



USER MANUAL

SuperSign Control

CONTENTS

SUPERSIGN CONTROL.....3

- SuperSign Control Components..... 3
- System Requirements 3
 - SuperSign Control Manager

SUPERSIGN CONTROL INSTALLATION AND COMPONENTS4

- SW Installation..... 4
 - SuperSign Control

SUPERSIGN CONTROL FUNCTION DETAILS6

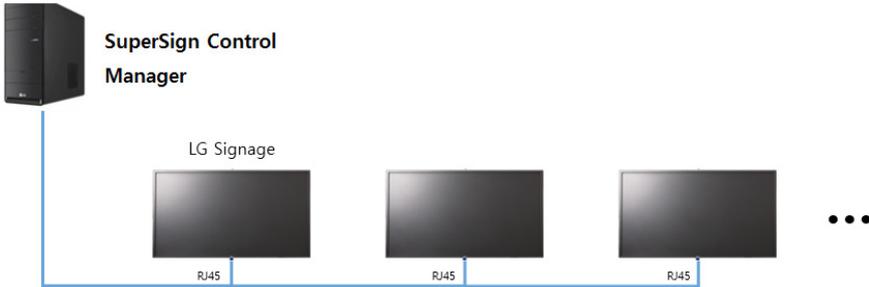
- Dashboard..... 6
 - Device Search
 - Filter

- Signage Popup..... 9
 - Information
 - Picture
 - Time
 - Schedule
 - Option
 - Support
 - Command
 - Control History
 - Multi Control
- Multi Signage Popup..... 20
 - Information
 - Picture
 - Time
 - Schedule
 - Option
 - Support
 - Command
 - Control History
- Setting..... 31
 - About
 - Config
 - Information on Used Port

SUPERSIGN CONTROL

The SuperSign Control software is a software to manage and control a Signage product of LG Electronics. A user can control and manage Signage products connected through the SuperSign Control.

SuperSign Control Components



System Requirements

SuperSign Control Manager

Hardware

RAM: 4 GB (DDR3) or higher

CPU: 2.40 GHz, 4-core or higher

Network: 100 Mbps or higher

Software

Node.js v8.9.4

Redis v3.0.504

Microsoft Visual C++ 2017 Redistributable (x86)

System OS

Windows 7 32/64bit Platform

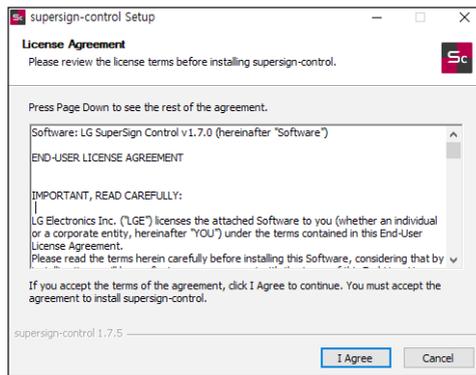
Windows 10 32/64bit Platform

SUPERSIGN CONTROL INSTALLATION AND COMPONENTS

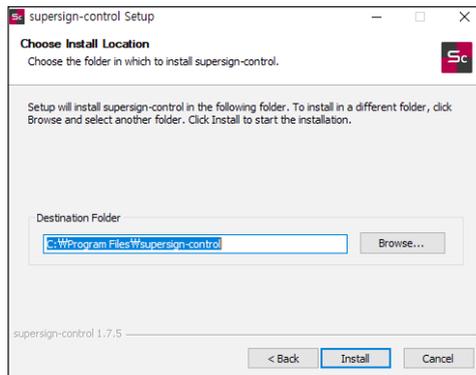
SW Installation

SuperSign Control

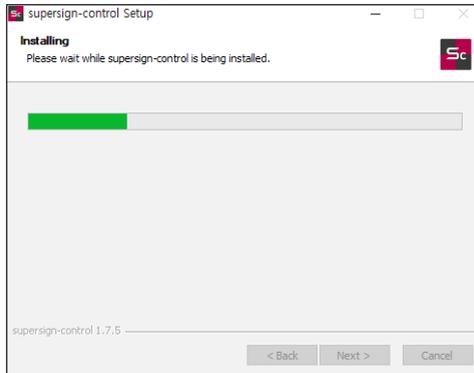
- 1 Run the installation file (supersign-control Setup [x.x.x].exe) of the SuperSign Control+ that has been downloaded.
- 2 Accept the Terms and Conditions and click **I Agree**. When you click **I Agree**, the program installation proceeds.



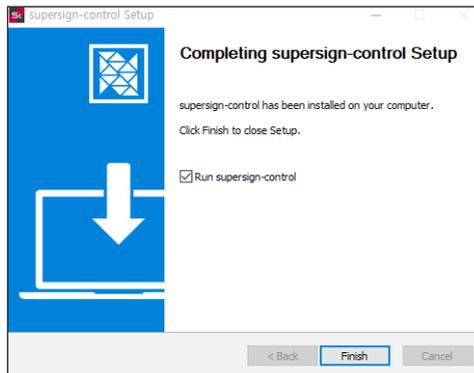
- 3 When a window that asks the location to install the program appears, select the desired folder for installation or check the default folder, and click **Install**.



- 4 The installation of the SuperSign Control software proceeds. Wait for a moment until the installation is completed.



- 5 When the installation is completed, select a checkbox asking whether to immediately run the SuperSign Control and click **Finish**.



SUPERSIGN CONTROL FUNCTION DETAILS

Dashboard

The screenshot displays the LG SuperSign Control interface. At the top, there is a header with the LG SuperSign Control logo and a settings icon (7). Below the header, there are three main action buttons: 'SELECT ALL' (1), 'DEVICE SEARCH' (2), and 'Filter' (3). The main content area (4) contains a table with the following columns: Name, IP Address, Model Name, Platform, Serial Number, S/W Version, and Power. A single device is listed: LG SIGNAGE, IP Address 192.168.0.24, Model Name 55SM5C, Platform webOS 3.0, Serial Number SKJY1107QASW, S/W Version 04.73.60, and Power ON (5). A 'CONTROL' button (6) is located to the right of the device's power status. At the bottom of the interface, there is a 'Rows per page' dropdown (8) set to 15 and a status indicator (9) showing '0 Selected / Total 1 Device(s)'. Navigation arrows are also present at the bottom center.

No.	Item	Description
1	Select All	You can select all Signage products on the list.
2	Device Search	When clicked, the Signage Search window appears.
3	Filter	When clicked, the Filter window appears.
4	Device List	Information about a Signage product is displayed as in buttons including Name, IP Address, Model Name, Platform, Serial Number, S/W Ver, Power and Control.
5	Power	You can view the power status of the Signage product and control ON/OFF.
6	Control	When clicked, the Signage control window will appear.
7	Settings	When clicked, the Settings window appears.
8	Rows per page	You can set the number of devices viewed per page to be 10, 15, 30, or 50.
9	Number of Selected Signage Products	Show the number of the currently selected Signage products.

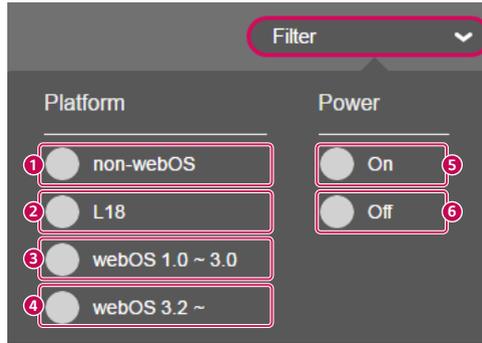
Device Search

Search if there is a connected Signage product by the set type and time.

No.	Item	Description
①	Scan Type	Search a connected network for the time set in the Time Out window when Automatic is selected. The IP Address Input window is activated, and the program searches the entered IP address scope for the set time when Manual is selected.
②	Time Out	Set the Signage search time by seconds. The time can be set up to 60 seconds.
③	IP Address	This field is activated when Manual is selected and sets an IP address scope to search.
④	Signage List	The list of the found Signage products is displayed, and you can add a selected Signage product.

Filter

You can set a filter in accordance with a platform or power status. Devices are shown on the device list in the dashboard in accordance with filtering conditions.



No.	Item	Description
1	non-webOS	Show the Signage products with the non-webOS platform.
2	L18	Show the Signage products with the L18 platform.
3	webOS 1.0-3.0	Show the Signage products with the platform of webOS 1.0-3.0.
4	webOS 3.2	Show the Signage products with the webOS 3.2 platform.
5	On	Show the Signage products with the power on.
6	Off	Show the Signage products with the power off.

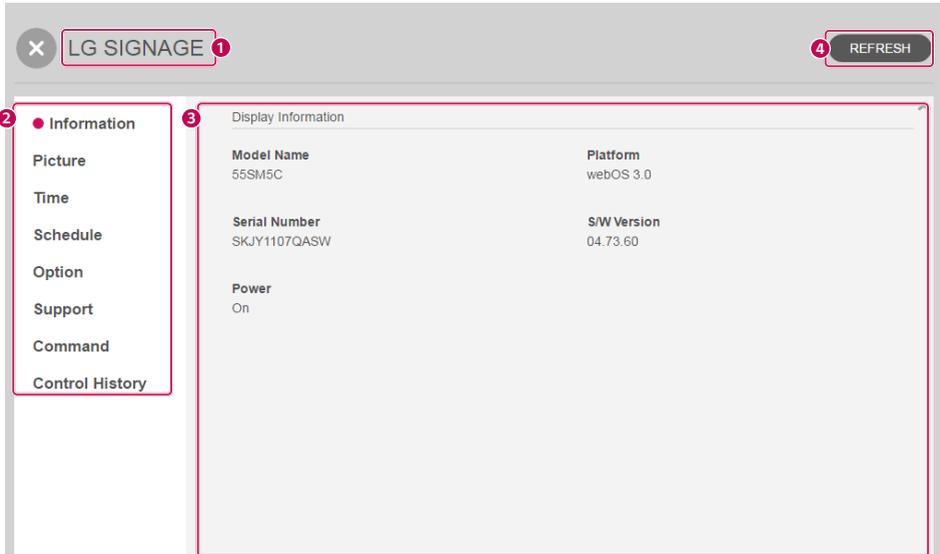
! NOTE

- If two filters are set at the same time, the filter set earlier is first applied, and then the filter set later is applied.

Signage Popup

When you click the Control button in the Signage List, the relevant Signage information and Settings menu appear in a popup.

Information



No.	Description
1	Show the Signage Name, and you can change the name by clicking it.
2	Tabs to call the menu - Information, Picture, Time, Schedule, Option, Support, Command and Control History
3	Information on the display connected to the Signage product is shown. - Model Name, Platform, Serial Number, S/W Version and Power
4	Click Refresh to update the current value.

NOTE

- The name may not be changed according to the model platform and the name change is activated only when the model supports the name change.

Picture

X LG SIGNAGE 5 REFRESH

- Information
- Picture**
- Time
- Schedule
- Option
- Support
- Command
- Control History

1 Basic

Picture Mode: Mall/QSR (Vivid) 2 APPLY TO ALL INPUT

Input: HDMI1 (PC) Aspect Ratio: Original (Set by Program)

Brightness Control: Off

3 Advanced

Backlight: 0

Backlight(min): Unsupported Backlight(max): Unsupported

Contrast: 100

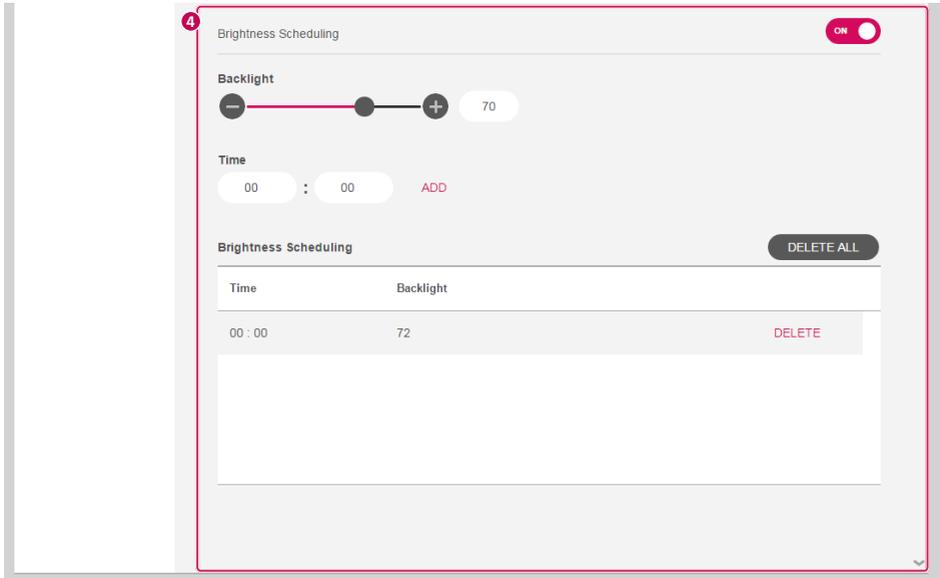
Brightness: 50

Sharpness: 10

Color: 70

Tint: 0

Color Temperature: W50



No.	Description
1	You can set the basic settings. Picture Mode, Input, Aspect Ratio and Brightness Control
2	You can apply the changed value to all input.
3	You can set the advanced settings. - Backlight, Contrast, Brightness, Sharpness, Color, Tint and Color Temperature
4	You can add the backlight value and time to the list by setting Brightness Scheduling on and setting and adding the backlight value and time. The backlight value will be changed to the set value in accordance with the time shown on the list.
5	Click Refresh to update the current value.

! NOTE

- If an item is not supported by the display, the status of the item will be indicated as **Not Supported**.
- When you enable Brightness Scheduling, the Backlight settings will be disabled.

Time

The screenshot shows the 'Time' configuration screen for an LG SIGNAGE device. On the left, a sidebar lists various settings categories, with 'Time' selected. The main area is titled 'LG SIGNAGE' and includes a 'REFRESH' button. The settings are organized into three numbered sections:

- Section 1 (Basic):** Contains a 'Date' field set to '2018/05/24' and a 'Time' field set to '14 : 02 : 29'. Below these fields are two buttons: 'SET' and 'SETTING BY PC TIME'.
- Section 2 (Daylight Saving):** Features a 'Daylight Saving' toggle switch currently set to 'ON'. Below it are two groups of settings: 'Start Time' and 'End Time'. Each group includes a 'Month' dropdown (set to 'Jan.'), a 'Week' dropdown (set to '1st'), a 'WeekDay' dropdown (set to 'Mon.'), and an 'Hour' dropdown (set to '0'). A 'SET' button is located at the bottom of this section.
- Section 3:** A 'REFRESH' button in the top right corner of the main content area.

No.	Description
1	You can manually enter and apply the date and time. Click Setting by pc time to automatically apply the time of the PC.
2	Turn Daylight Saving on, set Start Time and End Time, and click Apply to set Daylight Saving.
3	Click Refresh to update the current value.

! NOTE

- If time is not set in the display, the items of the date and time will be shown empty.
- If an item is not supported by the display, the status of the item will be indicated as **Not Supported**.

Schedule

No.	Description
1	When you set Day , On Time and Off Time , and click Add to add the relevant schedule.
2	The list of the schedule saved in the display is shown. Click Delete All to delete all schedules. Click Delete of each schedule to delete the selected schedule.
3	Click Refresh to update the current value.

! NOTE

- If an item is not supported by the display, the status of the item will be indicated as **Not Supported**.
- The screen may look different by display platform. You can refer to the page of each multi control platform. (See page 24.)

Option

The screenshot shows the LG SIGNAGE control interface. On the left is a sidebar menu with options: Information, Picture, Time, Schedule, Option (selected), Support, Command, and Control History. The main area is titled 'LG SIGNAGE' and has a 'REFRESH' button in the top right. Two sections are highlighted with red boxes and numbered 1 and 2. Section 1, 'Signage Option', contains: ISM Method (Normal/Off), DPM Select (Off), Power On Delay (0 sec), Default Setting (Picture) with an 'APPLY' button, OSD Lock (OFF), Remote/Key Lock (OFF), and Wake On LAN (OFF). Section 2, 'Audio Setting', contains: Speaker (On), Sound Mode (Standard), Audio out (Unsupported), Sound Balance (L44), Volume (3), and Volume Mute (OFF).

No.	Description
1	You can adjust settings related to Signage options. - ISM Method, DPM Select, Power On Delay, Default Setting, OSD Lock, Remote/Key Lock and Wake On LAN
2	You can adjust settings related to Audio. - Speaker, Sound Mode, Audio out, Sound Balance, Volume and Volume Mute
3	Click Refresh to update the current value.

! NOTE

- If an item is not supported by the display, the status of the item will be indicated as **Not Supported**.

Support

X
LG SIGNAGE

Information

Picture

Time

Schedule

Option

● Support

Command

Control History

Upgrade
2 UPDATE

Select F/W File

1 FILE UPLOAD

No.	Description
1	Click FILE UPLOAD to select the FW file to update the selected Signage product.
2	Click UPDATE to update the selected FW file to the Signage product.

! NOTE

- If an item is not supported by the display, the **UPDATE** button will be inactivated.

Command

The screenshot shows the LG SIGNAGE interface with a sidebar on the left containing menu items: Information, Picture, Time, Schedule, Option, Support, Command (selected), and Control History. The main area is divided into two sections: 'Command' and 'Response'. The 'Command' section is highlighted with a red box and a red circle containing the number 1. It contains the text 'ka 01 ff' and a 'SEND' button. The 'Response' section is highlighted with a red box and a red circle containing the number 2. It is currently empty.

No.	Description
1	Enter a command to be transmitted to the Signage product, and click Send . (e.g., ka 01 ff)
2	A response from the Signage product to the transmitted command will appear.

! NOTE

- If a command not supported by a connected Signage product is transmitted through an agent, the connection with the display may be terminated temporarily.
- If a command to set a SetID of "00" to the Signage product connected through the Agent is transmitted, the response value will be indicated as **NONE**.

Control History

✕ LG SIGNAGE
3 REFRESH

Information

Picture

Time

Schedule

Option

Support

Command

● **Control History**

1 Control History
DELETE ALL

Signage Name	Model Name	Serial Number	Control Item	Result(Code)	Occurred time
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(05)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(02)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(E1)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(E1)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule On Timer	OK(05)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Input	OK(60)	May 24, 2018 2:03 PM

2 Rows per page

10

⏪
⏩
1
2
3
⏭

Total : 28 History

No.	Description
1	You can check Control History that has occurred in the Signage product. - Signage Name, Model Name, Serial Number, Control Item, Result(Code) and Occurred Time
2	You can set the number of histories shown on one screen. - 10, 15, 30 and 50 items
3	Click Refresh to update the current value.

! NOTE

- If "... " is displayed because of the small space between items, hover over each item to view the content of the item in a tooltip.

When the device is disconnected

1 LG SIGNAGE (Disconnected)
The information of the disconnected signage is the information right before the disconnection.

2 ● Information
Control History

Display Information

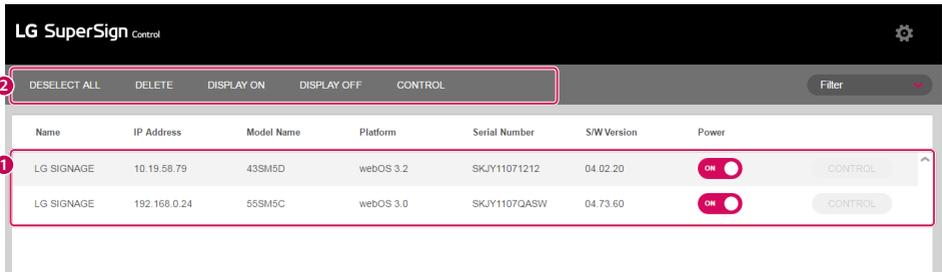
Model Name 55SM5C	Platform webOS 3.0
Serial Number SKJY1107QASW	S/W Version 04.73.60
Power Off	

REFRESH

No.	Description
1	When the device is disconnected, the message "Disconnected" and information will appear.
2	When the device is disconnected, only the tabs of Information and Control History will be activated, and you can check the information and control history saved before disconnection.

Multi Control

This function is to control several Signage products at once.

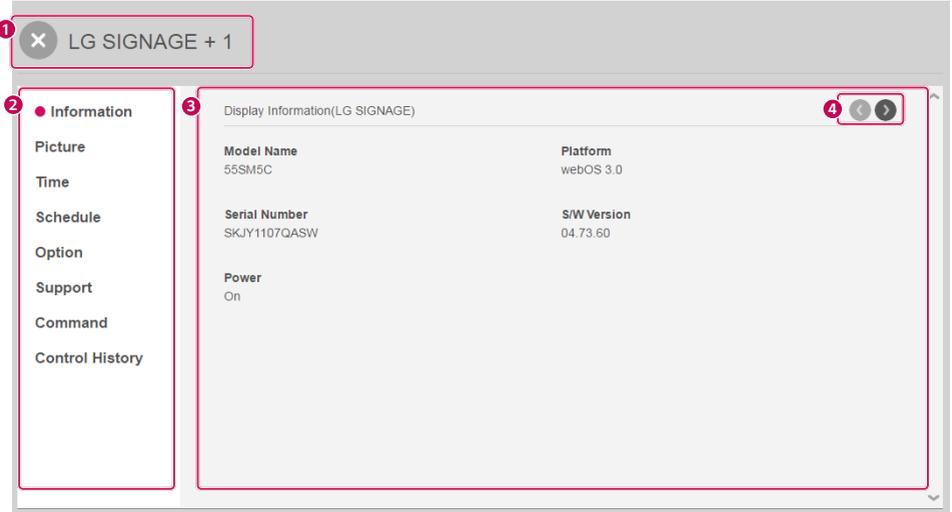


No.	Description
1	If you select two or more Signage products from the Signage list in the Dashboard, the menu for multi control will appear on the top.
2	<p>The multi control function is comprised of the menu including Select All, Delete, Display On, Display off and Control.</p> <ul style="list-style-type: none"> - Select All and Deselect All: You can select/deselect all Signage products. - Delete: You can delete a selected Signage product from the Signage list. - Display On and Display Off: You can turn on/off the power supply for the selected monitor. - Control: You can view information about the selected Signage products and a settings menu provided by each Signage product.

Multi Signage Popup

Select two or more Signage products and click **Control** to show the multi Signage popup will appear.

Information



No.	Description
1	Names of the Signage products are displayed. The name of the representative Signage (the first one) and the number of the other Signage products are shown. If there is a disconnected Signage among the selected Signage products, the number of the relevant Signage products is indicated on a bottom side.
2	Tabs to call the menu - Information, Picture, Time, Schedule, Option, Support, Command and Control History
3	Show the information about the selected Signage product.
4	You can view the information about the Signage products selected with the Direction button.

Picture

LG SIGNAGE + 1

- Information
- Picture**
- Time
- Schedule
- Option
- Support
- Command
- Control History

1 Basic

Picture Mode
Mall/QSR (Vivid) **2**

Input
DTV **Aspect Ratio**
4:3

Brightness Control
Off

3 Advanced

Backlight
[Slider] 0

Backlight(min) Unsupported **Backlight(max)** Unsupported

Contrast
[Slider] 0

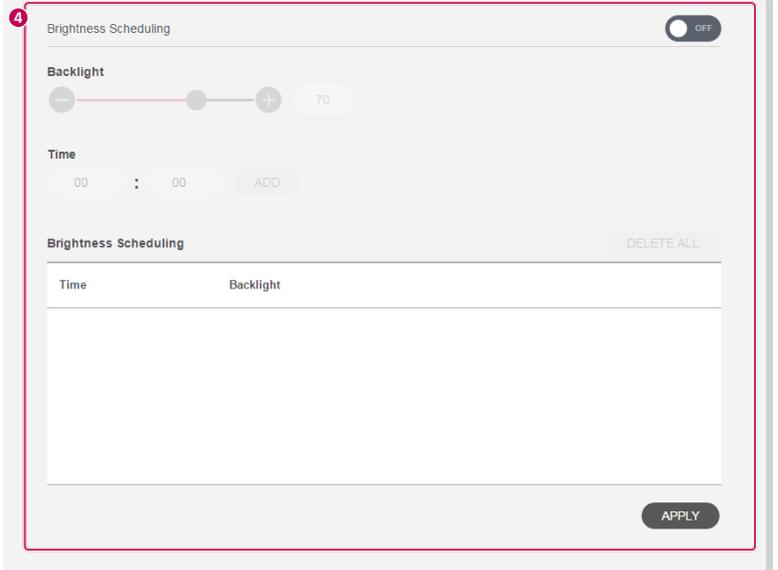
Brightness
[Slider] 0

Sharpness
[Slider] 0

Color
[Slider] 0

Tint
[Slider] R50

Color Temperature
[Slider] 3200K



No.	Description
1	You can set the basic settings. - Picture Mode, Input, Aspect Ratio and Brightness Control
2	You can apply the changed value to all input.
3	You can set the advanced settings. - Backlight, Contrast, Brightness, Sharpness, Color, Tint and Color Temperature
4	You can add the backlight value and time to the list by setting Brightness Scheduling on and setting and adding the backlight value and time. The backlight value will be changed to the set value in accordance with the time shown on the list.

! NOTE

- If an item is not supported by the display, the status of the item will be indicated as **Not Supported**.
- When you enable Brightness Scheduling, the Backlight settings will be disabled.

Time

✕ LG SIGNAGE + 1

Information

Picture

Time

Schedule

Option

Support

Command

Control History

1 Basic

Date **Time**

2018/05/24 14 : 55 : 57

2 Daylight Saving OFF

Start Time

Month: Week:

WeekDay: Hour:

End Time

Month: Week:

WeekDay: Hour:

No.	Description
1	You can manually enter and apply the date and time. Click Setting by pc time to automatically apply the time of the PC.
2	Turn Daylight Saving on, et Start Time and End Time, and click Apply to set Daylight Saving.

! NOTE

- Applicable items may vary according to the display.

Schedule

When Signage products of the same platform perform a multi control

When the platform of webOS 3.0 or lower is used

✕ LG SIGNAGE + 1

- Information
- Picture
- Time
- Schedule**
- Option
- Support
- Command
- Control History

1 Add Schedule ADD

Power On Off

Time 00 : 00

Schedule Input HDMI1 (DTV) ▾

Repeat Type

Once ▾ Sun Mon Tue Wed Thu Fri Sat

2 DELETE ALL

No.	Description
1	Set Power , Time , Schedule Input and Repeat Type , and click Add to add the relevant schedule.
2	Click Delete All to delete all schedules.

When the webOS 3.2 platform is used

Information

Picture

Time

● Schedule

Option

Support

Command

Control History

1 Add Schedule ADD

WeekDay

Sun.

On Time 08 : 00

Off Time 17 : 00

2 DELETE ALL

No.	Description
1	When you set Day , On Time and Off Time , and click Add to add the relevant schedule.
2	Click Delete All to delete all schedules.

When the platform of webOS 4.0 or higher or L18 is used

Information

Picture

Time

● Schedule

Option

Support

Command

Control History

1 Add Schedule ADD

Power On Off

Time 00 : 00

Repeat Type

Once

Sun Mon Tue Wed Thu Fri Sat

2 DELETE ALL

No.	Description
1	When you set Power , Time and Repeat Type , and click Add to add the relevant schedule.
2	Click Delete All to delete all schedules of the selected Signage product.

When Signage products with different platforms are multi controlled

Control is unavailable, so "only the same platform can be controlled." After a guide popup appears, the program returns to the Signage list.



NOTE

- The screen may look different by display platform.
- A multi control is supported only among the same platforms.

Option

The screenshot shows the settings interface for LG SIGNAGE + 1. On the left is a navigation menu with options: Information, Picture, Time, Schedule, Option (selected), Support, Command, and Control History. The main area is titled 'Option' and contains two sections:

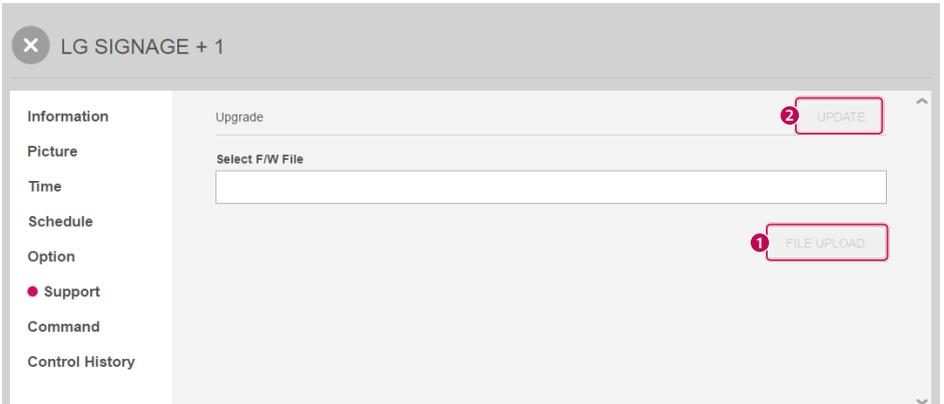
- Section 1: Signage Option**
 - ISM Method: Inversion (dropdown) APPLY
 - DPM Select: Off (dropdown) APPLY
 - Power On Delay: 0 sec (dropdown) APPLY
 - Default Setting: Picture (dropdown) APPLY
 - OSD Lock: OFF (toggle) APPLY
 - Remote/Key Lock: OFF (toggle) APPLY
 - Wake On LAN: OFF (toggle) APPLY
- Section 2: Audio Setting**
 - Speaker: Off (dropdown) APPLY
 - Sound Mode: Standard (dropdown) APPLY
 - Audio out: Off (dropdown) APPLY
 - Sound Balance: Slider (0) APPLY
 - Volume: Slider (0) APPLY
 - Volume Mute: OFF (toggle) APPLY

No.	Description
1	You can adjust settings related to Signage options. - ISM Method, DPM Select, Power On Delay, Default Setting, OSD Lock, Remote/Key Lock and Wake On LAN
2	You can adjust settings related to Audio. - Speaker, Sound Mode, Audio out, Sound Balance, Volume and Volume Mute

! NOTE

- Each item of the settings is applied when **Apply** is clicked.
- Applicable items may vary according to the display.

Support



No.	Description
1	Click FILE UPLOAD to select the FW file to update the selected Signage product.
2	Click UPDATE to update the selected FW file to the Signage product.

! NOTE

- If an item is not supported by the display, the **UPDATE** button will be inactivated.
- Only when you select the display of the same inches and the same name, you can perform multi-update.

Command

No.	Description
1	Enter a command to be transmitted to the Signage product, and click Send . (e.g., ka 01 ff)
2	A response from the Signage product to the transmitted command will appear.

! NOTE

- If a command not supported by a connected Signage product is transmitted through an agent, the connection with the display may be terminated temporarily.
- If a command to set a SetID of "00" to the Signage product connected through the Agent is transmitted, the response value will be indicated as **NONE**.

Control History

✕ LG SIGNAGE + 1

Information

Picture

Time

Schedule

Option

Support

Command

● Control History

1 Control History
DELETE ALL

Signage Name	Model Name	Serial Number	Control Item	Result(Code)	Occurred time
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(05)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(02)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off	OK(01)	May 24, 2018 2:04 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(E1)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Off Timer	OK(E1)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule On Timer	OK(05)	May 24, 2018 2:03 PM
LG SIGNAGE	55SM5C	SKJY1107QASW	Schedule Input	OK(60)	May 24, 2018 2:03 PM

2 Rows per page

10
⏪
⏩
1
2
3
⏪
⏩

Total : 28 History

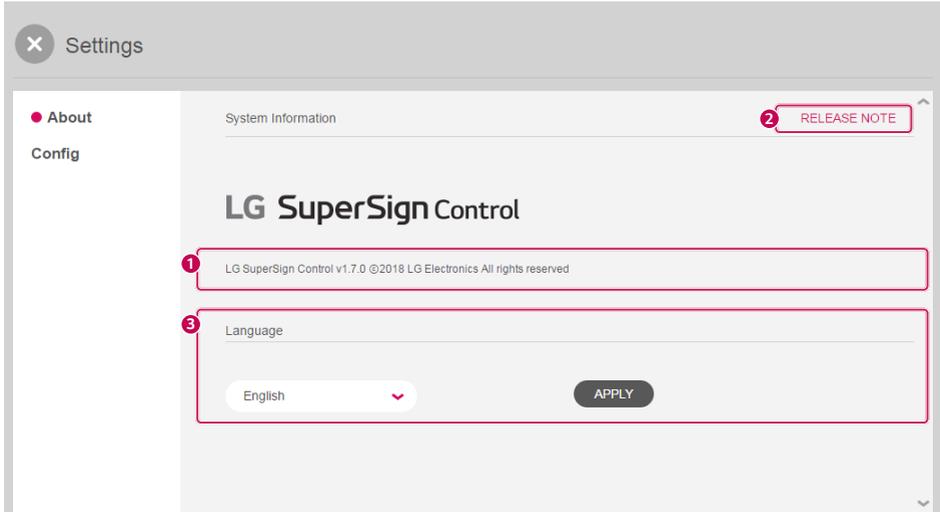
No.	Description
1	You can check Control History that has occurred in the Signage product. - Signage Name, Model Name, Serial Number, Control Item, Result(Code) and Occurred Time
2	You can set the number of histories shown on one screen. - 10, 15, 30 and 50 items

! **NOTE**

- If "..." is displayed because of the small space between items, hover over each item to view the content of the item in a tooltip.

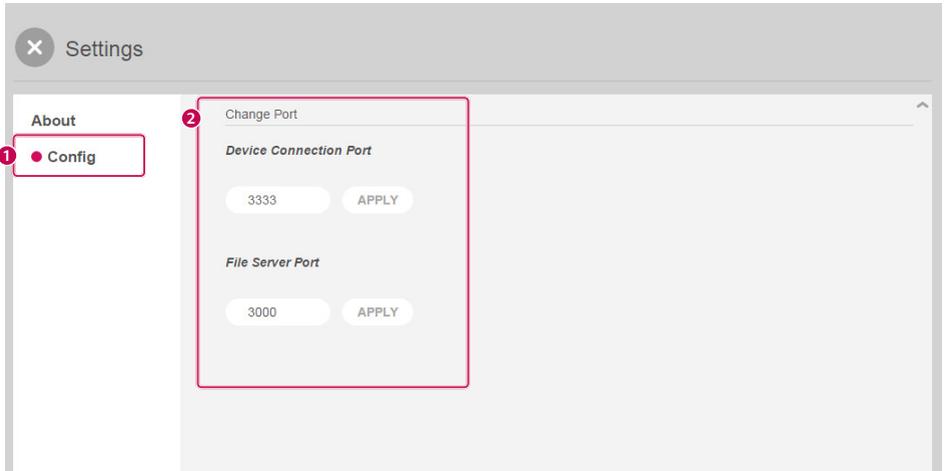
Setting

About



No.	Description
①	You can check the version information of the SuperSign Control.
②	You can check the Release Note of the SuperSign Control.
③	You can change the language of the SuperSign Control. - Supported languages: Korean, English

Config



No.	Description
1	The menu in the tab to change the Config
2	<p>You can enter details about each item and click the Apply button to check the details in a popup that appears and select to apply/cancel.</p> <ul style="list-style-type: none"> - Device Connection Port: Enter a device connection port. (between 0 and 65535) - File Server Port: Enter a file server port number. (port between 0 and 65535)

Information on Used Port

The SuperSign Control is connected through the ports below.

- 3333: Player Access Server
- 3000: File transmission server

CAUTION

- The SuperSign Control and the SuperSign Control+ use the same port, so they cannot be executed at the same time.
- You can use them simultaneously by changing their port in the Config menu.



To obtain the source code under GPL, LGPL, MPL, and other open source licenses, that is contained in this product, please visit <http://opensource.lge.com>. In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download. LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com. This offer is valid for a period of three years after our last shipment of this product. This offer is valid to anyone in receipt of this information.