

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

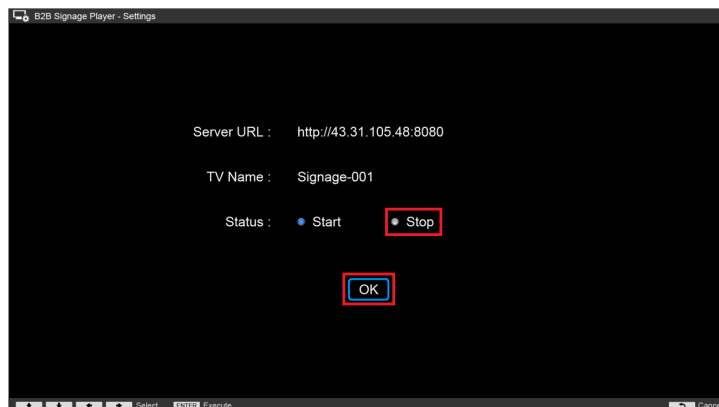
Refer to chapter 4 in “BRAVIA Signage Startup Guide” for this procedure, and refer to “Appendix IV. config.txt specification” of [help] of upper right of Operation Web Application. about the detail of config.txt used for the configuration.

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

This section describes the procedure for updating to a new version of the database software and BRAVIA Signage Server installed on the server PC.

[Notice]

*When updating from version 1.8.4 or earlier to version 2.0.0, there is a risk that the update will fail with the message “Error: migration failed.” Therefore, update to the latest version (2.0.1) instead of version 2.0.0. If the update to version 2.0.0 fails, follow the procedure described in “Responding to data migration failure” to restore the previous version, and then update to version 2.0.1. Please see “2.5. Notice and Information” for the 2.0.0 update notice.

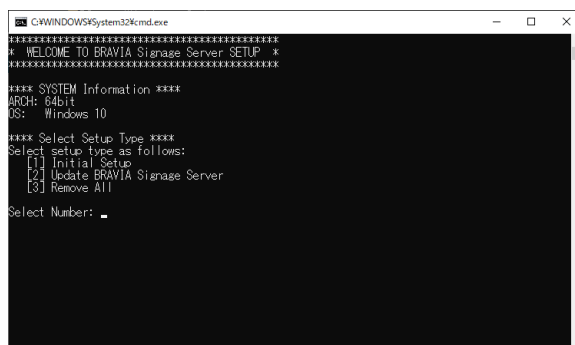
*When updating to BRAVIA Signage Server version 1.8.4 or earlier, all information such as playlists and schedules configured in the previous version will be preserved. However, when updating to BRAVIA Signage Server version 2.0.0 or later from version 1.8.4 or earlier, the event log will not be preserved. If you want to back up the event log, download it manually before updating. For details on how to download the event log, refer to the following: [Help] > [2. Basic operation](#)

Windows

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

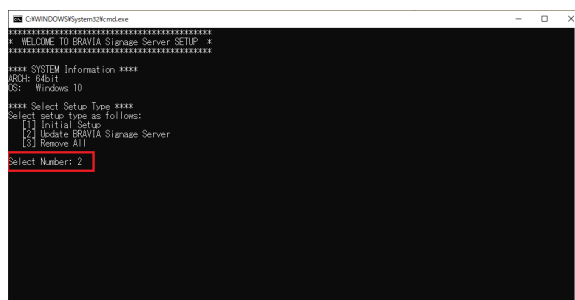
[2] Right-click setup file(*1) in this “windows” folder and select “Run as administrator”. The following window is displayed:

(*1) When updating to BRAVIA Signage Server 1.8.4 or earlier, run setup.bat. When updating to BRAVIA Signage Server 2.0.0 or later, run setup.exe.



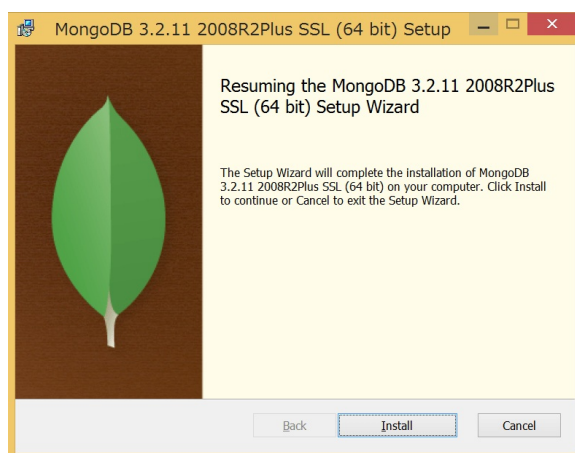
If the directory path name includes half width letters such as ‘@#\$%^&()_+~-=`{ } []’, the above screen cannot be displayed depending on the combination of these letters. If the screen does not display, please confirm the directory path name.

[3] On the displayed screen, enter “2” as shown below and press the ENTER key.



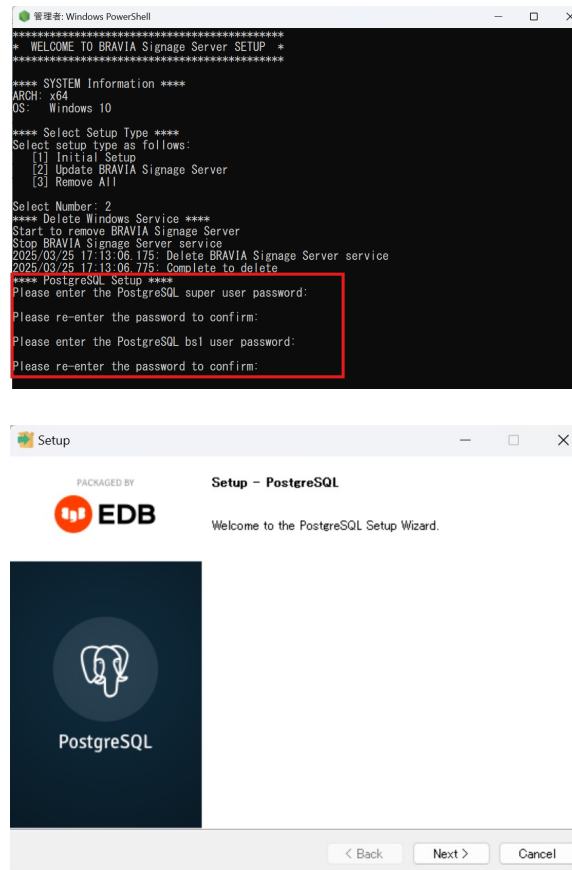
(For update to BRAVIA Signage Server 1.8.4 or earlier)

The MongoDB installation screen is displayed. Follow the instructions on the screen to proceed with the MongoDB update.



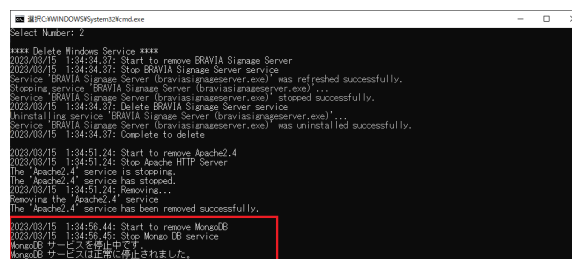
(For update to BRAVIA Signage Server 2.0.0 or later)

Specify the passwords for the PostgreSQL superuser and BRAVIA Signage user. (The passwords should be a string of at least 8 characters, including both letters and numbers.) The PostgreSQL installation screen appears as shown below. Follow the instructions on the screen to proceed with the PostgreSQL update.



[4] After the update is complete, the database software settings are configured automatically as shown below.

(For update to BRAVIA Signage Server 1.8.4 or earlier)



(For update to BRAVIA Signage Server 2.0.0 or later)

```
**** Delete Windows Service ****
Start to remove BRAVIA Signage Server
Stop BRAVIA Signage Server service
2025/03/19 10:03:14.815: Delete BRAVIA Signage Server service
2025/03/19 10:03:15.783: Complete to delete
**** PostgreSQL Setup ****
Please enter the PostgreSQL super user password:
Please re-enter the password to confirm:
Please enter the PostgreSQL hsl user password:
Please re-enter the password to confirm:
2025/03/19 10:03:31.172: Start to install PostgreSQL
2025/03/19 10:03:31.173: Installing...
2025/03/19 10:11:11.077: Create C:\data\postgresql directory
2025/03/19 10:11:11.080: Complete to install PostgreSQL
```

[5] (Only when updating from BRAVIA Signage Server 1.8.4 or earlier to version 2.0.0 or later) The data migration from MongoDB to PostgreSQL is performed automatically as shown below.

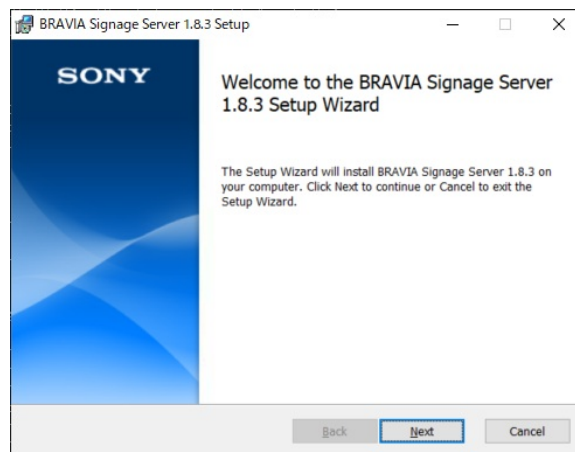
```
2025/03/07 09:53:41.517: Start to migrate MongoDB to PostgreSQL
2025/03/07 09:53:41.517: Progressing...
2025/03/07 09:53:57.787: Complete to migrate
```

MongoDB will be uninstalled. If multiple versions of MongoDB are installed, select the one that was used with the previous version of BRAVIA Signage Server.

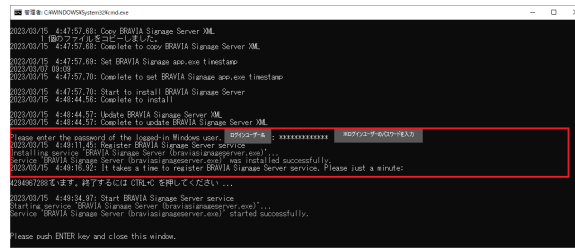
```
2025/03/07 09:53:57.788: Start to remove MongoDB
2025/03/07 09:53:57.788: Stop Mongo DB service
2025/03/07 09:54:00.373: Delete MongoDB service
2025/03/07 09:54:00.521: Start to remove MongoDB
2025/03/07 09:54:00.521: Searching...
I have multiple installations of mongodb.
1. MongoDB 8.0.4 2008R2Plus SSL (64 bit)
2. MongoDB 3.2.22 2008R2Plus SSL (64 bit)
Please select the number you want to uninstall: 2
2025/03/07 09:54:48.818: Complete to remove
```

[6] Next, update BRAVIA Signage Server. If you have not set up authentication for BRAVIA Signage Server, set up authentication first. The authentication is enabled by default. However, you may select to disable the authentication. In this case, be aware of the risks before making the selection. (Use a password of 8 or more characters that includes both alphabets and numbers.)

[7] The installation screen is displayed when the authentication settings are complete. Follow the instructions on the screen and perform the BRAVIA Signage Server update.

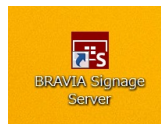


[8] After the update of BRAVIA Signage Server, the configurations are automatically executed.

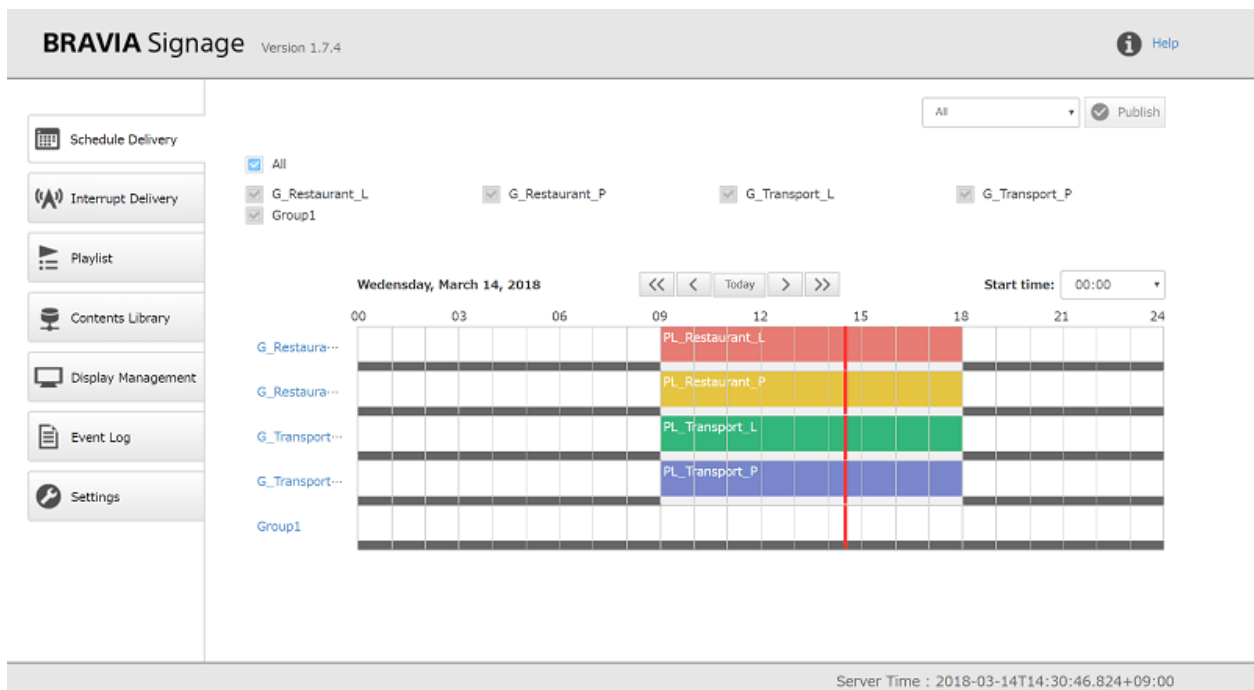


[9] Push the “ENTER” key to close the window.

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



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



Synology NAS

Search for BRAVIA Signage from the Package Center and update. Follow the instructions in the wizard to update the software.

[Note] In Bravia Signage Server 2.0.1, there is a phenomenon reported in which contents in playlists are not played in the specified order.

v2.0.1 requires a patch to be applied. For patches, please contact your BRAVIA Signage (WQ-BS1) distributor's representative.

Responding to data migration failure

If the data migration in [5] fails and the update cannot be completed, you can restore the environment of the previous version by following the procedure below.

Windows

[If the failure occurs when updating from version 1.8.4 to 2.0.0 or later]
Uninstall using the “setup.exe” for version 2.0.0 or later, then perform a new setup using the “setup.bat” for version 1.8.4.

[If the failure occurs when updating from version 1.8.3 or earlier to 2.0.0 or later]

1. Delete “C:/data/db” and “C:/data/log”, then rename “C:/data/db_bk{timestamp}” to “C:/data/db”, and rename “C:/data/log_bk{timestamp}” to “C:/data/log”.
2. After uninstalling using the “setup.exe” for version 2.0.0 or later, perform a new setup using the “setup.bat” for the previous version.

Synology NAS

Start the stopped BRAVIA Signage Server.

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.

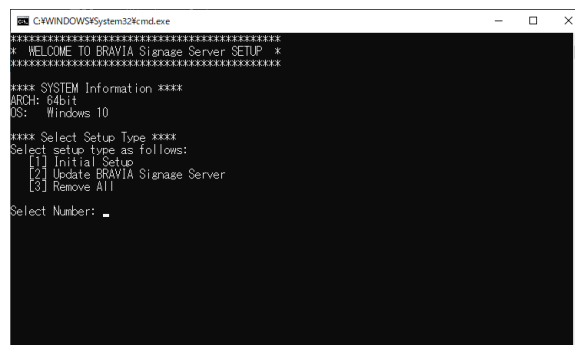
2.3. Uninstall BRAVIA Signage Server

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.

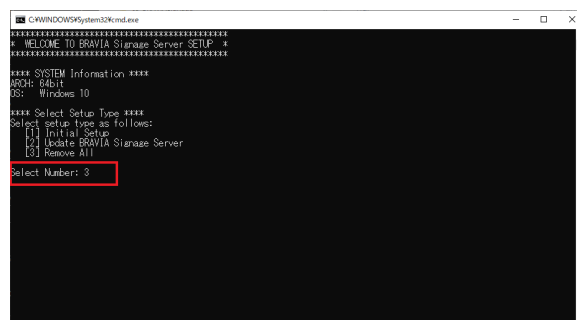
[2] Right-click setup file(*1) in this “windows” folder and select “Run as administrator”. The following window is displayed:

(*1) To uninstall BRAVIA Signage Server version 1.8.4 or earlier, run “setup.bat”. To uninstall BRAVIA Signage Server version 2.0.0 or later, run “setup.exe”.

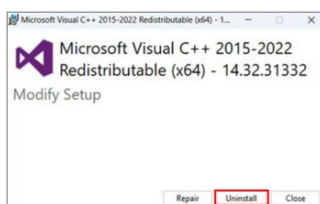


If the directory path name includes half width letters such as ‘@#\$\$%^&()_+~-=`{ }[]’, the above screen cannot be displayed depending on the combination of these letters. If the screen does not display, please confirm the directory path name.

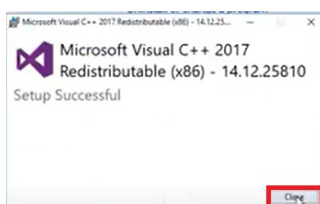
[3] Input “3” and push the “ENTER” key in this window as seen in the following diagram and the installed and configured content are automatically removed.



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

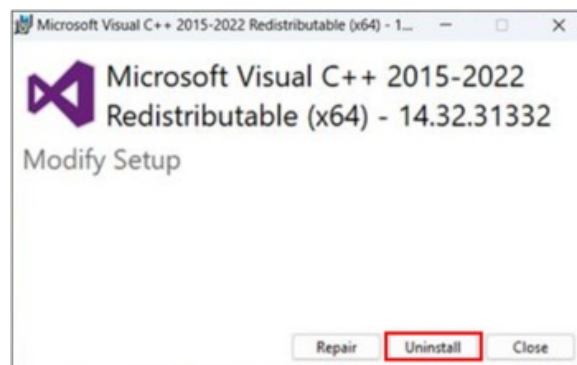


[5] After the uninstallation of “Microsoft Visual C++ 2015 Redistributable(x64)”, push the [close] button.

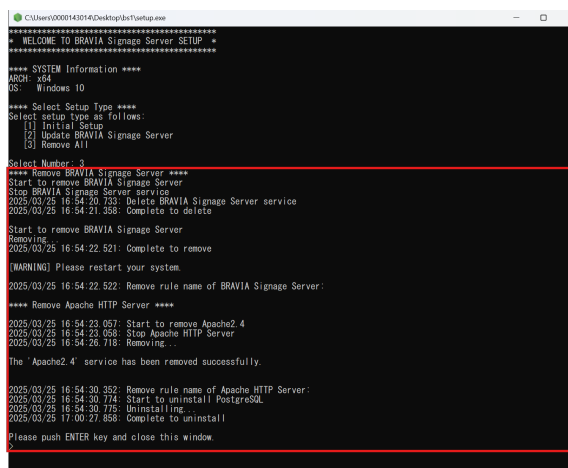


[6] The uninstallation messages for BRAVIA Signage Server, Apache, and Database software are displayed as seen below:

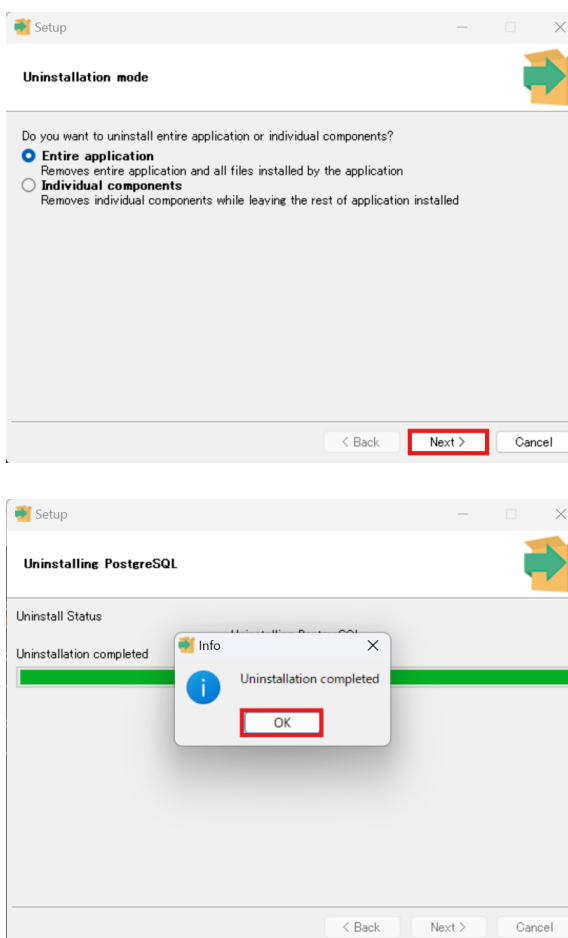
(For BRAVIA Signage Server version 1.8.4 or earlier)



(For BRAVIA Signage Server 2.0.0 or later)



The PostgreSQL uninstallation screen is displayed. Follow the instructions on the screen to perform the uninstallation.



[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(For BRAVIA Signage Server version 1.8.4 or earlier): “C:\data” directory
- the information saved in PostgreSQL(For BRAVIA Signage Server 2.0.0 or later): “C:\data\postgresql” 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 uninstalling 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.

- **About BRAVIA Signage Server management web app version 2.0.0 and later**

When updating from version 1.8.4 or earlier to version 2.0.0 or later, the order of the groups, displays, content libraries, and interrupt delivery will change due to a revision in the database software. The order depends on the locale settings at the time PostgreSQL is installed.

- **BRAVIA Signage Server 2.0.0 Update Notice**

When updating BRAVIA Signage Server from version 1.8.4 or earlier to 2.0.0

If any of the following conditions apply, “Error: migration failed” is displayed and the update may fail. Please install BRAVIA Signage Server 2.0.0 after taking the actions described before updating. If you perform the update and encounter this phenomenon After restoring the previous version by following the procedure described in “What to Do in Case of Data Migration Failure,” retry the following the procedure.

1. If a decimal number is set for the content playback time of the playlist
[Action] Change the playback time to an integer. (BRAVIA Signage Server 2.0.0 does not allow decimals to be entered and it is not possible to revert to decimals.)
2. If the first letter (or the second letter if the same letter is used) of the name in “Display Name”, “Interrupt Delivery Name”, or “Display Group Name” is set as follows
 - Different character types (symbols, numbers, upper-case alphabets, lower-case alphabets, hiragana, katakana, Kanji) are used in a mixed format
 - Example 1 □ Playlist_1, playlist_2, ... (mixed case alphabet)
 - Example 2 □ Playlist 1, Playlist #2, ... (mixed numbers and symbols)
 - Example 3 □ Playlist1, Play_list2, ... (mixed alphabet and symbols)

[Action] Add a sequential number at the beginning of each name. (You can change the name back to the original name after the update)

- Example □ 001 Playlist_1, 002 playlist_2, ...
3. If you are using “Interrupt Delivery” (see “5.3. Execute Interrupt Delivery”)
[Action] Delete all items for interrupt delivery and re-register using the same content.

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 Version 1.7.4 interface. On the left is a sidebar with 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, with a time axis from 00 to 24. A red vertical line marks the current time at approximately 11:35. The grid contains several scheduled items: PL_Restaurant_L (red), PL_Restaurant_P (yellow), PL_Transport_L (green), and PL_Transport_P (blue). Above the grid, there are checkboxes for 'All', 'G_Restaurant_L', 'G_Restaurant_P', 'G_Transport_L', and 'G_Transport_P'. A 'Publish' button is located in the top right corner. The bottom status bar indicates the server time as 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.

2.0.0

- Chapter 2
 - Revised the update and uninstallation procedures.

2.0.1

- Chapter 2
 - Revised the update notice.