

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] Display settings (Required)
 - [2] Pre-shared key settings (Optional)
 - [3] Installation of BRAVIA Signage Player (Required)
 - [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. Confirm Display Settings

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

1.3. 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] Switch BRAVIA to Pro settings mode. Refer to BRAVIA Professional Displays Knowledge Center to switch Pro settings mode and for details of Pro settings.

[2] Configure display settings as the above.

[3] Switch BRAVIA to 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.

1.4. Install BRAVIA Signage Player

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

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.

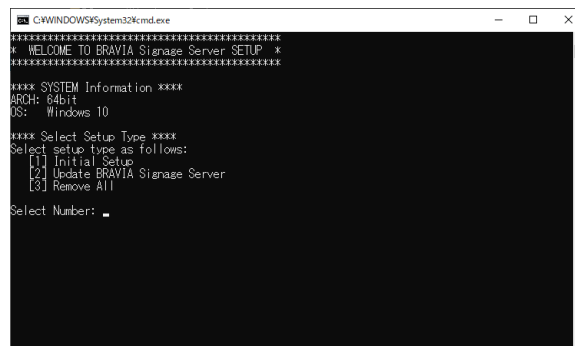
- BRAVIA Signage 1.7.3 or earlier is used and the BRAVIA Signage Server version is the same as BRAVIA Signage Player.
- BRAVIA Signage 1.7.4 or later is used, and the BRAVIA Signage Player version is the same as or earlier than BRAVIA Signage Server.

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.

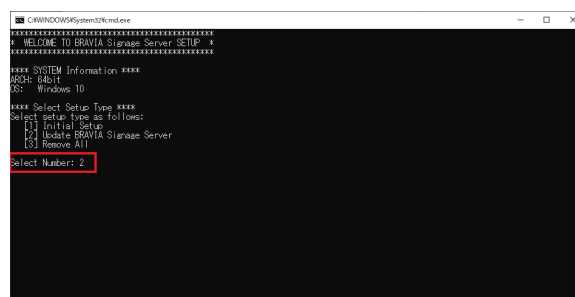
[2] Right-click “setup.bat” in this “windows” folder and select “Run as administrator”. The following window is displayed:



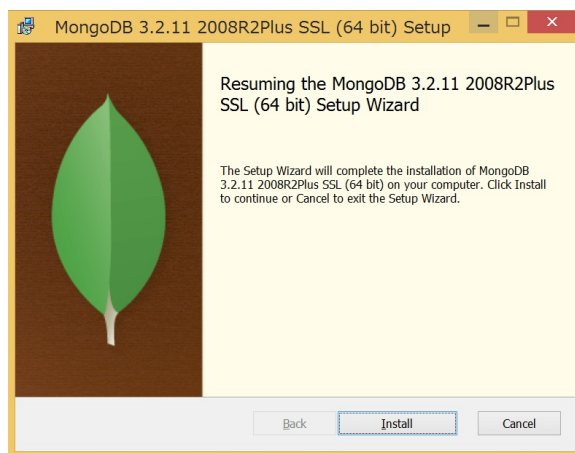
```
C:\WINDOWS\system32\cmd.exe
*****
* WELCOME TO BRAVIA Signage Server SETUP *
*****
**** SYSTEM Information ****
ARCH: 64bit
OS: Windows 10
**** Select Setup Type ****
Select setup type as follows:
 [1] Initial Setup
 [2] Update BRAVIA Signage Server
 [3] Remove All
Select Number: _
```

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.

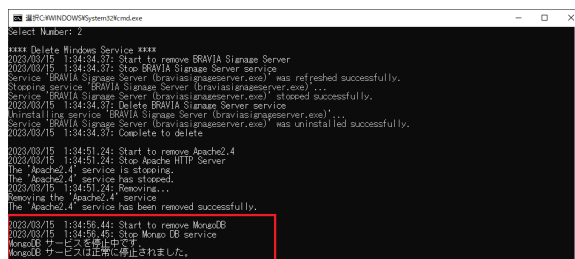
[3] Input “2” and push the “ENTER” key in this window as seen in the following diagram, the MongoDB installation window is displayed as seen in the following diagram, and update in accordance with the guidance.



```
C:\WINDOWS\system32\cmd.exe
*****
* WELCOME TO BRAVIA Signage Server SETUP *
*****
**** SYSTEM Information ****
ARCH: 64bit
OS: Windows 10
**** Select Setup Type ****
Select setup type as follows:
 [1] Initial Setup
 [2] Update BRAVIA Signage Server
 [3] Remove All
Select Number: 2
```



[4] After the update of MongoDB, the configurations are automatically executed.



[5] Next, update BRAVIA Signage Server. If you have not set up authentication for BRAVIA Signage Server, set up authentication first.



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

2.2. Update BRAVIA Signage Player

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

[1] Enable the installation from a USB flash memory if you use Android 10.0 or later model and you disabled it during operation. Refer to chapter 4 in “BRAVIA Signage Startup Guide”.

[2] Copy “extapp_installer.pkg” in the package on the root directory in the USB flash memory.

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

[4] As the installer starts, update this application following the installer’s instructions.

[5] At next, copy “extapp_installer.pkg” under BRAVIASignageLauncher folder to the root folder in the USB flash memory.

[6] Execute same procedures as above [3] and [4].

[7] After update, configure BRAVIA Signage Player with config.txt. Refer to [1.5. Configure BRAVIA Signage Player](#) for details.

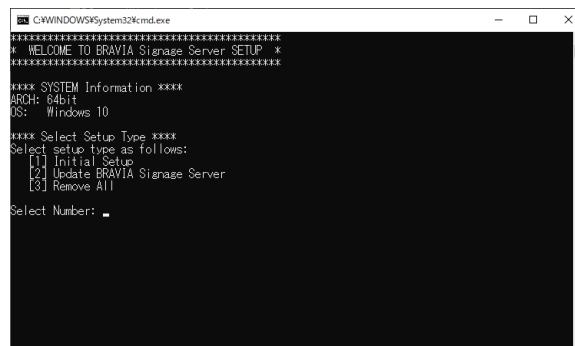
NOTE) Don’t turn off or unplug display during the installation. It may cause display to breakdown.

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.

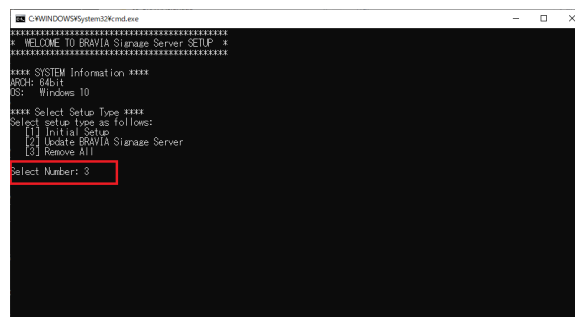
[2] Right-click “setup.bat” in this “windows” folder and select “Run as administrator”. The following window is displayed:



```
C:\WINDOWS\system32\cmd.exe
*****
* WELCOME TO BRAVIA Signage Server SETUP *
*****
**** SYSTEM Information ****
ARCH: 64bit
OS: Windows 10
**** Select Setup Type ****
Select setup type as follows:
[1] Initial Setup
[2] Update BRAVIA Signage Server
[3] Remove All
Select Number: _
```

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.



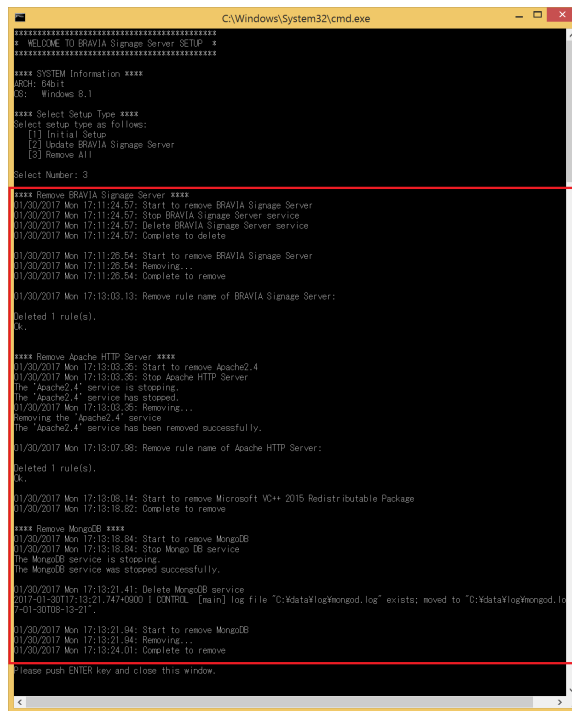
```
C:\WINDOWS\system32\cmd.exe
*****
* WELCOME TO BRAVIA Signage Server SETUP *
*****
**** SYSTEM Information ****
ARCH: 64bit
OS: Windows 10
**** Select Setup Type ****
Select setup type as follows:
[1] Initial Setup
[2] Update BRAVIA Signage Server
[3] Remove All
Select Number: 3
```

[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 ****
OS: 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 17:11:26:54: Start to remove BRAVIA Signage Server
01/30/2017 Mon 17:11:26:54: Removing...
01/30/2017 Mon 17:11:26:54: Complete to remove

01/30/2017 Mon 17:13:03:13: Remove rule name of BRAVIA Signage Server:
Deleted 1 rule(s).
k.

**** 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.
01/30/2017 Mon 17:13:03:35: Removing...
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).
k.

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+0800 I CONTROL [main] log file "C:\data\log\mongod.log" exists; moved to "C:\data\log\mongod.1
7-01-30T09-13-21"

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] Enable the installation from a USB flash memory if you use Android 10.0 or later model and you disabled it during operation. Refer to chapter 4 in “BRAVIA Signage Startup Guide”.

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

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

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

[5] 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.

[6] Execute same procedures as above [3] and [4].

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 shows the BRAVIA Signage Version 1.7.4 interface. At the top right, there is a 'Help' button highlighted with a red box. The main area displays a scheduling grid for Wednesday, March 14, 2018, with a start time of 00:00. The grid shows content delivery for various groups and playlists from 09:00 to 18:00. A red vertical line indicates the current time at 12:00. The interface includes a sidebar with navigation options like Schedule Delivery, Interrupt Delivery, Playlist, Contents Library, Display Management, Event Log, and Settings. A 'Publish' button is visible in the top right of the main area.

| Group | Content | Start Time | End Time |
|----------------|-----------------|------------|----------|
| G_Restaurant_L | PL_Restaurant_L | 09:00 | 18:00 |
| G_Restaurant_P | PL_Restaurant_P | 09:00 | 18:00 |
| G_Transport_L | PL_Transport_L | 09:00 | 18:00 |
| G_Transport_P | PL_Transport_P | 09:00 | 18:00 |

Server Time : 2018-03-14T11:35:11.070+09:00

Change History

1.7.4

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

1.8.1

- Chapter 1
 - Removed procedures for Non Android TV model.
- Chapter 2
 - Added procedure for Android 10.0 or later models.

1.8.3

- Chapter 2
 - Updated update and uninstall instructions.