to select multiple content files at the same time.
- Audio cannot be positioned in a layout. If you select a movie for the content file that will be used as audio, a movie preview will be displayed in the [Content Preview] window, but only audio will be used when the program is actually displayed.
- Clicking the "add no sound portion" button ( ) at the bottom of the "Content File" list will allow you to add a soundless portion to the playlist. Settings for duration and order of play can be set for soundless portions in the same way as for other content files.

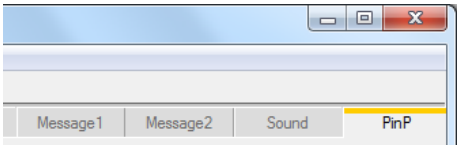
4. **Click .**
Content files are added to the end of the playlist.
For more details about the playlist, refer to p.47.

In step 3, you can also register content files by double-clicking them, or dragging them from the "Content File" list to the "Playlist".

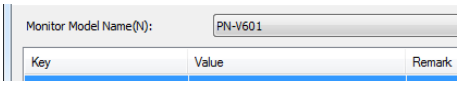
● Setting the PIP window

Set the frame size, aspect ratio, input source, and audio source for the PIP frame. This function can be used only with the SHARP LCD monitor (PN series).

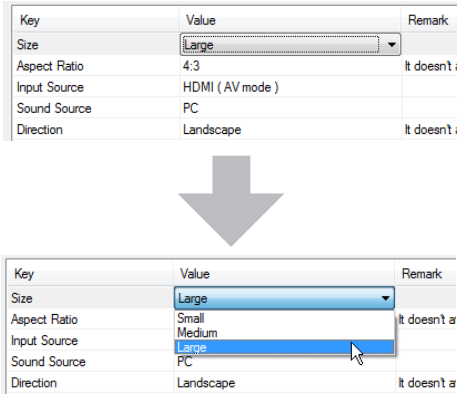
1. **Click the [PinP] tab.**



2. **Select the “Monitor Model Name”.**



3. **Set values for each item.**
   A list will appear when you click on a cell in the “Value” column.
   * Items displayed vary according to the “Monitor Model Name”.
   * The video signal may cause misalignment with PIP location and size.
   1) Select “Size”.
      Monitor sizes vary according to aspect ratio.
   2) Select “Aspect Ratio”.
      * Select this according to the video or images that you want to display.
   3) Select “Input Source”.
   4) Select “Sound Source”.
   5) Select “Direction”.
   * The settings for the SHARP LCD monitor cannot be changed. Select values in accordance with the display settings.



● Saving a program

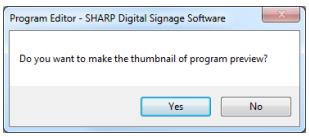
Save program

Use this option when you want to save the currently edited program under its original name.

1. **From the [File] menu, click [Save Program].**
   You can also save by clicking .
   A confirmation message for creating a thumbnail will appear.

When “Program Editor” is started, the title bar will read “Untitled”. If you attempt to save at this stage the [Save Program] dialog box will be displayed. For the remaining steps, please refer to step 2 of “Save program as”.

2. **When you want to create a thumbnail, click [Yes]. When you do not want to create a thumbnail, click [No].**
   When you click [Yes], a small program preview for creating a thumbnail will appear. Do not perform any operation before this preview screen disappears.
   For more details about the program thumbnail, refer to p.57.

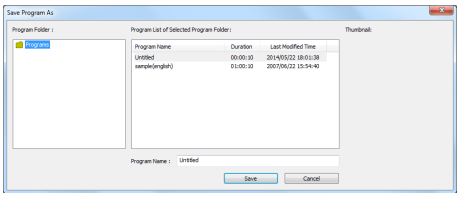


If you have already created a thumbnail, the program thumbnail is not deleted even if you click [No]. The previous thumbnail is displayed.

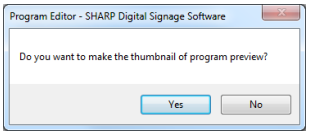
Save program as

Use this option when you want to save the currently edited program under a different name.

1. **From the [File] menu, click [Save Program As].**
   The [Save Program As] dialog box will appear.
2. **Select the program folder in which the program is to be saved.**
   For more details about the program folder, see the following.
3. **Enter a new name in "Program Name" and click [Save].**
   A confirmation message for creating a thumbnail will appear.



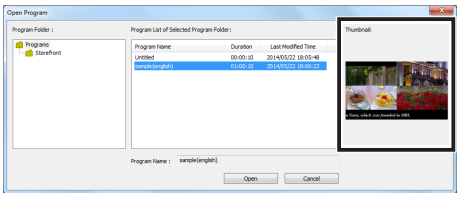
4. **When you want to create a thumbnail, click [Yes].**
   When you do not want to create a thumbnail, click [No].
   When you click [Yes], a small program preview for creating a thumbnail will appear. Do not perform any operation before this preview screen disappears.
   For more details about the program thumbnail, see the following.



If you have already created a thumbnail, the program thumbnail is not deleted even if you click [No]. The previous thumbnail is displayed.

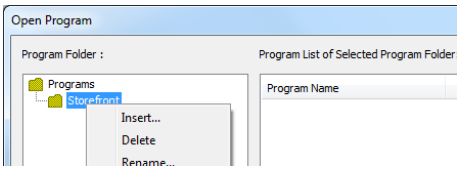
Program thumbnails

When a program thumbnail is created, it is displayed in the [Open Program], [Save Program As], [Delete Program], [Import Program], and [Export Program] dialog boxes and the [Program] tab of the timetable editor.

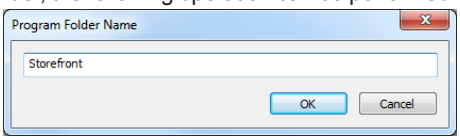


- There are cases in which a video is not displayed.
- If the PIP function is used, the PIP portion is not displayed.

Program Folder



- Programs can be saved in different program folders according to the type of program.
- The programs in the selected program folder are displayed in "Program List of Selected Program Folder."
- In the menu that appears when right-clicking the program storage folder, the following operation can be performed.
  - Insert: Adds a new program folder under the selected folder. Enter a new name in the [Program Folder Name] dialog box and click [OK].
  - Delete: Deletes the selected folder. If the selected folder contains a program, it cannot be deleted.
  - Rename: Changes the name of the selected folder. Enter a new name in the [Program Folder Name] dialog box and click [OK].



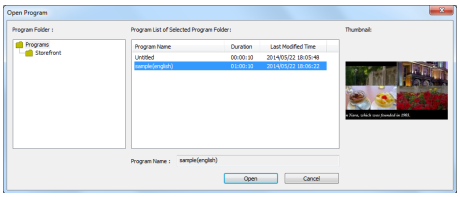
- The "Programs" folder in the first level cannot be deleted or renamed.
- If the selected folder contains a program, it cannot be deleted.

- By dragging and dropping the folder, the location of the folder can be changed.
- By dragging and dropping a program in "Program List of Selected Program Folder" to another folder, the program can be moved.

● Opening a program

Load a program that you have already saved and use it.
Editing only the places you want to change in an existing file and saving the file under a new name is an effective way to create programs.

1. **From the [File] menu, click [Open Program].**
   You can also open a program by clicking .
   The [Open Program] dialog box will appear.



2. **Select the program folder containing the program.**

3. **From the "Program List", select a program, and click [Open].**
   The program you selected will be loaded into Program Editor and you will be able to edit it.

Take care when saving the program you have edited using the [Save Program] option, as the changes you have made will be reflected in the original file.

● Checking a program

Check a program using the program preview function.
Following instructions are common for both previews.

1. **If you want to preview a program at its original size, click [Preview Program [Original size]] from the [View] menu.**
   You can also preview a program by clicking .
   A preview of the currently edited program will be displayed at its original size.



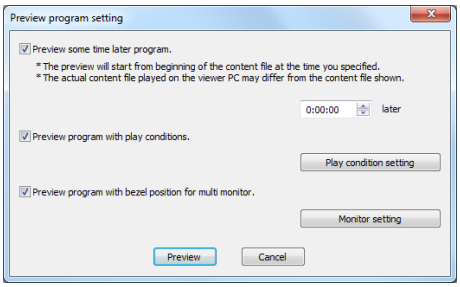
- Previews can also be displayed by pressing [F5].
- Enabling "Set Configuration before Preview Program" on the [View] menu allows you to set specific dates and times, specific panel displays and other program conditions and display previews.

If you want to preview a program at screen size, click [Preview Program [Fit screen]] from the [View] menu.
You can also preview a program at screen size by clicking .
A preview of the currently edited program fitted to the size of the screen will be displayed.

2. **Check the preview.**
   PowerPoint, scroll message, signage widget, and SDSS web browser content types will be displayed in the foreground, regardless of display priority order.
   Set PowerPoint data so that it plays repetitively by setting slide transition to advance slides automatically (automatic slideshow).
   Do not use the mouse or keyboard (e.g. to click on a window etc.) during program display. Doing so may change the window display order or alter the content to be played.

- To close the preview, click the preview window and press [Esc].
- If the program screen size is larger than the display resolution of the monitor, the preview cannot be displayed in full screen mode.

Preview Program Display Settings



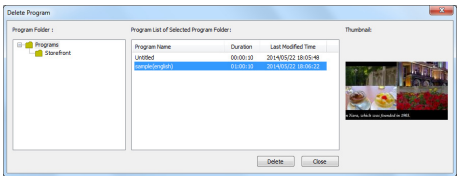
If you check “Set Configuration before Preview Program” on the [View] menu, the “Preview program setting” screen will be displayed during the program preview. You can set the conditions, and if you click the [Preview], the preview will occur under the conditions you have set.

- Preview some time later program:
  Displays the program preview after a specified amount of time has passed. The time at which the program switches to the following content may differ from situations where programs are played from the beginning since the first content displayed must be played from the beginning when previewing programs with this function.
- Preview program with play conditions:
  Click [Play Condition Setting] to set conditions.
  During conditional content playback, content matching the conditions set in [Play Condition Setting] is displayed.
  - “Play Date” : Sets the date on which the program will be played.
  - “Play Time” : Sets the time at which the program will be played.
  - “Panel name” : Sets the panel on which the program will be played.
  - “Group” : Sets the group with which the program will be played.
  - “Comment” : Sets comments on the panel on which the program will be played.
- Preview program with bezel position for multi monitor:
  Click [Monitor setting] to set conditions.
  Displays the program preview over the edges between panels when using multiple monitors
  * Think of the edges as rough estimates.
  - “Model name” : Select the monitor model name.
  - “Composition” : Select the multi-monitor setup.

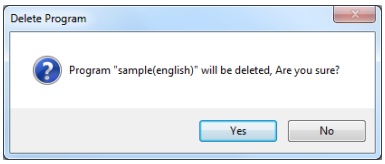
● Deleting a program

Delete unnecessary programs.

1. **Click [Delete Program] from the [File] menu.**
   The [Delete Program] dialog box will appear.
2. **Select the program folder containing the program.**
3. **Select a program from the “Program List” and click [Delete].**



4. **Click [Yes].**
   The selected program has now been deleted.



5. **Click [Close].**

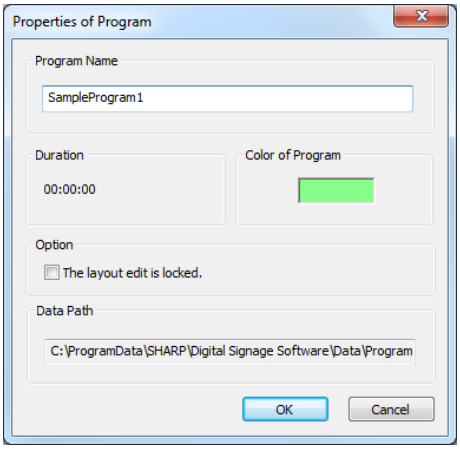
• Displaying program properties

Change program names and program colors.

1. **Click [Properties of Program] from the [File] menu.**
   You can also display and change program properties by clicking .
   The [Properties of Program] dialog box will appear.

   Information about the “Program Name”, “Duration”, “Option”, and “Data Path” is displayed.
   - The “Program Name” can be changed.
   - Click the color swatch to display the [Color] dialog box and change the program color.
   - If you check the “The layout edit is locked.” check box, layout editing is disabled. Check this check box when you want to prevent the layout from being changed due to a mistake during the operation of Program Editor.

   The “Color of Program” is the color used to display the program in the Timetable Editor.



2. **Click [OK].**

“Duration” is an estimate of the amount of time it takes to play playlists including programs through in their entirety. Actual duration may differ from the displayed “Duration”, when “Play Next content” is selected for play settings or when conditional contents are included.

• Importing/exporting a program

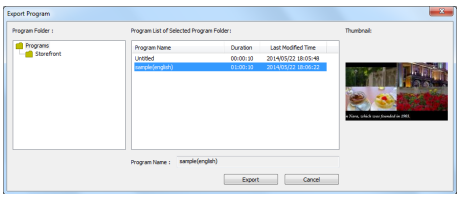
Exporting a program

The export function is used to write out a program so that it can be used with this product on another PC.

1. **From the [File] menu, click [Export Program].**
   The [Export Program] dialog box will appear.

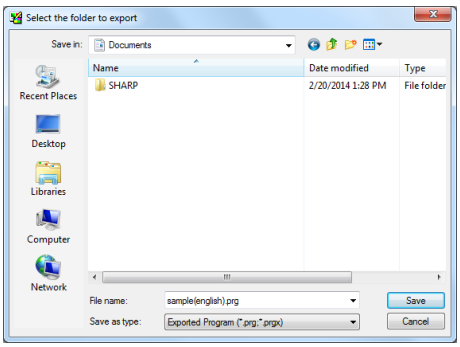
2. **Select the program folder containing the program.**

3. **From the “Program List”, select a program, and click [Export].**
   The [Select the folder to export] dialog box will appear.

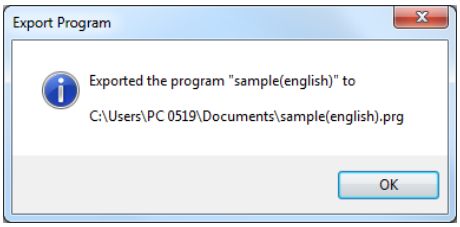


4. **Specify the directory where you want to save the file, enter a “File name”, and click [Save].**

   If you want to cancel the export, click [Cancel] in the screen that appears during the export.



5. **Click [OK].**
   The program export is now complete.

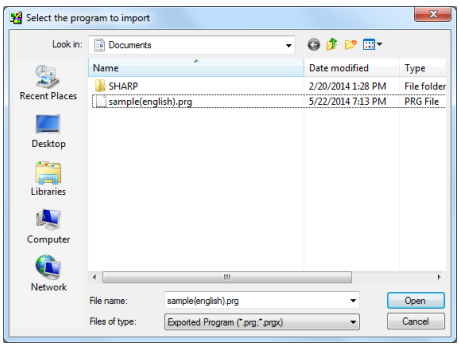


Importing a program

The import function is used to load an exported program that has been created with this product on another PC.

1. **From the [File] menu, click [Import Program].**
   The [Select the program to import] dialog box will appear.

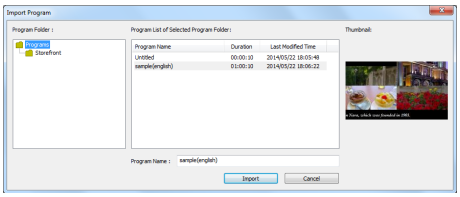
2. **Select a (.prg) file or (.prgx) file to import, and click [Open].**
   The [Import Program] dialog box will appear.



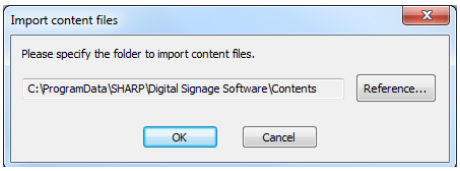
   If you want to cancel the import, click [Cancel] in the screen that appears while the import is being prepared.

3. **Select the program folder in which the program is to be saved.**

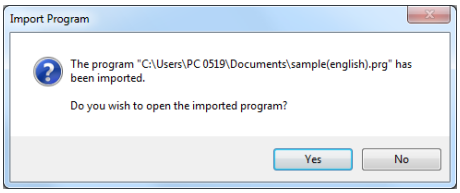
4. **Enter a "Program Name", and click [Import].**



5. **Select the folder into which the content will be imported, and click [OK].**



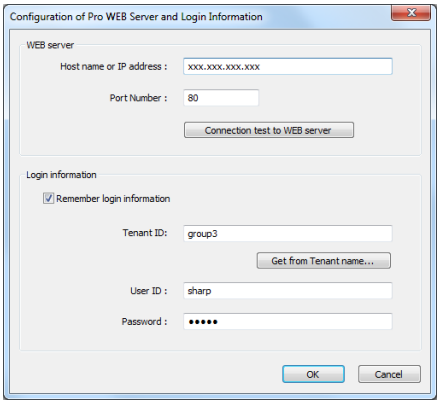
6. **Click [Yes].**
   The program will be saved with the name you entered.
   The program import is now complete.



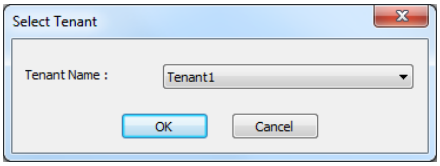
Setting Information for logging in to the management PC

Configure the settings to log in to the management PC.
You need to log in to the management PC to upload or download the created data to/from the management PC or delete data on the server.

1. **From the [Pro WEB Server] menu, click [Configuration of WEB Server and Login Information].**
   The Pro WEB Server/Login Information Setting window will appear.
2. **Set the options.**
   1) Host name or IP address
      Set the host name or IP address of the management PC.
   2) Port Number
      Set the port number.80 is set by default.
      When the settings in 1) and 2) are completed, click [Connection test to WEB server] and check the connection with the management PC.
   3) Tenant ID
      Enter the tenant used at login.



      Clicking [Get from Tenant name] displays the select tenant screen.
      Select the tenant from the list box.



   4) User ID
      Enter the user ID for logging in.
   5) Password
      Enter the password for logging in.
3. **Click [OK].**

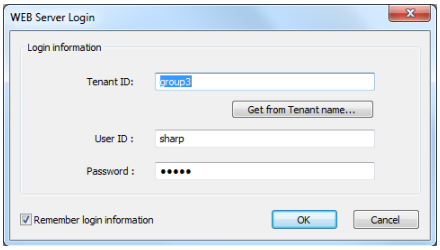
- Checking the “Remember the login information” check box stores the entered login information.
- When you want the login information to be stored, enter the information in 3) to 5).
- The proxy server settings are taken from the Internet Explorer settings.

● Entering the login information

You need to enter the login information to upload or download data from the operation PC to the management PC, or delete data on the server.

1. **From the [Pro WEB Server] menu, click [Switch Tenant and User].**

- The users who can log in are users who were initially created when the Tenant Name was created (☞p.28), administrator users (☞p.31) and users who were registered through the user registration process (☞p.152).
- The operating procedure is the same as 3) to 5) of step 2 in “Setting Information for logging in to the management PC” above.
- Checking the “Remenber login information” check box stores the entered login information, and a connection to the management PC is established automatically with the stored login information and maintained until the editor is closed.



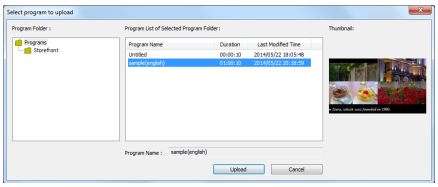
Uploading/Downloading Programs, Content and Scroll Messages

Uploading a program

Upload the created program to the management PC.

1. **From the [Pro WEB Server] menu, click [Upload Program].**
   A dialog box will appear.

2. **Select the program to be uploaded and click [Upload].**
   The login information entry window will appear.

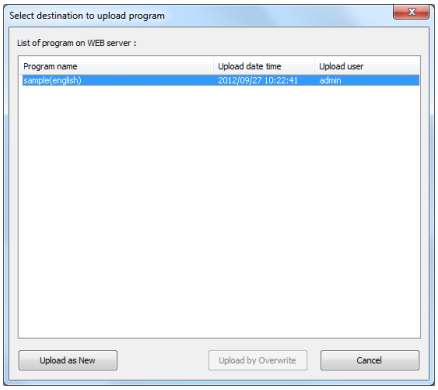


3. **Enter the login information.**
   After it is entered, a program list will appear.
   If you checked “Remember login information” the first time you established a connection, a program list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).

4. **Click [Upload as New]. To overwrite the uploaded program, click [Upload by Overwrite].**

5. **Click [OK].**
   The program upload is now completed.

   When a program with a large file size is uploaded, it will take time to expand the data after uploading is finished. For this reason, it may take several seconds to a minute for the program changes to be applied to the server.



Uploading content and scroll message

Upload content and scroll message to the management PC.

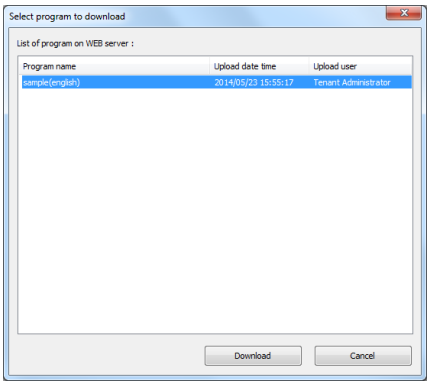
1. **From the [Pro WEB Server] menu, click [Upload My Content] or [Upload Scroll Message].**
2. **Select the data to be uploaded and click [Open].**
   The login information entry window will appear.
3. **Enter the login information.**
   After it is entered, a program list will appear.
   If you checked “Remember login information” the first time you established a connection, a program list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
4. **Specify the name of the file to be uploaded and click [OK].**
   A dialog box indicating upload completion will appear.
5. **Click [OK].**
   The content/scroll message upload is now complete.

It may take a while before the uploaded data is reflected on the server and appears in the list.
Downloading a program

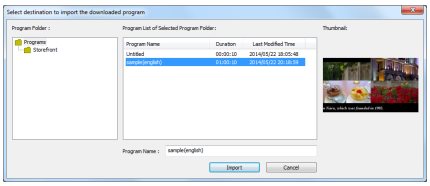
Downloading a program

Download a program stored on the management PC to the operation PC.

1. **From the [Pro WEB Server] menu, click [Download Program].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a program list will appear.
   If you checked “Remember login information” the first time you established a connection, a program list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
3. **From the “List of program on WEB server”, select a program and click [Download].**



4. **Select the save folder and click [Import].**
   “Do you want to open the downloaded program in Program Editor?” will appear.
5. **Click [Yes] or [No].**
   The program download is now completed.



Downloading content/scroll message

Download content/scroll messages stored on the management PC to the operation PC.

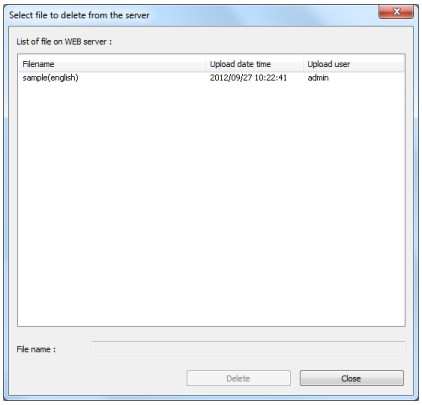
1. **From the [Pro WEB Server] menu, click [Download My Content] or [Download Scroll Message].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a program list will appear.
   If you checked “Remember login information” the first time you established a connection, a program list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
3. **Select data from the data list and click [OK].**
4. **Specify the save location and click [Save].**
   A dialog box indicating download completion will appear.
5. **Click [OK].**
   The content/scroll message download is now completed.

Deleting Programs, Content and Scroll Messages on the Server

Deleting a program on the server

Delete a program stored on the management PC.

1. **From the [Pro WEB Server] menu, click [Remove Program from the server].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a program list will appear.
   If you checked “Remember login information” the first time you established a connection, a program list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
3. **Select a program from the “List of program on WEB Server” and click [Delete].**



4. **Click [Yes].**
   The selected program has now been deleted.

Deleting content/scroll message on the server

Delete content/scroll messages stored on the management PC.

1. **From the [Pro WEB Server] menu, click [Remove My Content from the server] or [Remove Scroll Message from the server].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a file list will appear.
   If you checked “Remember login information” the first time you established a connection, a file list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
3. **Select a file from the file list and click [Delete].**
4. **Click [Yes].**
   The selected content or scroll message will be deleted.

Uploading a large number of programs, content and scroll messages to the management PC reduces the disk space of the management PC.Delete unnecessary programs, content and scroll messages at regular intervals.

Signage Widgets

You can paste and display signage widgets in the background or in frames 1-4.
The following signage widgets are available: analog clock, digital clock, RSS, SNS message, and weather forecast.
Before use, check the “SNS message signage widget” information (☞p.10) under “System operation precautions”.
If you want to make the background of a signage widget transparent (such as when overlapping frames), use the property screen of the contents to set the background color to transparent.

● Launching and closing the signage widget launcher

This section explains how to launch and close the signage widget launcher as well as gives an overview of the signage widget launcher.

Launching the signage widget launcher

1. **In the [Background] tab or [Frame1] to [Frame4] tab in Program Editor, click** **.**
   This will launch the signage widget launcher.



- You can also launch the signage widget launcher by clicking  in Conditional Content Editor.
- You can also launch the signage widget launcher by clicking the [Start] button on the Windows Taskbar, and then clicking “All Programs” - “SHARP Digital Signage Software” - “Tools” - “Signage Widget Launcher” in order.

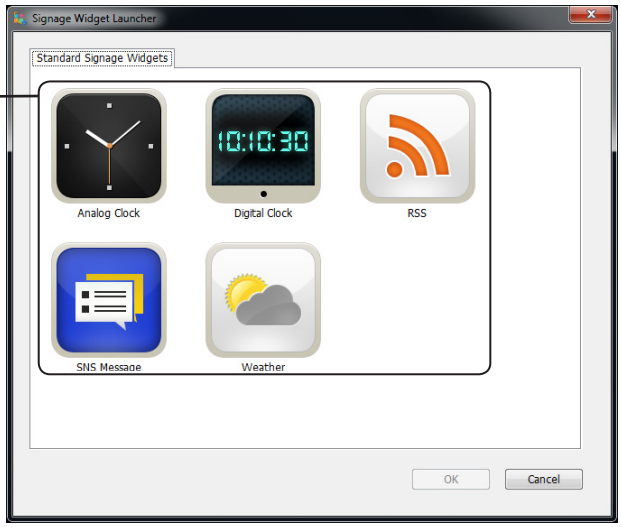
Closing the signage widget launcher

1. **Click**  **in the signage launcher.**
   The signage widget launcher will close.

About the signage widget launcher

The signage widget launcher is a screen that is used to start the creation of new signage widget.

1) Signage widgets



1) Signage widgets

Double-click an icon to launch the editor for the selected signage widget type.

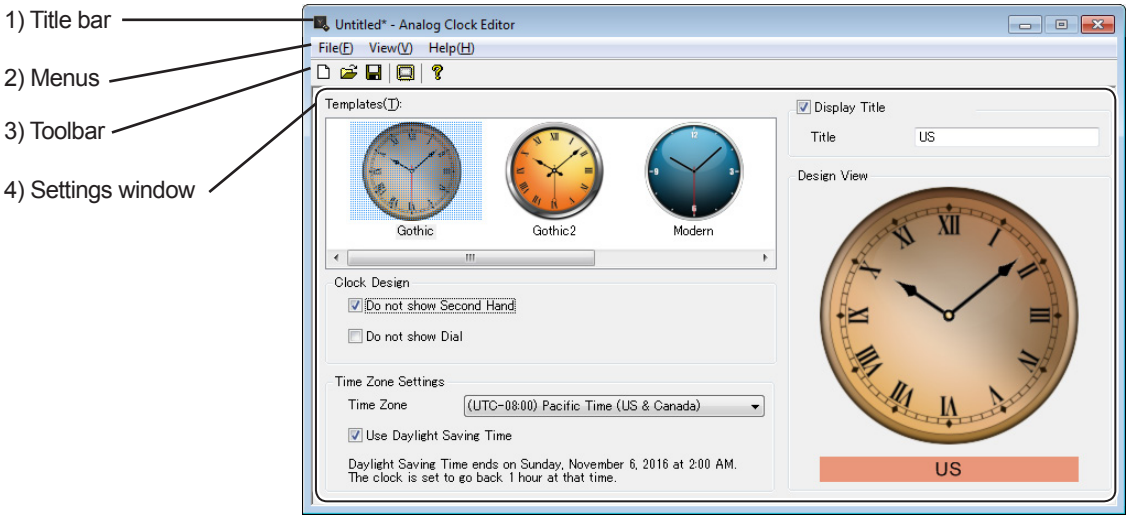
● Analog Clock Editor

Use this editor to create or edit a signage widget that is used to display an analog clock.
The created content file (.anc file) can be used as content in Program Editor.

Launching the Analog Clock Editor

1. **Double-click  in the signage widget launcher.**
   This will launch the “Analog Clock Editor”.

The main Analog Clock Editor window



1) Title bar

Displays the file name. When Editor launches, the title bar will read “Untitled”. When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the “File”, “View” and “Help” menus. Menu options are as follows:

Menu option		Description
File	New	Opens a new file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Save As	Saves the currently edited content file under a different name.
	Exit	Exits Editor.
View	Preview	Displays a preview of the currently edited content file. The preview is displayed at the size of the preview settings.
Help	Version Info.	Displays version information for Editor.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description
	New	Creates a new content file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Preview	Displays a preview of the currently edited content file. Press the [Esc] key to close the preview.
	Version Info.	Displays version information for Editor.

4) Settings Window

For more details, continue reading from step 2.

2. **Select a “Template”.**

   Select a template for the analog clock screen design.

3. **Set the “Clock Design”.**

   1) “Do not show Second Hand”
      If you do not want to display the seconds hand, select the “Do not show Second Hand” check box.
   2) “Do not show Dial”
      If you want to display just the hands, select the “Do not show Dial” check box.

4. **Set the “Time Zone”.**

   1) “Time Zone”
      Select the time zone from the list box.
   2) “Use Daylight Saving Time”
      If you want to use daylight saving time, select the “Use Daylight Saving Time” check box.

5. **Set the “Display Title”.**

   1) “Display Title”
      To use a display title, select the “Display Title” check box, and then enter the name in the “Title” text box. (Names must be within 50 characters.)

6. **Click [Save] from the [File] menu. Or click**  **.**

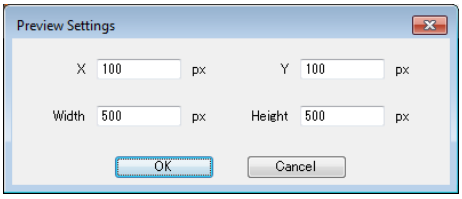
   The [Save As] dialog box will appear. Click [Save].
   The content file will be saved in the following folder.
   • C:\ProgramData\Sharp\Digital Signage Software\AnalogClockConfig

   This completes the creation of the content file.
   To delete the saved content file, delete it from the Windows Explorer screen.

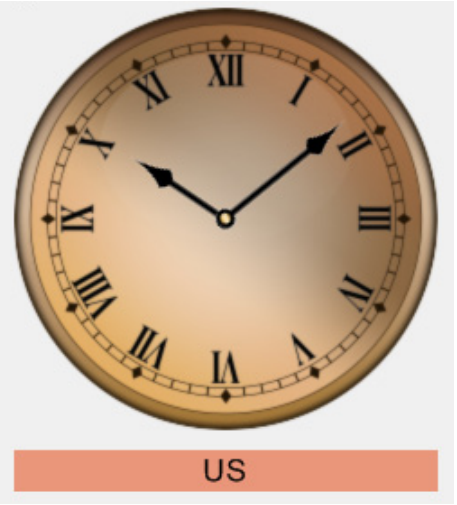
Displaying a preview

1. **Click [Preview] in the [View] menu or click .**
2. **Enter the display position and size of the preview window.**

   X, Y: Preview position (X, Y coordinates of top left corner)
   Width, Height: Preview size



3. **Check the preview in the preview window.**



4. **Press the [ESC] key to close the preview window.**

- The display corresponds to the time zone setting configured on the basis of the internal clock of the viewer PC. To display the correct time, ensure that the terminal's internal clock is always correct by synchronizing it with an Internet time server or through a similar method.
- When the "Use Daylight Saving Time" check box is selected, the daylight saving time information obtained by the management PC is saved to the content file and the time is switched on the viewer PC side according to this information. If the daylight saving time information is updated by Windows Update or a similar method, create the content file and distribute it to the viewer PC again.

● Digital Clock Editor

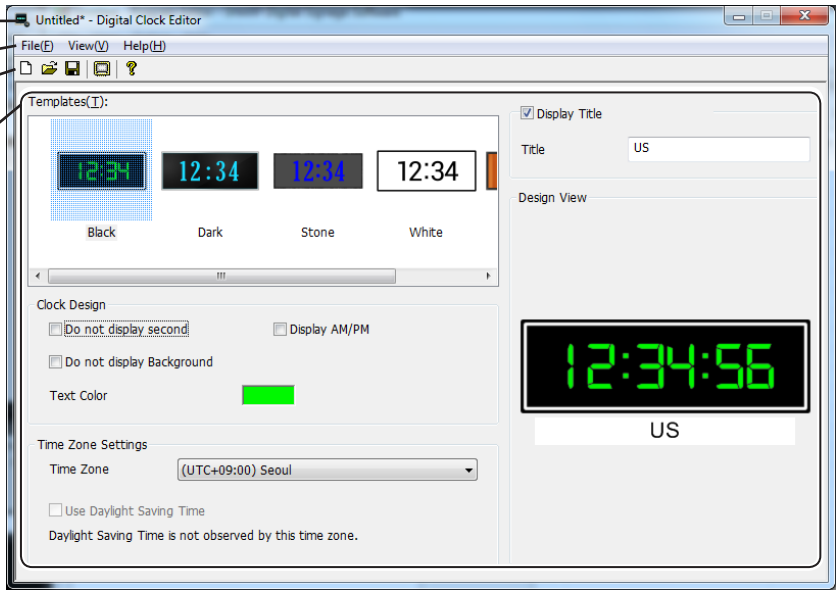
Use this editor to create or edit a signage widget that is used to display a digital clock.
The created content file (.dgi file) can be used as content in Program Editor.

Launching the Digital Clock Editor

1. **Double-click  in the signage widget launcher.**
   This will launch the “Digital Clock Editor”.

The main Digital Clock Editor window

1) Title bar
2) Menus
3) Toolbar
4) Settings window



1) Title bar

Displays the file name. When Editor launches, the title bar will read “Untitled”. When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the “File”, “View” and “Help” menus. Menu options are as follows:

Menu option		Description
File	New	Opens a new file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Save As	Saves the currently edited content file under a different name.
	Exit	Exits Editor.
View	Preview	Displays a preview of the currently edited content file. The preview is displayed at the size of the preview settings.
Help	Version Info.	Displays version information for Editor.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description
	New	Creates a new content file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Preview	Displays a preview of the currently edited content file. Press the [Esc] key to close the preview.
	Version Info.	Displays version information for Editor.

4) Settings Window

For more details, continue reading from step 2.

2. **Select a "Template".**

   Select a template for the digital clock screen design.

3. **Set the "Clock Design".**

   1) "Do not display second"
      If you do not want to display the seconds, select the "Do not display second" check box.
   2) "Do not display Background"
      If you want to display just the time, select the "Do not display Background" check box.
   3) "Display AM/PM"
      If you want to display the time using the 12-hour system, select the "Display AM/PM" check box.
   4) "Text Color"
      To change the text color, click the rectangle in which a color is displayed. The [Color] dialog box will appear. Use this dialog box to change the color.

4. **Set the "Time Zone".**

   1) "Time Zone"
      Select the time zone from the list box.
   2) "Use Daylight Saving Time"
      If you want to use daylight saving time, select the "Use Daylight Saving Time" check box.

5. **Set the "Display Title".**

   1) "Display Title"
      To use a display title, select the "Display Title" check box, and then enter the name in the "Title" text box. (Names must be within 50 characters.)

6. **Click [Save] from the [File] menu. Or click .**

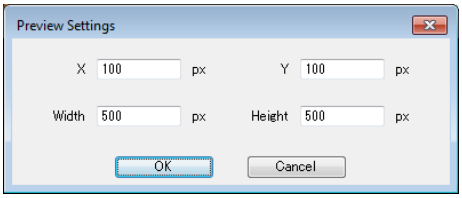
   The [Save As] dialog box will appear. Click [Save].
   The content file will be saved in the following folder.
   • C:\ProgramData\Sharp\Digital Signage Software\DigitalClockConfig

   This completes the creation of the content file.
   To delete the saved content file, delete it from the Windows Explorer screen.

Displaying a preview

1. **Click [Preview] in the [View] menu or click** .
2. **Enter the display position and size of the preview window.**

   X, Y: Preview position (X, Y coordinates of top left corner)
   Width, Height: Preview size



3. **Check the preview in the preview window.**



4. **Press the [ESC] key to close the preview window.**



- The display corresponds to the time zone setting configured on the basis of the internal clock of the viewer PC. To display the correct time, ensure that the terminal's internal clock is always correct by synchronizing it with an Internet time server or through a similar method.
- When the "Use Daylight Saving Time" check box is selected, the daylight saving time information obtained by the management PC is saved to the content file and the time is switched on the viewer PC side according to this information. If the daylight saving time information is updated by Windows Update or a similar method, create the content file and distribute it to the viewer PC again.

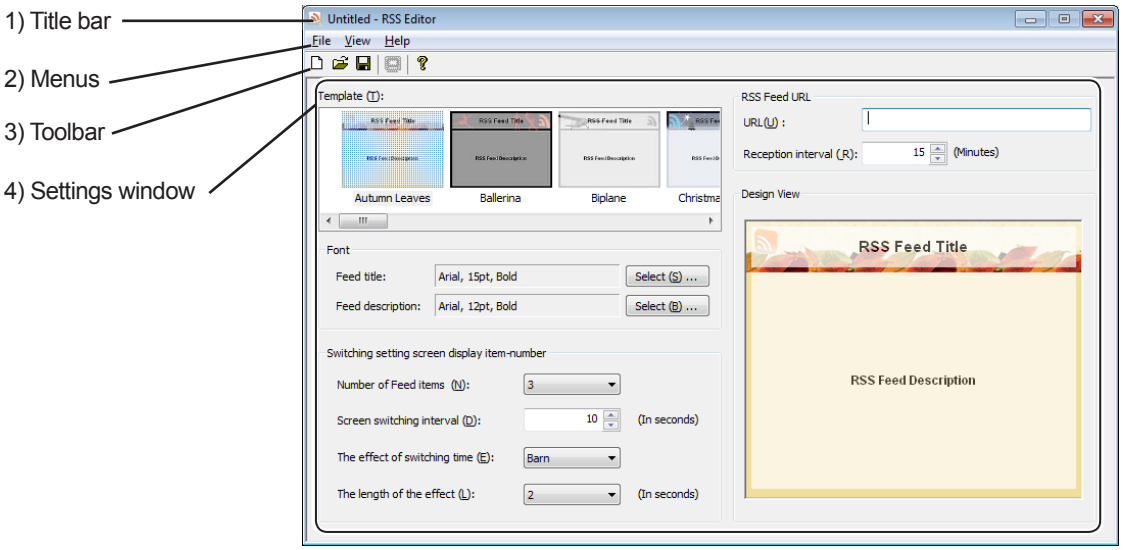
• RSS Editor

Use this editor to create or edit a signage widget that is used to display an RSS feed from a server on the intranet or Internet.
A created content file (.erc file) can be used as content in Program Editor.

Launching the RSS Editor

1. **Double-click in the signage widget launcher.**
   "RSS Editor" will launch.

The main RSS Editor window



1) Title bar

Displays the file name. When Editor launches, the title bar will read "Untitled". When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the "File", "View" and "Help" menus. Menu options are as follows:

Menu option		Description
File	New	Opens a new file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Save As	Saves the currently edited content file under a different name.
	Exit	Exits Editor.
View	Basic	Edits the content file using a template.
	Advanced	Edits the content file with a user specified design. A CSS (style sheet) is also available.
	Preview	Displays a preview of the currently edited content file. The preview is displayed at the size of the preview settings.
Help	Version Info.	Displays version information for Editor.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description
	New	Creates a new content file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Preview	Displays a preview of the currently edited content file. Press the [Esc] key to close the preview.
	Version Info.	Displays version information for Editor.

4) Settings Window

For more details, continue reading from step 2.

2. **Select a "Template".**

   Select a template for the RSS feed screen display design.

3. **Set the "RSS Feed URL".**

   1) "URL"
      Enter the URL for the server to retrieve RSS feeds.
   2) "Reception interval"
      Specify the interval to retrieve RSS feeds in minutes. (Maximum of 60 minutes)

4. **Specify the "Font".**

   1) "Feed title"
      Set the font for text displayed in the title area of a RSS feed. Click [Select] to specify the font.
   2) "Feed description"
      Select the font for text displayed in the body area of an RSS feed. Click [Select] to specify the font.

5 Specify the "Switching setting screen display item-number".

1) "Number of Feed items"
   Select the number of items to be displayed on the window from the list box. (Maximum of 7 items)
2) "Screen switching interval"
   Specify the interval to switch the items to be displayed on the window in seconds.
3) "The effect of switching time"
   Specify the slide show effect when the item is updated.
4) "The length of the effect"
   Specify the duration of the slide show effect in seconds.

6. Click [Save] from the [File] menu. Or click .

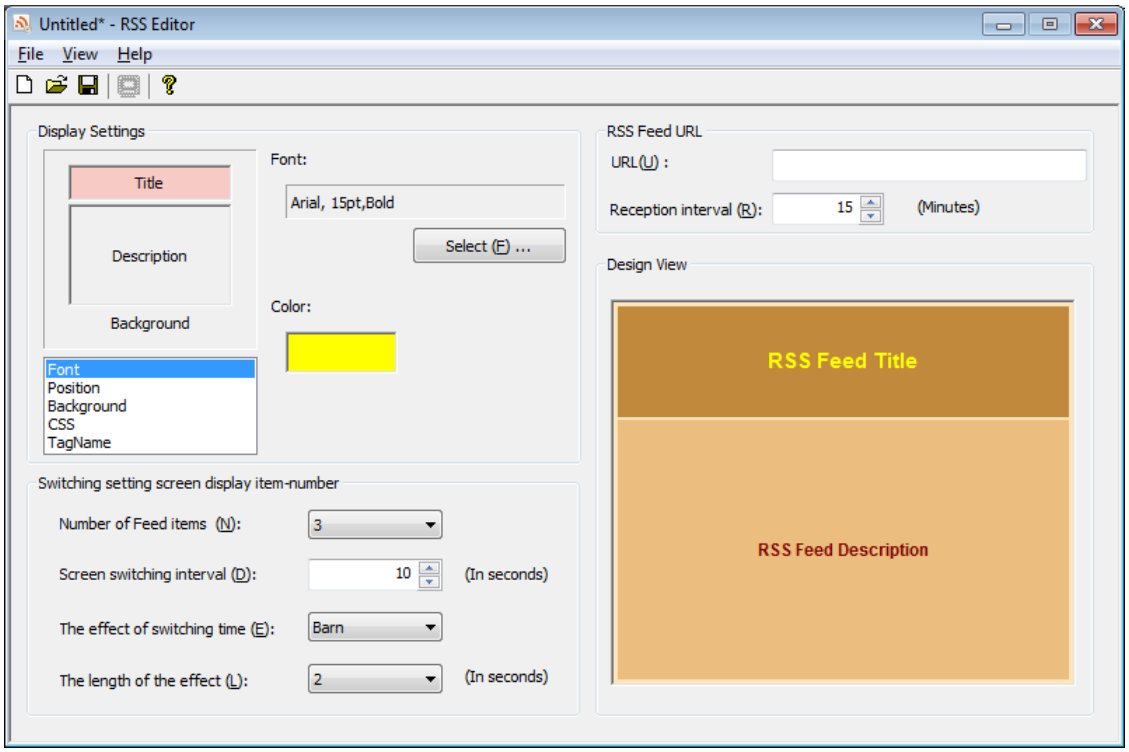
The [Save As] dialog box will appear. Click [Save].
The RSS content file will be saved in the following folder.

- C:\ProgramData\SHARP\Digital Signage Software\RSSConfig

This completes the creation of the content file.
To delete the saved content file, delete it from the Windows Explorer screen.

- Internet Explorer on the viewer PC is used to display the RSS feed.
- The display may differ depending on the version of Internet Explorer installed on the viewer PC.

Clicking [Advanced] from the [View] menu allows you to specify the screen design settings in details.

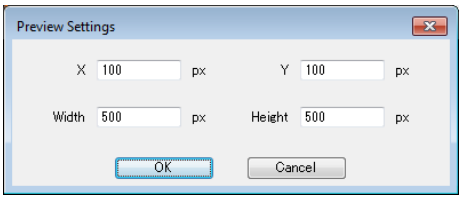


1) “Title”, “Description” and “Background”
   Click any of the items to set the individual elements (Font, Position, Background, CSS and TagName).
2) Elements
   “Font”
   Click [Select] and specify the font type, style and size.Specify the font color in the [Color] dialog displayed by clicking the palette.
   “Position”
   Select the horizontal and vertical positions of the RSS feed from the list box.
   “Background”
   Select a background image or color with a radio button.
   “CSS”
   Describes the style specified in the cascading style sheet (CSS).
   “TagName”
   Use the option buttons to select the “Default Tag” or the “Select Tag”.
   If you select “Select Tag”, enter a tag character string 1 to 100 characters in length.

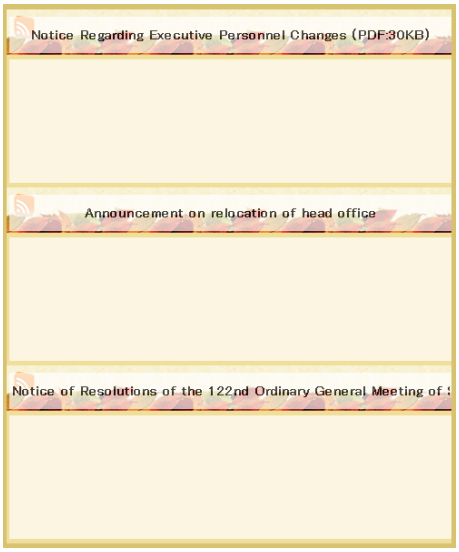
The operation of items other than “Display settings” is the same as for basic mode operation.

Displaying a preview

1. **Click [Preview] in the [View] menu or click .**
2. **Enter the display position and size of the preview window.**
   X, Y: Preview position (X, Y coordinates of top left corner)
   Width, Height: Preview size



3. **Check the preview in the preview window.**



4. **Press the [ESC] key to close the preview window.**

● SNS Message Editor

Use this editor to create or edit a signage widget that is used to display Twitter Tweets.
Before use, check the “SNS message signage widget” information (☞p.10) under “System operation precautions”.
The created content file (.twt file) can be used as content in Program Editor.

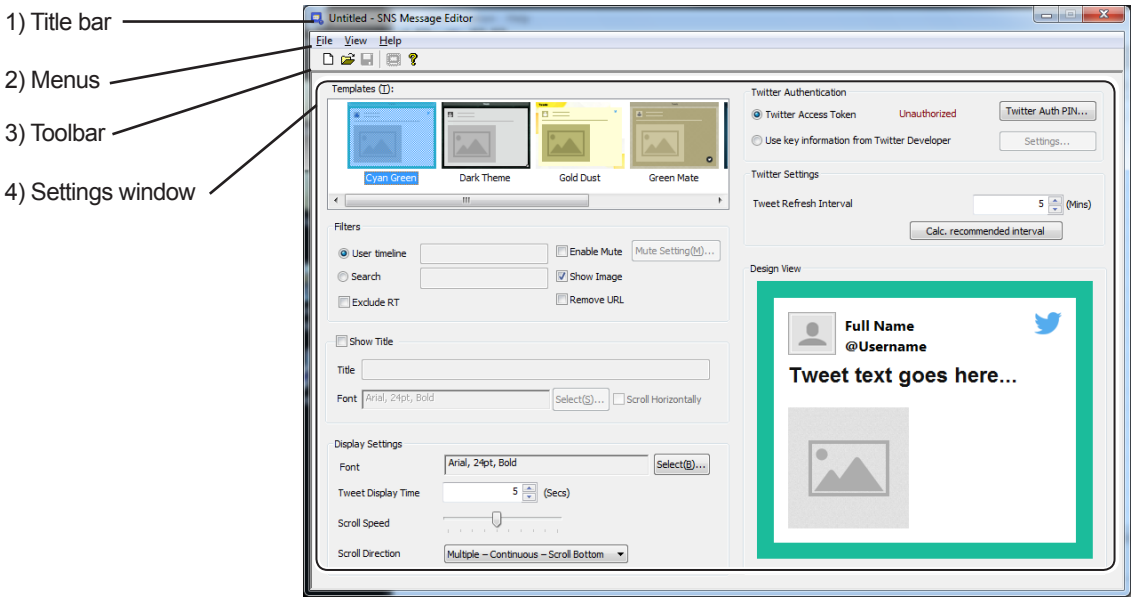
Authentication for using Twitter

The Twitter API is used in SNS messages in order to obtain Tweets. To use the Twitter API, it is necessary to perform authentication in order to obtain the token that is required for access. Application-user authentication (Twitter Access Token) and application-only authentication (Use key information from Twitter Developer) are both supported. Normally use “Twitter Access Token”.

Launching the SNS Message Editor

1. **Double-click  in the signage widget launcher.**
   This will launch the “SNS Message Editor”.

The main SNS Message Editor window



1) Title bar

Displays the file name. When Editor launches, the title bar will read “Untitled”. When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the “File”, “View” and “Help” menus. Menu options are as follows:

Menu option		Description
File	New	Opens a new file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Save As	Saves the currently edited content file under a different name.
	Exit	Exits Editor.

Menu option		Description
View	Preview	Displays a preview of the currently edited content file. The preview is displayed at the size of the preview settings.
Help	Version Info.	Displays version information for Editor.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

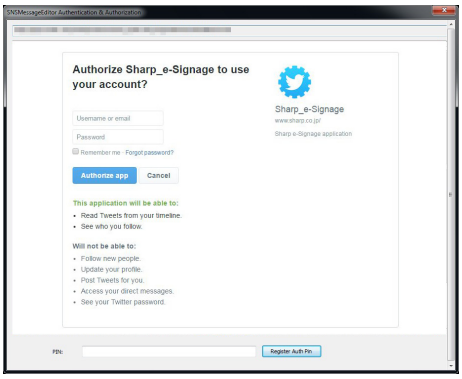
Icon	Menu option	Description
	New	Creates a new content file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Preview	Displays a preview of the currently edited content file. Press the [Esc] key to close the preview.
	Version Info.	Displays version information for Editor.

4) Settings Window

For more details, continue reading from step 2.

2. Set the “Twitter Authentication”.

1) “Twitter Access Token”
To use the user account as the Twitter authentication method, select the “Twitter Access Token” option button. Click [Twitter Auth PIN]. Then, on the screen that appears, enter the Twitter “Account name” and “Password”, and then click [Authorize app]. Enter the displayed PIN code for “PIN”, and then click [Register Auth Pin].
PIN input field is located at the bottom of the screen. Depending on the Windows desktop settings, you may need to scroll towards the bottom of the active Window in order to display the PIN input field on screen.



2) “Application account settings”
To use the application account for Twitter authentication, select the [Use key information from Twitter Developer] option button.
This authentication method requires use of your consumer key and consumer secret. This authentication method is not commonly used.

3. Select a “Template”.

Select a template for the SNS message screen design.

4. Set the “Filters”.

1) “User timeline”
To display the user timeline, select the “User timeline” option button.
When you are using application-user authentication, the Tweets of the user used during authentication will be displayed.
When you are using application-only authentication, enter the user to specify. Up to 200 Tweets can be obtained.
2) “Search”
To search for Tweets using a search string, select the “Search” option button and enter the search string. Up to 100 Tweets can be obtained.
3) “Exclude RT”
To display the obtained Tweets with Retweets deleted, select the “Exclude RT” check box.
4) “Enable Mute”
To enable muting, select the “Mute” check box.
You can specify accounts (within 100 characters) and words (within 100 characters) that will not be displayed. You can specify multiple items by separating them with commas (“,”).
5) “Show Image”
To show images included in Tweets, select the “Show Image” check box. You can also display videos.
6) “Remove URL”
To remove character strings starting with “http://” or “https://” from the character strings included in Tweets, select the “Remove URL” check box.

5. Set the “Show Title”.

1) “Show Title”
To show a name at the top of Tweets, select the “Show Title” check box, and then enter the name in the “Title” text box. (Names must be within 100 characters.) You can click [Select] to display the [Font] dialog box in which you can change the font.

6. Set the “Display Settings”.

1) “Font”
To change the font of the characters displayed in the Tweets, click [Select], and then specify the font type, style, and size.
2) “Tweet Display Time”
Set the amount of time that each Tweet is displayed for.
3) “Scroll Speed”
Drag the slider to the left or right to set the scroll speed.
4) “Scroll Direction”
Select the scroll method from the list box.

7. Set the “Twitter Settings”.

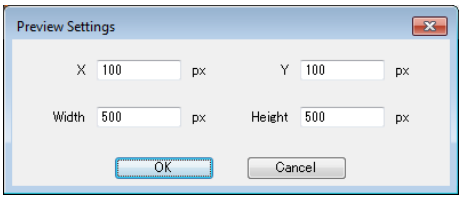
1) “Tweet Refresh Interval”
Set the interval at which to access the server in order to obtain Tweets.
Use the “Calc. recommended interval” button to set the interval at which Tweets are obtained to the recommended value according to the number of viewer PCs. It may not be possible to obtain Tweets at the set interval due to the number of viewer PCs to which the Tweets are being distributed. Do not set the Tweet refresh interval to a value that is shorter than the recommended interval at which to obtain Tweets. The recommended interval at which to obtain Tweets is calculated for the case in which one SNS message is displayed on the program at a time.
Depending on the Tweet refresh interval, some of the obtained Tweets may not be displayed due to the Tweets being updated before all the Tweets have been displayed. In that case, increase the Tweet refresh interval.

8. **Click [Save] from the [File] menu. Or click .**
   The [Save As] dialog box will appear. Click [Save].
   The content file will be saved in the following folder.
   - C:\ProgramData\SHARP\Digital Signage Software\SNSConfig

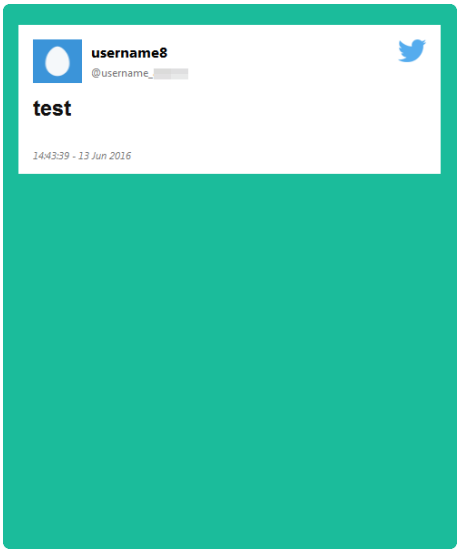
   This completes the creation of the content file.
   To delete the saved content file, delete it from the Windows Explorer screen.

Displaying a preview

1. **Click [Preview] in the [View] menu or click .**
2. **Enter the display position and size of the preview window.**
   X, Y: Preview position (X, Y coordinates of top left corner)
   Width, Height: Preview size



3. **Check the preview in the preview window.**



4. **Press the [ESC] key to close the preview window.**

- To use the SNS message signage widget, Microsoft Internet Explorer 10 or later is required. SNS messages cannot be used on Microsoft Windows Vista or Microsoft Windows Server 2008.
- When there is only one SNS message to be displayed simultaneously, it can be distributed to up to 100 viewer PCs. (Messages distributed to 101 or more terminals may not be displayed.) When displaying multiple SNS messages at the same time and for programs that repeatedly start and stop SNS messages in a short period of time, the number of viewer PCs to which the messages can be distributed may decrease.
- When “Filters” is set to “User timeline”, up to four images can be displayed. When “Filters” is set to “Search”, only one image can be displayed. Only thumbnail images are displayed for videos and animated GIFs. The positional information and polls are not displayed.

● Weather Forecast Editor

Use this editor to create or edit a signage widget that is used to display weather forecasts.
Before use, check the “Weather forecast signage widget” information (☞p.10) under “System operation precautions”.
The created content file (.whr file) can be used as content in Program Editor.

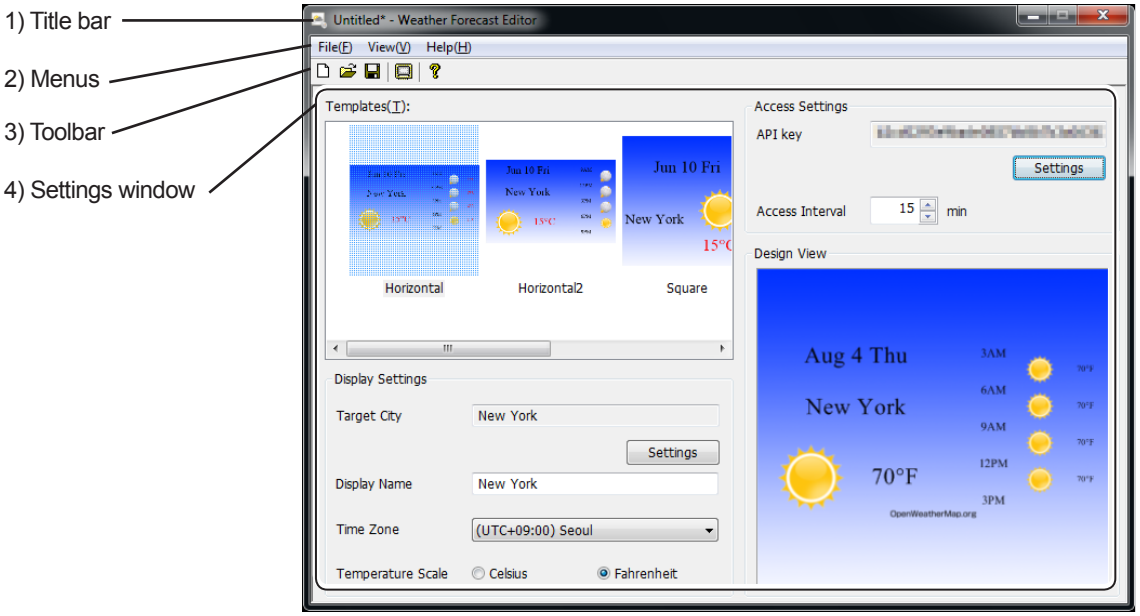
Authentication for using weather forecasts

OpenWeatherMap, a website for distributing weather forecast information, is accessed to obtain and display weather forecast information.
You have to obtain an API key from OpenWeatherMap in advance. Access https://home.openweathermap.org/users/sign_up; create, register, and log in to an OpenWeatherMap account; and then check the “Key” on the “API Keys” tab.

Launching the Weather Forecast Editor

1. **Double-click  in the signage widget launcher.**
   This will launch the “Weather Forecast Editor”.

The main Weather Forecast Editor window



1) Title bar

Displays the file name. When Editor launches, the title bar will read “Untitled”. When a file is saved, it will change to the name of the file. When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the “File”, “View” and “Help” menus. Menu options are as follows:

Menu option		Description
File	New	Opens a new file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Save As	Saves the currently edited content file under a different name.
	Exit	Exits Editor.

Menu option		Description
View	Preview	Displays a preview of the currently edited content file. The preview is displayed at the size of the preview settings.
Help	Version Info.	Displays version information for Editor.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description
	New	Creates a new content file.
	Open	Loads a stored content file.
	Save	Saves the currently edited content file.
	Preview	Displays a preview of the currently edited content file. Press the [Esc] key to close the preview.
	Version Info.	Displays version information for Editor.

4) Settings Window

For more details, continue reading from step 2.

2. Set the “Access Settings”.

1) “API key”
Click [Settings]. Then, in the dialog box that appears, enter the API key to use in obtaining information from OpenWeatherMap. Click [Connection Test] to test the connection.
Click [OK] to complete the configuration.

2) “Access Interval”
Set the interval (in minutes) at which to obtain weather information.

3. Select a “Template”.

Select a template for the weather forecast screen design.

4. Set the “Display Settings”.

1) “Target City”
Click [Settings]. Then, in the dialog box that appears, search for the city. Enter the name in the “Search by city name” text box (names must be within 50 alphanumeric characters and symbols), and then click [Search]. Select the city to display, and then click [OK] to complete the configuration.
“Search by city name” entry method
• Using a comma (“,”) to specify the country
Examples) Tokyo,JP/
New York,USA/New York,US
• Using a hyphen (“-”) to specify the city
Examples) Nagoya-shi,JP/
Newyork-city,USA
Search results display
• The display result is “city name(country name) - (latitude, longitude)*”
* The south latitude and the west longitude are displayed as negative values (“-”).
Examples) Tokyo(JP) - (35.68, 139.69) [north latitude: 35.68°, east longitude: 139.69°]
New York(US) - (40.71, -74.00) [north latitude: 40.71°, west longitude: 74°]

2) “Display Name”
To use a display name, enter the name in the “Display Name” text box. (Names must be within 25 characters.) If “Display Name” text box is blank, the selected city name is displayed as the display name. Entering text in “Display Name” results in city name being replaced with what is entered in text box.
3) “Time Zone”
Select the time zone from the list box.
4) “Temperature Scale”
Use the option buttons to select the temperature scale.

5. Click [Save] from the [File] menu. Or click .

The [Save As] dialog box will appear. Click [Save].
The content file will be saved in the following folder.

- C:\ProgramData\Sharp\Digital Signage Software\WeatherConfig

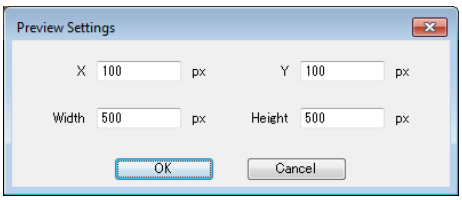
This completes the creation of the content file.
To delete the saved content file, delete it from the Windows Explorer screen.

Displaying a preview

1. Click [Preview] in the [View] menu or click .

2. Enter the display position and size of the preview window.

X, Y: Preview position (X, Y coordinates of top left corner)
Width, Height: Preview size



3. Check the preview in the preview window.



4. Press the [ESC] key to close the preview window.

- When there is only one weather forecast to be displayed simultaneously, it can be distributed to up to 100 viewer PCs. (Messages distributed to 101 or more terminals may not be displayed.) When displaying multiple SNS messages at the same time and for programs that repeatedly start and stop weather forecasts in a short period of time, the number of viewer PCs to which the messages can be distributed may decrease.
- The display corresponds to the time zone setting configured on the basis of the internal clock of the viewer PC. To display weather forecasts correctly, ensure that the terminal’s internal clock is always correct by synchronizing it with an Internet time server or through a similar method.
- The time zone daylight saving time information is saved to the content file on the basis of the daylight saving time information obtained by the management PC, and the time is displayed on the viewer PC side according to this information. If the daylight saving time information is updated by Windows Update or a similar method, create the content file and distribute it to the viewer PC again.

Conditional Content

When creating Playlists with the program editor, most of the content is the same, and in many cases, multiple Playlists with only one differing part are created. In these cases, you can display Playlists with only the differing part changed according to specified conditions when using conditional content.

Basic Screens for Conditional Content Editor

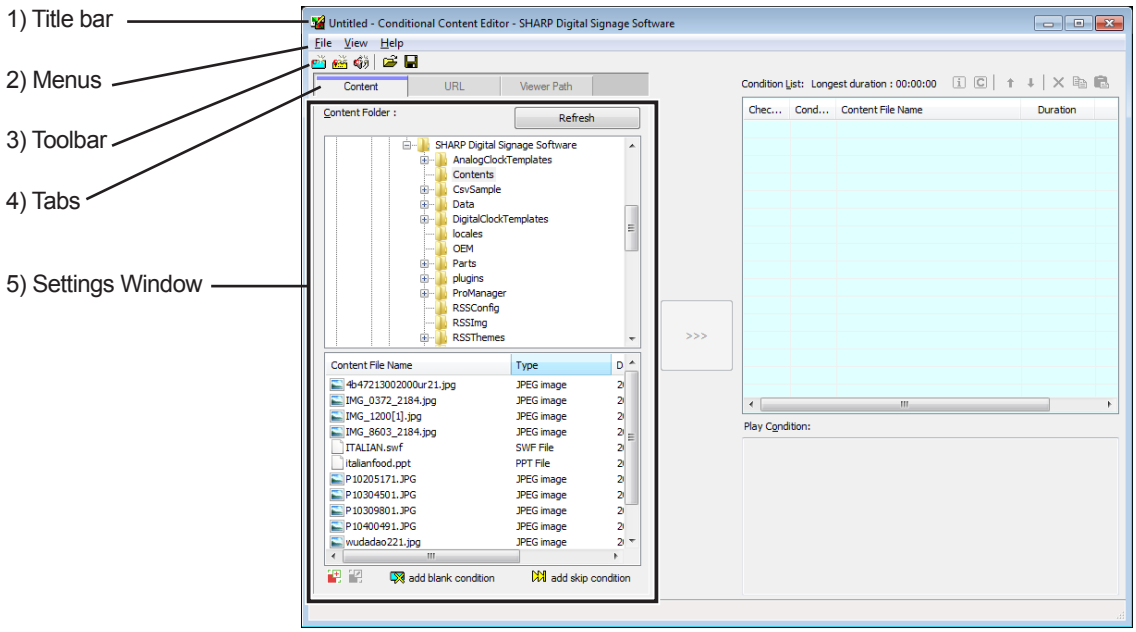
● Launching Conditional Content Editor

1. **Click the [Start] button on the Windows Taskbar, and then click "All Programs" - "SHARP Digital Signage Software" - "Tools" - "Conditional Content Editor" in order.**

   This will launch "Conditional Content Editor."

   * You can add to or edit playlists by selecting "Replace to Conditional Content" from the Program Editor playlist.

● Basic Screens for Conditional Content Editor



1) Title bar

Displays the file name. When Editor launches, the title bar will read "Untitled." When a file is saved, it will change to the name of the file.
When content of an opened file is changed, the title bar will display an asterisk (*) after the file name.

2) Menus

The following are the contents of the [File], [View], and [Help] menus.

Menu option		Description
File	Create New Conditional Content	Opens a new file.
	Open Conditional Content	Reads saved conditional content.
	Save Conditional Content	Saves the currently edited conditional content.
	Save Conditional Content As	Saves the currently edited conditional content under a different name.
	Exit	Quits Conditional Content Editor.
View	Show Content Preview Window	Displays a preview of the currently edited conditional content in a window the size of the preview window.
	Refresh	Updates content from the content folders in the event that content files have been added to or deleted from the Conditional Content Folder since this software was launched.
Help	About Conditional Content Editor	Displays version information for Conditional Content Editor.

3) Toolbar

The function of each button (icon) is as follows.

Icon	Menu option	Description
	Create New Conditional Content for Background/ Frame	Creates new conditional content for background/frames.
	Create New Conditional Content for Message	Creates new conditional content for scroll messages.
	Create New Conditional Content for Sound	Creates new conditional content for sound.
	Open Conditional Content	Reads saved conditional content.
	Save Conditional Content	Saves conditional content.

4) Tabs

When you click any of the [Content], [URL] or [Viewer Path] tabs, you will go to the setting window for that tab.

5) Settings Window

Set details for the tab that you selected.

Creating Conditional Content

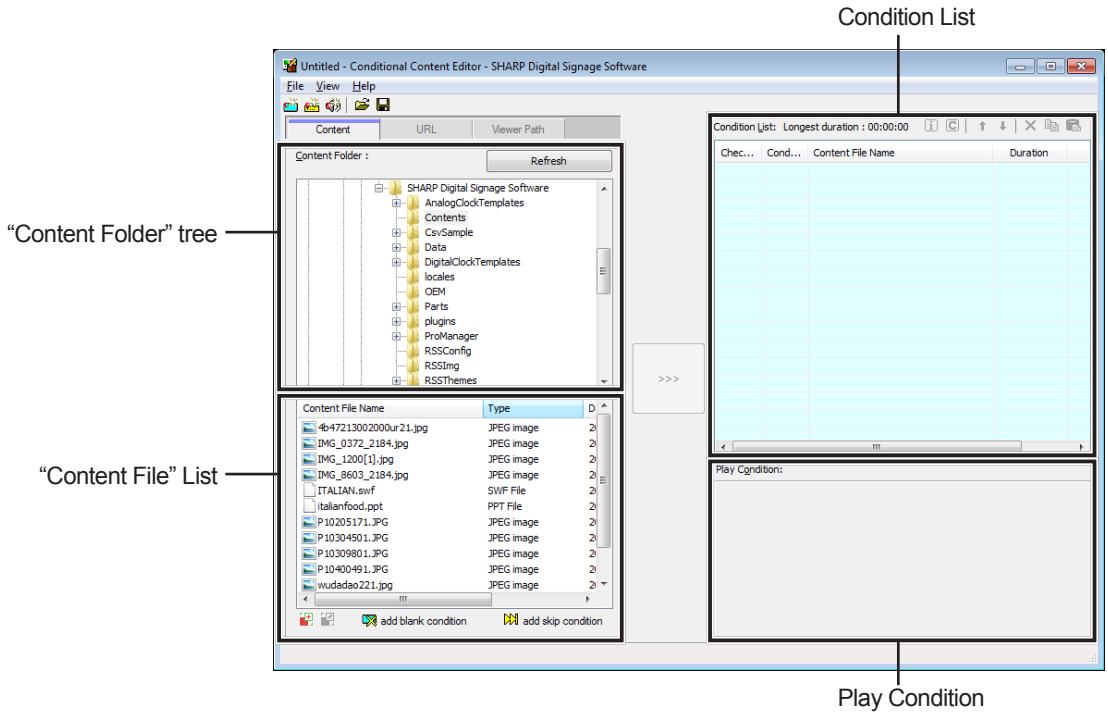
● Compatible Content File Formats

The following file formats can be used as content.

Types of Conditional Content	Compatible File Extensions
Background, Frame	.jpg, .jpeg, .gif, .png, .bmp, .avi, .mpeg, .mpg, .wmv, .asf, .mov, .mp4, .swf, .ppt, .pptx, .pps, .ppsx, .htm, .html, .exe, .anc, .dgi, .erc, .twt, .whr
Scroll Messages	.tlp
Audio	.wav, .mp3, .au, .aif, .aiff, .wma, .mid, .midi, .mov

● Configuring Conditional Contents

Set project names, playback start dates, and Viewer PC panel attributes for conditional content.



1. **From the "Content Folder" tree, Select the folder where the content files you want to use are located.**
   You can also display content by specifying "URL" or "Viewer Path."

   The [URL] Tab

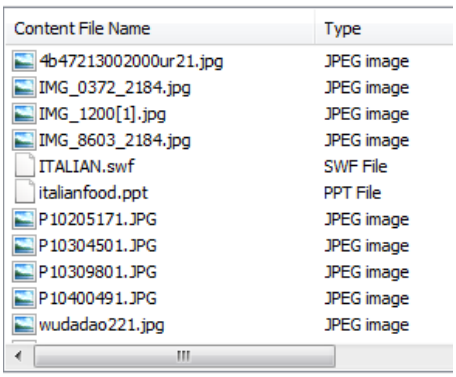
   Displays the HTML of a specified URL as content.
   Enter a URL that can be referenced by the Viewer PC.
   If your PC can connect to the Internet, clicking [View URL] will connect to the URL you have entered.
   Check that you have connected properly and that the URL has been displayed correctly.

   [Viewer Path] Tab

   Displays the content file specified with [File Path On Viewer PC]. You can specify an EXE file. Enter a path that can be referenced by the viewer PC. For an EXE file, "Parameters" can be added.

   - When displaying large content files that are not frequently updated, save the files on the viewer PC in advance and only enter the paths that refer to them. This will help reduce the time it takes to send program contents.
   - Specify the absolute path of the viewer PC or the relative path from My Contents Folder (☞p.165).
   - The following parameters can be used.
     %L : X coordinate of top left corner of frame
     %T : Y coordinate of top left corner of frame
     %W : Width of frame
     %H : Height of frame
   - This software only launches or closes specified executable files at a specified time. It does not guarantee the actions of any executable files it launches.
   - Depending on the specifications of the file that is executed, it may not be able to launch or close correctly, or it may not be able to display windows in the correct position.

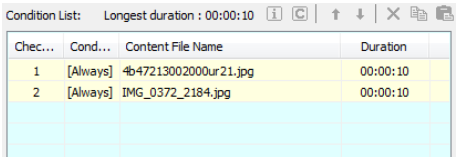
2. **Select the content files you want to use from the "Content File" List.**
   Refer to p.86 for file formats compatible with backgrounds and frames.



   - You can check content file previews in the [Show Content Preview Window] window. (☞p.88)
   - If using HTML content, make sure that images, movies and other files referred to in the HTML code are transferred to the same location, or a subdirectory of the same location, where the HTML file itself is stored (attached files).
     These can be added from content file properties. (☞p.89)
     Make sure that all attached files are defined by their relative paths in the HTML file.

3. **Click the icon.**

Content files are added to the end of the condition list.
For more details about how to set play conditions for condition lists, refer to p.91.

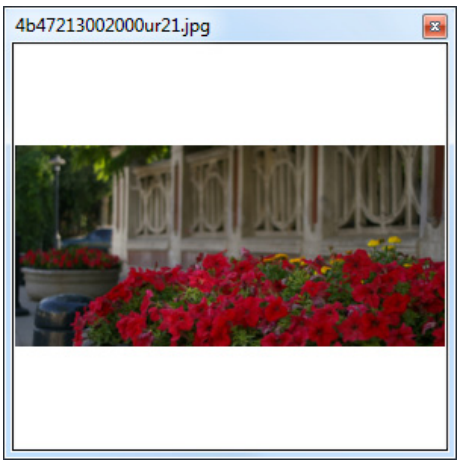


- In Step 2, you can register content files by double-clicking them or by dragging them from the “Content File” list to the [Condition List].
- You can hide content by clicking the icon on the bottom left of the screen.
- You can turn the sound off by clicking the icon on the bottom left of the screen.
- You can skip conditional content and play the next playlist by clicking the on the bottom left of the screen.
- By setting the playback conditions, the selected playback conditions will appear in the frame below the conditions list.
- The content files from the conditions list can be copied by dropping and dragging them while holding the [Ctrl] key.
- Clicking the buttons at the bottom of the “Content File” list ( ) or ( ) allows you to create a new or edit an existing signage widget. (☞p.66)

Preview Content

You can preview content files in the [Show Content Preview Window] window.
Click [Show Content Preview Window] from the [View] menu to preview the files.
Previews from the following types of files will not be displayed immediately. To preview these files, click the relevant icon displayed in the [Show Content Preview Window] window. (Click the text string if previewing a scroll message.)

- Files with a size of 2 MB or higher
- Video files
- PowerPoint files (Preview displayed in full screen mode)
- Scroll message files (Preview displayed in full screen mode)
- Signage widgets



Conditional Content

Content conditions are checked and only the first content that matches those conditions is displayed. The list plays in order starting from the top, and contents that do not match conditions are skipped.
The duration is the amount of time it takes to play content.
Content files on the condition list with the longest durations are displayed on the Maximum Duration List.

Clicking the buttons on the top right of a condition list performs the following actions:

Icon	Menu option	Description
	Show the properties of the content	Displays the properties of the currently selected content file. See below for more details.
	Set content playback conditions	Sets playback conditions for selected content. For more details, refer to p.91.
	Move content upward	Moves the selected content file one place forward (up) on the list. (You cannot move multiple content files.)
	Move content downward	Moves the selected content file one place backward (down) on the list. (You cannot move multiple content files.)
	Delete content	Deletes the selected content files from the conditions list. You can delete content files by pressing the [Delete] key.
	Copy the registered content	Copies the selected content file.
	Paste the registered content	Pastes the copied content file to the conditions list.

Properties of content

From the condition list, select a content file, and click  to display the [Properties of Content] dialog box. The following settings may be checked and adjusted:

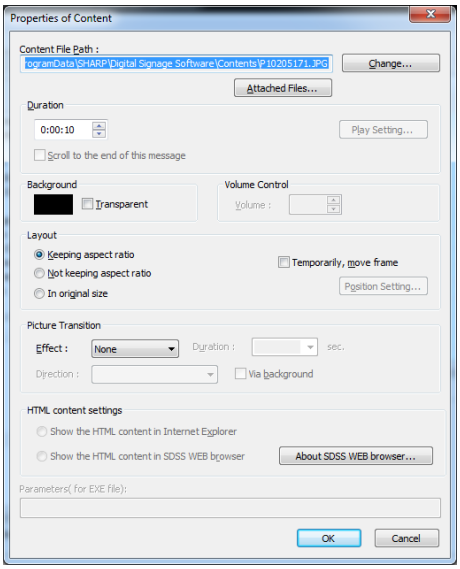
1) Content File Path

Displays the path to the content file.

- Clicking [Attached Files] will allow you to add a file or files from the [Attached Files] dialog box that appears.
- Clicking [Change] will allow you to change the file via the [Open] dialog box that appears.



If using HTML content, make sure that images, movies and other files referred to in the HTML code are transferred to the same location, or a subdirectory of the same location, where the HTML file itself is stored. Make sure that all attached files referenced in the HTML file are defined by their relative paths.



2) Duration

The duration of play can be set.

- When the content type is video, audio, or scroll message, you can set the operation to be performed when playback of the content is finished before the specified duration is reached. To set this, click [Play Setting].
- When the “Scroll to the end of this message” check box is cleared, playback of scroll message is forcibly terminated after the specified duration is reached even if playback is not finished yet (effective when the content type is scroll message).

3) Background

If the content is a still image file and you have checked the “Keeping aspect ratio” option button, you can specify a background color for the content.

Click the color swatch to display the [Color] dialog box and change the background color.

Click the box next to “Transparent” to make the background transparent.



The background color for the background frame will be displayed as black if the background color is set to transparent.

4) Volume Control

The volume can be set.

5) Layout

- “Keeping aspect ratio”/ “Not keeping aspect ratio” / and “In original size” option buttons

  You can select “Not keeping aspect ratio” when the content type is a still image or Flash.

  You can select “In original size” when the content type is a still image.

- “Temporarily, move frame” check box

  To change the screen position of the content temporarily, check this box and click [Position Setting]. The position and size of the frame can be specified for each content.

6) Picture Transition

When the content type is still image, the effect at screen switching can be set.

Select the effect from each pull-down menu.

A number can also be directly entered for “Duration”. (0.1 to 999.9 seconds)

If you check the “Via background” check box, the effect of displaying the background color at the time of screen switching is added.

7) HTML content settings

- “Internet Explorer” and “SDSS WEB browser” option buttons

  Select the web browser to use to display HTML content and the content of the HTML specified with “URL”.

  When you are displaying content in the SDSS web browser, reading in advance will not be performed even if HTML is set to be read in advance. Also, the content will be displayed in the foreground regardless of the frame.

  You can click “About SDSS WEB browser” to display the license information.

8) Parameters

Displays parameters for EXE files.

9) Executable command for optional contents

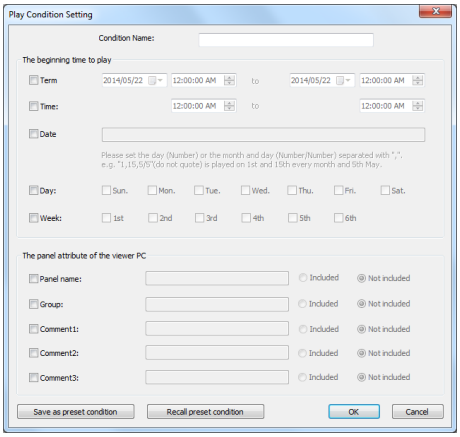
This is the signage widget’s execution parameter. Normally, do not edit this parameter.

Play Condition Setting

From the conditions list, select a content file and click C to display the [Properties of Content] dialog box. Select files from the list and right-click them. The display will remain visible even when [Set Play Condition] is selected.

The following settings may be checked and adjusted.

If you have set multiple conditions, the playlist will play when it matches all conditions.



1) Condition Name

You can set the playback condition name

2) Term

You can set the beginning and end dates.

3) Time

You can set the beginning and end times.

4) Date

You can set the playback date.

5) Day

You can set the day of the week for playback.

You can select multiple days of the week (e.g. Sunday-Monday).

6) Week

You can set playback to occur on a certain week of every month. You can select multiple weeks out of every month (e.g. first and third weeks).

7) Panel name

You can set playback to occur on the panels that contain or do not contain the characters that you enter.

8) Group

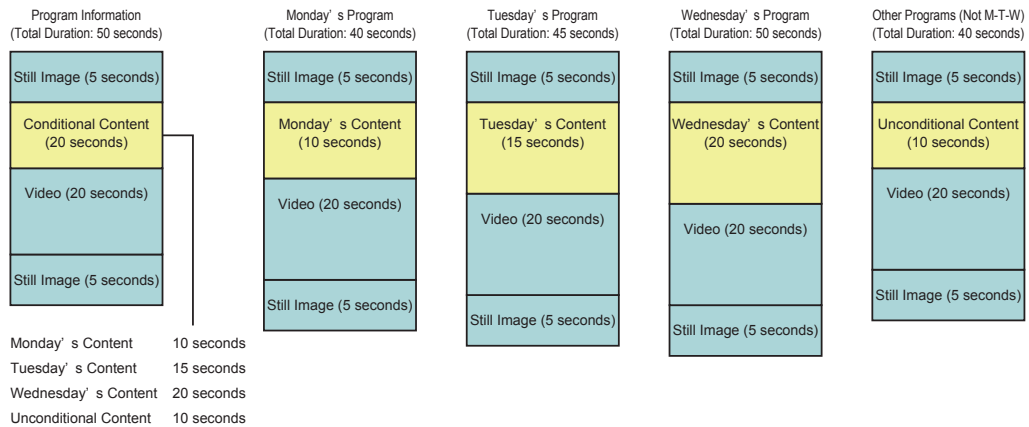
You can set playback to occur in groups that contain or do not contain the characters that you enter.

9) Comment

You can set playback to occur on the panel configured with the comment that includes the characters you entered, or to play back on the panels that do not include those characters.

- When conditional content is played, Panel name, Group and Comment settings from within play settings reference panel attribute information set by the Viewer PC Client Scheduler.
- You can distribute and display identical conditional content on multiple Viewer PCs by setting panel attribute information on Viewer PCs beforehand.
- For information on how to set panel attribute information on viewer PCs, refer to p.165.

Conditional Content and Total Duration



The Program Editor will reflect the maximum duration from within the total duration when you close the Conditional Content Editor.

Creating/Editing Timetables

Set programs created with Program Editor to display at a set hour of the day.

The main Timetable Editor window

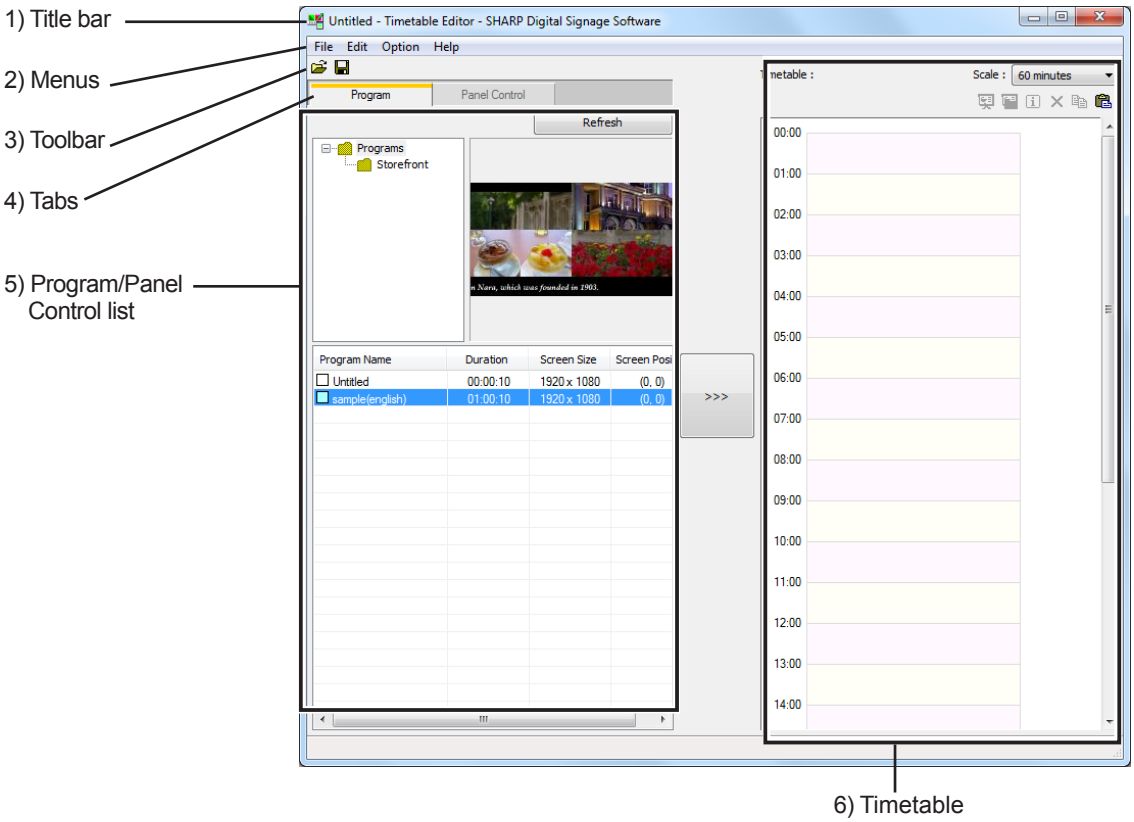
● Launching Timetable Editor

1. **Click**  **on the Launcher window.**
   "Timetable Editor" will launch.

When Timetable Editor launches, a new blank timetable with no programs assigned will be displayed. Timetables are completed after program is set on this screen.

Timetable Editor can also be launched by going to the Windows Taskbar and clicking [Start], [All Programs], [SHARP Digital Signage Software], [Tools], and then [Timetable Editor].

● The main Timetable Editor window



1) Title bar

The name of the timetable will be displayed here.
When Timetable Editor launches, the title bar will read "Untitled". When a timetable is saved, it will change to the name of the timetable. When content of an opened timetable is changed, the title bar will display an asterisk (*) after the timetable name.

2) Menus

Menu options are as follows:

Menu option		Description	Relevant page
File	Create New Timetable	Opens a new timetable.	-
	Open Timetable	Loads a saved timetable.	☞p.98
	Save Timetable	Overwrites the currently edited timetable.	☞p.97
	Save Timetable As	Saves the currently edited timetable under a different name.	☞p.98
	Delete Timetable	Allows the user to specify and delete saved timetables.	☞p.99
	Preview Timetable	Tests the currently edited timetable.	☞p.98*
	Properties of Timetable	Displays timetable properties.	☞p.99
	Import Timetable	Reads a timetable that has been exported from another PC so that it can be used.	☞p.101
	Export Timetable	Writes out a timetable so that it can be used on another PC.	☞p.100
	Exit	Exits Timetable Editor.	-
Edit	Select All	Selects all programs in the timetable.	-
	Delete	Deletes the selected programs from the list. Programs may also be deleted by pressing [Delete].	-
	Copy	Copies the selected program.	-
	Paste	Pastes the copied program into a timetable. If a program in the timetable is selected, the copied program will be allocated immediately after it finishes. If no programs are selected, it will be pasted at 00:00.	-
Option	Set Timetable Span	Sets the timetable to a target time span (start and finish times). This is used for setting business hours as a time span, etc.	☞p.97
Help	About Panel Support	Displays “Table of supporting panel controls.”	☞p.95
	About Timetable Editor	Displays version information for Timetable Editor.	-

* Not available in the Client Version.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description	Relevant page
	Open Timetable	Loads a saved timetable.	☞p.98
	Save Timetable	Overwrites the currently edited timetable.	☞p.97

4) Tabs

Clicking a tab switches to the settings window for each item.

5) Program/Panel Control list

When the [Program] tab is selected, the program folder, program thumbnails, and program list are displayed.
For more details about the program folder and program thumbnails, refer to p.57.
When the [Panel Control] tab is selected, the list of panel control commands is displayed.

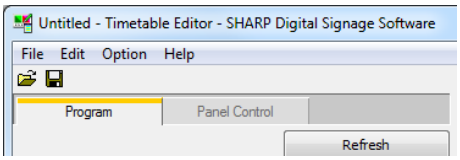
6) Timetable

Displays a timetable.

Creating a timetable

● Registering a program in the timetable

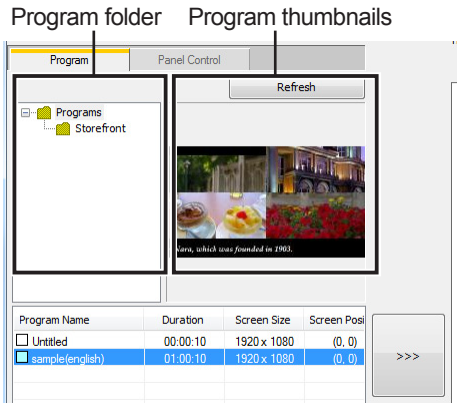
1. **Check that the [Program] tab is selected.**
   If it is not, click the [Program] tab to select it.
   The program list will be displayed here.
   There are four categories in the list: “Program Name”, “Duration”, “Screen Size”, and “Screen Position”.



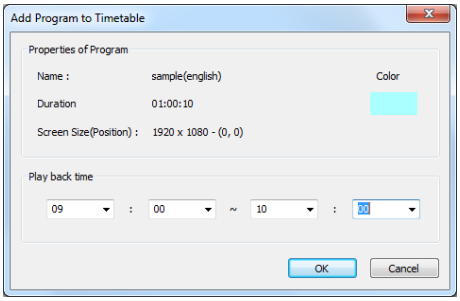
The color of the icon in front of the “Program Name” represents the “Color of Program”. Click [Properties of Program] from the [File] menu in “Program Editor” to change it. (☞p.60)

2. **Select the program folder containing the program.**

3. **From the “Program Name”, select a program, and click** >>> **, or alternatively, double-click the program.**
   The [Add Program to Timetable] dialog box will appear.

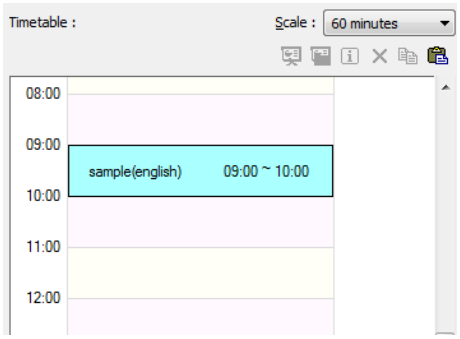


4. **Set the “Play back time”.**
   This is the time of day when the program will be played.
   Specify times between 00:00 and 24:00.



5. **Click [OK].**
   The program will be registered to the timetable.

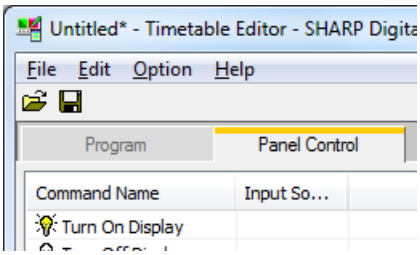
Programs may also be registered by dragging them from the “Program Name” to the “Timetable”. Registered programs can be changed in the Timetable. (☞p.96)



6. **Repeat steps 2 to 5 as necessary and set all the programs that you want to display over the course of the day.**

● Registering panel control in a timetable

1. **Click the [Panel Control] tab.**
   A list of panel control commands will be displayed.



There are two categories: “Command Name” and “Input Source”. Commands are as follows:

Command	Description
Turn On Display	Turns the panel (monitor) power ON.
Turn Off Display	Puts the panel (monitor) into standby mode.
Switch Input Source (Input “No.”)	Switches the panel (monitor) input source.
TV *1	Switch the input source of the panel (monitor) to “TV input”. The channel at the time of switching to the TV cannot be specified. The channel that was selected by the TV immediately before switching is displayed.

*1 It cannot be used with the SHARP LCD monitor (PN series), the LB-1085 and Touch Display.

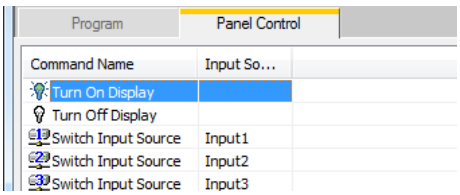
- The commands supported by the panel (monitor) can be checked with “Table of supporting panel controls.”
- To display “Table of supporting panel controls,” click the button ( ) “About Panel Support” at the lower left of the panel control command list. Or, click [About Panel Support] from [Help] menu.



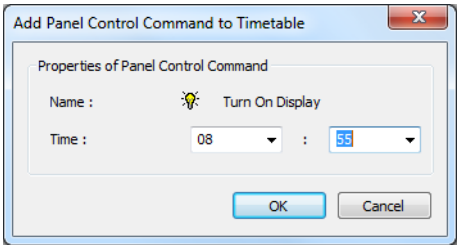
The contents of “Table of supporting panel controls” are as follows:

Menu option	Description
RC-232C	Indicates the cable to be used for the connection (straight cable or cross cable). Indicates transmission speeds supported.
LAN	Indicates whether LAN connection is supported.
USB	Indicates whether USB connection is supported.
Turn On	Indicates whether the “Turn On Display” panel control command is supported.
Turn Off	Indicates whether the “Turn Off Display” panel control command is supported.
Get Status	Indicates whether Get Status is supported.
Detect H/W Error	Indicates whether hardware error detection is supported.
Time Synchronization	Indicates whether Time Synchronization (☞p.121) is supported.
Input “No.”	Indicates which input of the panel (monitor) is supported.
TV	Indicates whether TV input is supported.

2. **Select the panel control command you want to use from the “Command Name” and click** [›››] **.**
   The [Add Panel Control Command to Timetable] dialog box will appear.



3. **Set the "Time".**
   This is the time that the command will be executed.
   Specify times between 00:00 and 24:00.



4. **Click [OK].**
   The panel control command will be registered in the timetable and the control command icons (Turn On Display: , Turn Off Display: , Switch Input Source: , TV:) will be displayed to the right of the timetable.



Commands may also be registered by dragging them from the "Command Name" to the "Timetable".

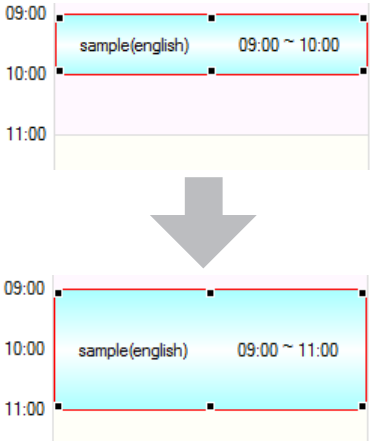
5. **Repeat steps 2 to 4 as necessary and set all the panel control commands that you want to execute over the course of the day.**

● Adjusting a timetable

Clicking the buttons on the top right of the timetable performs the following actions:

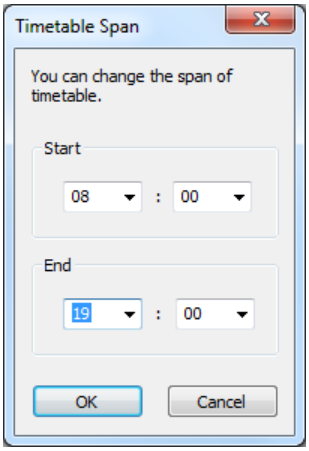
Icon	Menu option	Description
	Preview Program	Displays a preview of the selected program at its original size.
	Preview Program (Fit Screen)	Displays a preview of the selected program fitted to the size of the screen.
	Properties for Program/ Command	Displays the properties of the selected program/panel control command.
	Delete Program/Command	Deletes the selected programs/panel control commands from the timetable. Programs/panel control command may also be deleted by pressing [Delete].
	Copy Programs/ Panel Control Commands	Copies the selected program/panel control command.
	Paste Programs/ Panel Control Commands	Positions the copied program/panel control command into a timetable. If a program in the timetable is selected, the copied program will be allocated immediately after it finishes. If no programs are selected, it will be pasted at 00:00.

Click a program or panel control command positioned on the timetable to select it.
Drag a resize handle to adjust the playback time/time for the program or panel control command and confirm the changes visually.
The program and the panel control command can be moved by dragging an area other than the resize handle using the mouse.



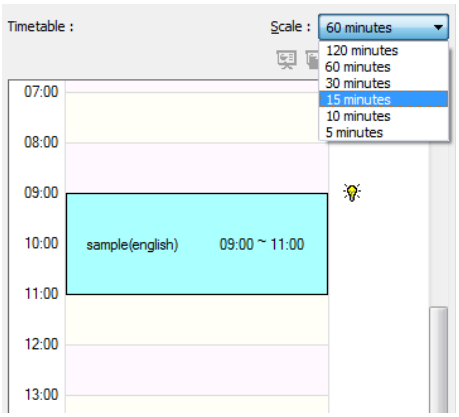
Changing the timetable span

1. **From the [Option] menu, click [Set Timetable Span].**
   The [Timetable Span] dialog box will appear.
2. **Set the "Start" and "End" times.**
   Specify times between 00:00 and 24:00.
3. **Click [OK].**
   The new times will be reflected in the timetable.



Adjusting the scale

Select intervals of 5, 10, 15, 30, 60 or 120 minutes from the "Scale" list.



● Saving a timetable

Save timetable

Use this option when you want to save the currently edited timetable under its original name.

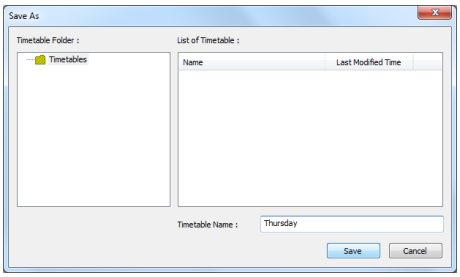
1. **From the [File] menu, click [Save Timetable].**
   You can also save a timetable by clicking  **.**
   The timetable file will be overwritten and saved with the same name.



When "Timetable Editor" is started, the title bar will read "Untitled". If you attempt to save at this stage the [Save Timetable] dialog box will be displayed. For the remaining steps, refer to step 2 of "Save timetable as".

Save timetable as

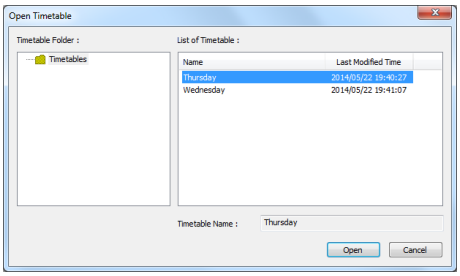
Use this option when you want to save the currently edited timetable under a different name.



1. **From the [File] menu, click [Save Timetable As].**
   The [Save As] dialog box will appear.
2. **Select the timetable folder in which the timetable is to be saved.**
3. **Enter a "Timetable Name" and click [Save].**
   The timetable will be saved with a different name.

● Opening a timetable

Load a timetable that you have already saved, and use it.
Editing only the places you want to change in an existing file and saving the file under a new name is an efficient way to create timetables.



1. **From the [File] menu, click [Open Timetable].**
   You can also open a timetable by clicking  **.**
   The [Open Timetable] dialog box will appear.
2. **Select the timetable folder containing the timetable.**
3. **From the "List of Timetable", select a timetable, and click [Open].**
   The timetable you selected will be loaded into Timetable Editor and you will be able to edit it.



Take care when saving a timetable you have edited using the [Save Timetable] option, as the changes you have made will be reflected in the original file.

● Checking a timetable

Check a timetable using the program preview function.

1. **From the [File] menu, click [Preview Timetable].**
   A preview of the timetable will be displayed.

2. **Check the preview.**



- Not available in the Client Version.
- To close the preview, click the preview window and press [Esc] to stop the display, and then delete the schedule information from the Client Scheduler of the task tray. (☞p.172)
- If the program screen size is larger than the display resolution of the PC monitor, the preview will not be able to display the entire program screen.

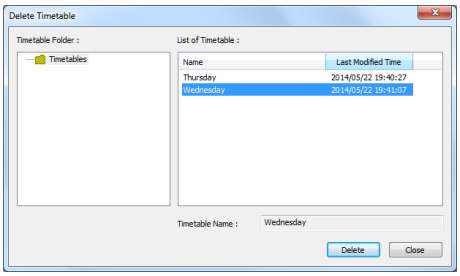
● Deleting a timetable

Delete unnecessary timetables.

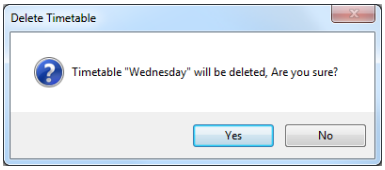
1. **From the [File] menu, click [Delete Timetable].**
   The [Delete Timetable] dialog box will appear.

2. **Select the timetable folder containing the timetable.**

3. **From the "List of Timetable", select a timetable, and click [Delete].**



4. **Click [Yes].**
   The selected timetable is now deleted.
5. **Click [Close].**



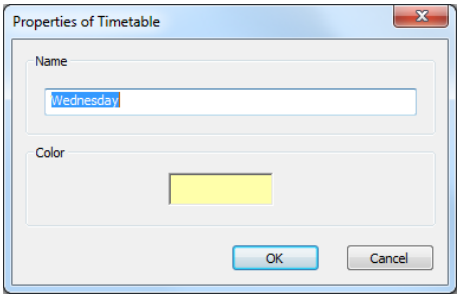
● Changing timetable name and timetable color

1. **From the [File] menu, click [Properties of Timetable].**
   The [Properties of Timetable] dialog box will appear.

   Check the "Name" and "Color".
   - The "Name" can be changed.
   - Click the color swatch to display the [Color] dialog box and change the timetable color.

   The "Color" is the color used to display the timetable in Schedule Editor.

2. **Click [OK].**



● Importing/exporting a timetable

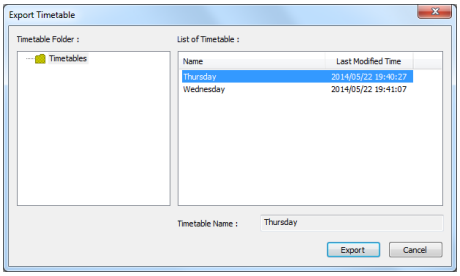
Exporting a timetable

The export function is used to write out a timetable so that it can be used with this product on another PC. Exported timetable data includes programs registered in timetables.

1. **From the [File] menu, click [Export Timetable].**
   The [Export Timetable] dialog box will appear.

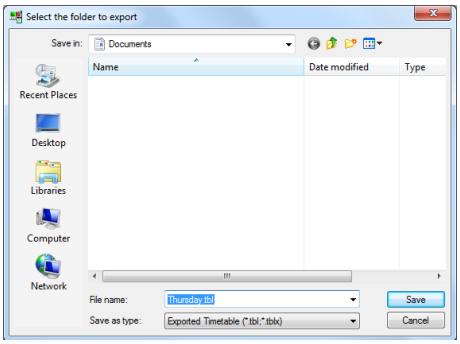
2. **Select the timetable folder containing the timetable.**

3. **From the "List of Timetable", select a timetable, and click [Export].**
   The [Select the folder to export] dialog box will appear.

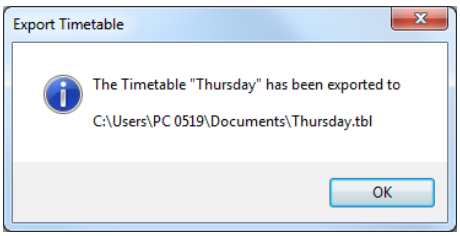


4. **Specify the directory where you want to save the file, enter a "File name", and click [Save].**
   The [Export Timetable] dialog box will appear.

   If you want to cancel the export, click [Cancel] in the screen that appears during the export.



5. **Click [OK].**
   The timetable export is now complete.

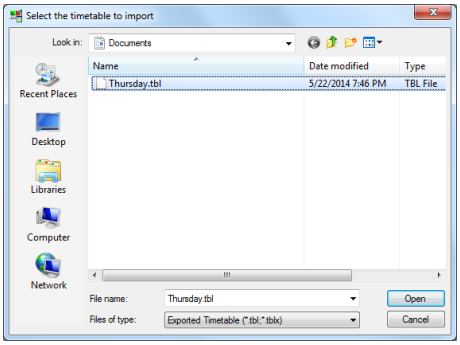


Importing a timetable

The import function is used to load an exported timetable that has been created with this product on another PC.

1. **From the [File] menu, click [Import Timetable].**
   The [Select the timetable to import] dialog box will appear.

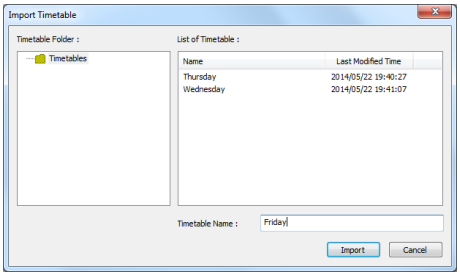
2. **Select a (.tbl) file or (.tblx) file to import, and click [Open].**
   The [Import Timetable] dialog box will appear.



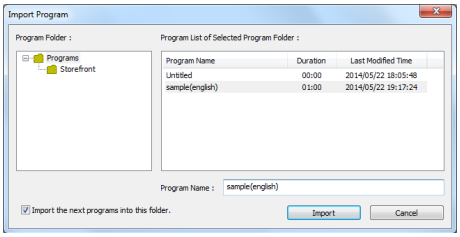
   If you want to cancel the import, click [Cancel] in the screen that appears while the import is being prepared.

3. **Select the timetable folder in which the timetable is to be saved.**

4. **Enter a "Timetable Name" and click [Import].**

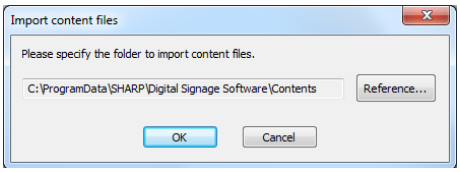


5. **Enter a "Program Name" and click [Import].**

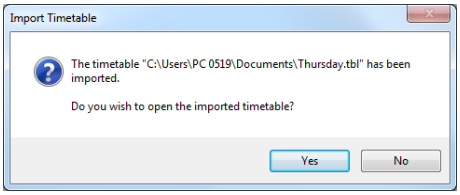


   If the same program name already exists on the PC where the import is to be used, a confirmation dialog box will appear. Choose whether to overwrite the existing file or import the file under a new name. When multiple programs are included, the remaining programs can all be imported into the same folder.

6. **Select the folder into which the content will be imported, and click [OK].**



7. **Click [Yes].**
   The timetable will be saved with the name you entered.
   The timetable import is now complete.



Creating/Editing Schedules

Set timetables created with Timetable Editor to display on a set day.

The main Schedule Editor window

● Launching Schedule Editor

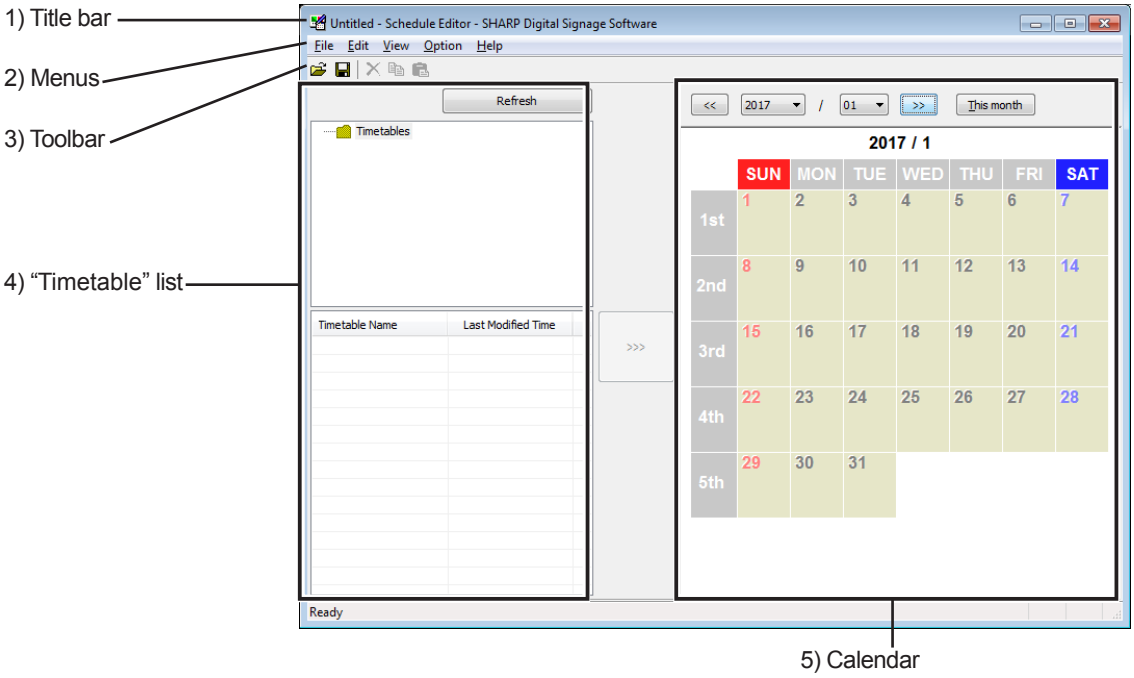
1. **Click** 

on the Launcher window.
"Schedule Editor" will launch.

When Schedule Editor launches, a new blank schedule with no timetables assigned will be displayed. Schedules are completed after timetable is set on this screen.

Schedule Editor can also be started by going to the Windows Taskbar, and clicking [Start], [All Programs], [SHARP Digital Signage Software], [Tools], and then [Schedule Editor].

● The main Schedule Editor window



1) Title bar

The name of the schedule will be displayed here.
When Schedule Editor launches, the title bar will read "Untitled". When a schedule is saved, it will change to the name of the schedule. When content of an opened schedule is changed, the title bar will display an asterisk (*) after the schedule name.

2) Menus

There are the following six menu options: “File”, “Edit”, “View”, “Option”, “Pro WEB Server” and “Help”. Menu options are as follows:

Menu option		Description	Relevant page
File	Create New Schedule	Opens a new schedule.	-
	Open Schedule	Loads a saved schedule.	☞p.107
	Save Schedule	Overwrites the currently edited schedule	☞p.107
	Save Schedule As	Saves the currently edited schedule under a different name.	☞p.107
	Delete Schedule	Allows the user to specify and delete saved schedules.	☞p.108
	Properties of Schedule	Allows the user to display and change the schedule name.	☞p.108
	Import Schedule	Reads a schedule that has been exported from another PC so that it can be used.	☞p.109
	Export Schedule	Writes out a schedule so that it can be used on another PC.	☞p.108
	Exit	Exits Schedule Editor.	-
Edit	Add Timetable to Schedule	Adds the timetable that is selected in the “Timetable” list to the schedule.	☞p.105
	Delete Timetable from Schedule	Deletes the timetable that is selected in the “Calendar”. Timetable may also be deleted by pressing [Delete].	☞p.106
	Copy Timetable	Copies the selected timetable.	-
	Paste Timetable	Pastes the copied timetable into a schedule.	-
	Select All	Selects all timetables in the schedule.	-
View	Show Previous Month	Displays the month before the month that is currently displayed in the calendar.	☞p.106
	Show Next Month	Displays the month after the month that is currently displayed in the calendar.	☞p.106
	Show This Month	Displays the current month in the calendar.	☞p.106
	Refresh	Updates the “Timetable” list.	-
Option	Setting	When you use Pro WEB Server, check this check box. This check box is checked by default.	-
Pro WEB Server	Download Schedule	Downloads schedule data from the management PC.	☞p.111
	Upload Schedule	Uploads the specified schedule to the management PC.	☞p.110
	Remove Schedule from the server	Delete a schedule on the management PC.	☞p.112
	Switch Tenant and User	Switches between the tenant and user when logging in to the management PC.	*
	Configuration of WEB server and Login Information	Configures the settings to log in to the management PC.	*
Help	About Schedule Editor	Displays version information for Schedule Editor.	-

* The settings of the login information are the same as Program Editor. Refer to p.62.

3) Toolbar

The toolbar buttons (icons) perform the following actions:

Icon	Menu option	Description	Relevant page
	Open Schedule	Loads a saved schedule.	☞p.107
	Save Schedule	Overwrites the currently edited schedule.	☞p.107
	Delete Timetable	Deletes the timetable that is selected in the “Calendar”. Timetable may also be deleted by pressing [Delete].	☞p.106
	Copy Timetable	Copies the selected timetable.	-
	Paste Timetable	Pastes the copied timetable into a schedule.	-

4) “Timetable” list

The timetable folder and the list of timetables created with Timetable Editor are displayed.
In the list of timetable, there are two categories: “Name” and “Last Modified Time”.



The color of the icon in front of the name of each timetable represents the “timetable color”. Click [Properties of Timetable] from the [File] menu in “Timetable Editor” to change it. (☞p.99)

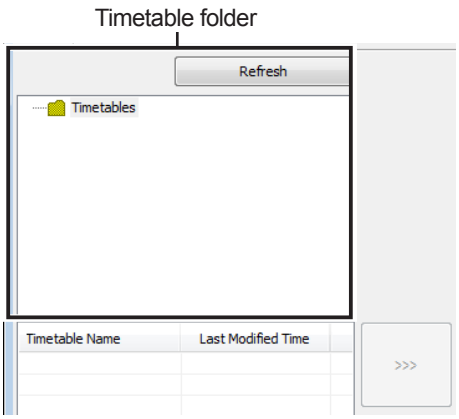
5) Calendar

Timetables are positioned on the calendar to create schedules.

Creating a schedule

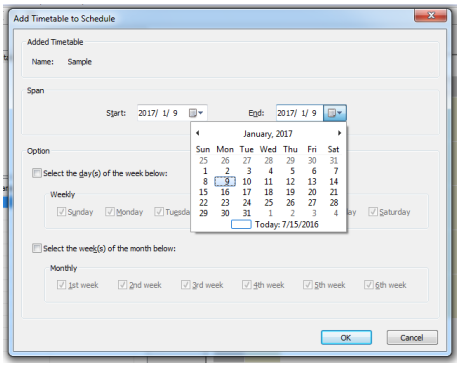
● Registering a timetable in the schedule

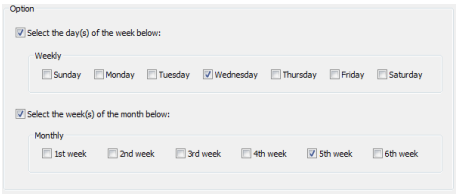
1. **Select the timetable folder containing the timetable.**
2. **Select a timetable from the "Timetable" list and click >>>, or alternatively, double-click the timetable, or from the [Edit] menu, click [Add Timetable to Schedule].**
   The [Add Timetable to Schedule] dialog box will appear.



3. **Set a "Span".**
   This is the length of time that the program will be played for. If you do not set the "Option" area, the time schedule will be added to the entire span from "Start" to "End".

   Use the "Option" settings to add timetables to specified days or weeks.





   - If you check the "Select the day(s) of the week below:" check box and the "Sunday" to "Saturday" check boxes, the timetable will only be added to the specified days of the week during the span.
   - If you check the "Select the week(s) of the month below:" check box and the "1st week" to "6th week" check boxes, the timetable will only be added to the specified weeks during the span.
   - If you specify both "Select the day(s) of the week below:" and "Select the week(s) of the month below:", the timetable will only be added to days that meet both sets of conditions. For example, setting "Select the day(s) of the week below:" to "Wednesday", and "Select the week(s) of the month below:" to "2nd week", would add the timetable to the second Wednesday of every month.

4. **Click [OK].**
   The timetable will be registered in the schedule.

   Timetables may also be registered by dragging them from the "Timetable" list to the "Calendar". Registered timetables can be changed in the calendar.



5. **Repeat steps 2 to 4 as necessary and add all the timetables that you want to display to the schedule.**

The calendar

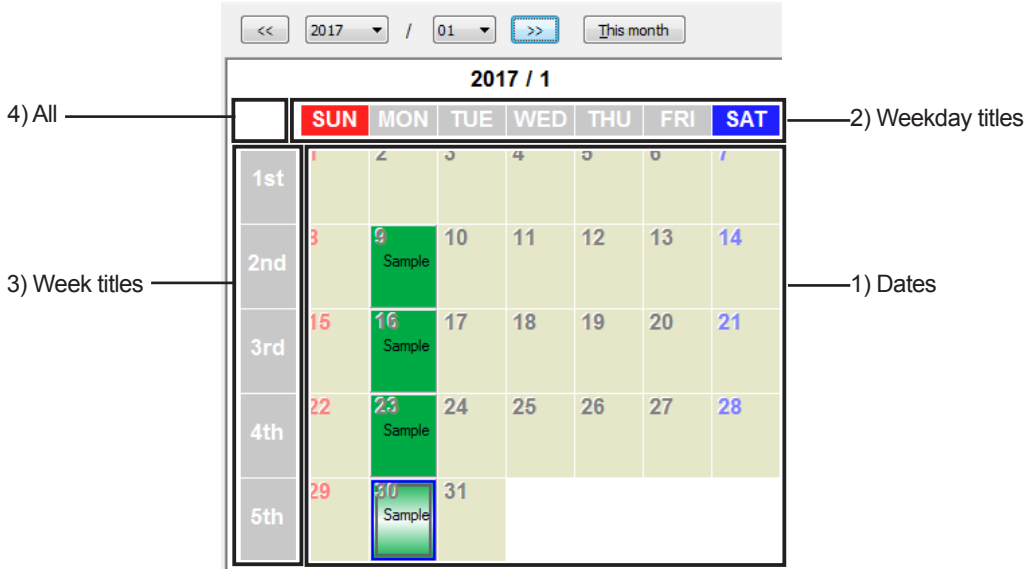
Days on which a timetable is registered show the “timetable color” and the “timetable name”.

The buttons and lists at the top of the calendar perform the following actions:

Icon	Menu option	Description
<<	Show Previous Month	Displays the month before the month that is currently displayed.
2014	Select Year	Displays the year selected for the month that is currently displayed.
05	Select Month	Displays the month selected for the year that is currently displayed.
>>	Show Next Month	Displays the month after the month that is currently displayed.
This month	Show This Month	Displays the current month.

- Click while holding down [Ctrl] or [Shift] to select multiple days at the same time.
- Select a timetable and press [Delete] to delete it from the calendar.

Timetables are registered to different days depending on where they are dragged on the calendar.
Days that already have timetables registered to them will not be overwritten.



1) Dates : Timetables will be added to the day to which they are dragged.
2) Weekday titles: Timetables will be added to the day of the week to which they are dragged for the currently displayed month.
3) Week titles: Timetables will be added to the week to which they are dragged for the currently displayed month.
4) All : Timetables will be added to every day of the currently displayed month.

● Saving a schedule

There are two ways to save the created schedule.

Save schedule

Use this option when you want to save the currently edited schedule under its original name.

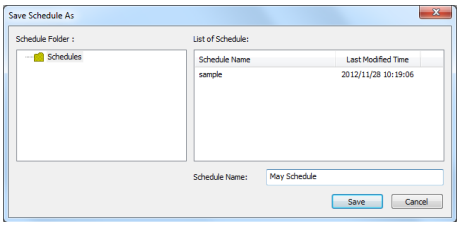
1. **From the [File] menu, click [Save Schedule].**
   You can also save a schedule by clicking .
   The schedule file will be overwritten and saved with the same name.

When “Schedule Editor” is started, the title bar will read “Untitled”. If you attempt to save at this stage the [Save Schedule As] dialog box will be displayed. For the remaining steps, refer to step 2 of “Save schedule as”.

Save schedule as

Use this option when you want to save the currently edited schedule under a different name.

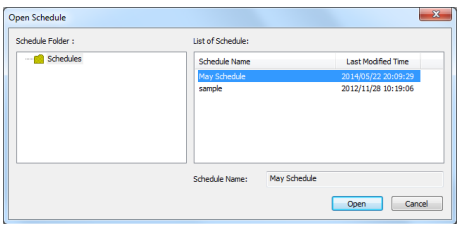
1. **From the [File] menu, click [Save Schedule As].**
   The [Save Schedule As] dialog box will appear.
2. **Select the schedule folder in which the schedule is to be saved.**
3. **Enter a “Schedule Name”, and click [Save].**
   The schedule will be saved with a different name.



● Opening a schedule

Load a schedule that you have already saved, and use it.
Editing only the places you want to change in an existing file and saving the file under a new name is an efficient way to create schedules.

1. **From the [File] menu, click [Open Schedule].**
   You can also open a schedule by clicking .
   The [Open Schedule] dialog box will appear.
2. **Select the schedule folder containing the schedule.**
3. **From the “List of Schedule”, select a schedule, and click [Open].**
   The schedule you selected will be loaded into Schedule Editor and you will be able to edit it.

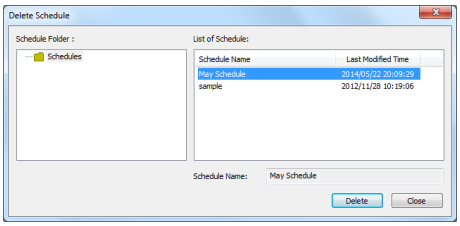


Take care when saving a schedule you have edited using the [Save Schedule] option, as the changes you have made will be reflected in the original file.

● Deleting a schedule

Delete unnecessary schedules.

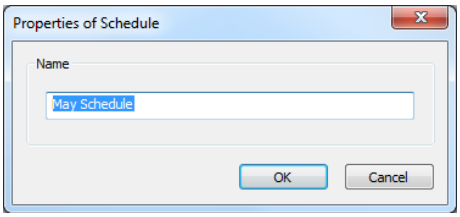
1. **From the [File] menu, click [Delete Schedule].**
   The [Delete Schedule] dialog box will appear.
2. **Select the schedule folder containing the schedule.**
3. **From the "List of Schedule", select a schedule, and click [Delete].**
4. **Click [Yes].**
   The selected schedule will be deleted.
5. **Click [Close].**



● Changing schedule name

1. **From the [File] menu, click [Properties of Schedule].**
   The [Properties of Schedule] dialog box will appear.

   Check the schedule name and change it if you wish.
2. **Click [OK].**

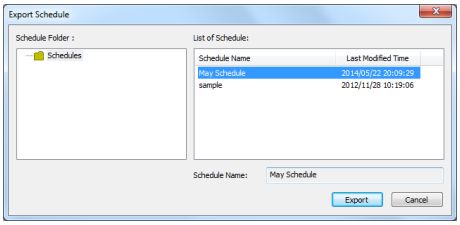


● Importing/exporting a schedule

Exporting a schedule

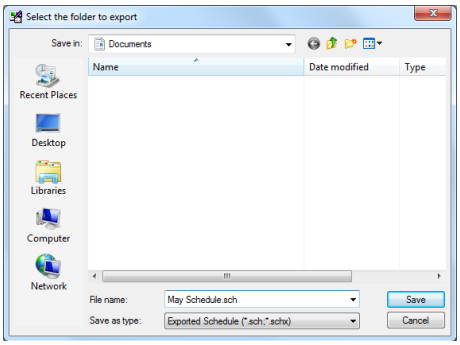
The export function is used to write out a schedule so that it can be used with this product on another PC.
Exported schedule data includes programs and timetables that are registered to the schedule.

1. **From the [File] menu, click [Export Schedule].**
   The [Export Schedule] dialog box will appear.
2. **Select the schedule folder containing the schedule.**
3. **From the "List of Schedule", select a schedule, and click [Export].**
   The [Select the folder to export] dialog box will appear.

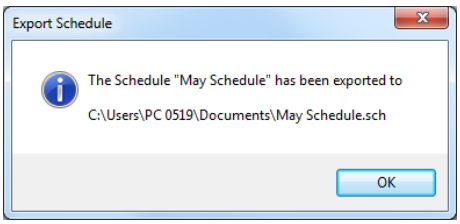


4. **Specify the directory where you want to save the file, enter a "File name" and click [Save].**
   The [Export Schedule] dialog box will appear.

   If you want to cancel the export, click [Cancel] in the screen that appears during the export.



5. **Click [OK].**
   The schedule export is now complete.



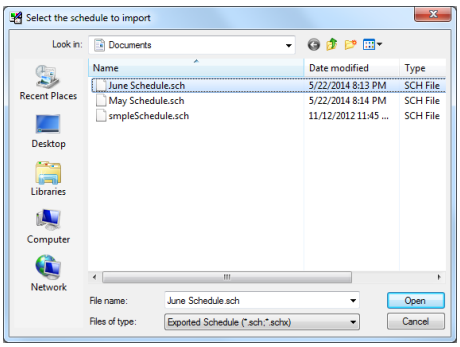
Importing a schedule

The import function is used to load an exported schedule that has been created with this product on another PC.

1. **From the [File] menu, click [Import Schedule].**
   The [Select the schedule to import] dialog box will appear.

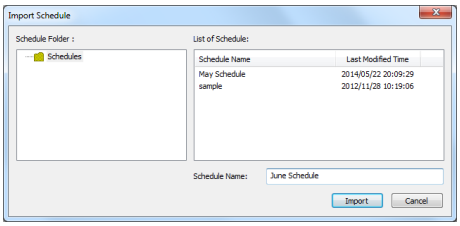
2. **Select a (.sch) file or (.schx) file to import, and click [Open].**
   The [Import Schedule] dialog box will appear.

   If you want to cancel the import, click [Cancel] in the screen that appears while the import is being prepared.

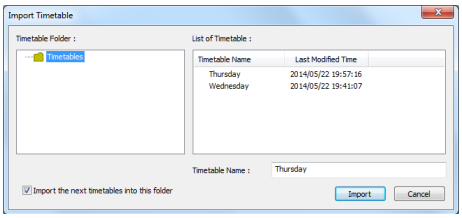


3. **Select the schedule folder in which the schedule is to be saved.**

4. **Enter a “Schedule Name”, and click [Import].**

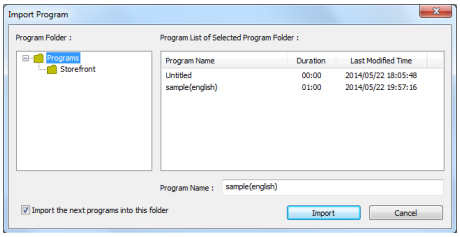


5. **Enter a “Timetable Name”, and click [Import].**



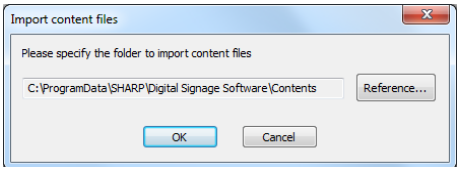
If the same timetable name already exists on the PC where the import is to be used, a confirmation dialog box will appear. Choose whether to overwrite the existing files or import them under a new name. When multiple timetables are included, the remaining timetables can all be imported into the same folder.

6. **Enter a “Program Name”, and click [Import].**

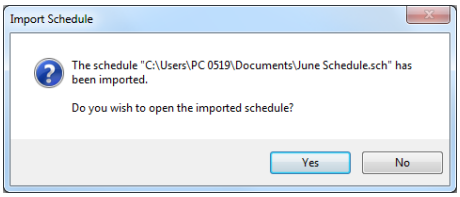


If the same program name already exists on the PC where the import is to be used, a confirmation dialog box will appear. Choose whether to overwrite the existing files or import them under a new name. When multiple programs are included, the remaining programs can all be imported into the same folder.

7. **Select the folder into which the content will be imported, and click [OK].**



8. **Click [Yes].**
   The schedule will be saved with the name you entered.
   The schedule import is now complete.

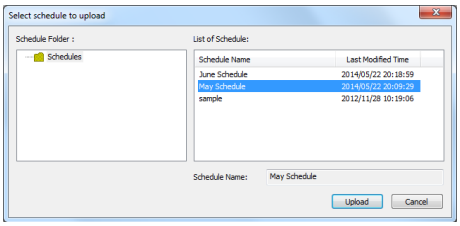


● Uploading/downloading a schedule

Uploading a schedule

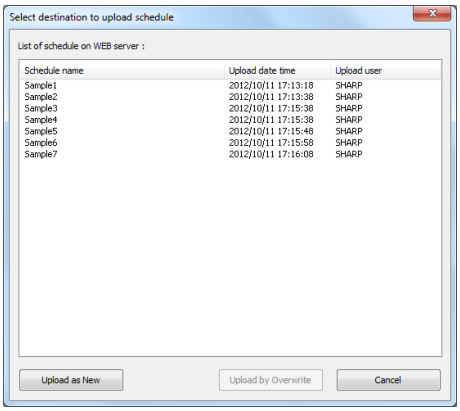
Upload a schedule created on the operation PC to the management PC.

1. **From [Pro WEB Server], click [Upload Schedule].**
   The [Select schedule to upload] dialog box will appear.



2. **Select the folder containing the schedules.**
3. **From the "List of Schedule", select a schedule and click [Upload].**
   The login information entry window will appear.
4. **Enter the login information.**
   After it is entered, a schedule list will appear.
   If you checked "Remember login information" the first time you established a connection, a program list will appear.
   For the operating procedure, refer to "Entering the login information" (☞p.62).
5. **Click [Upload as New].To overwrite the uploaded schedule, click [Upload by Overwrite].**
   The schedule upload is now completed.

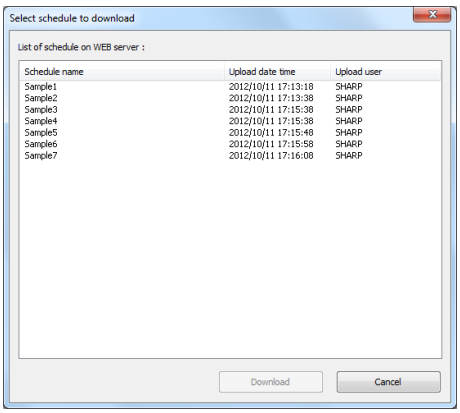
   When a program with a large file size is uploaded, it will take time to expand the data after uploading is finished. For this reason, it may take several seconds to a minute for the program changes to be applied to the server.



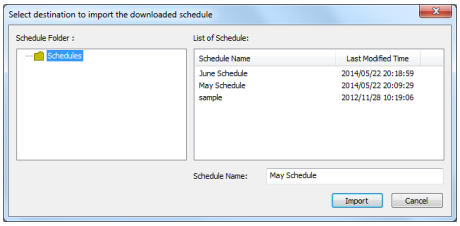
Downloading a schedule

Download a schedule stored on the management PC to the operation PC.

1. **From the [Pro WEB Server] menu, click [Download Schedule].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a schedule list will appear.
   If you checked "Remember login information" the first time you established a connection, a program list will appear.
   For the operating procedure, refer to "Entering the login information" (☞p.62).
   The [Select schedule to download] dialog box will appear.
3. **From the "List of Schedule on WEB server," select a schedule and click [Download].**
   The [Select destination to import the downloaded schedule] dialog box will appear.



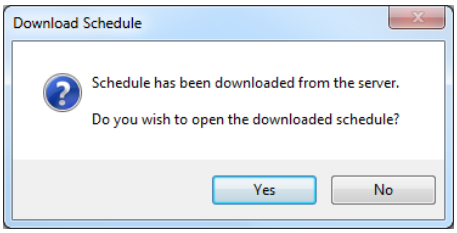
4. **Select the save folder and click [Import].**



If the same program name or timetable name already exists on the PC where the import is to be used, a confirmation dialog box will appear.Choose whether to overwrite the existing files or import them under a new name.

5. **Click [Yes].**

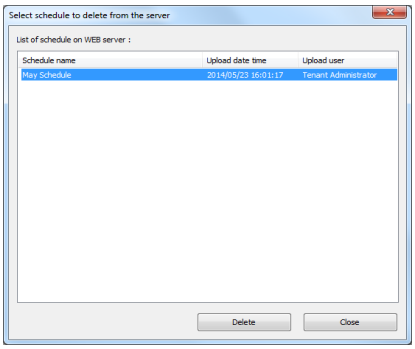
The schedule download is now completed.



● Deleting a schedule on the server

Delete a schedule stored on the management PC.

1. **From the [Pro WEB Server] menu, click [Remove Schedule from the server].**
   The login information entry window will appear.
2. **Enter the login information.**
   After it is entered, a schedule list will appear.
   If you checked “Remember login information” the first time you established a connection, a schedule list will appear.
   For the operating procedure, refer to “Entering the login information” (☞p.62).
3. **From the “List of Schedule on WEB server”, select a schedule and click [Delete].**
4. **Click [Yes].**
   The selected schedule will be deleted.



Uploading a large number of schedules to the management PC reduces the disk space of the management PC.Delete unnecessary schedules at regular intervals.

WEB Server

Logging In

Logging In to WEB Server

1. **Click  on the Launcher window.**
   "Internet Explorer" will launch.

- Configure the server settings on the "Pro Web Server" tab (page 125) of the Launcher window option settings.
- You can also log in by starting Internet Explorer and entering the URL of the server.
  URL for the server: http://(IP address of the server: port number)/login/
  For example, if the IP address of the server is 192.168.1.1 and the port number is 32000, the URL is as follows.
  http://192.168.1.1:32000/login/ (all alphanumeric characters)
  * If the port number is 80 by default, you can access the server with
    http://(IP address of the server)/login/

2. **Enter the Tenant Name, User ID and Password.**
   The Distribution Schedule window will appear.



- The users who can log in are users who were initially created when the tenant was created (☞p.28), administrator users (☞p.31) and users who were registered through the user registration process (☞p.152).
- If multiple users log in from multiple places with the same user ID, the second login is given priority and the session of the user who logged in first will be disconnected (logged out).A user ID should not be shared by multiple users but one user ID should be assigned to one user.
- For Internet Explorer installed on Windows Server 2008/2008 R2/2012/2012 R2, functions such as page redirection are restricted to increase security.
- If Pro WEB Server does not work, add the URL for Pro WEB Server (http://(IP address of the server:port number)/) to "Trusted Sites" that can be accessed by clicking "Internet Options" and then "Security" in Internet Explorer.

Logging in to the Web Server (logging in as a supervisor)

1. **Launch Internet Explorer and enter the URL for the server.**
   "Internet Explorer" will launch.

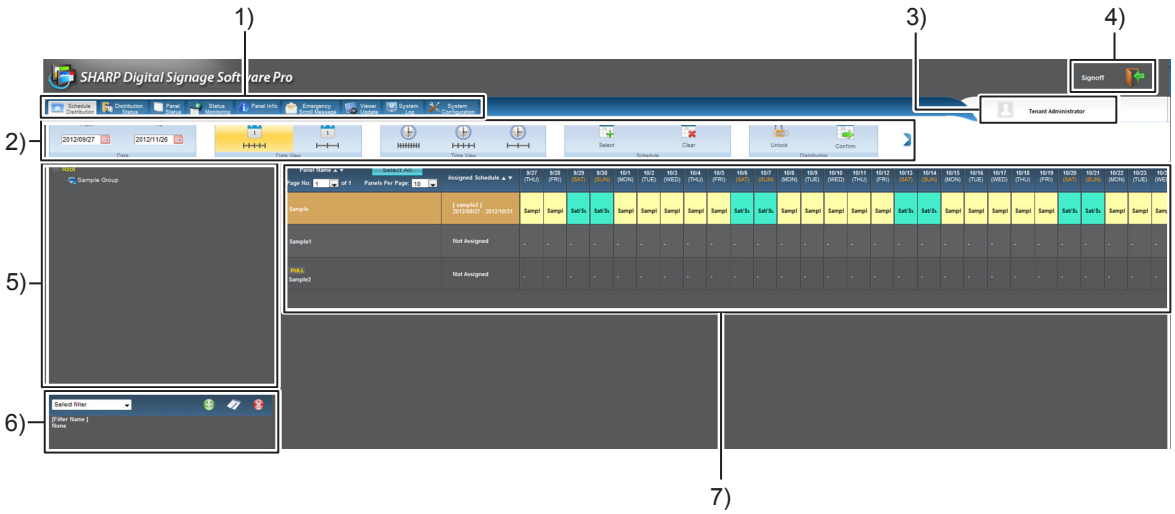
   URL for the server: http:///(IP address of the server: port number)/supervisor/
   For example, if the IP address of the server is 192.168.1.1 and the port number is 32000, the URL is as follows.
   http://192.168.1.1:32000/supervisor/ (all alphanumeric characters)
   * If the port number is 80 by default, you can access the server with http:///(IP address of the server)/supervisor/.

2. **Enter the user ID and password.**
   The Distribution Schedule window will appear.



• Users who can log in are supervisors who were registered using the setup wizard when the program was launched for the first time (☞p.29), supervisors registered using the Pro Web Server Management Tool (☞p.34), and supervisors added by a supervisor using the user registration window (☞p.150).

Explanation of the Server Window



1) Function tabs

Tab name	Description	Reference page
Schedule Distribution	Assigns a schedule to a panel and reserves program distribution.	☞p.127
Distribution Status	This button lets you check the schedule distribution status.	☞p.133
Panel Status	This button lets you check the schedule distributed to a panel.	☞p.135
Status Monitoring	This button lets you display the panel status and control the PC power, etc.	☞p.145
Panel Info	This button lets you display the panel information.	☞p.149
Break-in Program*	This button lets you distribute a break-in program in an emergency.	☞p.137
Emergency Scroll Message*	This button lets you distribute a scroll message in an emergency.	☞p.141
Viewer Update*	Viewer Update allows you to update the SHARP Digital Signage Software Viewer Version on the viewer PC and change the settings of the viewer PC, etc. (This does not guarantee any future software update.)	☞p.156
System Log*	This button lets you browse the user's operation history information.	☞p.155
System Configuration	This button lets you register a user and panel.	☞p.119, 150

* These buttons are hidden with the default settings. Change the settings in Show / Hide Menu Tabs to show these buttons.(☞p.118)

2) Toolbar

Contains buttons (icons) for viewing the display list or controlling the selected panel.

3) User

Name of the user who is currently logged in.

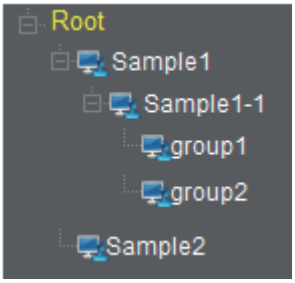
4) Logout button

Click the button to log out from the server.

5) Group tree

Displays the groups of the registered panels.

When you log in as a supervisor, all tenants appear.



6) Filter bar

You can specify a filtering condition and make only the panels that satisfy the condition appear in the display list. You need to create filters beforehand.

7) Display list

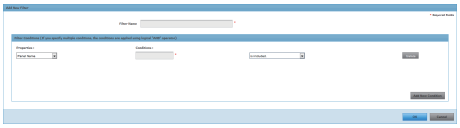
Displays the panel information.The contents of the information to be displayed change depending on the selected function button.
The panels can be displayed selectively using the Group tree or the Filter bar.

Scroll bars displayed on the server window

To scroll horizontally to display, for example, the date on the distribution window, display the horizontal scroll bar by moving to the bottom of the screen using the vertical scroll bar.

• Setting a filter

Sets conditions for the panels to be displayed on the display list.

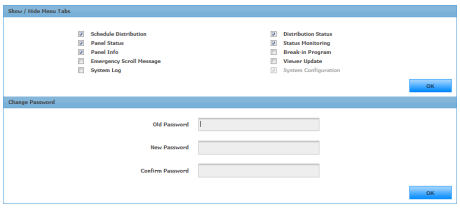


1. **Click on the filter bar.**
   The [Add New Filter] dialog box appears.
2. **Enter a “Filter Name”. (Names must be within 50 characters)**
3. **Select a “Properties”.**
4. **Set “Conditions”.**
   - The applicable conditions differ depending on the selected property.
   - If “Panel Name”, “Hostname” or “Comment #1-3” is selected for the “property”, enter a condition (within 25 characters) and select whether the entered string should be contained or not contained.
   - If “Terminal Type”, “Network Acknowledgment” or “Distribution Status (**)” is selected for the “properties” (substitute ** with one of Schedule, Program, Scroll message or System update), select a condition from the list.
   - To add more conditions, click [Add New Condition] and follow the procedure from 3.
     Only the panels that satisfy all the conditions appear in the display list.
   - To delete an added condition, click [Delete].
5. **Click [OK].**
   The filter is saved in the menu and only the panels that satisfy the conditions appear in the display list.

● Configuring the settings in Show / Hide Menu Tabs and changing the password

Set whether items in the tab menu are displayed or hidden, and change the password.

1. **Click the "System Configuration" tab.**
2. **Click [Preference].**
   The Pro Manager Option setting window will appear.



Show / Hide Menu Tabs

Displays or hides the menu functions. Checked functions are displayed on the tabs of the screen.

Menu option	Explanation
Schedule Distribution	This button lets you assign a schedule to a panel and execute distribution.
Distribution Status	This button lets you check the schedule distribution status.
Panel Status	This button lets you retrieve the schedule that has been distributed to a panel.
Status Monitoring	This button lets you check the status of the panel and send a command to the panel.
Panel Info	This button lets you view the panel list window.
Break-in Program	This button lets you assign a break-in program to a panel and execute distribution.
Emergency Scroll Message	This button lets you assign an emergency scroll message to a panel and execute distribution.
Viewer Update	This button lets you change the settings of the viewer PC.
System Log	This button lets you browse the operation history information of the system log.

Changing the password

Change the password of a logged-in user. Enter the old password and then the new password.

Panel Management

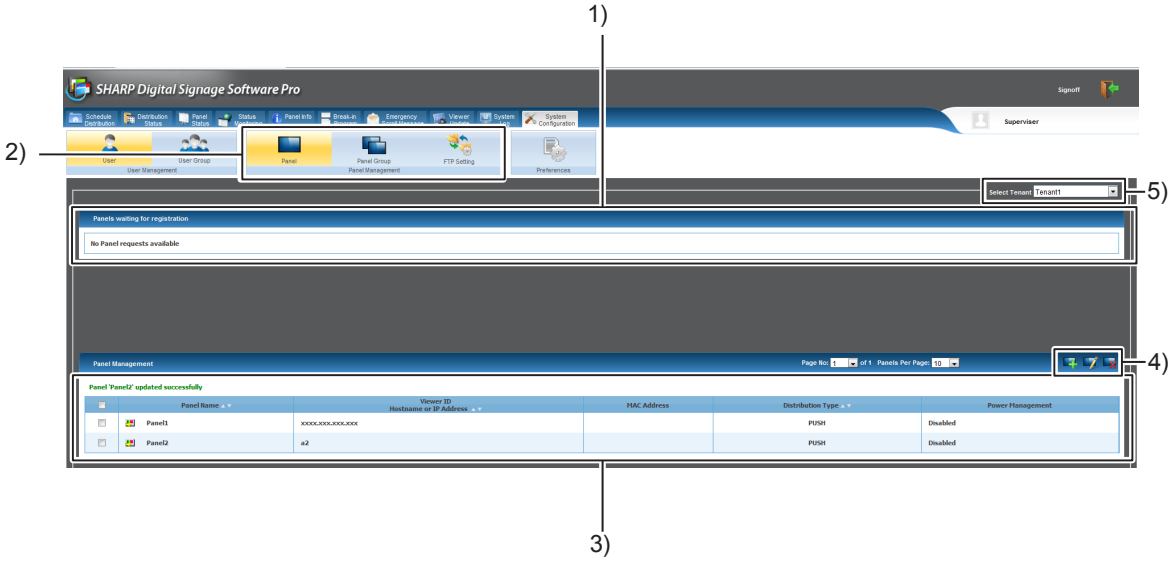
When distributing programs to multiple panels using the SHARP Digital Signage Software Pro WEB Server Version, you must first set the panels to be managed.

Managing panels

● Opening the Panel Management window

1. **Click the "System Configuration" tab.**
2. **Click [Panel].**
   The Panel Management window will appear.

● The main Panel Management window



1) Panels waiting for registration

Displays a list of all panels waiting for registration.

2) Toolbar

Switches between the Panel Management window, Panel Group window and FTP Setting window.

3) Panel list

Displays a list of all registered panels.

Item	Description
Check box	Selects a panel.This is used to edit and delete a panel.
Panel Name	Registered panel name.
Viewer ID, Hostname or IP Address	Viewer ID, IP address or host name of the viewer PC.
MAC Address	MAC address of the viewer PC.
Distribution Type	Distribution type (PUSH type distribution/PULL type distribution).
Power Management	Sets whether or not to manage the power of the viewer PC.

- The maximum number of panels that can be managed is 1,000.
- When you select a page number from the “Page No” list box, panel information in the following pages can be displayed.
- You can select the number of the panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

4) Buttons

Add, edit or delete a panel.

5) Select Tenant

Select a tenant.

- When you log in as a supervisor, “Select Tenant” appears.
- Select a tenant.

● Adding/editing a panel

1. **To add a new panel to be managed, click** **.**
   To edit an existing panel, check the check box for the panel to be edited (up to one), and click .
   The [Add New Panel (Viewer PC)] or [Edit Panel (Viewer PC)] window will appear.

   The settings for the add operation and the edit operation are the same.Panels can also be edited after they have been added.

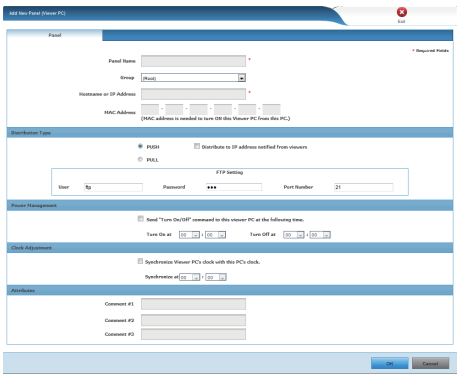
2. **Set the options.**

   1) Panel Name (Required)

   Choose a name that will make it easy to identify the panel.
   (1 to 50 characters)

   2) Group

   In the Group box, select a group to add the panel to.
   If you do not want to assign the panel to any particular group, select “(Root)”.Panels that are not assigned to any particular group will be added under “All Panels”.
   Refer to “Adding/editing a panel group” on p.122.



3) Hostname or IP Address (PUSH type distribution)/Viewer ID (PULL type distribution) (Compulsory)

- In case of the PUSH type distribution [static IP address], set the host name or IP address of a viewer PC that can be accessed from the server.
- In case of the PUSH type distribution [dynamic IP address] or PULL type distribution, set a viewer ID beginning with "@" (2 to 30 alphanumeric characters).



You cannot create two or more panels with the same host name, IP address and viewer ID.

4) MAC Address

Set the MAC address for the viewer PC if you want to turn it on from the management PC.

5) Distribution Type

To send data to the viewer PC, select the "PUSH" radio button.
If you want the viewer PC to retrieve data from the management PC at regular intervals, select the "PULL" radio button.
If the viewer PC does not have a static IP address for PUSH type distribution, check "Distribute to IP address notified from viewers".

6) FTP Setting (for the PUSH type distribution only)

Enter the "User" (within 30 alphanumeric characters), "Password" (within 30 alphanumeric characters), and "Port Number" (1-65535) that you set for the viewer PC FTP service settings.



FTP settings for adding a panel can be set in advance.
Click [FTP Setting] and set the default values. Refer to "Registering the FTP settings default values for adding a panel" on p.123.

7) Power Management

If you want to turn the power of the viewer PC on or off at a specified time, select "Send "Turn On/Off" command to this viewer PC at the following time", and set the "Turn On at" and "Turn Off at".(Times can be specified in increments of 5 minutes)

8) Clock Adjustment

If you want to synchronize the time of the management PC with that of the viewer PC, select "Synchronize Viewer PC's clock with this PC's clock" and set the synchronization time. (Times can be specified in increments of 5 minutes)

9) Attributes

Enter a comment for the viewer PC.

3. Click [OK].

● Registering a panel (viewer PC) for data request

You can register (approve) a panel based on the configuration information sent from the viewer PC for the PUSH type distribution (dynamic IP address) and PULL type distribution panels.
Configuration information can be sent from the viewer PC using the [Network] tab in the setting dialog box of the Client Scheduler. (☞p.167)

1. **Check the check box for a panel to be registered from the panel list displayed in "Panels waiting for registration" in the Panel Management window, and click .**
2. **Set the options.**
   The [Add New Panel (Viewer PC)] window will appear.

   The settings are the same as those for "Adding/editing a panel" (☞p.120).

   If you want to register all the panels at once, check the check boxes for the panels to be registered and click , and then select a panel group from the list box and click [OK].

● Adding/editing a panel group

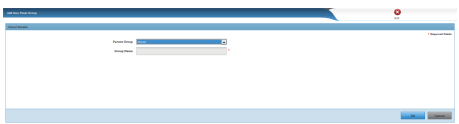
1. **Click Panel Group in Panel Management.**
   A panel group list will appear.

   • When you log in as a supervisor, "Select Tenant" appears.
   • Select a tenant.

2. **To add a panel group, click .**
   To edit a panel group, check the check box for the panel group to be edited, and click .
   The [Add New Panel Group] dialog box will appear.

   You can also create a panel group under a panel group.

3. **Select a parent group.**
4. **Enter a "Group Name".**
5. **Click [OK].**



● Deleting a panel or panel group

1. **Check the check box for the panel or panel group to be deleted in the Panel List or Panel Group List window.**

   If you select a panel group, all the panels assigned to that panel group will be deleted.

2. **Click (Panel) or (Panel Group).**
   A confirmation message will appear.
3. **Click [OK].**

● Registering the FTP settings default values for adding a panel

FTP settings for adding a panel can be set in advance.

1. **Click [FTP Setting] in the Panel or Panel Group List window.**
   The [Default FTP Setting] window will appear.

   • When you log in as a supervisor, “Select Tenant” appears.
   • Select a tenant.



2. **Enter a user name (up to 30 alphanumeric characters), password (up to 30 alphanumeric characters) and port number (1 to 65535).**
   • The initial default values are as follows:
   User name: ftp, Password: ftp, Port number: 21
3. **Click [OK].**

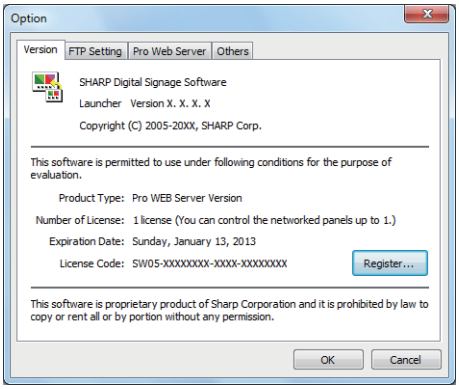


Option

Option allows you to check product version information and to set values for adding panels in advance.

● Launching Option

1. **Click**  **on the Launcher window.**
   The [Option] dialog box will appear.



● Checking version information

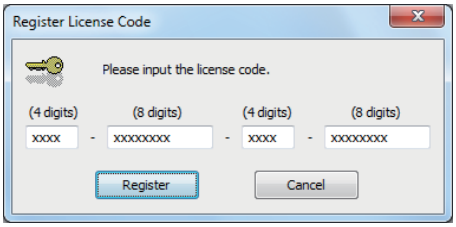
The [Version] tab displays version information.
In the event that you contact us regarding a problem with the software, you may be asked to check this version information.

Registering a license code

If you input a temporary license code when installing, you will only be able to use the software for a two-month trial period.Register your license code before the end of the trial period.

1. **Click [Register].**
   The [Register License Code] dialog box will appear.

2. **Enter your "license code" and click [Register].**



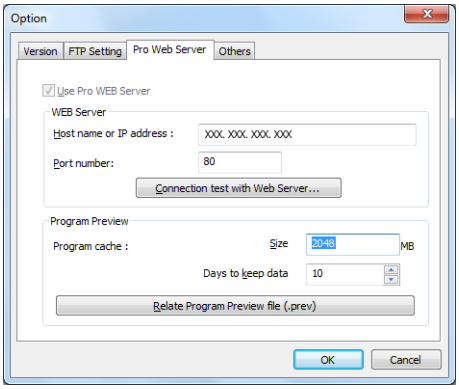


Click [Allow] (for Windows Vista) or [Yes] (for Windows 7/8/8.1/10) if a User Account Control window appears.

● Setting up Web Server

If a web server is not configured, configure web server settings.

1. **Click the [Pro Web Server] tab.**
2. **Set Web Server.**
   - Host name or IP address (within 50 alphanumeric characters)
   - Port number (1-32000)

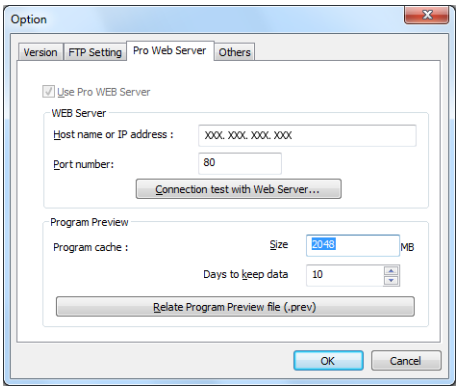


[Test connection] can be clicked to check if communication with the web server is possible.

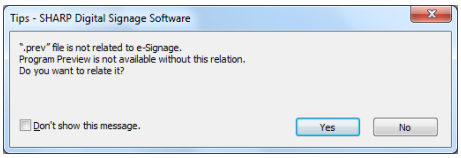
● Setting associations for program preview files

When a program preview file does not have an association, set the file association.

1. **Click the [Pro Web Server] tab.**
2. **Click “Relate Program Preview file”.**



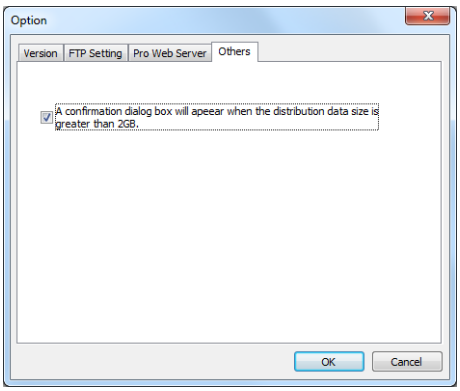
The first time you launch SHARP Digital Signage Software, a confirmation window will appear. Associations can also be set by clicking [Yes].



● Displaying a confirmation dialog box when the distribution data size is greater than 2 GB

If you want to have a confirmation message appear when the distribution data is greater than 2 GB, select the checkbox.

1. **Click the [Others] tab.**
2. **Select the “A confirmation dialog box will appear when the distribution data size is greater than 2GB” checkbox.**



Distributing

This section explains how to distribute a schedule created with Schedule Editor to the viewer PC.

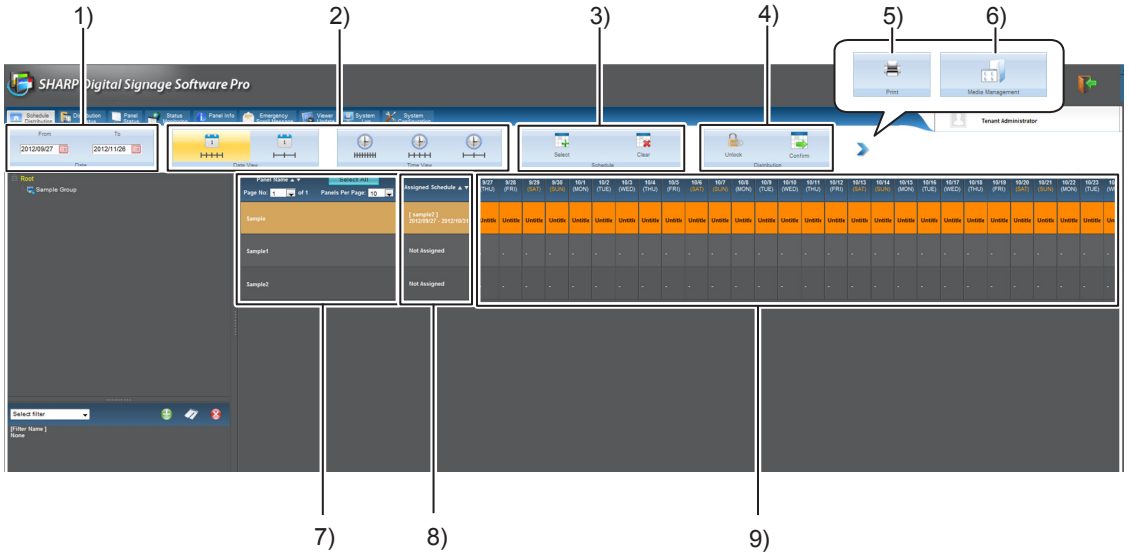
Schedule Distribution

Assigns a schedule to a panel and reserves program distribution.
Schedules are created using Schedule Editor of the SHARP Digital Signage Software.

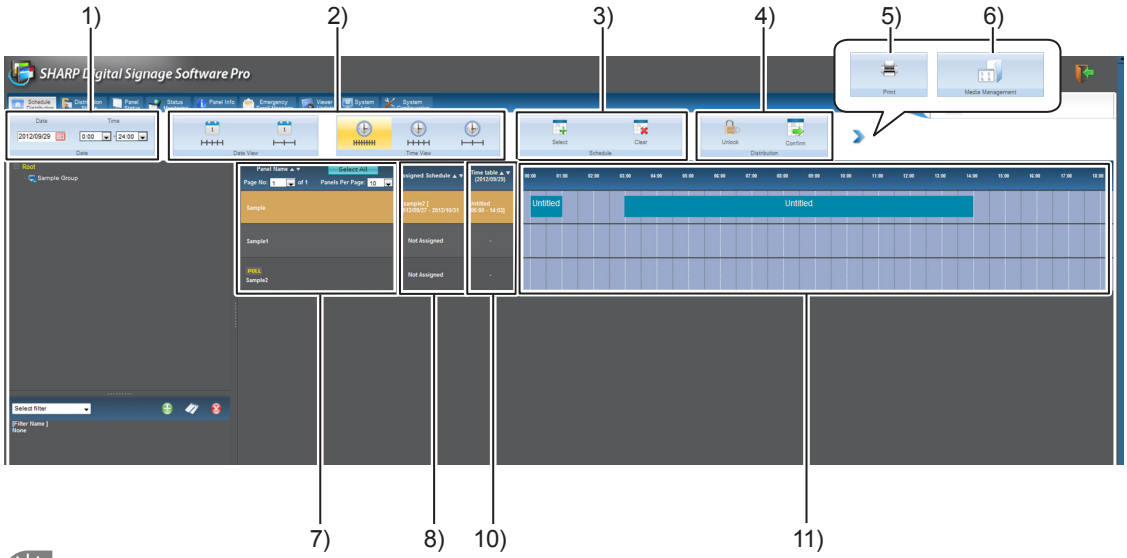
In the display list, panels and their assigned schedules are shown.
For each day, the details of the timetable set for the day is displayed. (day view)
Clicking the “Timetable” icon displays the timetable for that day. (Hour view)

You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

Day view

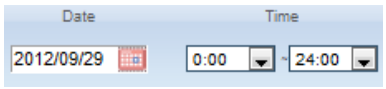


Hour view



The Distribution Schedule function is for setting schedules which are going to be distributed. Schedules are not distributed to the panels until they are confirmed. Therefore, the schedules displayed in Distribution Schedule are different from the current schedules of the panels. The current schedules of the panels can be viewed from [Panel Status].

1) Date / Time

	Specifies the date to be displayed on the display list in the day view. Click the icon to display a dialog box and click the date in the dialog box. The maximum number of days to display is 61 days.
	Specifies the duration (the start time and the end time) to be displayed on the display list in the hour view. 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 list box.

2) Date View / Time View

	Sets the display list to the day view. The width of an item (a day) in the display list can be changed.
	
	Sets the display list to the hour view. The width of an hour in the display list can be changed.
	
	

3) Schedule

	Assigns a schedule to a panel. Select a panel to assign the schedule and click this icon. (☞p.130)
	Reverts to the state before the schedule was assigned. Select a panel to revert and click this icon.

4) Distribution

	Cancels the confirmation of the schedule which was assigned to a panel and confirmed. Select a panel to cancel the confirmation and click this icon.
	Confirms the schedule and reserves distribution. Select a panel to confirm the schedule and click this icon. (☞p.131)



To cancel confirmations of the schedule which is waiting for distribution or being distributed, cancel the schedule in [Distribution Status]. (☞p.133)

5) Print

	Prints a schedule displayed in the display list.

6) Media Management

	Displays the list of data uploaded to the management PC and deletes it.(☞p.144)

7) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

8) Assigned Schedule

Displays the names of the programs assigned to the panels.

9) Calendar (day view)

For each day, the details of the timetable set for the day is displayed.

10) Timetable list (Time view)

For each day, the details of the timetable set for the day is displayed.

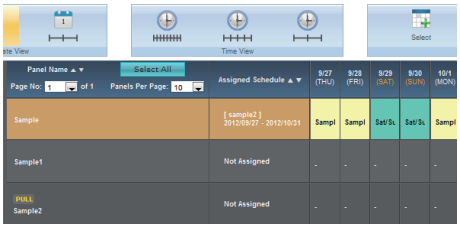
11) Timetable (Time view)

For each day, the timetable set for the day is displayed.
When you click a program, the thumbnail is displayed.

● Distributing a schedule

1. **Click the [Schedule Distribution] function tab.**
2. **Select panels.**
   - Use the group tree to show only the panels registered in a group on the list.
   - Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Click all panels to be distributed.**
   Clicking the [Select All] button selects all panels on the page that is currently displayed.
   (Note) Only panels displayed on the same page can be selected simultaneously.Panels on multiple pages cannot be selected.
4. **Assign a schedule to a panel.**
   1) Select a panel to assign a schedule to.
   You can also select multiple panels.
   2) Click 

   .
   The [Assign Schedule] window will appear.



   3) Select the schedule data and click [OK].
   The schedule is now assigned.





- When you log in as a supervisor, “Select Tenant” appears.
- Select a tenant.



5. Confirm the schedule.

1) Select a panel to confirm the schedule.
You can also select multiple panels.

2) Click 

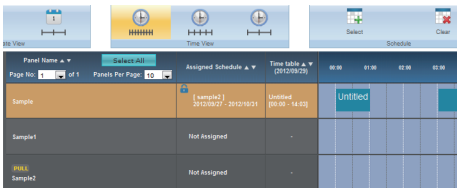
.
The [Set Distribution] window will appear.



3) Set the distribution date and time.
- "Distribute Now" option button
  In the PUSH type distribution, select this option to distribute the schedule after the procedure (5) is completed. This option is not available in PULL type distribution.
- "Distribute at the following time" option button
  Select this option to distribute the schedule at a specified date and time.
  In PULL type distribution, the distribution will start at the time of the first access from the viewer PC after the specified date and time.

4) Set the distribution options.
- "Turn ON Viewer PC before starting distribution" check box
  Check this box to turn on the viewer PC if it is not turned on before starting the schedule distribution. This option is not available in PULL type distribution.
- "Turn OFF Viewer PC after distribution" check box
  Check this box to turn off the viewer PC after the distribution is complete.
- "Distribute only differences from content files on Viewer PC" check box
  Distributes only content that has not been distributed yet (data with a different file name, file creation date/time, data size, etc.) and does not distribute content that has already been distributed.
- "Merge this schedule with Viewer PC schedule" check box
  Check this box to add this schedule to the schedule already existing on the viewer PC. If this check box is not checked, the schedule of the viewer PC is overwritten with the schedule to be distributed.

5) Click [OK].
The schedule is now confirmed.
Confirmed schedules are marked with the confirmed sign ().





- Check in the [Distribution Status] to see if the distribution is completed properly. (☞p.133)
- You cannot edit a timetable and program on the WEB server.You need to edit them again in the editor and upload them to the server.
- Distribution of schedules and programs may take some time. Even in the simultaneous distribution to multiple panels, the data is actually sent sequentially. For this reason, there may be some time difference in schedule and program distribution.
- The schedule data of the past is not distributed. Only the schedule data for today and onward is distributed.

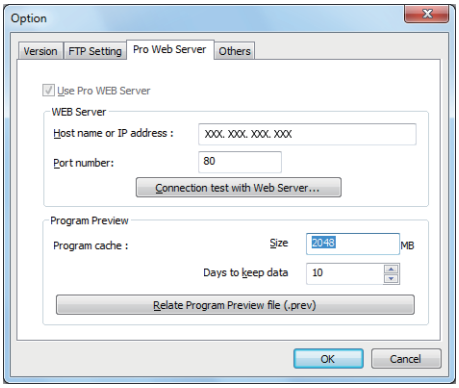
• Downloading and previewing a program

1. **Click** 

on the Launcher window.
The [Option] dialog box will appear.

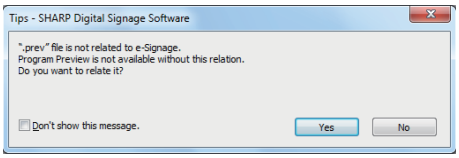
2. **Click the [Pro Web Server] tab.**

3. **Click “Relate Program Preview file ”.**



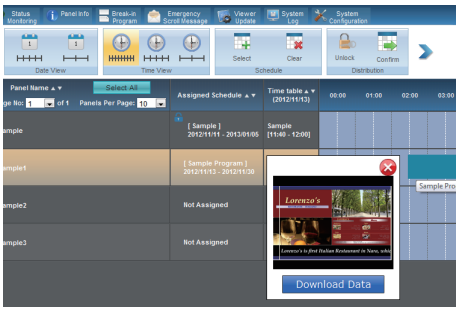


The first time you launch SHARP Digital Signage Software, a confirmation window will appear. Associations can also be set by clicking [Yes].



4. **Click the “Schedule Distribution” function tab.**

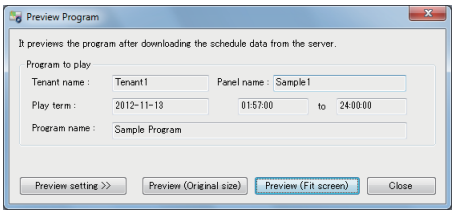
5. **Click the program that you want to download.**
The program thumbnail appears.



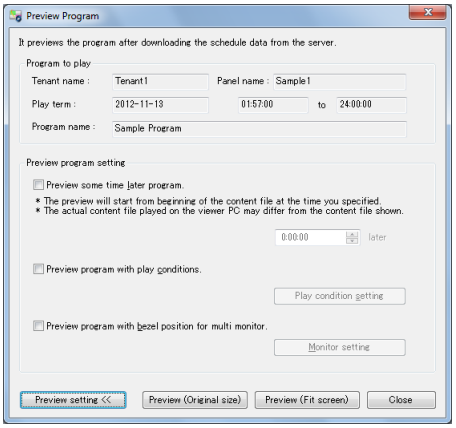
6. **Click [Download Data].**
The “Download Data” button appears when the logged in user meets the following conditions.
1. Select the “Data Download” checkbox in Add New User Group (☞p.153).
2. The user who logged in is registered in a user group and has approval authority.

If a security warning message appears on your computer, select “Open”.
The program preview window appears.

7. **Click [Preview (Original Size)] or [Preview (Fit Screen)].**
   - [**Preview** (Original Size)] button
     Preview at the original screen size.
   - [**Preview** (Fit Screen)] button
     Preview with the screen size fit to your computer’s screen.



Preview setting



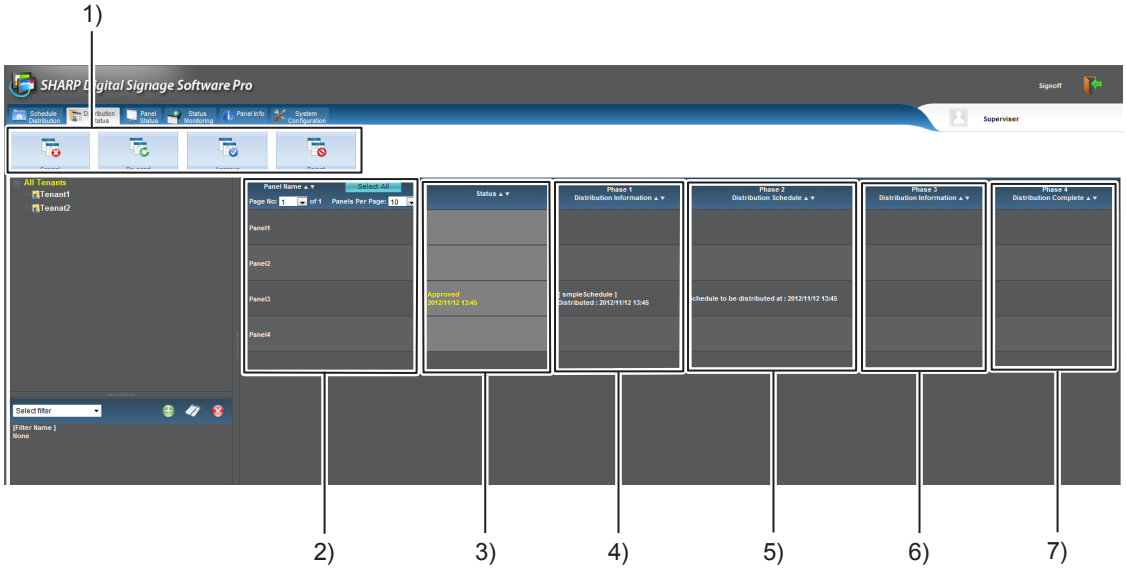
To select preview conditions, click “Preview setting”.

- Preview some time later program.:
  Show a preview of the program after the specified time elapses. The time at which the program switches to the following content may differ from situations where programs are played from the beginning since the first content displayed must be played from the beginning when previewing programs with this function.
- Preview program with play conditions.:
  Click “Play Condition Setting” to set conditions.During conditional content playback, content matching the conditions set in [Play condition setting] is displayed.
  - “Play Date”: Sets the date on which the program will be played.
  - “Play Time”: Sets the time at which the program will be played.
  - “Panel name”: Sets the panel on which the program will be played.
  - “Group”: Sets the group with which the program will be played.
  - “Comment” Sets comments on the panel on which the program will be played.
- Preview program with bezel position for multi monitor.:
  Displays the program preview over the edges between panels when using multiple monitors.
  * Think of the edges as rough estimates.
  - “Model name”: Select the monitor model name.
  - “Composition”: Select the multi-monitor setup.

Distribution Status

This button lets you check the schedule distribution status.

You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.



1) Operation toolbar

	Stops uncompleted schedule distribution and cancels the confirmation. Select a panel to stop distribution and click this icon.
	Resends the schedule for which a distribution error has occurred. Select a panel to resend the schedule and click this icon.
 (*)	Approve the schedule. Only a user with approval authority can make approvals. Select the panel with the distribution that requires approval, and click this icon.
 (*)	Reject the schedule.Only a user with approval authority can make rejections. If rejected, distribution will not take place.Select the panel with the distribution that requires approval, and click this icon.

* This appears when the logged in user meets the following conditions.

1. Enable the distribution approval function using Pro Web Server Management Tool.
2. Select the “Distribution Approval” checkbox in Add New User Group (☞p.154).
3. The user who logged in is registered in a user group and has approval authority.

2) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

3) Status

Shows the date and time of approval or rejection. If approval is pending, shows “Waiting for approval”.
Appears when the distribution approval function has been enabled using Pro Web Server Management Tool.

4) Distribution Information

Displays the names of assigned schedules and the confirmed dates and times of their distribution.

5) Distribution Schedule

Displays the dates and times the distribution is scheduled for.

6) Distribution Start

Displays the dates and times the distribution is started.

7) Distribution Complete

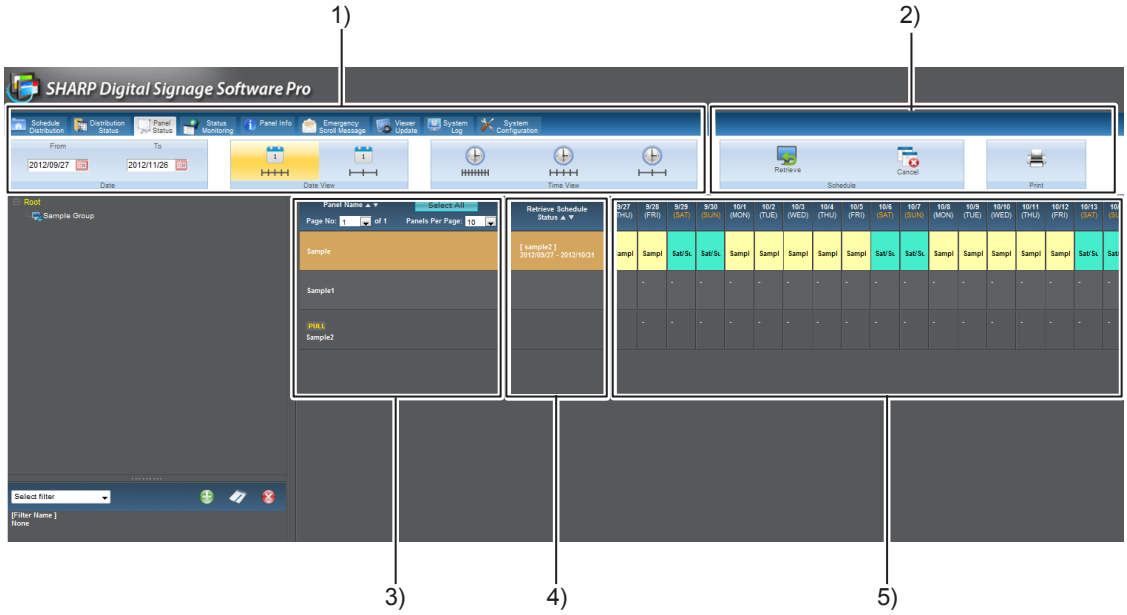
Displays the dates and times the distribution is completed.
If the distribution is not completed properly, the reason will be displayed.

Panel Status

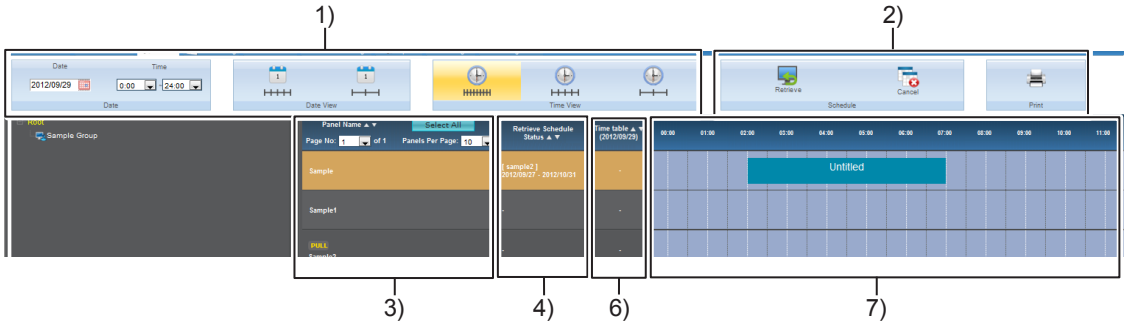
This button lets you check the schedules distributed to the panels.
As in the case of Distribution Schedule, both the day view and the hour view are available.

You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

Day view



Hour view



1) View toolbar

Refer to p.128 for more details.

2) Operation toolbar

Retrieve	This button lets you retrieve the information of the schedules distributed to the panels. Select a panel to retrieve the information and click this icon. In PULL type distribution, the information will be retrieved at the time of the first access from the viewer PC after this operation.
Cancel	This button lets you cancel the retrieval of the information of the schedules distributed to the panels.Select a panel to cancel the retrieval of the confirmation and click this icon.
Print	Prints a schedule displayed in the display list.

3) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

4) Retrieve Schedule Status

Displays the names of retrieved schedules and the dates and times when their retrieval was complete.

5) Calendar (day view)

For each day, the details of the timetable for the day is displayed.

6) Timetable list (hour view)

For each day, the details of the timetable set for the day is displayed.

7) Timetable (hour view)

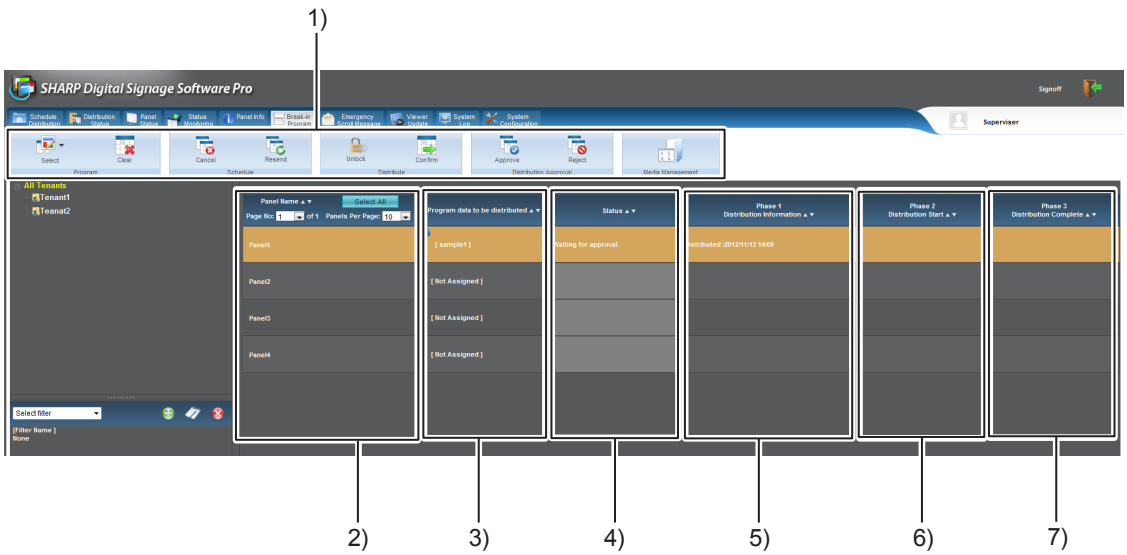
For each day, the timetable set for the day is displayed.
When the cursor is placed over a program, the thumbnail is displayed.

Emergency Distribution

● Break-in Program

This button lets you distribute break-in programs for emergency.
It also lets you check the distribution status of such programs.
It is also possible to send a stop command for programs to halt the break-in program in the middle.
You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

*** Change the settings in Show / Hide Menu Tabs so that the "Break-in Program" tab is shown. (☞p.118)**



1) Operation toolbar

Select	Assigns a break-in program (or a stop command for program) to a panel. Select a panel to assign and click this icon. (☞p.138)
Clear	Reverts to the state before a program (or a stop command) was assigned. Select a panel to revert and click this icon.
Cancel	Stops uncompleted distribution of a program (or a stop command) and cancels the confirmation. Select a panel to stop distribution and click this icon.
Resend	Resend a program (or a stop command) for which a distribution error has occurred. Select a panel to resend and click this icon.
Unlock	Cancels the confirmation of a program (or a stop command) which was assigned to a panel and confirmed. Select a panel to cancel the confirmation and click this icon.
Confirm	Confirms a program (or a stop command) and reserves distribution. Select a panel to confirm and click this icon. (☞p.139)
Approve (*)	Approve the special program.Only a user with approval authority can make approvals. Select the panel with the distribution that requires approval, and click this icon.
Reject (*)	Reject the special program.Only a user with approval authority can make approvals. If rejected, distribution will not take place.Select the panel with the distribution that requires approval, and click this icon.
Media Management	Displays the list of data uploaded to the management PC and deletes it. (☞p.144)

* This appears when the logged in user meets the following conditions.
1. Enable the distribution approval function using Pro Web Server Management Tool.
2. Select the “Break-In Program Approval” checkbox in Add New User Group (☞p.154).
3. The user who logged in is registered in a user group and has approval authority.

2) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

3) Program data to be distributed

Displays the names of the programs assigned to the panels.

4) Status

Shows the date and time of approval or rejection. If approval is pending, shows “Wainting for approval pending”.
Appears when the distribution approval function has been enabled using Pro Web Server Management Tool.

5) Distribution Information

Displays the confirmed dates and times of distribution.

6) Distribution Start

Displays the dates and times the distribution is started.

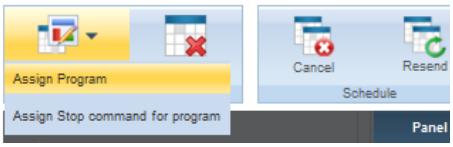
7) Distribution Complete

Displays the dates and times the distribution is completed.
If the distribution is not completed properly, the reason will be displayed.

● Distributing break-in programs and stop commands

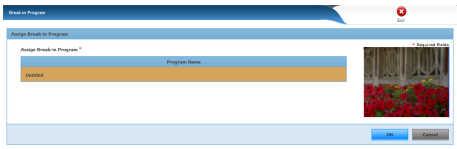
1. **Click the “Break-in Program” function tab.**
   If the “Break-in Program” tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)
2. **Select panels.**
   - Use the group tree to show only the panels registered in a group on the list.
   - Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Assign a break-in program (or a stop command for program) to a panel.**
   1) Click a panel to assign a program (or a stop command).
      You can also select multiple panels.
   2) Align the mouse pointer with 

.



To assign a break-in program:

   3) Click [Assign Program].
      The [Assign Break-in Program] window appears.



• When you log in as a supervisor, “Select Tenant” appears.
• Select a tenant.



4) Select the program data and click [OK].
The program is now assigned.

To assign a stop command:

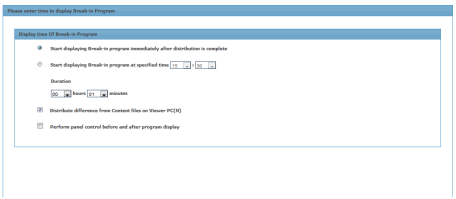
3) Click [Assign Stop command for program].
The stop command is now assigned.

4. Confirm distribution

1) Click a panel to assign a program (or a stop command).
You can also select multiple panels.

2) Click 

.
The [Please enter time to display Break-in Program] window appears.
• When distributing only stop commands, a message will appear instead of this window. Click [OK] to confirm the distribution of stop commands.
• When distributing both break-in programs and stop commands, the window will appear. The settings in the dialog box are valid for break-in programs.



3) Set the “Display time Of Break-in Program” area.
• “Start displaying Break-in program immediately after distribution is complete” option button
Displays the program as soon as the distribution wizard exits.
• “Start displaying Break-in program at specified time” option button
Starts program display at the set time.

4) Set a “Duration”.

5) Select whether to re-distribute the contents distributed in the past to the viewer PC.
Check the “Distribute differences from Content files on Viewer PC(N)” check box to distribute only the contents yet to be distributed (the files with different names, creation dates, data sizes, etc.) and not to distribute the contents that have already been distributed.

If you do not want to perform panel control operations before and after a break-in program:

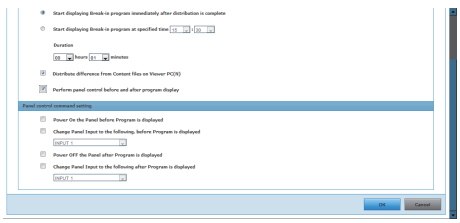
6) Clear the “Perform panel control before and after program display” check box.

7) Click [OK].
The break-in program is now confirmed.
Confirmed programs (or stop commands) are marked with the confirmed sign ().

If you want to perform panel control operations before and after a break-in program:

6) Check the “Perform panel control before and after program display” check box.
The [Panel control command setting] dialog box will appear.

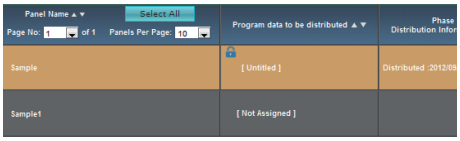
7) Set the panel control command.
• “Power On the Panel before Program is displayed” check box
Turns the panel on before displaying the break-in program.
• “Change Panel Input to the following, before Program is displayed” check box



Switches to the specified input before displaying the break-in program.

- "Power OFF the Panel after Program is displayed" check box
  Turns the panel off after the break-in program has finished.
- "Change Panel Input to the following after Program is displayed" check box
  Switches to the specified input after displaying the break-in program.

8) Click [OK].
   The break-in program is now confirmed.
   Confirmed programs (or stop commands) are marked with the confirmed sign ( ).



- In PULL type distribution, the distribution will start at the time of the first access from the viewer PC after the distribution is confirmed.
- The following restrictions are applicable in the panel control:
  In the case of PN series and LB-1085, the input cannot be switched to "TV".
- The break-in program will not be displayed if its scheduled time has already passed.
- After the end of the break-in program display, programs in the normal schedule will be displayed. The program which was originally scheduled to be displayed at the time when displaying of the break-in program has ended will be displayed from the beginning.
- The end of the break-in program is checked every minute (at second 00). The display of the normal program will start from the first 00 second after the end of the break-in program display.
- Only one break-in program can be assigned to one panel.

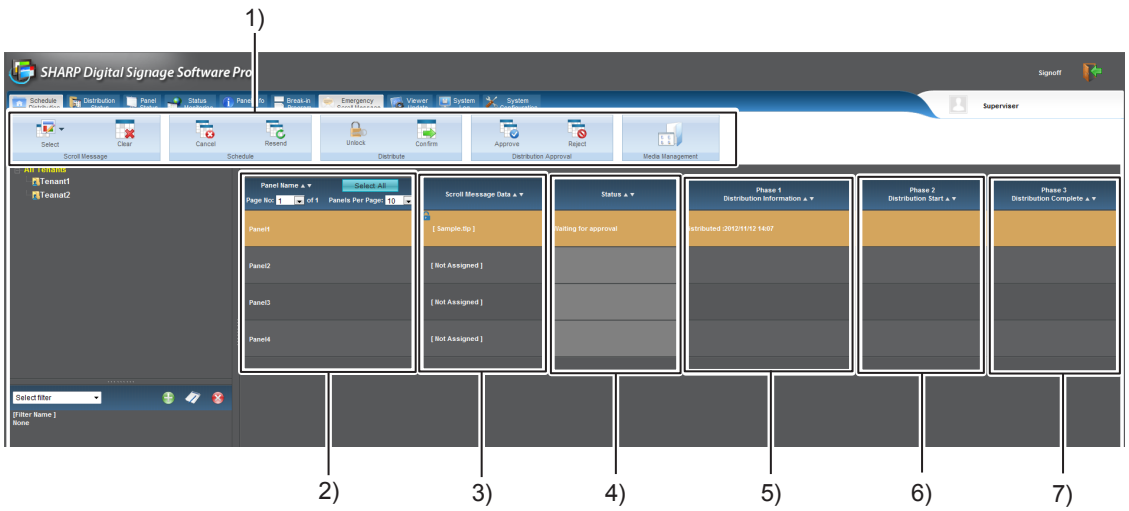
Emergency Scroll Message

This button lets you distribute scroll message for emergencies.
It also lets you check the distribution status of such messages.

You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

*** Change the settings in Show / Hide Menu Tabs so that the "Emergency Scroll Message" tab is shown. (☞p.118)**

To stop displaying a scroll message in the middle, send a stop command for scroll message. (☞p.143)



1) Operation toolbar

Select	Assigns an emergency scroll message (or a stop command for scroll message) to a panel. Select a panel to assign and click this icon. (☞p.143)
Clear	Reverts to the state before a scroll message (or a stop command) was assigned. Select a panel to revert and click this icon.
Cancel	Stops uncompleted distribution of a scroll message (or a stop command) and cancels the confirmation. Select a panel to stop distribution and click this icon.
Resend	Resend a scroll message (or a stop command) for which a distribution error has occurred. Select a panel to resend and click this icon.
Unlock	Cancels the confirmation of a scroll message (or a stop command) which was assigned to a panel and confirmed. Select a panel to cancel the confirmation and click this icon.
Confirm	Confirms a scroll message (or a stop command) and reserves distribution. Select a panel to confirm and click this icon.
Approve (*)	Approve the emergency scroll message.Only a user with approval authority can make approvals. Select the panel with the distribution that requires approval, and click this icon.
Reject (*)	Reject the emergency scroll message.Only a user with approval authority can make approvals. If rejected, distribution will not take place.Select the panel with the distribution that requires approval, and click this icon.
Media Management	Displays the list of data uploaded to the management PC and deletes it. (☞p.144)

* This appears when the logged in user meets the following conditions.
1. Enable the distribution approval function using Pro Web Server Management Tool.
2. Select the “Emergency Scrolling Message Approval” checkbox in Add New User Group (☞p.154).
3. The user who logged in is registered in a user group and has approval authority.

2) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

3) Scroll message Data

Displays the details of the scroll messages assigned to the panels.

4) Status

Shows the date and time of approval or rejection. If approval is pending, shows “Wainting for approval”.
Appears when the distribution approval function has been enabled using Pro Web Server Management Tool.

5) Distribution Information

Displays the confirmed dates and times of distribution.

6) Distribution Start

Displays the dates and times the distribution is started.

7) Distribution Complete

Displays the dates and times the distribution is completed.
If the distribution is not completed properly, the reason will be displayed.



In PULL type distribution, the distribution will start at the time of the first access from the viewer PC after the distribution is confirmed.

● Distributing emergency scroll messages and stop commands for scroll message

This button lets you distribute scroll message for emergency.
To stop displaying a scroll message in the middle, send a stop command for scroll message.

1. Click the “Emergency Scroll Message” function tab.

If the “Emergency Scroll Message” tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)

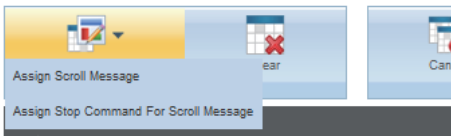
2. Select panels.

- Use the group tree to show only the panels registered in a group on the list.
- Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)

3. Assign a scroll message (or a stop command) to a panel.

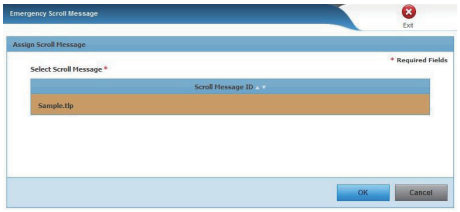
1) Click a panel to assign a scroll message (or a stop command).
   You can also select multiple panels.
2) Align the mouse pointer with 

.



To assign an emergency scroll message:

3) Click [Assign Scroll Message].
   The [Emergency Scroll Message] window will appear.
4) Select the scroll message data and click [OK].
   The emergency scroll message is now assigned.



To assign a stop command:

3) Click [Assign Stop Command For Scroll Message].
   The stop command is now assigned.

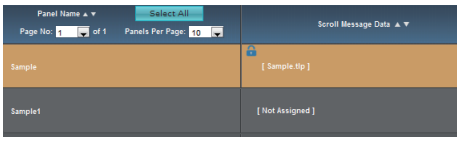


- When you log in as a supervisor, “Select Tenant” appears.
- Select a tenant.

4. Confirm distribution.

1) Click a panel to confirm distribution.
   You can also select multiple panels.
2) Click 

.
3) Click [OK].
   Distribution is now confirmed.
   Confirmed scroll messages (or stop commands) are marked with the confirmed sign ( ).



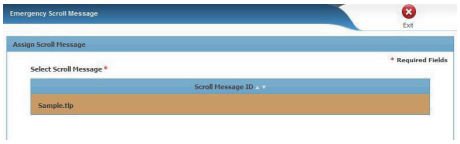
- Specify the position to display the emergency scroll message using the SHARP Digital Signage Software Client Scheduler on the viewer PC.
- When the emergency scroll message is displayed, the scroll message displayed in the original program will not be displayed.

● Deleting the uploaded data

Delete data uploaded from the operation PC to the management PC.

1. **Click the "Schedule Distribution" function tab.**
2. **Click**  **and then** 

.
The [Media Management] window will appear.



3. **Click the tab for the data type to be deleted.**
A list of all uploaded data will appear.

The data types that can be deleted are as follows.

- Schedule Data
- Program Data
- Scroll Messages
- Updaters
- Setting Files
- My Contents

4. **Check the check box for the data to be deleted and click [Delete].**
A confirmation dialog box will appear.
5. **Click [OK].**



This operation can also be performed from the Break-in Program, Emergency Scroll Message and System Update windows.

Management

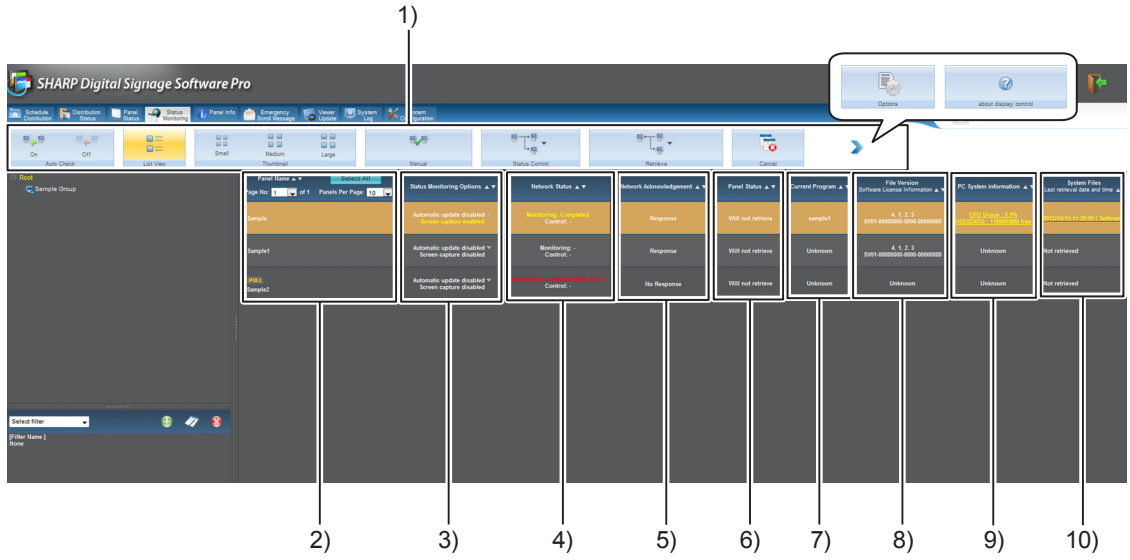
Status Monitoring

This button lets you retrieve and check the panel status.
It also lets you control the power supply for the PC and the panel.

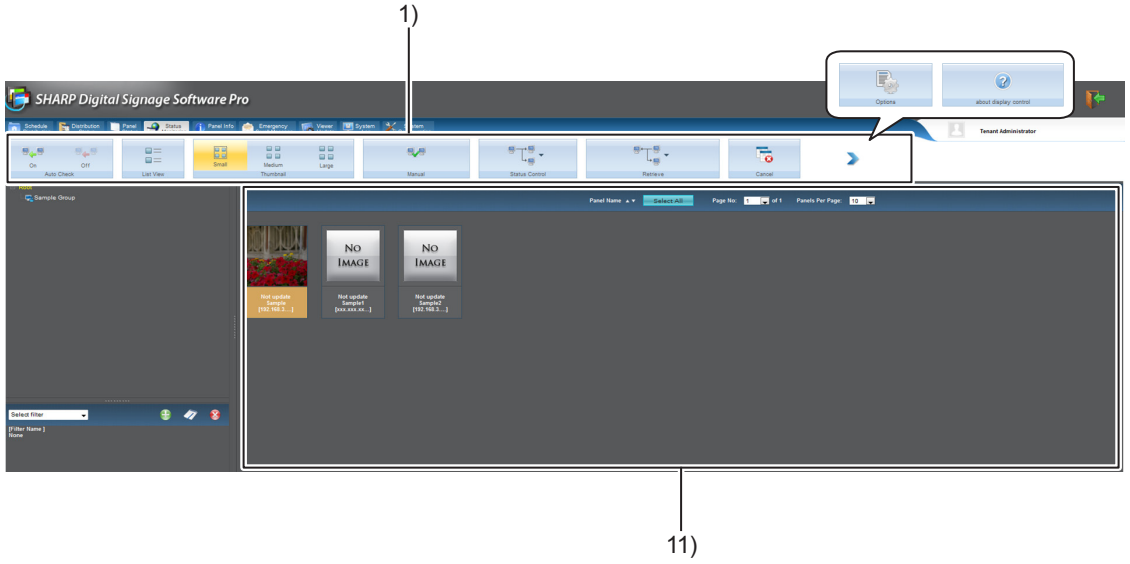
You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

The panel status monitoring function is available only for the SHARP LCD monitor (PN series) and the Touch Display.

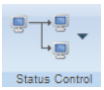
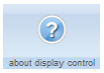
List display



Thumbnail display



1) Operation toolbar

	Monitors the panels automatically. The information of the panels registered with the “Enable Automatic status checking” option is retrieved at regular intervals and displayed. The interval for information retrieval can be changed in the Status Monitoring Options settings. (☞p.149)
	Stops the automatic monitoring of the panels.
	Displays the panel status as a list.
	Displays the panel status by thumbnails. The thumbnail size can be changed.
	
	
	Retrieves the panel status. Select a panel to retrieve the confirmation and click this icon.
	This button lets you control the viewer PCs and the panels, such as turning the power on and off. (☞p.148)
	This button is for retrieving the system files of the viewer PCs. (☞p.148)
	Cancels panel status acquisition.
	Configures the settings for status control and monitoring.
	Displays models supporting the information display. * Displays them with a new tab. For the display details, refer to p.95.

2) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

3) Status Monitoring Options list

Displays the content of the Status Monitoring Options settings for each panel.
The settings can be changed in the menu displayed by placing the cursor over the panel.

Enable Automatic status checking	Sets whether to update the screen or not when the panels are monitored automatically.
Disable Automatic status checking	
Enable Screen capture	Sets whether to retrieve the image currently displayed by the viewer PC as a part of the panel status. The captured image will be displayed as the thumbnail.
Disable Screen capture	

(4) Network Status

Displays the network status for status monitoring and control.

(5) Network Acknowledgment

Displays the acknowledgment results of communication.

(6) Panel Status

Displays the retrieved panel status.

(7) Current Program

Displays the name of the currently displayed program.

(8) File Version, Software License Information

Displays the version and the software license information of the SHARP Digital Signage Software Viewer Version installed in the viewer PC.

(9) PC system information

Displays the PC system information of the viewer PC. Place the cursor over this item to view more details.

(10) System Files Last retrieval date and time

Displays the date and time of the retrieval of system files from the viewer PCs.

(11) Panel icon/thumbnail

Displays the retrieved panel status in terms of icons and thumbnails.

Panel icon/thumbnail	Description
	The viewer PC is in any of the following status. • The panel/viewer PC status cannot be acquired. • There is no response from the viewer PC. • There is a response from the viewer PC, but screen captures of the currently displayed screen cannot be acquired.
 (Example image only)	Displayed when there is a response from the viewer PC and screen captures of the currently displayed screen have been retrieved. * Thumbnails of retrieved screen captures will be displayed. (It differs depending on the display of the viewer PC.)

Panels can be displayed selectively using the Group tree or the Filter bar.
For PULL type distribution, control is performed when access is made from the viewer PC.

● Controlling the viewer PC and the panel

This function lets you control the viewer PC and the panel.

1. **Click the "Status Monitoring" function tab.**
2. **Select panels.**
   - Use the group tree to show only the panels registered in a group on the list.
   - Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Click a panel to control.**
   You can also select multiple panels.
4. **Align the mouse pointer with**  **and select a control option.**

Menu option	Description
Turn On Viewer PC	Turns on the viewer PC of selected panels. This option is not available in PULL type distribution.
Turn Off Viewer PC	Turns off the viewer PC of selected panels.
Restart Viewer PC	Restarts the viewer PC of selected panels.
Adjust the clock of Viewer PC	Synchronizes the clock of the viewer PC with that of the management PC.
Turn On LCD Monitor	Turns on the selected panels.
Turn Off LCD Monitor	Turns off the selected panels.
Pause Program	Pauses program display.
Restart Program	Resumes displaying of a paused program.
Select video input source (INPUT1 to 15, TV)	Switches the video input source of the selected panels. In the case of PN series, LB-1085 and Touch Display, the input cannot be switched to "TV".

A message confirming the option will be displayed.

5. **Click [OK].**
   The selected control option will be processed.
   In PULL type distribution, the selected control will be performed at the time of the first access from the viewer PC after this operation.

● Retrieving system files

This function is for retrieving the system files of the viewer PC.
(The system files are used by the service persons.)

1. **Click the "Status Monitoring" function tab.**
2. **Select panels.**
   - Use the group tree to show only the panels registered in a group on the list.
   - Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Select a panel to retrieve the system file.**
   You can also select multiple panels.
4. **Align the mouse pointer with**  **and select the file to retrieve.**

In PULL type distribution, the selected file will be retrieved at the time of the first access from the viewer PC after this operation.

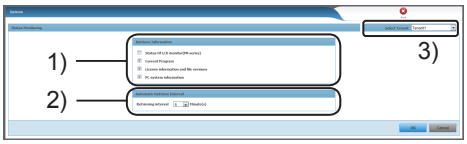


- Only the latest system files can be retrieved.
- To retrieve the Direct X information, the viewer PC must have the Direct X version 9.0 or newer installed.
- File retrieval may take some time depending on the status of the viewer PC or on the file to retrieve
- While system files are being retrieved, the panel status cannot be retrieved
  If the automatic update for panel monitoring is running, suspend it beforehand.

● Configuring the status monitoring settings

Click 

in the Status Monitoring window to display the Options window.



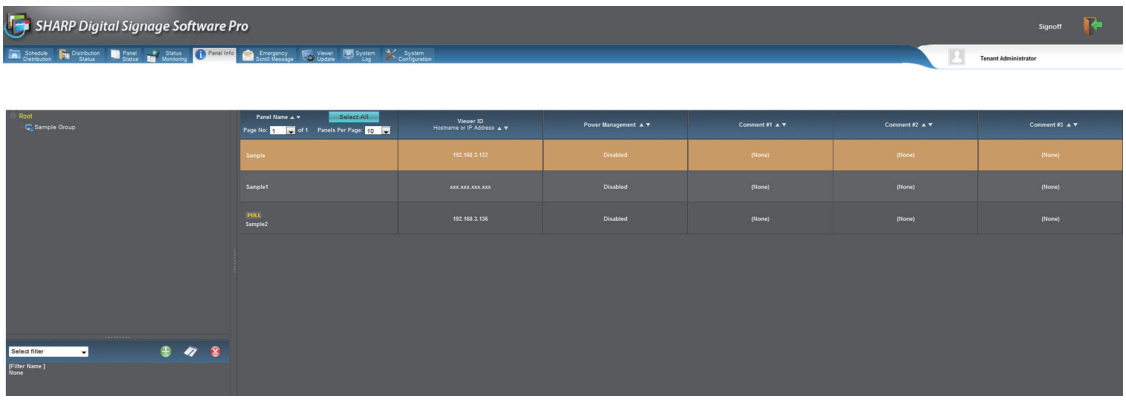
1) Retrieve Information
   - "Status Of LCD monitor (PN series)"
     Checking this check box acquires the panel information from the viewer PC.
   - "Current Program"
     Checking this check box acquires the information on the currently displayed program from the viewer PC.
   - "License information and file versions"
     Checking this check box acquires the license code and the file version of the SHARP Digital Signage Software Viewer Version.
   - "PC system information"
     Checking this check box acquires the system information from the viewer PC.

Status acquisition interval in automatic update mode

2) Retrieving interval
   Sets the interval for monitoring the status in the automatic update mode.This setting is ignored for PULL type distribution.The status is notified every time access is made from the viewer PC in automatic update mode.
3) Select Tenant
   When you log in as a supervisor, "Select Tenant" appears.

Panel Information

This button lets you view the details of each of the registered panels.



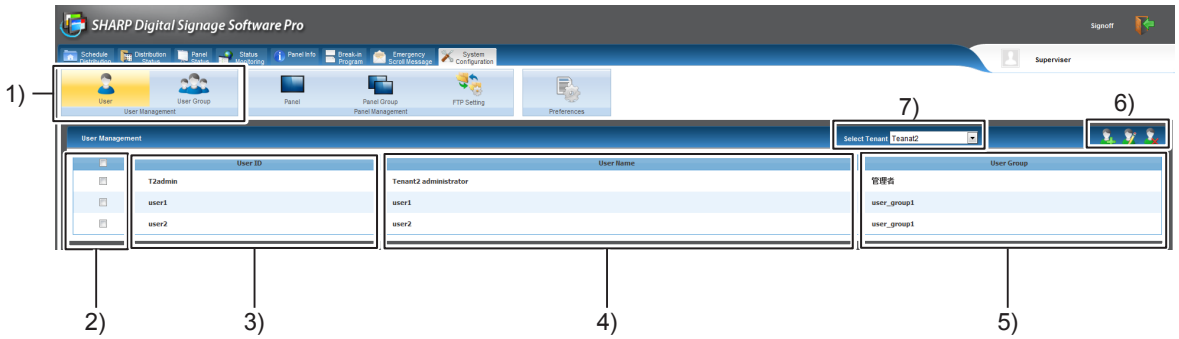
- Panels can be displayed selectively using the Group tree or the Filter bar.
- You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.
- Panel information on the following pages can be displayed by selecting a page number from the "Page No" list box in the header of the panel name.
- You can select the number of the panels to be displayed from 10, 20 or 30 in the "Panels Per Page" list box in the header of the panel name.

User Management

The Main User/User Group Management window

Manages the information on users who log in to the management PC.
Click the [System Configuration] tab and then [User] to display the User Management window.

● Main User Management window



1) Toolbar

Switches between user and user group.

2) Check box

Selects a user. This is used to edit and delete a user.

3) User ID

User ID displayed.

4) User Name

User name displayed when logging in.

5) User Group

Name of a group to which the user belongs.

6) Button

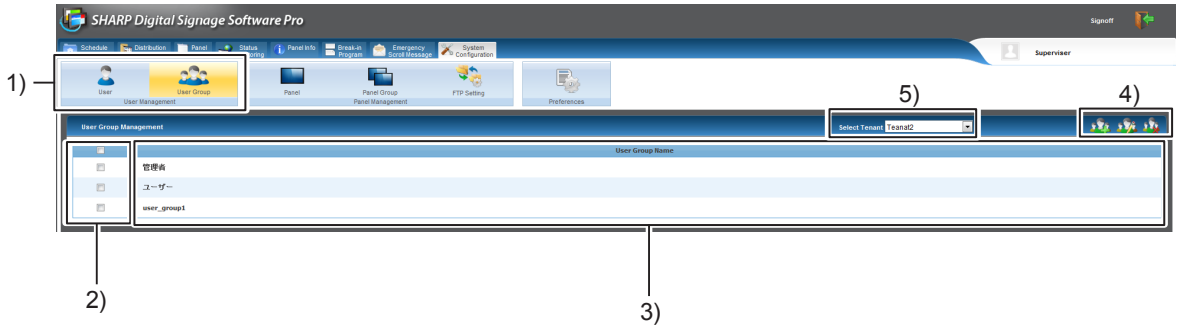
This button lets you add, edit or delete a user.

7) Select Tenant

When you log in as a supervisor, “Select Tenant” appears.

Click [User Group] to display the User Group Management window.
This lets you set the operation permission for the distribution, status monitoring, break-in program, emergency scroll message, etc. for each user group.

● Main User Group Management window



1) Toolbar

Switches between user and user group.

2) Check box

Selects a user group.This is used to edit and delete a user group.

3) User Group Name

Name of a user group.

4) Button

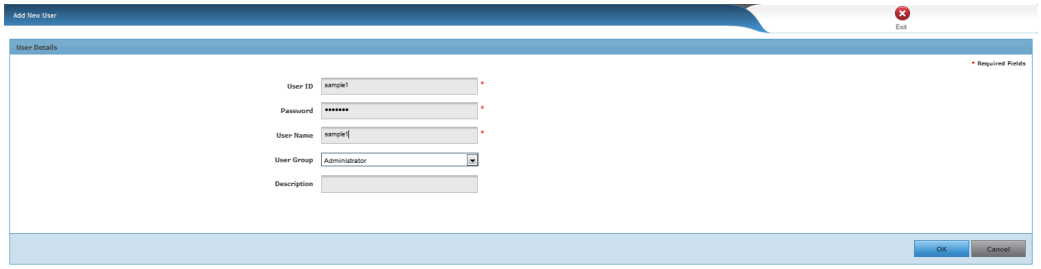
Add, edit or delete a user group.

5) Select Tenant

When you log in as a supervisor, “Select Tenant” appears.

Creating a user

1. **Click  in the User Management window.**
   The Add New User window will appear.
2. **Enter the information in the options.**



Menu option	Explanation
User ID (Compulsory)	ID to be entered when logging in. (1 to 30 alphanumeric characters)
Password (Compulsory)	Password to be entered when logging in. (1 to 30 alphanumeric characters)
User Name (Compulsory)	User name displayed when logging in. (1 to 50 alphanumeric characters)
User Group (Compulsory)	Name of a group to which the user belongs.
Description	Comment about a user. (up to 100 characters)

3. **Click [OK].**

To edit the created user, click  and edit the user.

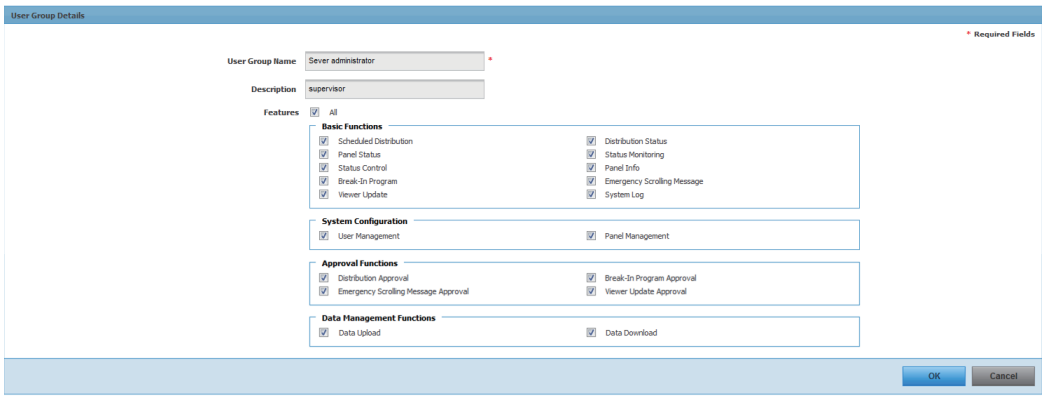
- A user ID that already exists cannot be registered.
- A user ID that was registered cannot be changed.

Creating a user group

1. **Click [User Group] in the User Management window.**
   A user group list will appear.

2. **Click** **.**
   The Add New User Group window will appear.

3. **Enter the information in the options.**



Menu option	Explanation
User Group Name (Compulsory)	Name of a group. (1 to 50 characters)
Description	Comment about a user group. (up to 100 characters)
Functions (Compulsory)	Sets whether or not to permit operations, such as distribution and status monitoring, that are performed by accessing the server.

 To edit the created user group, click  and edit the group.

Operation permission for the following functions can be set.

Basic Functions

Menu option	Explanation
All	Permits operation for all functions.
Scheduled Distribution	This button lets you assign a schedule to a panel and execute distribution.
Distribution Status	This button lets you check the schedule distribution status.
Panel Status	This button lets you retrieve the schedule that has been distributed to a panel.
Status Monitoring	This button lets you check the panel status.
Status Control	This button lets you send a status control command to a panel.
Panel Info	This button lets you view the panel list window.
Break-In Program	This button lets you assign a break-in program to a panel and execute distribution.
Emergency Scrolling Message	This button lets you assign an emergency scroll message to a panel and execute distribution.
Viewer Update	This button lets you change the settings of the viewer PC.
System Log	This button lets you browse the operation history information of the system log.

System Configuration

Menu option	Explanation
User Management	This button lets you add, edit or delete a user.
Panel Management	Add, edit or delete a panel.

Approval Functions

Menu option	Explanation
Distribution Approval	Grant authority to approve distribution.
Break-In Program Approval	Grant authority to approve distribution of Break-in programs.
Emergency Scrolling Message Approval	Grant authority to approve distribution of emergency scroll messages.
View Update Approval	Grant authority to approve distribution of viewer update.



Only appears when the distribution approval function is enabled. (Does not appear when the function is disabled.)

Data Management Functions

Menu option	Explanation
Data Upload	This button lets you upload programs and schedules.
Data Download	This button lets you download programs and schedules.

4. **Click [OK].**
   A new user group will be registered.

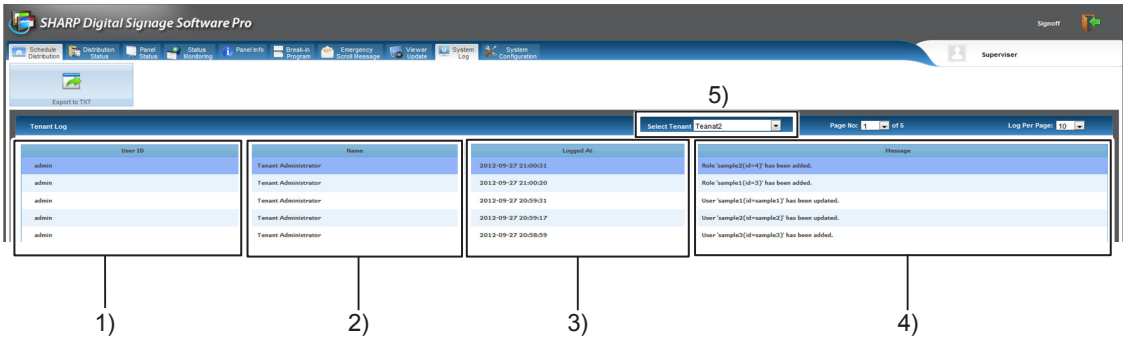
● Deleting a user or user group

1. **Check the check box for the user or user group to be deleted in the User List or User Group List window.**
2. **Click**  **.**
   A confirmation message will appear.
3. **Click [OK].**

Checking the operation history

Displays the history of access to the management PC made by users.
You can view the operation history information for the last 30 days.

1. **Click the “System Log” tab.**
   * Change the settings in Show / Hide Menu Tabs so that the “System Log” tab is shown. (☞p.118)



1) User ID

The user IDs appear.

2) Name

The user names appear.

3) Logged At

The operation dates/times appear.

4) Message

The operation results appear.

5) Select Tenant

When you log in as a supervisor, “Select Tenant” appears.

● Outputting the operation history to a text file

Outputs the operation history information to a text file (.txt) in CSV format.

1. **Click** 

in the upper left part of the window.

   The “File Download” dialog box will appear.

2. **Click [Save], specify the save destination, and click [Save].**

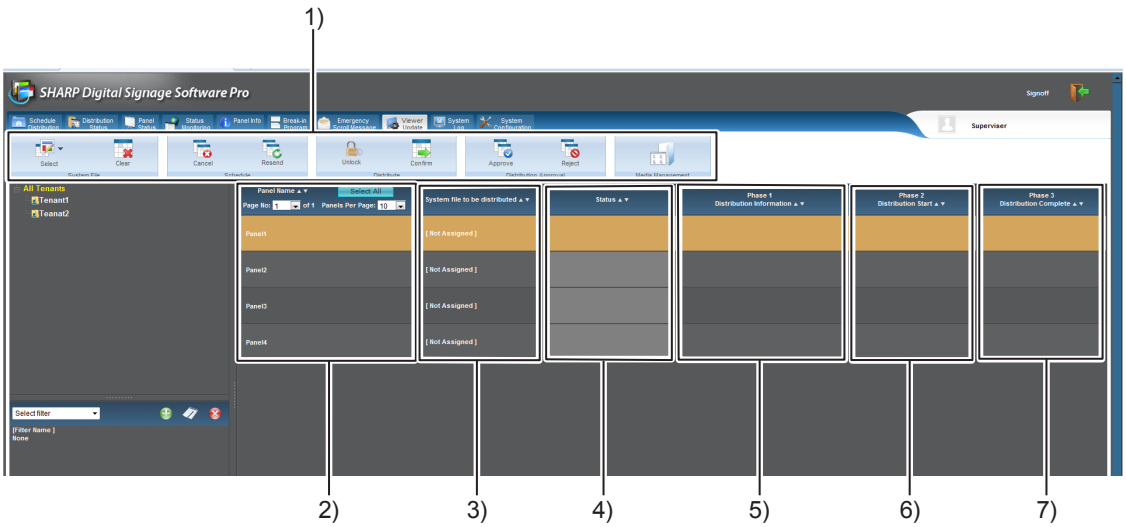
Viewer Update

Updating Viewer

This button lets you update the SHARP Digital Signage Software Viewer Version on the viewer PC and change settings of the viewer PC.

You can click ▲▼ in an item that shows ▲▼ in the header to resort in ascending or descending order.

*** Change the settings in Show / Hide Menu Tabs so that the "Viewer Update" tab is shown. (☞p.118)**
*** This is not to guarantee any future software update.**



1) Operation toolbar

Select	Assigns a system file (such as updaters or settings) to a panel (or the viewer PC that is connected to) for distribution. Select a panel to assign and click this icon. (☞p.157)
Clear	Reverts to the state before the system file was assigned. Select a panel to revert and click this icon.
Cancel	Stops uncompleted system file distribution and cancels the confirmation. Select a panel to stop distribution and click this icon.
Resend	Resend the system file for which a distribution error has occurred. Select a panel to resend and click this icon.
Unlock	Cancels the confirmation of the system file which was assigned to a panel (or the viewer PC that is assigned to) and confirmed. Select a panel to cancel the confirmation and click this icon.
Confirm	Confirms assignment of a system file and reserves distribution. Select a panel to confirm and click this icon. (☞p.158)
Approve (*)	Approve the system file.Only a user with approval authority can make approvals. Select the panel with the distribution that requires approval, and click this icon.
Reject (*)	Reject the system file.Only a user with approval authority can make approvals. If rejected, distribution will not take place.Select the panel with the distribution that requires approval, and click this icon.
Media Management	Displays the list of data uploaded to the management PC and deletes it. (☞p.144)

* This appears when the logged in user meets the following conditions.

1. Enable the distribution approval function using Pro Web Server Management Tool.
2. Select the "Viewer Update Approval" checkbox in Add New User Group (☞p.154).

3. The user who logged in is registered in a user group and has approval authority.

2) Panel Name

Displays the panel names.
Panels can be displayed selectively using the Group tree or the Filter bar.
Panel information in the following pages can be displayed by selecting a page number form the “Page No” list box.
You can select the number of panels to be displayed from 10, 20 or 30 in the “Panels Per Page” list box.

3) System file to be distributed

Displays the names of the system files (such as updaters and settings) assigned to panels.

4) Status

Shows the date and time of approval or rejection. If approval is pending, shows “Waiting for approval pending”.
Appears when the distribution approval function has been enabled using Pro Web Server Management Tool.

5) Distribution Information

Displays the confirmed dates and times of distribution.

6) Distribution Start

Displays the dates and times the distribution is started.

7) Distribution Complete

Displays the dates and times the distribution is completed.
If the distribution is not completed properly, the reason will be displayed.

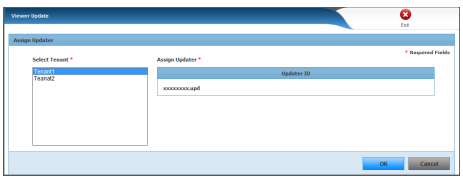
● Distributing an updater

This is for distributing an updater for the SHARP Digital Signage Software Viewer Version (PN-SV01) and performing update.

1. **Click the “Viewer Update” function tab.**
   If the “Viewer Update” tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)
2. **Select panels.**
   • Use the group tree to show only the panels registered in a group on the list.
   • Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Assign an updater to a panel.**
   1) Click a panel to assign an updater to.
      You can also select multiple panels.
   2) Align the mouse pointer with 

.
   3) Click [Assign Viewer Update].
      The [Viewer Update] window will appear.
   4) Select an updater and click [OK].
      The updater is now assigned.





• When you log in as a supervisor, “Select Tenant.
• Select a tenant.

4. **Confirm distribution**

   1) Click a panel to confirm distribution.

      You can also select multiple panels.

   2) Click 

.

   3) Click [OK].

      Distribution is now confirmed.

      Confirmed updaters are marked with the confirmed sign ( ).

When the viewer PC completes receiving the updater, the update starts.
Programs will not be displayed on the panel during the update is being processed. (The SHARP Digital Signage Software Program Viewer exits when the update starts.)
When the update is complete, the viewer PC is restarted and the program display is resumed.

● Distributing preset programs/default programs

1. **Click the "Viewer Update" function tab.**

   If the "Viewer Update" tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)

2. **Select panels.**

   • Use the group tree to show only the panels registered in a group on the list.

   • Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)

3. **Assign the program to a panel.**

   1) Click a panel to assign the program to.

      You can also select multiple panels.

   2) Align the mouse pointer with 

.

   3) Click [Assign Preset Program].

      The [Viewer Update] window will appears.

   • When you log in as a supervisor, "Select Tenant" appears.
   • Select a tenant.

   4) Select a preset program and preset number, and click [OK].

   The program is now assigned.

4. **Confirm distribution**

   1) Click a panel to confirm distribution.

      You can also select multiple panels.

   2) Click 

.

   3) Click [OK].

      Distribution is now confirmed.

      Confirmed preset programs are marked with the confirmed sign ( ).

• Preset programs are used with the key/mouse monitoring tool of the SHARP Digital Signage Software.
• The default program is used with the SHARP Digital Signage Software Client Scheduler for the "Program Viewer" option in the "Paint the program view area, if no program is played" setting.
• The programs currently displayed on the viewer PC cannot be distributed in this method. Suspend the program by "Pause Program" before distributing the program. After the distribution is complete, resume the program by "Restart Program". (☞p.148)

● Distributing contents in advance

This function lets you distribute contents to the viewer PC in advance.

1. **Click the "Viewer Update" function tab.**

   If the "Viewer Update" tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)

2. **Select panels.**

   • Use the group tree to show only the panels registered in a group on the list.

   • Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)

3. **Assign the contents to a panel.**

   1) Click a panel to assign the contents.

      You can also select multiple panels.

   2) Align the mouse pointer with 

.

   3) Click [Assign My Contents].

      The [Viewer Update] window will appears.

   • When you log in as a supervisor, "Select Tenant" appears.

   • Select a tenant.

   4) Select the contents and click [OK].

      The contents are now assigned.

4. **Confirm distribution**

   1) Click a panel to confirm distribution.

      You can also select multiple panels.

   2) Click 

.

   3) Click [OK].

      Distribution is now confirmed.

      Confirmed contents are marked with the confirmed sign ().

   • The contents are sent to the My Contents Folder in the viewer PC.
   If there is an existing file with the same filename in the folder, it will be overwritten.
   My Contents Folder is configured from the SHARP Digital Signage Software Client Scheduler.

   • The contents currently displayed on the viewer PC cannot be distributed in this method.
   Suspend the contents by "Pause Program" before distributing it. After the distribution is complete, resume the contents by "Restart Program". (☞p.148)

   • You can delete the distributed content from the viewer PC with the following procedure.
   - Distributing a text file containing a list of data to be deleted.
   Specify the relative path from the My Content folder with one line for each piece of data.
   The text file should be named "Delete.lst".

● Distributing system settings files (for service persons)

This function is to be used only by service persons. This is not to be used during normal operations.

1. **Click the "Viewer Update" function tab.**
   If the "Viewer Update" tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)
2. **Select panels.**
   • Use the group tree to show only the panels registered in a group on the list.
   • Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)
3. **Assign a system setting file to a panel.**
   1) Click a panel to assign a file to.
      You can also select multiple panels.
   2) Align the mouse pointer with 

.
   3) Click [Assign System Setting Files].
      The [Viewer Update] window will appears.

   • When you log in as a supervisor, "Select Tenant" appears.
   • Select a tenant.

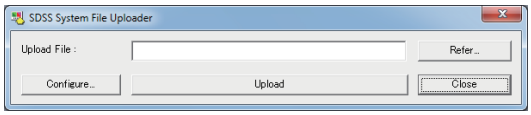
   4) Select a file and click [OK].
      The system setting file is now assigned.
4. **Confirm distribution**
   1) Click a panel to confirm distribution.
      You can also select multiple panels.
   2) Click 

.
   3) Click [OK].
      Distribution is now confirmed. Confirmed system setting files are marked with the confirmed sign ( ).

● Uploading a system file

Upload a system file to the management PC.

1. **From the Windows taskbar, click [Start], [All Programs], [SHARP Digital Signage Software], [Tools], and [System File Uploader].**
   "System File Uploader" will launch.



2. **Click [Refer] and select a system file in the dialog box.**
3. **Click [Upload].**
   The login information will appear.
4. **Enter the login information. (The operating procedure is the same as that on p.62)**
5. **Click [OK].**

Click [Configure] to change the login information.

● Distributing panel attributes

Distributes panel attributes (Panel Names, Group Names, Comments 1 to 3) to the viewer PCs.
The panel attributes are used as judgment criteria for playing conditional contents on the viewer PC.

1. **Click the "Viewer Update" function tab.**

   If the "Viewer Update" tab is not shown, change the settings in Show / Hide Menu Tabs. (☞p.118)

2. **Select panels.**

   • Use the group tree to show only the panels registered in a group on the list.

   • Specify a filter to show only the panels that satisfy the conditions on the list. (☞p.117)

3. **Assign the panel attributes to a panel.**

   1) Click a panel to assign the panel attributes.

      You can also select multiple panels.

   2) Align the mouse pointer with 

.

   3) Click [Assign Panel Attributes].
      The panel attributes are now assigned.

4. **Confirm distribution**

   1) Click a panel to confirm distribution.

      You can also select multiple panels.

   2) Click 

.

   3) Click [OK].
      Distribution is now confirmed. Confirmed panel attributes are marked with the confirmed sign ().



• The "Group" attribute is a string in which the group hierarchy is represented by the symbol "/".
E.g.: "/United States/New Jersey/Mahwah"

• Selecting [Assign Panel Attributes] from the menu creates a panel attribute file and distributes it to a panel automatically.

Viewer

Schedule Reception/Program Display

The following explains the settings of the viewer PC when schedules and programs are distributed from the management PC.

FTP Server

The FTP Server receives schedules and break-in programs from the management PC, and passes them to the Client Scheduler.

● Launching the FTP Server

The FTP Server launches automatically when Windows is launched.
To check if the FTP Server service is started or not, use the following method:

• If using Windows Vista

1. **Right-click on an empty area of the Taskbar, and from the menu that appears, click [Task Manager].**
   The [Windows Task Manager] dialog will appear.
2. **Click the [Processes] tab and confirm that "FTPD.exe" is displayed.**

• If using Windows 7

1. **Right-click on an empty area of the Taskbar, and from the menu that appears, click [Start Task Manager].**
   The [Windows Task Manager] dialog will appear.
2. **Click the [Processes] tab and confirm that "FTPD.exe" is displayed.**

• If using Windows 8/8.1/10

1. **Right-click on an empty area of the Taskbar, and from the menu that appears, click [Task Manager].**
   The [Task Manager] dialog will appear.
2. **Click the [Processes] tab and confirm that "SHARP Digital Signage Software / FTP Server" is displayed.**

Client Scheduler

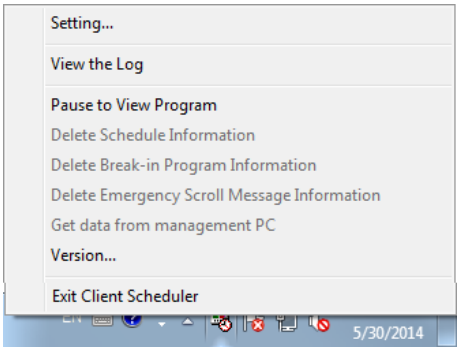
Client Scheduler is used on the viewer PC.
It loads the schedules and break-in programs that have been received by the FTP Server, and controls the Program Viewer to display specified programs at the specified time.

● Launching Client Scheduler

Client Scheduler is automatically launched by “Startup” when Windows launches.
When Client Scheduler launches, an icon ( ) is displayed (and resides permanently) in the Task Tray.

● Client Scheduler menu

The menu that appears when the icon in the Task Tray is right-clicked performs the following actions:



Setting

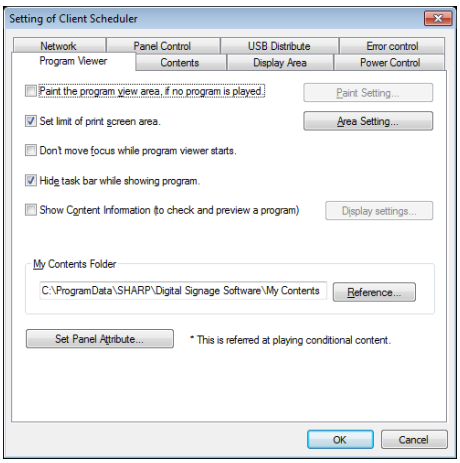
Clicking the [Setting] menu displays the [Setting of Client Scheduler] dialog box. The tabs in this dialog box contain the following settings:

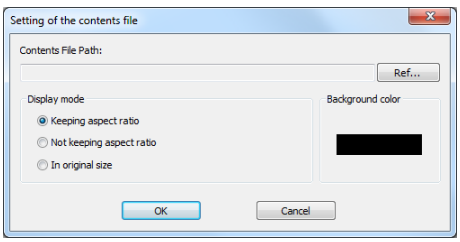
[Program Viewer] tab

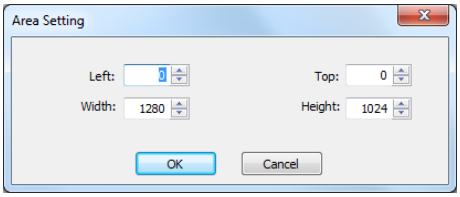
Contains detailed settings for the Program Viewer.

- You can view programs even when there are no programs being displayed by checking the “Paint the program view area, if no program is played.” check box. Set the display content by clicking [Paint Setting].
  - · “Dark blue” option button
    Displays the area defined by “Display Area” settings in dark blue.
  - · “Content file” option button
    Sets the content file path, display method, and background color from the [Setting of the contents file] dialog box that appears when [Setting] is clicked.

    1) Click [Ref], and select a content file. You may select any file format that is supported by this product.
    2) Select a “Display mode” from the “Keeping aspect ratio”, “Not keeping aspect ratio”, or “In original size” option buttons.
    3) Set the “Background color”.
  - · “Program” option button
    Click [Import], and select an existing program. You may select programs that have been exported with Program Editor.
  - · The area set under the [Display Area] tab will be the display area (except when a program is specified).



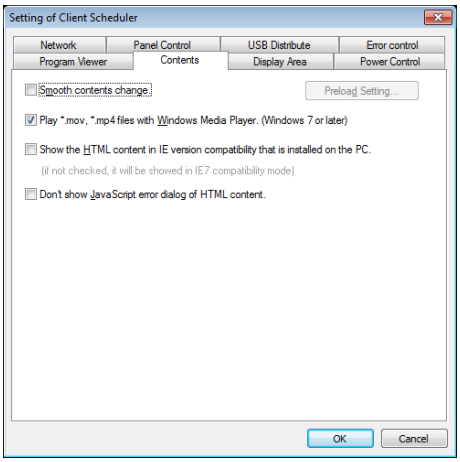




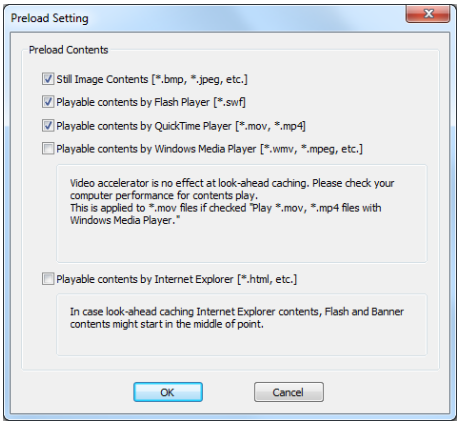
- “Set limit of print screen area” check box
  When you are outputting multiple screens on a viewer PC, the Screen Capture function captures the entire desktop. Check this box to capture just a part of the screen output.
  Click [Area Setting] and define the area you want to capture.
- “Don’t move focus while program viewer starts” check box
  This box is usually left unchecked.
  Check this box if you do not want the Program Viewer focus to move when you launch the Program Viewer.
- “Hide task bar while showing program” check box
  When this check box is checked, the task bar is hidden when Program Viewer is launched and it is re-displayed when Program Viewer is closed.
- “Show Content Information (to check and preview a program)” check box
  Check this checkbox to show content information (display coordinates, playing time, etc.) while a program is playing. Check this box 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 at the play time.
- “My Contents folder”: Enter the path of the folder in which contents to be distributed in advance are to be saved.
  The initial default values are:
  · My Contents folder: C:\ProgramData\SHARP\Digital Signage Software/My Contents
- “Set Panel Attribute”
  You can set Viewer PC panel attributes and “Panel name,” “Group” and “Comment.”
  This setting is for playing different content in each panel during conditional content playback.

[Contents] tab

Contains detailed settings for the content display.



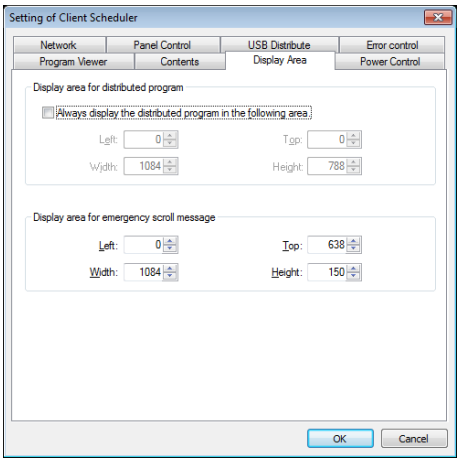
- “Smooth contents change” check box
  Check this check box to switch between contents smoothly by preparing the playback of the next content before the end of the current content. Also check this check box when it is necessary to synchronize the content display between frames.
  Clicking [Preload Setting] allows you to set the content that is to be read in advance.



- Making the switching of contents smooth will increase the load on the CPU and the memory use amount. It is recommended that tests be conducted by actually displaying programs before operation.
- When performing advanced reading of a content that can be played with Windows Media Player, the video accelerator is disabled. Check that your PC has enough performance to display contents without the video accelerator.
- If a content that can be played with Internet Explorer is read in advance, Flash contents and banners embedded in the content may be started from the middle.
- Reading in advance processing is not performed on the SDSS web browser.

- "Play *.mov, *.mp4 files with Windows Media Player. (Windows 7 or later)" check box
  This checkbox can be checked when using Windows 7 or later. Check this box to play files with extension (.mov/.mp4) on Windows Media Player.
- "Show the HTML content in IE version compatibility that is installed on the PC" check box
  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" check box
  Check this box to prevent error dialog boxes from being displayed if a JavaScript error occurs when HTML content is displayed.

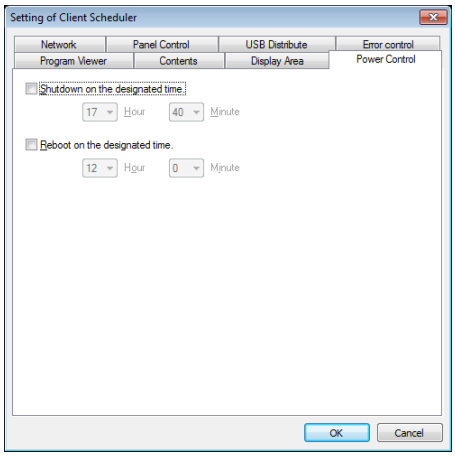
[Display Area] tab



- "Display area for distributed program"
  When the display area of the program and the resolution of the panel are different, this tab allows you to display the program regardless of the display area set for the program. Check the "Always display the distributed program in the following area" check box and set the area in which the program is to be displayed.
- "Display area for emergency scroll message"
  Set the display area for emergency scroll messages.

[Power Control] tab

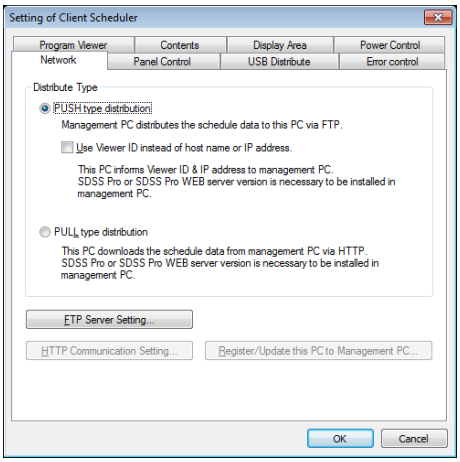
Manages power on viewer PCs currently being configured.



- "Shutdown on the designated time" check box
  Check this box to turn off the viewer PC at the specified time.
- "Reboot on the designated time" check box
  Check this box to restart the viewer PC at the specified time.

[Network] tab

Set the method used to acquire data from the network.



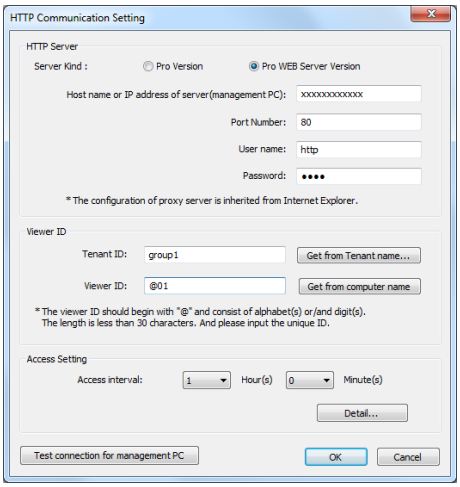
- "PUSH type distribution" radio button
  The data distributed at the timing of when the manual transmission procedure is completed on the management PC is recieved using FTP protocols.
- "Use Viewer ID instead of host name or IP address" check box
  The IP address is sent to the management PC by the viewer PC using HTTP protocols. Check this box if the IP address of the viewer PC is not a fixed IP address. Click [Launch HTTP Sever now] on the [HTTP Server] tab in the Pro WEB Server Management Tool window to launch the HTTP Server.
- "PULL type distribution" radio button
  Each viewer PC retrieves distribution data from the management PC at regular intervals using the HTTP protocol.
- [FTP Server Setting]
  Sets the FTP Server.
  - "User name": Must be kept within 30 alphanumeric characters.
  - "Password": Must be kept within 30 alphanumeric characters.
  - "Port Number": Enter a value between 1 and 65535.

  The initial default values are:
  - User name: ftp
  - Password: ftp
  - Port Number: 21



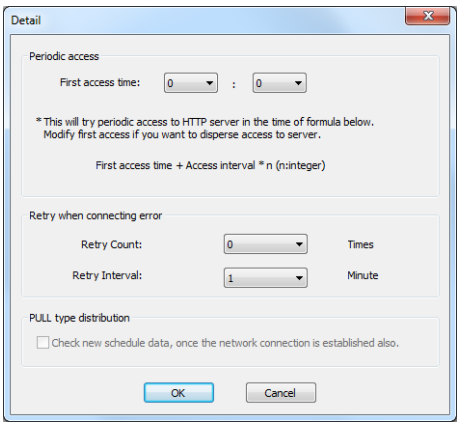
- If you have installed the Viewer Version, a unique FTP Server will be installed, and started as a service. The default TCP/IP port numbers are 20 and 21. If this port number is already used by another service, change the port number. The FTP settings of the panels registered with "Panel Management" on the management PC must use the same port number.

- [HTTP Communication Setting]
  - “Pro Version” radio button
    Sets the HTTP server to ”Pro Version”.
    * This is not used during normal operations.
  - “Pro WEB Server Version” radio button
    Sets the HTTP server to ”Pro WEB Server Version”.
  - “Host name or IP address of server (managementPC)”:
    Set the host name or IP address of the management PC.
  - “Port Number”: Enter a value between 1 and 65535.
    Set the port number to be used by the HTTP protocols. If the management PC or network resides inside a firewall, configure the settings to enable this port number to be used for communications.
  - “User name”: Must be kept within 30 alphanumeric characters.
  - “Password”: Must be kept within 30 alphanumeric characters.



- Enter the same user name and password as set in “Restriction on HTTP access from viewer PCs” on the “Tenants” tab in Pro Web Server Management Tool on the management PC. Refer to p.31.
- Enter the same port number as set on the “HTTP Server” tab in Pro Web Server Management Tool on the management PC.Refer to p.32.
- If proxy server settings are necessary, configure the proxy server settings in the Connections screen of Internet Explorer. The connection will be established based on Internet Explorer settings.

- Tenant ID
  Sets a tenant ID for the viewer PC.
  The tenant ID is only valid when selecting the “Pro WEB Server Version” radio button.
- Viewer ID: Sets an operation Viewer ID for the viewer PC.
- Access interval: Set the length of the time interval for checking for distributed data.
- [Detail]
  Set the length of the interval for periodic access.
  - First access time: Set the initial time for accessing the HTTP Server. This can be used to disperse the timing of access from multiple viewer PCs.
  - Retry Count: Set the number of retries to attempt reconnection when a communications error occurs.
  - Retry Interval: Set the length of the time interval for attempting reconnection when a communications error occurs.
  - ”Check new schedule data, once the network connection is established also” check box
    Check this box to receive data not only when data is transmitted from the management PC during access to the management PC at regular intervals but also to receive data in the conditions listed below.
    •When launching the Client Scheduler

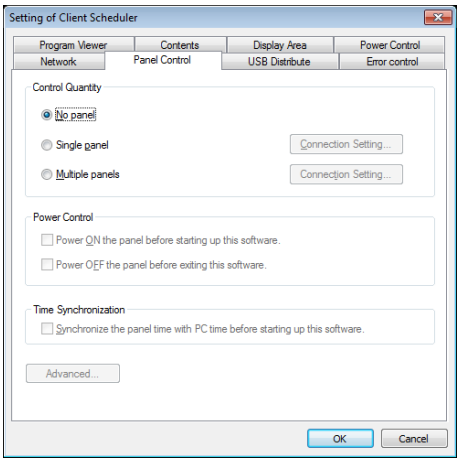


- When changing the network settings
- When a network environment change has been detected (When the IP address is changed, an LAN is connected, etc.)

• [Register/Update this PC to Management PC]
Click the button to send the viewer PC information to the management PC. You can easily register the viewer PC information to the management PC.

To use the above functions, the following conditions are required:
• SHARP Digital Signage Software Pro must be installed on the management PC.
• HTTP Server must be running on the management PC.
* When a viewer ID is not set in PUSH type distribution, the above settings are not needed. In PULL type distribution, if the access of the administrative PC is concentrated in a short period of time, it may not be possible to correctly complete all the processing due to the performance of the administrative PC and the network bandwidth. Adjust the settings of the viewer PCs to disperse the access and perform sufficient testing in advance.

[Panel Control] tab
Select the panel control method (RS-232C/LAN/USB).



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.

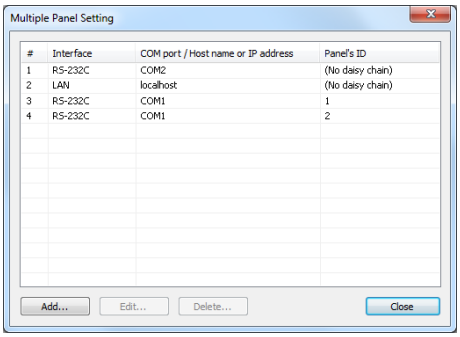
• “No panel” option button
Panels will not be controlled.
• “Single panel” option button
Click [Connection Setting] and select the panel control method (RS-232C/LAN/USB).

• [Connection Setting]
Use the “Connecting interface” option buttons to select “RS-232C”, “LAN”, or “USB”.

Setting		Description	Default
RS-232C	COM port	COM1~COM256	COM1
	Baud Rate	9600, 19200, 38400	9600
LAN	Host name or IP address	Enter the host name or the IP address of the panel to be controlled within 32 alphanumeric characters.	-
	Data port	Enter a data port number between 1025 and 65535 for the panels to be controlled.	10008
	User name	Enter the username, if one exists for the panels to be controlled, in 8 characters or less.	-
	Password	Enter the password, if one exists for the panels to be controlled, in 8 characters or less.	-
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. Perform operation with the power of the panel turned on. To control the panel with the LB-1085, be sure to check the connection once. The panel cannot be controlled unless a “Test connection” is performed.

- “Multiple Panels” option button
  You can select and control panels from up to 25 panels.
  - [Connection Setting]
    A list of connected panels appears when you click [Connection Setting].
    Add panels to the list the first time you use this function by clicking [Add].

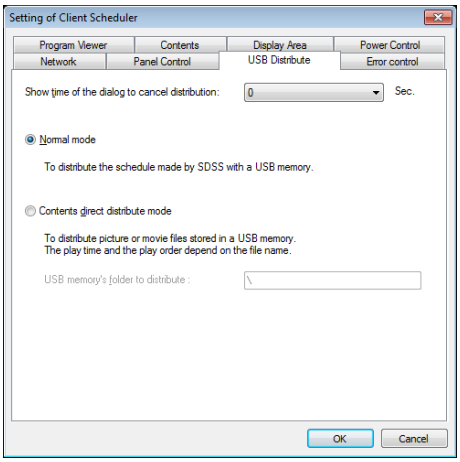


Setting		Description	Default
RS-232C	COM port	COM1~COM256	COM1
	Baud Rate	9600, 19200, 38400	9600
LAN	Host name or IP address	Enter the host name or the IP address of the panel to be controlled within 32 alphanumeric characters.	-
	Data port	Enter a data port number between 1025 and 65535 for the panels to be controlled.	10008
	User name	Enter the username, if one exists for the panels to be controlled, in 8 characters or less.	-
	Password	Enter the password, if one exists for the panels to be controlled, in 8 characters or less.	-
USB		-	-
Panel’s ID		Select IDs in order to identify panels when PCs are connected in a daisy chain. (No daisy chain), 1-255	(No daisy chain)

- “Power ON the panel before starting up this software.” check box
  When this check box is checked, the power of the panel is turned on when the Client Scheduler is started.
- “Power OFF the panel before exiting this software.” check box
  When this check box is checked, the power of the panel is turned off when the Client Scheduler is terminated.
- “Synchronize the panel time with PC time before starting up this software.” check box
  When this check box is checked, the clock of the panel is set to the time of the viewer PC when the Client Scheduler is launched.

- [Advanced]
  - “If a panel is not connected at startup, subsequent communication is not performed.” check box
    When this checkbox is checked, no further communication will be performed if a connection cannot be established with the panel at startup.
  - “Allow that the panel which is connected to LAN is the beginning of daisy-chained.” check box
    When panels are connected by RS-232C in a daisy chain connection, check this checkbox only if the first panel only is connected by LAN. This will enable the following daisy chain connected panels to be controlled by specifying an ID.

[USB Distribute] tab



Sets the details of USB distribution.

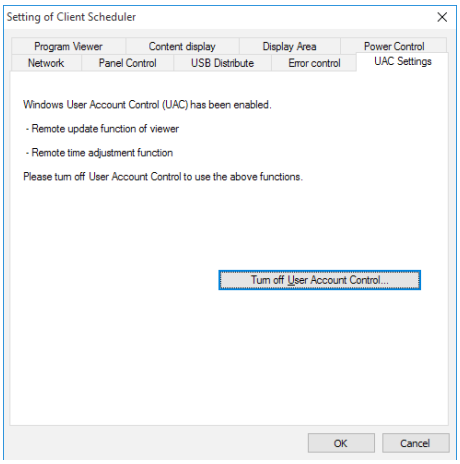
- “Show time of the dialog to cancel distribution”
  If you set a time longer than one second, the distribution cancel dialog box is displayed when USB memory or another external storage device is inserted.
  If you click [Cancel] in the distribution cancel dialog box, distribution is canceled. Remove USB memory or another external storage device using the safe removal icon ( ) in the Task Tray.
  If you click [Distribution Now] in the distribution cancel dialog box, distribution is resumed.
- “Normal mode” option button
  This is not used during normal operations.
- “Contents direct distribute mode” option button
  Select this button to perform USB distribution with “Contents direct distribute mode” (☞p.173).
- “USB memory’s folder to distribute”
  If you perform distribution with “Contents direct distribute mode,” enter the path of the folder of the USB memory containing the content.

[Error control] tab

For service technicians only. Not used for normal operation.

[UAC Settings] tab

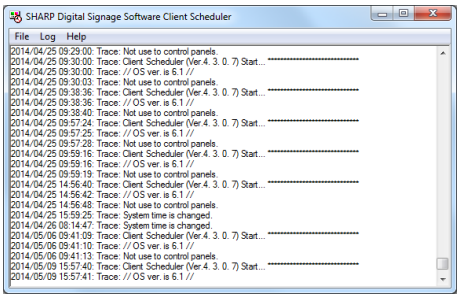
On Windows 8/8.1/10, you can turn off user account control. Click [Turn off User Account Control], and then follow the on-screen instructions. (☞p.14)



- Note that when this setting is selected, the Windows Store application will not run.
- The settings on the [UAC Settings] tab can only be configured in SHARP Digital Signage Software Viewer Version (PN-SV01).

Displaying the log

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

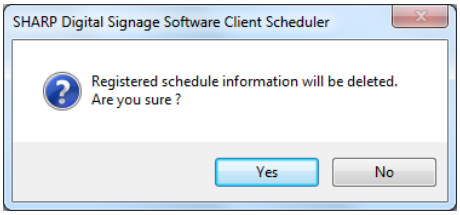


Pausing a program

Clicking the [Pause to View Program] menu will pause the currently displayed program. When the program is paused a check mark will be displayed to the left of the menu. Clicking [Pause to View Program] again will restart program display.

Deleting Schedule Information

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



Deleting Break-in Program Information

Click the [Delete Break-in Program Information] menu. A confirmation message will appear. Click [Yes] to delete all registered break-in program information currently saved in Client Scheduler.

Delete Emergency Scroll Message Information

Click the [Delete Emergency Scroll Message Information] menu. A confirmation message will appear. Click [Yes] to delete all registered emergency scroll message information currently saved in Client Scheduler.

Get data from management PC

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

Version information

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

You may be asked to provide version information in the event that you need to contact SHARP regarding a problem with SHARP Digital Signage Software.

If you input a temporary license code when installing, you will only be able to use the software for a two-month trial period. Register your license code before the end of the trial period.

Exiting Client Scheduler

To exit Client Scheduler, click the [Exit Client Scheduler] menu.
Do not exit Client Scheduler unnecessarily.

Distributing content directly by using USB memory or another external storage device

The content can be displayed simply by inserting USB memory or another external storage device containing copied content into the viewer PC.

- Do not remove the USB memory or another external storage device from the PC before transfer is completed.
- Depending on the external storage device such as USB memory, distribution cannot be performed successfully.

1. Set the viewer PC to "Contents direct distribute mode."

1) Click the icon ( ) in the Task Tray in the viewer PC and click the [Setting] menu.
2) Click the [USB Distribute] tab and select the "Contents direct distribute mode" option button (☞p.171).
3) Set "USB memory's folder to distribute" as required.
4) Click [OK].

2. Copy the content to be distributed to USB memory or another external storage device.

Copy the content to the folder set in Step 1-(3).
The contents placed in folders lower than the set folder are not displayed.

- In the Contents direct distribute mode, HTML files cannot be displayed.
- Contents are executed in ascending order of the file names.
  By attaching a serial number such as "001," "002," …, at the head of each file name, the order of play can be set.
- The play time of content is usually 10 seconds. For video, it is the time until play is completed.
  By appending "_[numerical value]m" (minutes) or "_[numerical value]s" (seconds) to the file name of the content, the play time of the content can be set (24 hours maximum).
  [Example] If image_30s.jpg is specified, the content is displayed for 30 seconds.
- By placing Telop.txt (text file) in the specified folder, its contents can be displayed as scroll messages.

3. **Remove the external storage device such as USB memory from the PC.**
   Remove it from the safe removal icon ( ) in the Task Tray.

4. **Insert the external storage device such as USB memory into the viewer PC.**
   The content will be distributed automatically. After distribution is complete, the external storage device such as USB memory stops automatically. Check the message and remove it.

Program Viewer

Program Viewer is used on the viewer PC.
It displays programs based on schedules and break-in programs loaded by Client Scheduler.

- To pause a program, right-click the Client Scheduler icon, and from the menu that appears, click [Pause to View Program].
- To change advanced settings for Program Viewer, right-click the Client Scheduler icon and from the menu that appears, click [Setting]. Settings can be adjusted from the [Setting of Client Scheduler] dialog box that appears. (☞p.164)
- The old schedules are no longer required after the new schedules have been sent. Unnecessary schedules and their associated content will be automatically deleted the next time Client Scheduler starts.

Key/Mouse Monitoring

This section explains the function of switching displayed programs using keyboard and mouse operations.

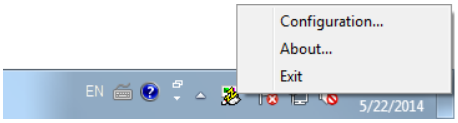
Key/Mouse Monitoring Tool Window

● Launching the Key/Mouse Monitoring Tool window

1. **From the Windows Taskbar, click [Start], [All Programs], [SHARP Digital Signage Software], [Tools] and then [Key-Mouse Watcher].**
   The key/mouse monitoring tool launches and an icon ( ) is displayed (and remains permanently) in the Task Tray.

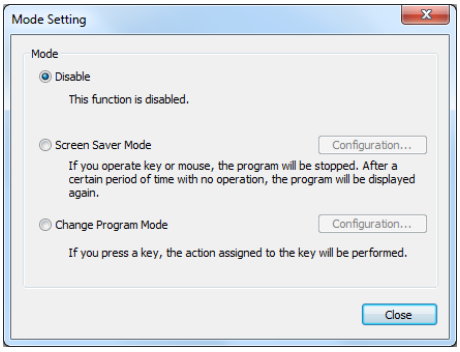
● Key/Mouse Monitoring Tool menu

From the menu that appears when the icon in the Task Tray is right-clicked, the following operations can be performed.

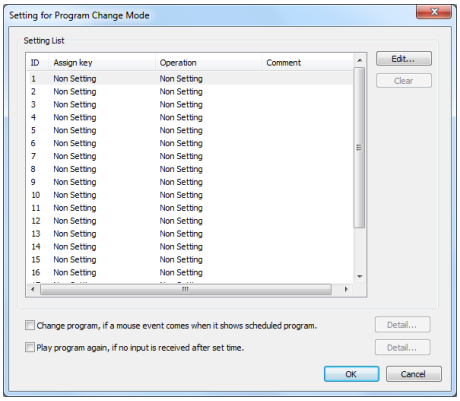


Configuration

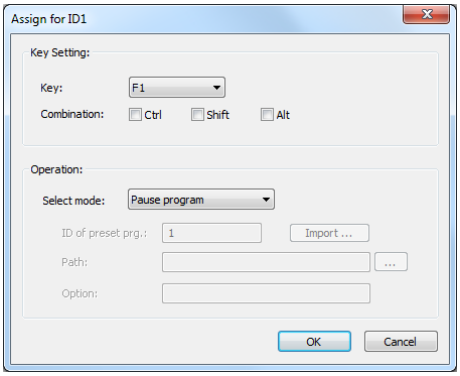
Set the operation mode of the Key/Mouse Monitoring Tool.



- "Disable" option button
  Disables the operation of the Key/Mouse Monitoring Tool.
- "Screen Saver Mode" option button
  If a keyboard or mouse operation is performed, display of the program is stopped temporarily.
  If a keyboard or mouse operation is not performed for a certain period of time, the distributed program is displayed.
  By clicking [Configuration], the following setting can be performed.
  The period of time before the program display is resumed
  The program display is resumed by pressing the [Ctrl], [Alt], and [V] keys.
- "Change Program Mode" option button
  By assigning an action to a combination of keys, the action can be performed by key operation.
  Up to 20 actions can be assigned.
  Set the key assignment and action by clicking [Configuration].



1) Click the option to be edited and click [Edit].
A dialog box will appear.



2) Set the options.

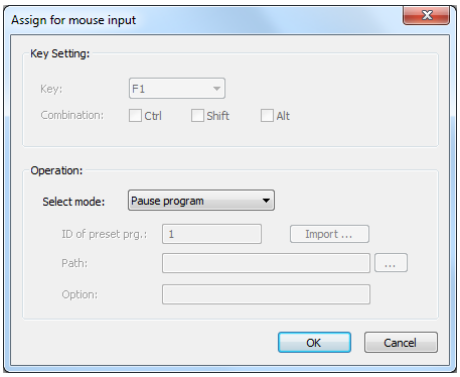
- "Key Setting"
  Set the combination of keys to be registered.
- "Operation"
  Set the action of the registered key.
- If you select "View preset program," specify the ID number of the preset program to be displayed in "ID of preset prg.".
  If the preset program has not been imported, specify the ID number and import the program.
  1) Enter a 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 select "Run application," enter the path of the application to be executed in "Path." It is also possible to enter "Option."

3) Click [OK].

- If the same key is assigned to different IDs, the assigned action is performed in ascending order of IDs.
- If the [Ctrl] key is pressed when PowerPoint Viewer is launched, PowerPoint content is not displayed in the correct position. Take care when displaying a program containing PowerPoint content.

- "Change program, if a mouse event comes when it shows scheduled program." check box
  When this check box is checked, actions are assigned to mouse operations so that actions can be performed by operating the mouse.

1) Click [Detail].
"Assign for mouse input" will appear.



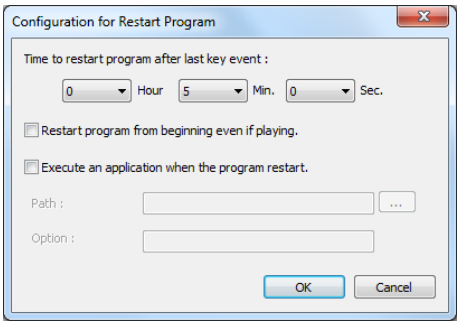
2) Set the options.

- "Operation"
  Set the action of the registered mouse operation.
- If you select "View preset program," specify the ID number of the preset program to be displayed 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].
- If you select "Run application," enter the path of the application to be executed in "Path." It is also possible to enter "Option."

3) Click [OK].

- "Program" refers to a scheduled program or a break-in program. When a preset program is being displayed, the assigned action cannot be performed.

• “Play program again, if no input is received after set time” check box
When this check box is checked, the normal program is resumed if the key or mouse is not operated for a certain period of time.



1) Click [Detail].
The “Configuration for Restart Program” dialog box will appear.

2) Set the options.
- “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.” check box
  Check this box to play from the beginning of the program when no time is designated or when there is no key or mouse input. The program will be played from the beginning even when the program is played according to schedule.
- “Execute an application when the program restart.” check box
  If you check this check box, enter the path of the application to be executed in “Path.” It is also possible to enter “Option.”

3) Click [OK].

About

Displays the version of the Key/Mouse Monitoring Tool.

Exit

Exits the Key/Mouse Monitoring Tool.

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