

BRAVIA Signage

User Guide

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Introduction

This guide describes the following. If you are a first-time user of BRAVIA Signage, read the “BRAVIA Signage Startup Guide” first.

- Setup of BRAVIA Signage
 - Initial setup
 - Version update
 - Uninstallation
- Signage Operations with Operation Web Application



1. BRAVIA Signage Setup

This section describes the setup of the server and display. The overview of the procedure is as follows:

- [A] Server (Setup for BRAVIA Signage Server)
- [B] Display (Setup for BRAVIA Signage Player)
 - [1] Installation of BRAVIA Signage Player (Required)
 - [2] Display settings (Optional)
 - [3] Pre-shared key settings (Optional)
 - [4] BRAVIA Signage Player setup (Required)

1.1. Server PC Setup (BRAVIA Signage Server)

Refer to chapter 4 in “BRAVIA Signage Startup Guide”.

1.2. Install BRAVIA Signage Player

Refer to chapter 4 in “BRAVIA Signage Startup Guide”.

1.3. Confirm Display Settings

Refer to chapter 4 in “BRAVIA Signage Startup Guide”.



1.4. Configure Pre-Shared Key

BRAVIA has Pre-shared Key as a configuration. This configuration restricts the applications without Pre-Shared key to control power on/off, reboot and so on. You can configure Pre-Shared Key to BRAVIA Signage with config.txt described in “Appendix IV. config.txt specification” of [help] of upper right of Operation Web Application.

- Network > Home Network > IP control > Authentication
Set “Pre-Shared Key”
- Network > Home Network > IP control > Pre-Shared Key
Set key

If you use this feature, configure display and BRAVIA Signage Player with the following procedures:

[1] Change display to Hotel/Pro setting mode. Refer to the BRAVIA B2B HTML5 Solution Technical Manual to set the Hotel/Pro Setting Mode.

[2] Configure display settings as the above.

[3] Change display to Hotel/Pro Mode.

[4] Edit the “pre-shared key” of config.txt as a key value in procedure [2] Configure BRAVIA Signage Player with the config.txt. Note that when BRAVIA Pre-Shared Key value does not match with “pre-shared-key” of config.txt, no error message is displayed on the display because the BRAVIA Signage Player cannot start.



1.5. Configure BRAVIA Signage Player

1.5.1. Configure and Start BRAVIA Signage Player

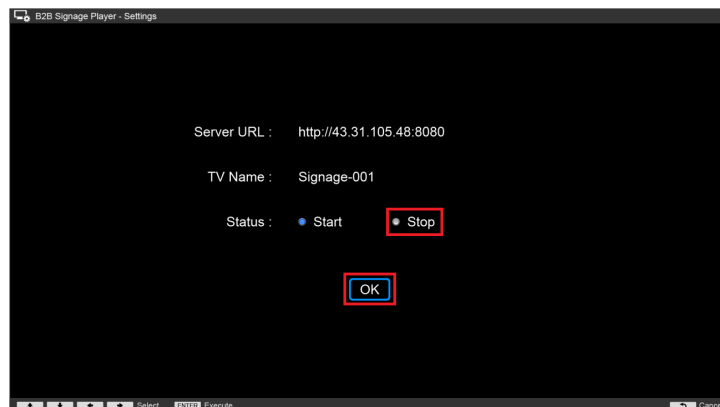
Refer to chapter 4 in “BRAVIA Signage Startup Guide” for this procedure, and refer to “Appendix IV. config.txt specification” of [help] of upper right of Operation Web Application. about the detail of config.txt used for the configuration.

1.5.2. Stop and Restart BRAVIA Signage Player

[1] Push [HOME] button of remote controller and select the following application icon displayed on HOME screen of the display.



[2] The configuration starts as seen in the diagram below. Select [Stop], push [OK], and BRAVIA Signage Player stops.



The configuration starts also when executing the same procedure as above while BRAVIA Signage Player stops. When selecting [Start] and pushing [OK], BRAVIA Signage Player starts to run again.

In addition, when inserting a USB flash memory with config.txt to the display USB port while the display is powered ON, the configuration starts. This operation can be used instead of the procedure [1] above.

1.5.3. Change the configurations of the BRAVIA Signage Player

Display configurations can be changed when inserting a USB flash memory with config.txt updated to change the configurations to the display USB port. In that case, “override” key must be “true” in config.txt. In addition, only the display name can be changed from [Display Management] page of Operation web application, and refer to [help] of upper right of Operation web application about this procedures.



2. Update and Uninstall BRAVIA Signage

This section describes the update and uninstalling of BRAVIA Signage. The overview of the procedure is as follows:

- [A] Update BRAVIA Signage
 - [1] Update BRAVIA Signage Server (Required)
 - [2] Update BRAVIA Signage Player (Required)
- [B] Uninstall BRAVIA Signage
 - [1] Uninstall BRAVIA Signage Server (Required)
 - [2] Uninstall BRAVIA Signage Player (Required)

In addition, BRAVIA Signage Server and BRAVIA Signage Player check their versions against each other at connection in order to run properly. Connection is allowed only in the following cases.

- BRAVIA Signage 1.7.3 or earlier is used and the BRAVIA Signage Server version is the same as BRAVIA Signage Player.
- BRAVIA Signage 1.7.4 or later is used, and the BRAVIA Signage Player version is the same as or earlier than BRAVIA Signage Server.

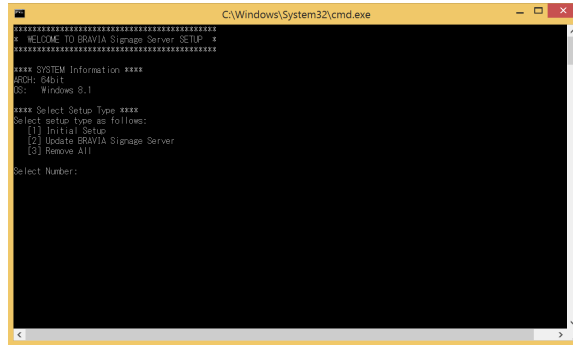


2.1. Update BRAVIA Signage Server

In this section, the update procedure of MongoDB and BRAVIA Signage installed on the server is explained. The information registered on the older version of BRAVIA Signage Server is over written in this update.

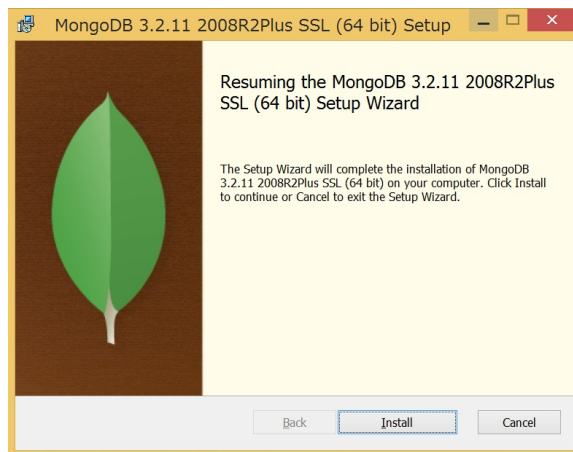
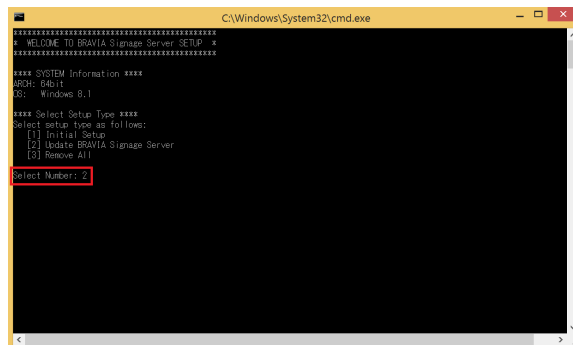
[1] Copy the “windows” folder in the package on any directory in your Server.

[2] Right-click “setup.bat” in this “windows” folder and select “Run as administrator”. The following window is displayed:

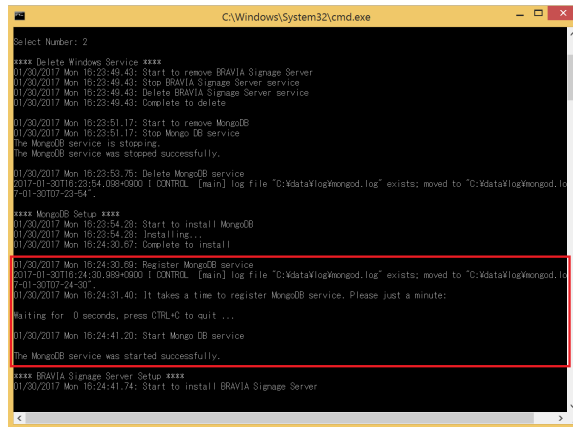


If the directory path name includes half width letters such as ‘@#\$\$%^&()_+~=-`{}[]’, the above screen cannot be displayed depending on the combination of these letters. If the screen does not display, please confirm the directory path name.

[3] Input “2” and push the “ENTER” key in this window as seen in the following diagram, the MongoDB installation window is displayed as seen in the following diagram, and update in accordance with the guidance.



[4] After the update of MongoDB, the configurations are automatically executed. The BRAVIA Signage Server installation window is displayed as seen in the following diagram and update in accordance with the guidance.



```

C:\Windows\System32\cmd.exe
Select Number: 2

**** Delete Windows Service ****
01/30/2017 Mon 16:23:49.43: Start to remove BRAVIA Signage Server
01/30/2017 Mon 16:23:49.43: Stop BRAVIA Signage Server service
01/30/2017 Mon 16:23:49.43: Delete BRAVIA Signage Server service
01/30/2017 Mon 16:23:49.43: Complete to delete

01/30/2017 Mon 16:23:51.17: Start to remove MongoDB
01/30/2017 Mon 16:23:51.17: Stop Mongo DB service
The MongoDB service is stopping.
The MongoDB service was stopped successfully.

01/30/2017 Mon 16:23:53.75: Delete MongoDB service
2017-01-30T16:23:54.000+0000 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.log
7-01-30T07-23-54"

**** MongoDB Setup ****
01/30/2017 Mon 16:23:54.28: Start to install MongoDB
01/30/2017 Mon 16:23:54.28: Installing...
01/30/2017 Mon 16:24:30.67: Complete to install

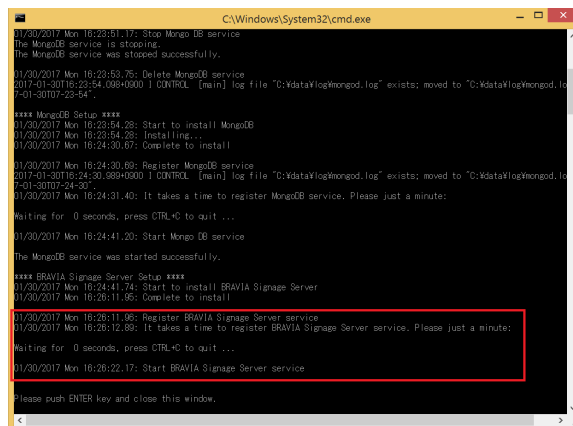
01/30/2017 Mon 16:24:30.69: Register MongoDB service
2017-01-30T16:24:30.989+0000 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.log
7-01-30T07-24-30"
01/30/2017 Mon 16:24:31.40: It takes a time to register MongoDB service. Please just a minute:
Waiting for 0 seconds, press CTRL+C to quit ...
01/30/2017 Mon 16:24:41.20: Start Mongo DB service
The MongoDB service was started successfully.

**** BRAVIA Signage Server Setup ****
01/30/2017 Mon 16:24:41.74: Start to install BRAVIA Signage Server

```



[5] After the update of BRAVIA Signage Server, the configurations are automatically executed.



```

C:\Windows\System32\cmd.exe
01/30/2017 Mon 16:23:51.17: Stop Mongo DB service
The MongoDB service is stopping.
The MongoDB service was stopped successfully.

01/30/2017 Mon 16:23:53.75: Delete MongoDB service
2017-01-30T16:23:54.000+0000 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.log
7-01-30T07-23-54"

**** MongoDB Setup ****
01/30/2017 Mon 16:23:54.28: Start to install MongoDB
01/30/2017 Mon 16:23:54.28: Installing...
01/30/2017 Mon 16:24:30.67: Complete to install

01/30/2017 Mon 16:24:30.69: Register MongoDB service
2017-01-30T16:24:30.989+0000 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.log
7-01-30T07-24-30"
01/30/2017 Mon 16:24:31.40: It takes a time to register MongoDB service. Please just a minute:
Waiting for 0 seconds, press CTRL+C to quit ...
01/30/2017 Mon 16:24:41.20: Start Mongo DB service
The MongoDB service was started successfully.

**** BRAVIA Signage Server Setup ****
01/30/2017 Mon 16:24:41.74: Start to install BRAVIA Signage Server
01/30/2017 Mon 16:25:11.95: Complete to install

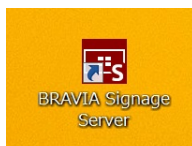
01/30/2017 Mon 16:25:11.95: Register BRAVIA Signage Server service
01/30/2017 Mon 16:25:12.80: It takes a time to register BRAVIA Signage Server service. Please just a minute:
Waiting for 0 seconds, press CTRL+C to quit ...
01/30/2017 Mon 16:25:22.17: Start BRAVIA Signage Server service

Please push ENTER key and close this window.

```

[6] Push the “ENTER” key to close the window.

[7] Double-click the following shortcut icon created on the desktop.



When double-clicked, Operation Web Application opens with your browser on your server.

BRAVIA Signage Version 1.7.4 Help

Schedule Delivery

Interrupt Delivery

Playlist

Contents Library

Display Management

Event Log

Settings

☒ All

☒ G_Restaurant_L

☒ G_Restaurant_P

☒ G_Transport_L

☒ G_Transport_P

☒ Group1

All ☐ Publish ☒

Wednesday, March 14, 2018

<< < Today > >>

Start time: 00:00 ▾

	00	03	06	09	12	15	18	21	24
G_Restaura...					PL_Restaurant_L				
G_Restaura...					PL_Restaurant_P				
G_Transport...					PL_Transport_L				
G_Transport...					PL_Transport_P				
Group1									

Server Time : 2018-03-14T14:30:46.824+09:00

2.2. Update BRAVIA Signage Player

This section describes how to update BRAVIA Signage Player in display.

- [1] Copy “extapp_installer.pkg” in the package on the root directory in the USB flash memory.
- [2] Turn on display and insert the USB flash memory to a USB port on the display.
- [3] As the installer starts, update this application following the installer’s instructions.
- [4] At next, copy “extapp_installer.pkg” under BRAVIASignageLauncher folder to the root folder in the USB flash memory.
- [5] Execute same procedures as above [2] and [3].
- [6] After update, configure BRAVIA Signage Player with config.txt. Refer to [1.5. Configure BRAVIA Signage Player](#) for details.

NOTE) Don’t turn off or unplug display during the installation. It may cause display to breakdown.

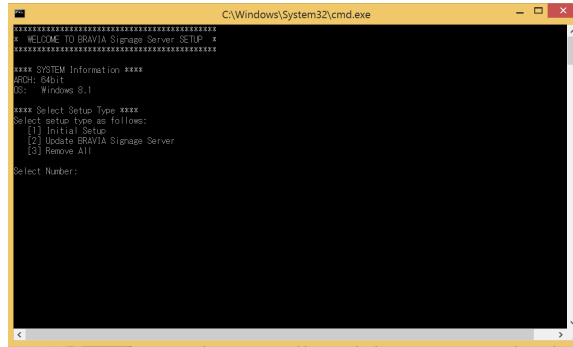


2.3. Uninstall BRAVIA Signage Server

In this section, the uninstallation procedure to remove installations and configurations on the server is uninstalling. The information registered to BRAVIA Signage Server is not removed by uninstalling.

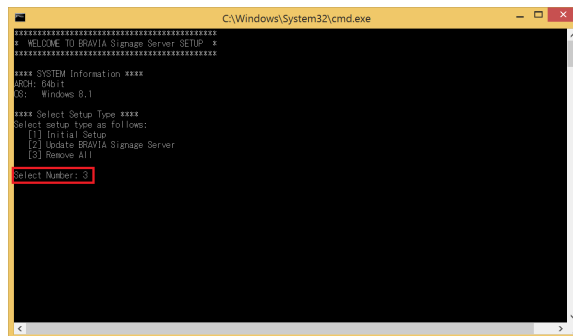
[1] Copy the “windows” folder in the package with the same version as the installed version on any directory in you Server.

[2] Right-click “setup.bat” in this “windows” folder and select “Run as administrator”. The following window is displayed:



If the directory path name includes half width letters such as ‘@#\$\$%^&()_+~=-`{ }[]’, the above screen cannot be displayed depending on the combination of these letters. If the screen does not display, please confirm the directory path name.

[3] Input “3” and push the “ENTER” key in this window as seen in the following diagram and the installed and configured content are automatically removed.



[4] If the window of “Microsoft Visual C++ 2015 Redistributable(x64)” is displayed during the uninstallation, push the [uninstall] button to uninstall.

[5] After the uninstallation of “Microsoft Visual C++ 2015 Redistributable(x64)”, push the [close] button.

[6] The uninstallation messages for BRAVIA Signage Server, Apache, and MongoDB are displayed as seen below:

```
C:\Windows\System32\cmd.exe
##### WELCOME TO BRAVIA Signage Server SETUP #####
##### SYSTEM Information #####
ARCH: 64bit
OS: Windows 8.1
##### Select Setup Type #####
Select setup type as follows:
(1) Initial Setup
(2) Update BRAVIA Signage Server
(3) Remove All
Select Number: 3

##### Remove BRAVIA Signage Server #####
01/30/2017 Mon 17:11:24.57: Start to remove BRAVIA Signage Server
01/30/2017 Mon 17:11:24.57: Stop BRAVIA Signage Server service
01/30/2017 Mon 17:11:24.57: Delete BRAVIA Signage Server service
01/30/2017 Mon 17:11:24.57: Complete to delete
01/30/2017 Mon 17:11:28.54: Start to remove BRAVIA Signage Server
01/30/2017 Mon 17:11:28.54: Removing...
01/30/2017 Mon 17:11:28.54: Complete to remove
01/30/2017 Mon 17:13:03.13: Remove rule name of BRAVIA Signage Server:
Deleted 1 rule(s).
3.

##### Remove Apache HTTP Server #####
01/30/2017 Mon 17:13:03.35: Start to remove Apache2.4
01/30/2017 Mon 17:13:03.35: Stop Apache HTTP Server
The "Apache2.4" service is stopping.
The "Apache2.4" service has stopped.
Removing the "Apache2.4" service
The "Apache2.4" service has been removed successfully.
01/30/2017 Mon 17:13:07.98: Remove rule name of Apache HTTP Server:
Deleted 1 rule(s).
3.

01/30/2017 Mon 17:13:08.14: Start to remove Microsoft VC++ 2015 Redistributable Package
01/30/2017 Mon 17:13:18.82: Complete to remove

##### Remove MongoDB #####
01/30/2017 Mon 17:13:18.84: Start to remove MongoDB
01/30/2017 Mon 17:13:18.84: Stop Mongo DB service
The MongoDB service is stopping.
The MongoDB service was stopped successfully.
01/30/2017 Mon 17:13:21.41: Delete MongoDB service
2017-01-30T17:13:21.747+0900 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.log
F-01-30T08-15-21"
01/30/2017 Mon 17:13:21.84: Start to remove MongoDB
01/30/2017 Mon 17:13:21.84: Removing...
01/30/2017 Mon 17:13:24.01: Complete to remove

Please push ENTER key and close this window.
```

[7] Push the “ENTER” key to close the window.

[8] As in the previous descriptions, the information registered to BRAVIA Signage Server is not removed by uninstalling. If the information is unnecessary, manually remove the data as seen below:

- the information saved in MongoDB: “C:\data” directory
- the log and contents in Apache : “C:\Apache24” directory

2.4. Uninstall BRAVIA Signage Player

This section describes how to uninstall BRAVIA Signage Player in display.

[1] Copy “extapp_installer.pkg” with the same version as the installed version in the package on the root directory in the USB flash memory.

[2] Turn on display and insert the USB flash memory to a USB port on the display.

[3] As the installer starts, uninstall this application following the installer’s instructions.

[4] At next, copy “extapp_installer.pkg” with the same version as the installed version in the package under BRAVIASignageLauncher folder to the root folder in the USB flash memory.

[5] Execute same procedures as above [2] and [3].

NOTE) Don’t turn off or unplug the display during the installation. It may cause the display to breakdown.



2.5. Notice and Information

This section describes the notice and information on BRAVIA Signage setup.

- **Downgrading of BRAVIA Signage**

In the current and earlier versions, BRAVIA Signage does not support downgrades. If downgrades are performed using an earlier installer than your current version, information including your playlist and schedules will not be supported.

- **Installation after BRAVIA Signage Player uninstallation**

In 1.7.2 or later, if you want to install BRAVIA Signage Player after unintalling it, you need to configure with config.txt that “override” key is “ture”. If it is not “true”, the configuration from before uninstalling BRAVIA Sinage Player is taken over.



3. Signage Operations with Operation Web Application

You can open the guide from [help] of upper right of Operation Web Application. Refer to the guide on how to use Operation Web Application.

The screenshot displays the BRAVIA Signage Operation Web Application interface. The top header shows "BRAVIA Signage" and "Version 1.7.4". A "Help" link is highlighted in the top right corner. The left sidebar contains navigation options: Schedule Delivery, Interrupt Delivery, Playlist, Contents Library, Display Management, Event Log, and Settings. The main area shows a scheduling grid for Wednesday, March 14, 2018. The grid has columns for time intervals (00, 03, 06, 09, 12, 15, 18, 21, 24) and rows for different content groups. The content groups are: G_Restaurant_L, G_Restaurant_P, G_Transport_L, G_Transport_P, and Group1. The grid shows scheduled content for the time interval 09 to 12. The content is: PL_Restaurant_L (red), PL_Restaurant_P (yellow), PL_Transport_L (green), and PL_Transport_P (blue). A "Publish" button is visible in the top right. The bottom status bar shows "Server Time : 2018-03-14T11:35:11.070+09:00".

Content Group	00	03	06	09	12	15	18	21	24
G_Restaurant_L				PL_Restaurant_L					
G_Restaurant_P				PL_Restaurant_P					
G_Transport_L				PL_Transport_L					
G_Transport_P				PL_Transport_P					
Group1									

Change History

1.7.4

- All: Modify the missing descriptions and described expressions, designs.
- Chapter 1
 - 1.5: Move conventional descriptions about config.txt to help page.
 - 1.6: Move conventional descriptions to related procedures and descriptions.
- Chapter 2
 - 2.2: Change procedures due to additional feature.
 - 2.4: Change procedures due to additional feature.
- Chapter 4 and 5
 - Move conventional descriptions to related procedures and descriptions.

