BRAVIA Signage Free

User Guide

Version 2.0.10 (0.8)

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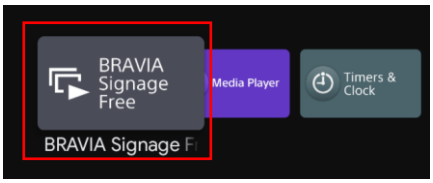
1. Overview

What is BRAVIA Signage Free?

BRAVIA Signage Free (hereinafter referred to as “BSF”) is a pre-installed application that allows you to play contents on the BRAVIA when you copy video, still images, and HTML content files to USB flash memory and insert it to a USB port on the BRAVIA.

Applicable Models: EZ20L series



BSF supports the following three playback modes:

[1] Slideshow playback

When you copy contents such as videos and images to a USB flash memory and insert it to a USB port on the BRAVIA, the BRAVIA automatically starts to play these files. If there are multiple files, they will be played in order of file name.

[2] Playlist playback

You can create playlists with contents that are saved to the USB flash memory inserted to a USB port on the BRAVIA.

Playlists are lists that specify the playback order of contents such as videos, still images, and HTML. For example, if you want to play content in the order of video A, still image B, and video C, the playlist will be in the order of video A, still image B, and video C.

You can create playlists with the remote control of the BRAVIA. If you create playlists beforehand, you can change playback contents just by switching playlists during signage operation.

[3] Scheduled playback

You can create playback schedules and set playback schedules to your created playlists.

You can create schedules and set playlists with the remote control of the BRAVIA. Schedules can be set by setting “Select day of the week”/ “Select date and time”, “Starting time”, and “Ending time”. You can also set it to playback in the same way every day by not setting the day of the week or the date and time.

Feature Overview

In addition to the playback modes above, there are other playback configurations in BSF, and you can configure them all with the remote control of the BRAVIA. Changed configurations are saved at BRAVIA internal storage.

[1] BGM and on-screen text

You can specify BGM and on-screen text to go with playback contents. In on-screen text, you can also specify font color, text background color, and text crawl in. Text background color configuration allows you to select from “none”, “plain”, and “opaque”, but the background color can be fixed or transmitted depending on your selected font color. If the text is long, you can make it scroll from the right side to the left side of the screen using “crawl”.

[2] Transition effects and duration

You can select fade-out and fade-in as transition effects between playback contents, and playback duration for still images and HTML. This duration is never applied to videos. Videos play for their full durations.

[3] Playlists

You can create playlists with contents that are saved to the USB flash memory inserted to a USB port on the BRAVIA. A playlist is composed of a content file, playback duration, on-screen text, and BGM. There is also preview feature to check the playlist while creating it.

[4] Playback schedules

You can create playback schedules and set playback schedules to your created playlists. This allows you to start and stop playlists in accordance with the schedules.

[5] Presentation mode

Normally, playback contents are automatically switched, but you can manually switch them with presentation mode. This allows you to switch contents with the left and right buttons of the remote control after playback has started in all playback modes: slideshow, playlist, and scheduled playback.

Presentation mode = ON: Switch contents with the left and right buttons of the remote control after playback has started

Presentation mode = OFF: Playback contents are automatically switched

[6] Storage

User can choose to playback contents from USB drive or internal storage*.

*Refer 3.4 Content management on the procedure to copy content to internal storage

[7] Import / Export

This function allows user to clone settings and content across multiple displays. Importing is copy from USB drive to internal storage, exporting is the opposite.

- Import contents/settings from media folder of USB drive
- Export contents/settings to USB drive even media folder does not exist (create /media folder if it does not exist in USB drive to store the contents/settings)

[8] Auto-start playback

This function allows playback to start automatically after turning on the BRAVIA's display using remote control or setup power supply. BSF will play all media contents from internal storage or USB flash memory by setting BSF to initial input source.

Procedure:

1. Go to [Settings] > [Pro Settings] > [Initial input source], press enter key on remote control.
2. Select "Android App" from list.
3. Select "BRAVIA Signage Free" from the app list.
4. Select "OK" button on the pop out window.
5. Select "OK" button again on screen.
6. Press <Power> key twice on remote control to conduct RC OFF > RC ON to confirm
7. Playback will be started.

This function support using "autorun.txt" file when USB flash memory is connected or AC power cord is plugged in again.

Procedure:

1. Make sure BSF is not displaying on screen.
2. Create empty file name autorun.txt in /sony folder in the USB flash memory.

3. Insert USB flash memory to the BRAVIA TV.
4. Playback will be started.

Playback will be automatically started whenever turning on the BRAVIA's display by AC power cord plugged in while USB flash memory inserted.

BSF will prioritize "Initial input source" setting before using autorun.txt.

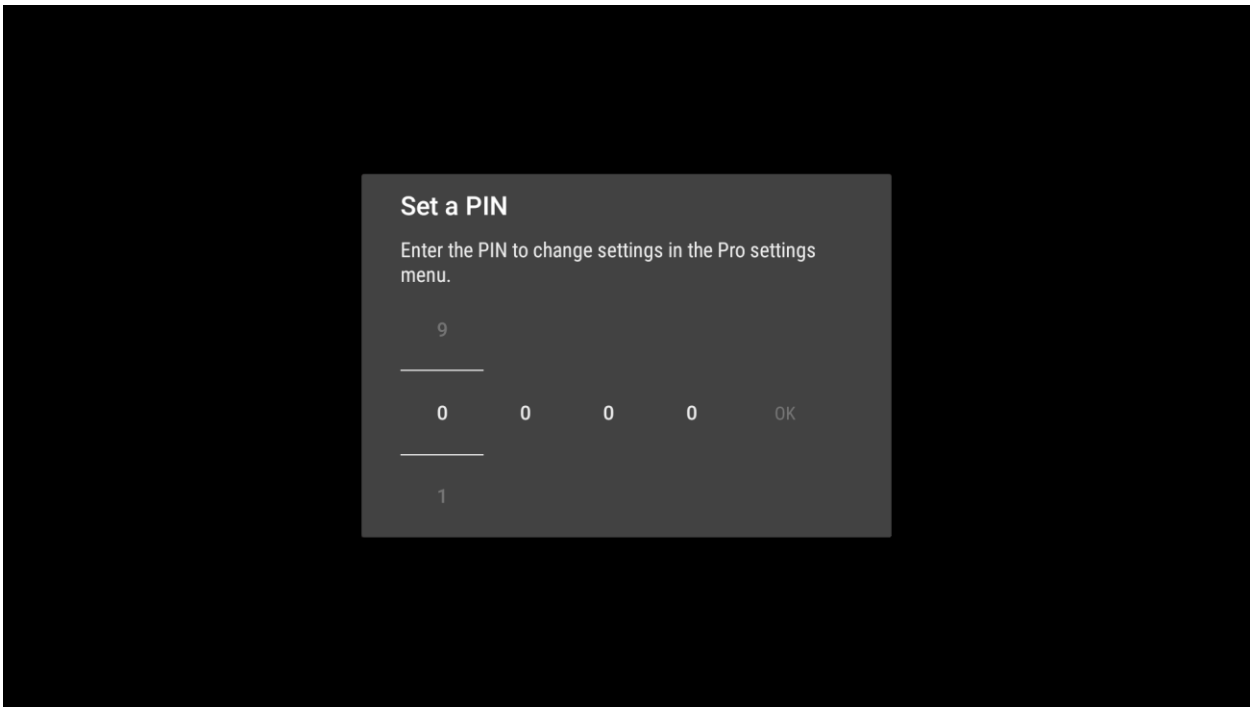
[9] Settings lock

Protect the BSF setting screen with PIN code.

Procedure:

1. Enable Pro Mode Lock under [Settings] > [Pro Settings] > [Lock settings].
2. Enter PIN to lock Pro Settings, including BSF settings.

If a PIN code has been set, the PIN code input will be requested when user attempt to change the BSF settings.



Supported media formats

BSF supports playback of videos, still images, audio (BGM), and HTML. There is a separate document about recommended content formats. Refer to Appendix I. Recommended Media Format as needed when preparing contents.

Video

Supported video formats are as follows:

(1) MP4 format video with the following codecs:

- Video codecs: AVC
- Audio codecs: AAC-LC/HE-AAC

(2) MPEG TS format video with the following codecs:

- Video codec: AVC/MPEG-2
- Audio codecs: AAC-LC/HE-AAC/MP1L2

(3) MP4 format 4K video with the following codecs (The maximum framerate is 3840x2160@30p):

- Video codecs: AVC/HEVC
- Audio codecs: AAC-LC/HE-AAC

Image

Supported image formats are as follows:

- PNG, GIF, JPEG, BMP
- JPEG with 4K resolution

Audio

Supported audio formats are as follows:

(1) MP4 formatted audio with the following codecs: AAC-LC/HE-AAC

(2) MP3 formatted audio with the following codecs: MP3

HTML

BRAVIA also supports playback of HTML contents.

Codec specifications

Specifications of codecs compatible with the above video and audio formats are as follows.

Codec	Specifications
MPEG-4 Part 10 (AVC/H.264)	BP@L3, MP@L4, HP@L4
MPEG-4 Part 10 (4K)	BP@L4.2, MP@L4.2, HP@L4.2
HEVC (4K)	MP@L5.1, M10@L5.1
AAC-LC	32k, 44.1k, 48k/384 kbps (max.)/up to 5.1ch
HE-AAC	32k, 44.1k, 48k/(ISO/IEC 14496-3 compliant/profile level 3)/up to 2ch

Seamless Playback

Seamless playback is a feature to transition content seamlessly without interruption.
BSF supports seamless playback for specific contents.
Refer to Appendix II. Seamless Playback Specifications as needed when preparing contents.

2. What to prepare

Before using this application, it is necessary to prepare the following hardware.

[1] BRAVIA

BRAVIAs which support BRAVIA Signage Free application.

[2] USB flash memory

USB flash memory formatted to NTFS or FAT32 (one USB flash memory is needed for every BRAVIA)

3. Basic use

This section describes the basic use of the three playback modes. Before trying the following procedures, you will need to copy the contents under the media folder of the USB flash memory. The following descriptions are the procedures with sample contents.

[1] Slideshow playback (3.1. Use slideshow playback)

[2] Playlist playback (3.2. Create playlist and play)

[3] Schedule playback (3.3. Configure playback schedule)

3.1. Use slideshow playback

Slideshow playback is the playback mode for playing contents that are saved to a USB flash memory inserted to a USB port on the BRAVIA in order of file name. Still images and HTML (except for videos) are played for a fixed amount of time. You can change this time on the setting screen.

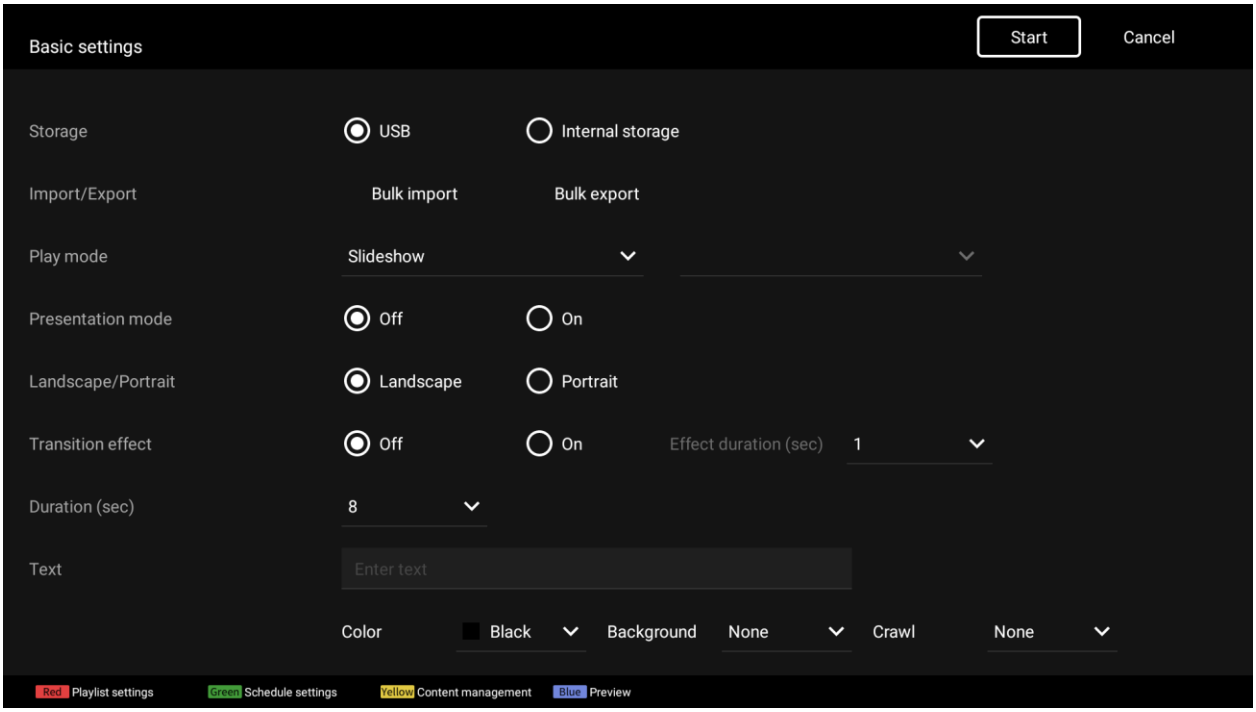
When video and photo content are mixed, photo contents always are displayed in 2K resolution. If you want to display 4K photos in 4K resolution, please use the playlist function.

Procedure to play contents (Required)

[1] Create a media folder in the root folder of the USB flash memory and copy sample contents “01_cosmetic_landscape.jpg” and “02_cosmetic_portrait.jpg” to the media folder.

[2] Insert the USB flash memory to a USB port on the BRAVIA.

[3] Contents copied in step [1] are played in order of file name. If contents do not start playing, check whether [Play mode] on the [Basic settings] screen is set to “Slideshow” or not. The [Basic settings] screen is displayed when you press and hold the “1” button on the remote control of the BRAVIA for 3 seconds when the BRAVIA Signage Free app has been launched.



Playback settings (Optional)

Content playback automatically starts after inserting the USB flash memory, but you can change the playback configuration.

The [Basic settings] screen is displayed when you press and hold the “1” button of the remote control of the BRAVIA for 3 seconds as stated above, but you can change the following settings on this screen. To operate the settings screen, use the left, right, up, and down buttons and the ENTER button of the remote control.

Transition Effect

You can select fade-out and fade-in as a transition effect between playback contents.

Duration

You can select a playback time for all contents. If videos are played, this setting time is not used. The video plays in full duration.

Other settings are described on the following pages.

3.2. Create playlist and play

Playlist playback is the playback mode for playing contents of created and selected playlists.

Playlists are lists that specify the playback order of contents such as videos, still images, and HTML as stated in 1. Overview, and you can create and edit playlists with the remote control of the BRAVIA. You can specify files in the media folder of the root folder of a USB flash memory inserted to the BRAVIA as contents of playlists.

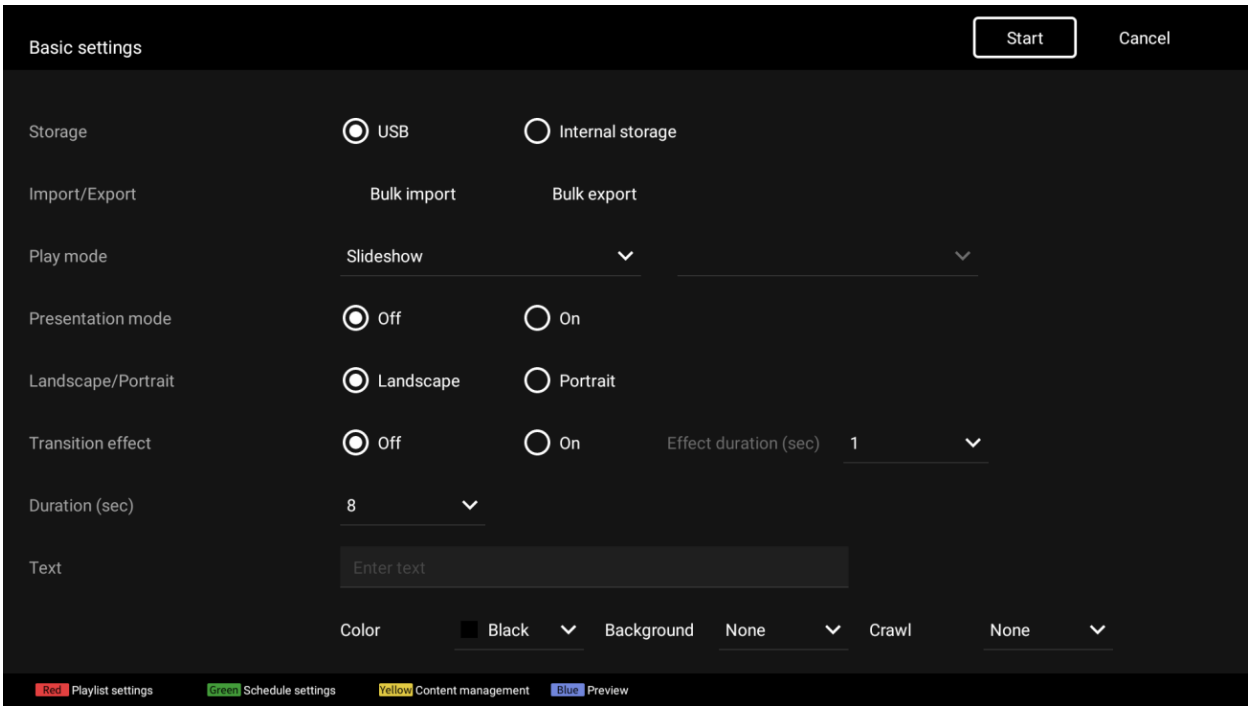
You can operate the following screens with the left, right, up, and down buttons, the ENTER button, and the color buttons of the remote control.

Procedure to create playlists (Required)

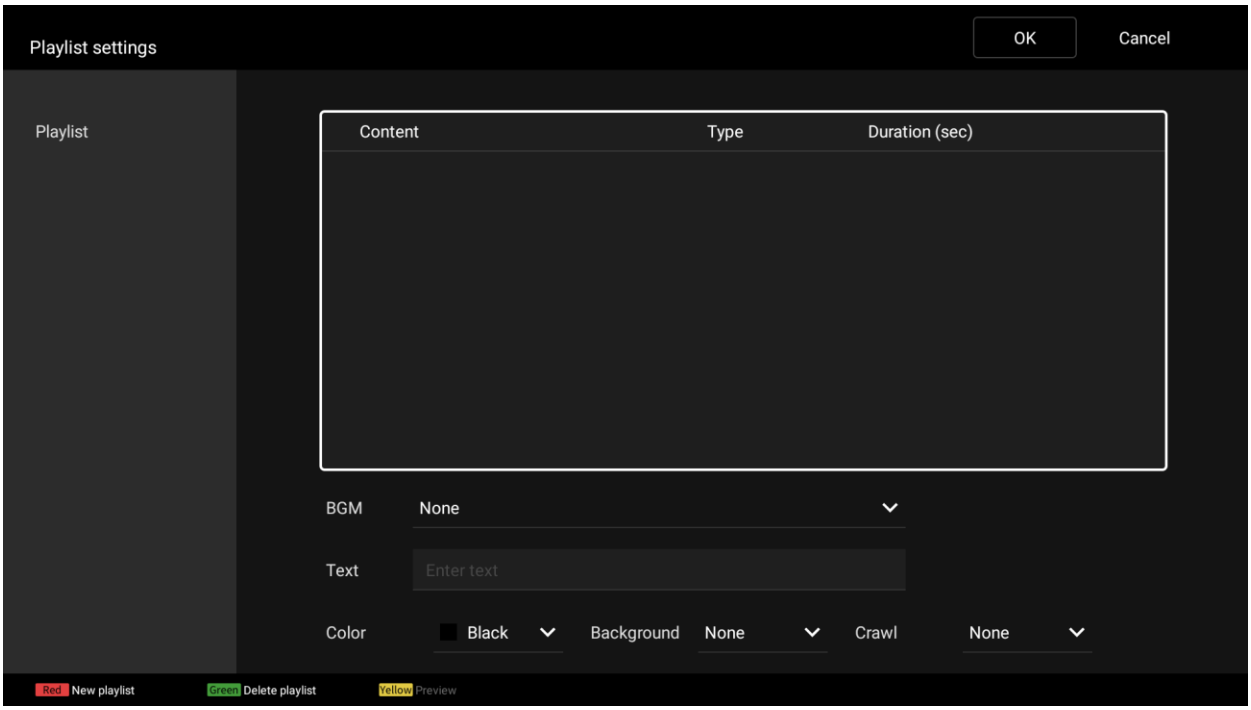
[1] Create a media folder in the root folder of the USB flash memory and copy sample contents “01_cosmetic_landscape.jpg” and “02_cosmetic_portrait.jpg” to the media folder.

[2] Insert the USB flash memory to a USB port on the BRAVIA.

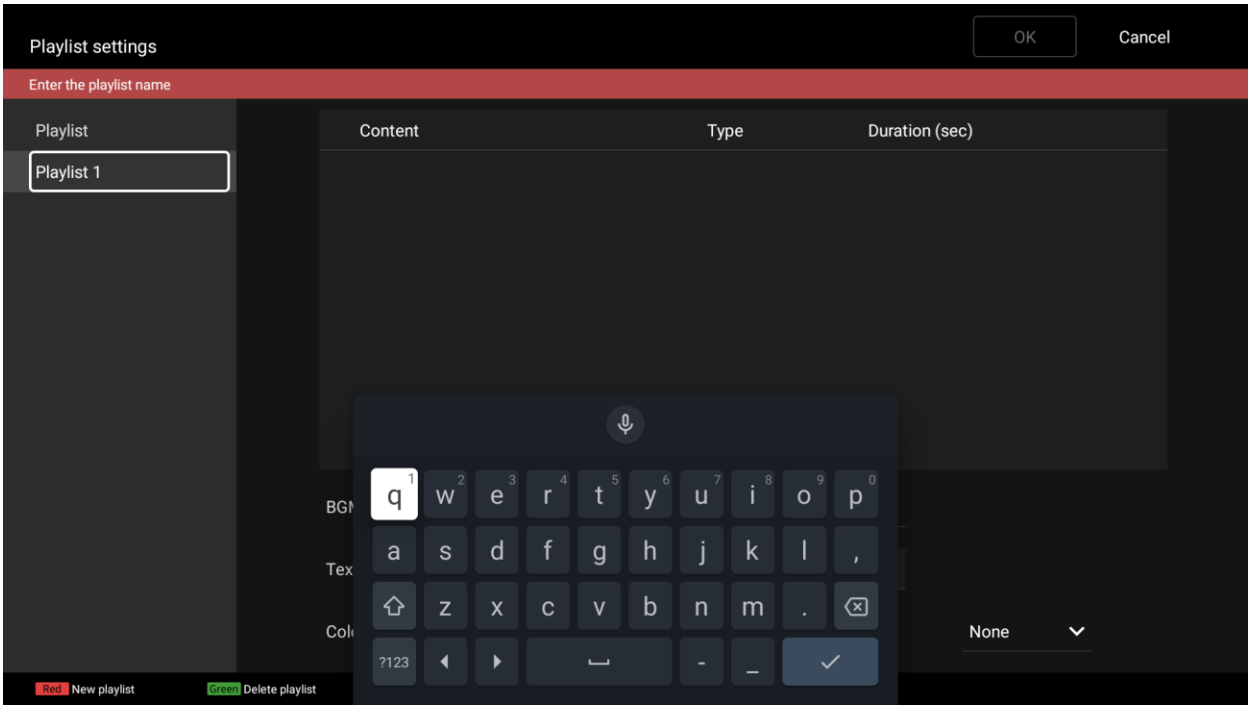
[3] After inserting the USB flash memory, press and hold the “1” button of the remote control of the BRAVIA for 3 seconds when the BRAVIA Signage Free app has been launched and move to the [Basic settings] screen.



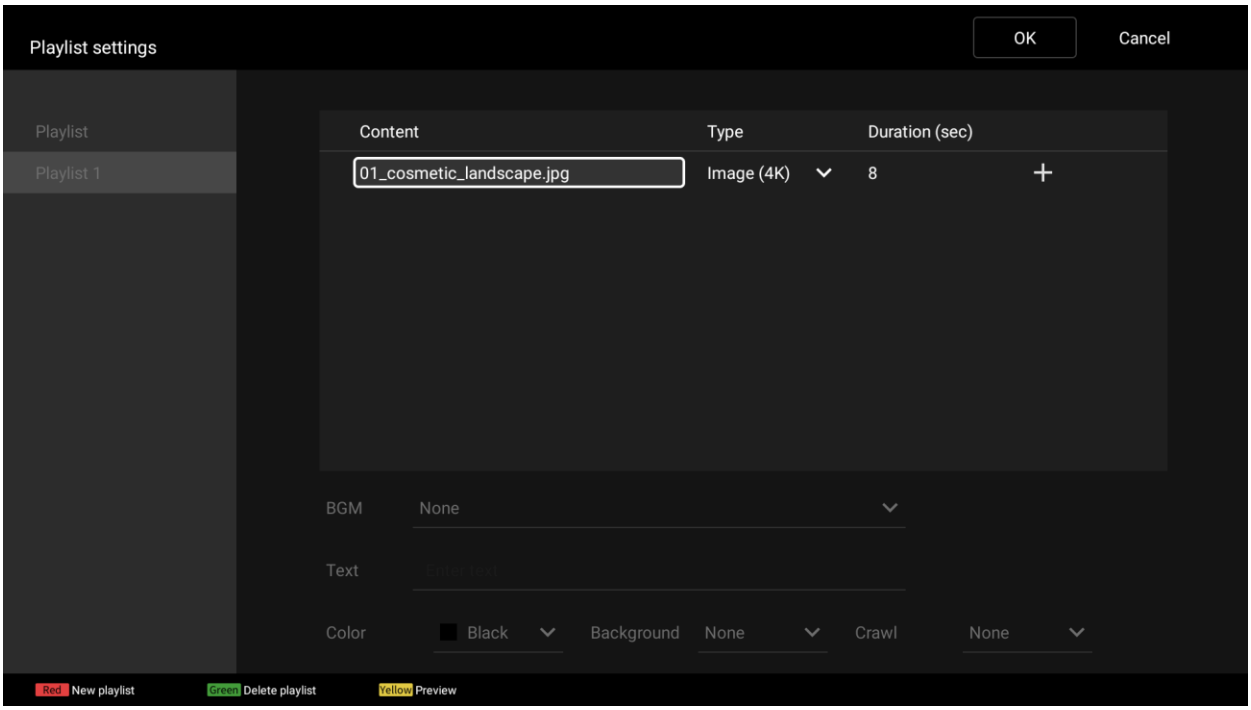
[4] Press the red button of the remote control and move to the [Playlist settings] screen.



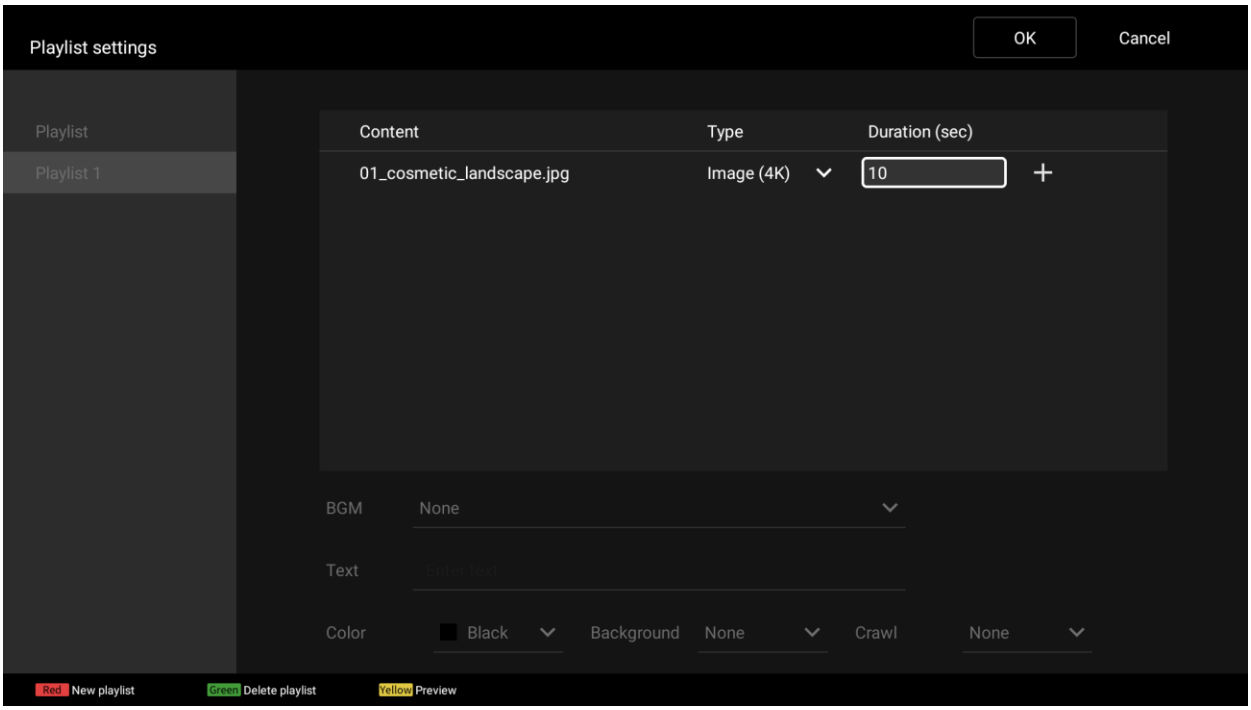
[5] You can create a new playlist by pressing the red button of the remote control on the [Playlist settings] screen. After pressing the red button, a software keyboard is displayed and you can input the playlist's name. For this procedure, input "Playlist1".



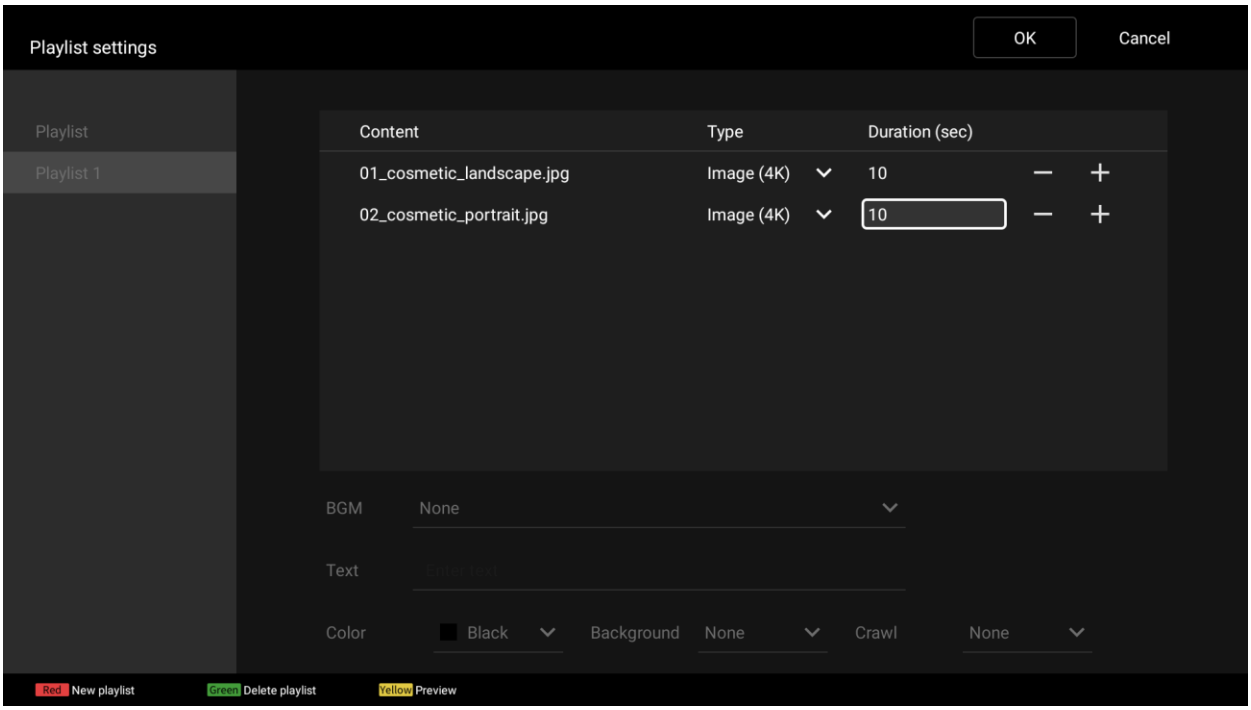
[6] Move to the right on the screen and focus on [Content], then select contents. After selecting your contents, the [Type]* is automatically selected. For this procedure, select "01_cosmetic_landscape.jpg".
*Changing the [Type] for images to support seamless playback. Refer Appendix II. Seamless Playback Specifications for more details.



[7] Next, focus on [Duration(sec)] and select the playback time. For this procedure, select “10”.



[8] Focus on “+” on this screen and press the ENTER button to specify a second content. Select the [Content] and [Duration(sec)] of the second content following the procedure in steps [6] and [7]. For this procedure, select “02_cosmetic_portrait.jpg” as [Content] and “10” as [Duration(sec)].



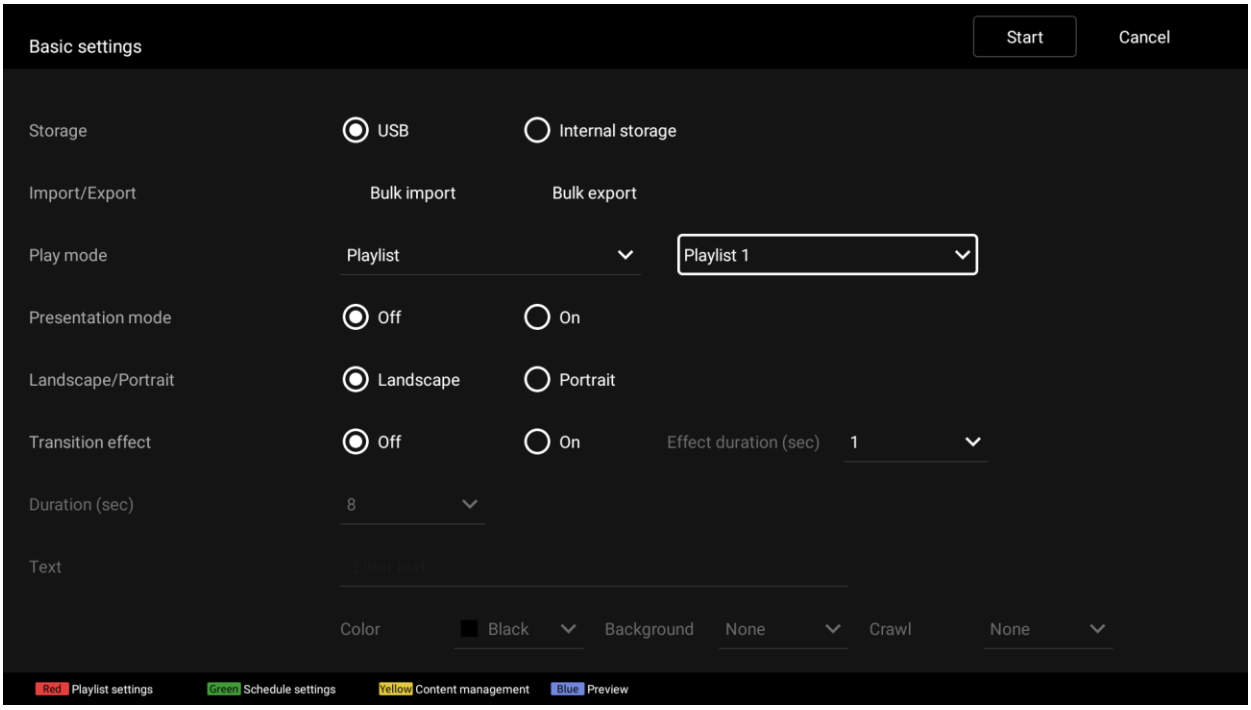
[9] Focus on the [OK] button on this screen and press the ENTER button of the remote control to save your edited playlist data and return to the [Basic settings] screen.

This ends playlist creation. Other settings on this screen are described on the following pages.

Procedure to change playback settings (Required)

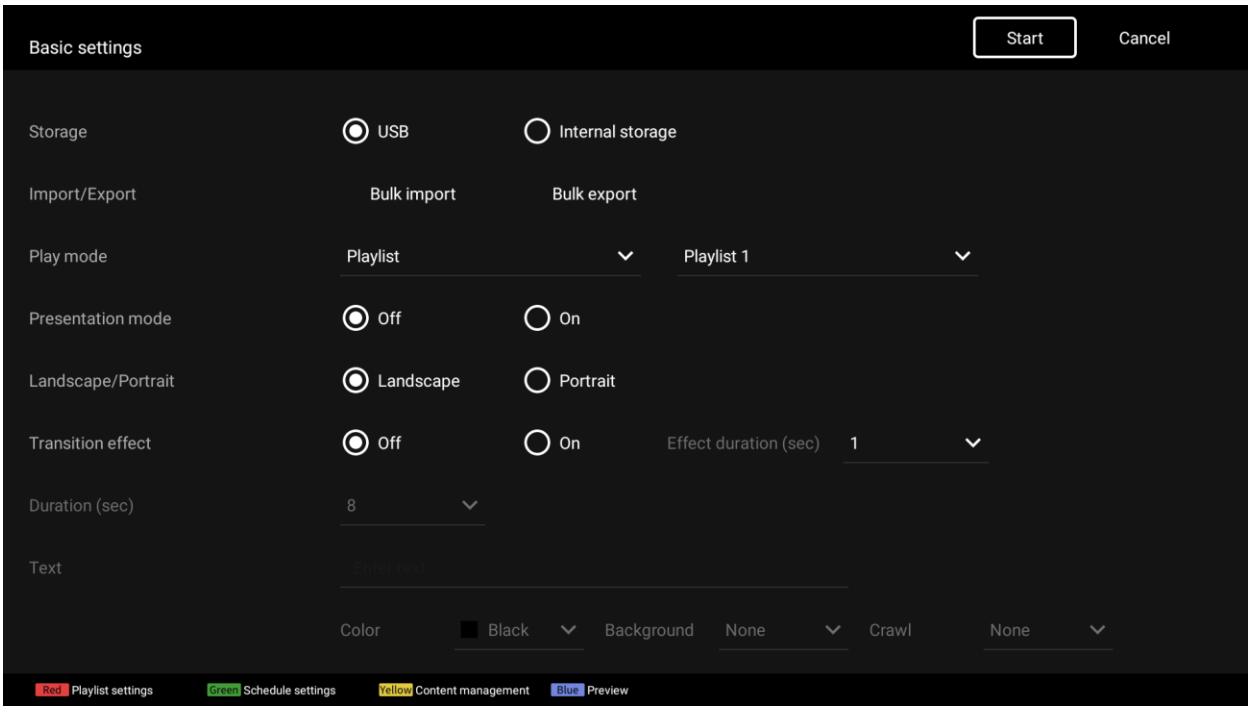
You need to change the playback settings to play the playlist you created above.

[10] Select “Playlist” as [Play mode] on the [Basic settings] screen.



[11] Select the playlist name from the dropdown menu to the right of the [Play mode] setting. For this procedure, select “Playlist1”.

[12] Focus on the [OK] button on this screen and press the ENTER button of the remote control to start playing “Playlist1”.



3.3. Configure playback schedule

Scheduled playback is the playback mode for playing created playlists according to a playback schedule.

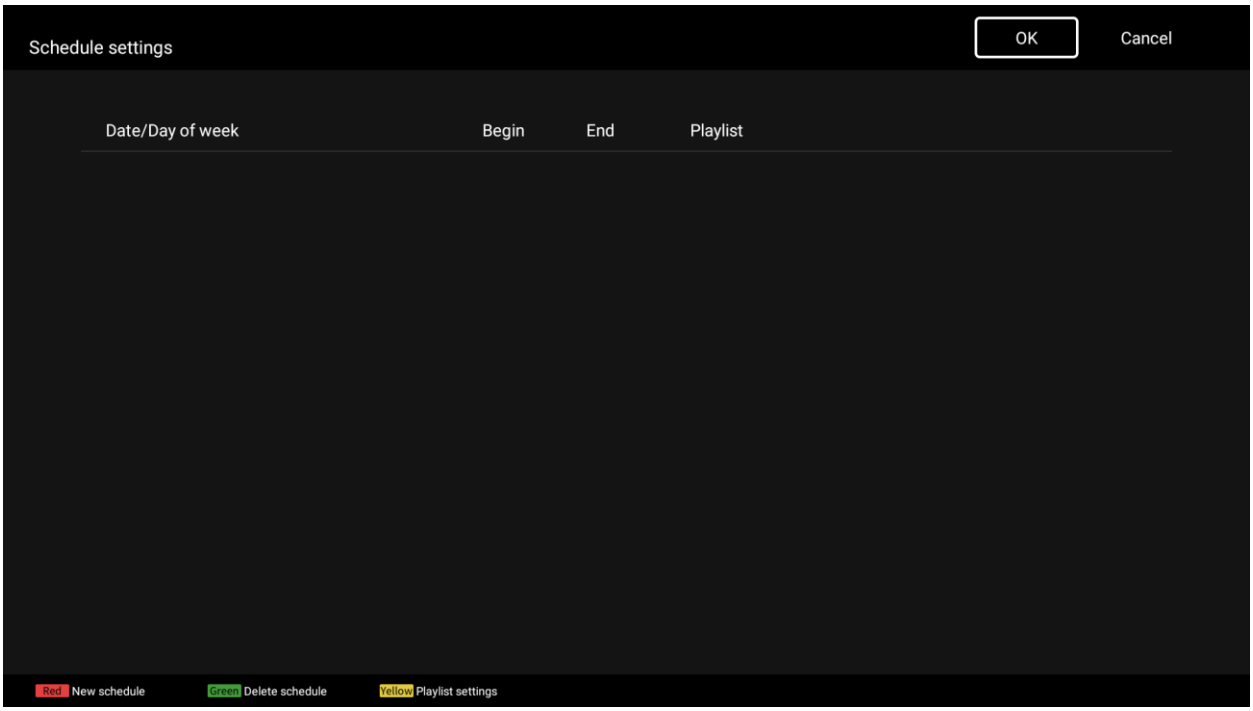
Schedules can be set by setting “Select day of the week”/ “Select date and time”, “Starting time”, and “Ending time”.
You can also set contents to play in the same way every day by not setting the day of the week or the date and time. You can operate the following screens with the left, right, up, and down buttons, the ENTER button, and the color buttons of the remote control.

Procedure to create playlists (Required)

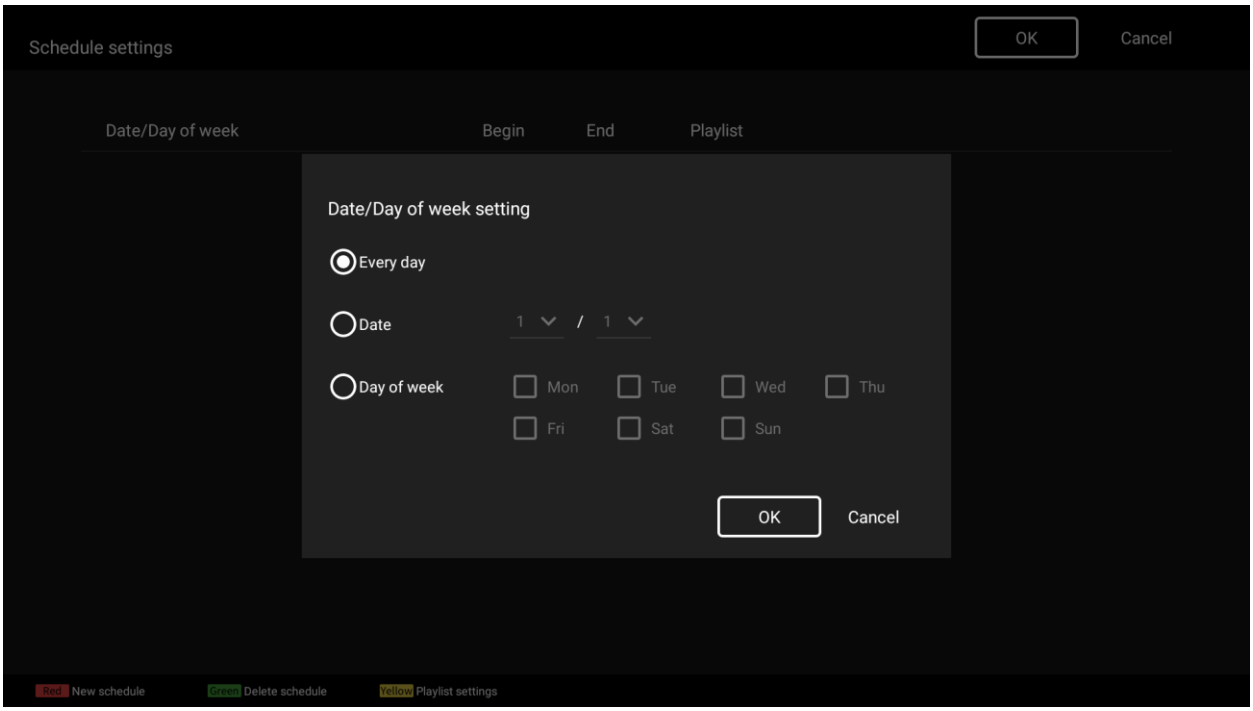
Refer to 3.2. Create playlist and play for the procedure to create playlists.

Procedure to configure schedule (Required)

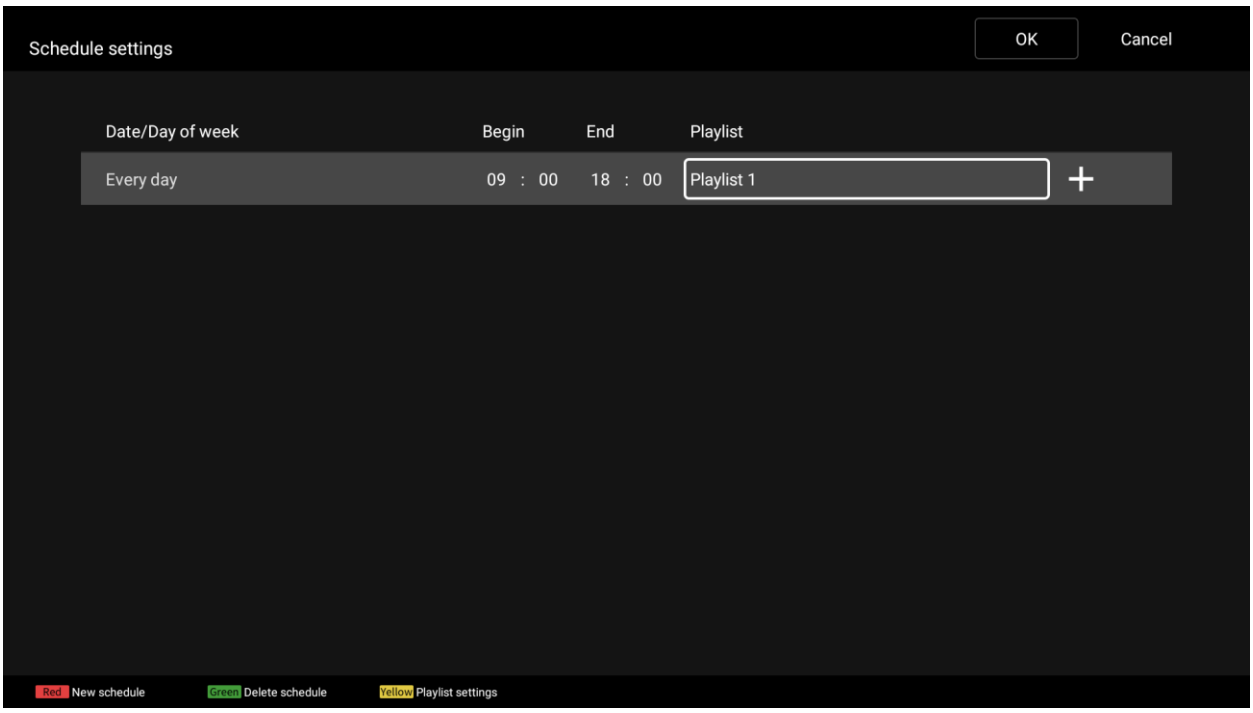
[1] The [Basic Setting] screen is displayed after editing and saving a playlist, press the green button of the remote control on the [Basic settings] screen and move to the [Schedule settings] screen.



[2] You can create a new schedule by pressing the red button of the remote control on the [Schedule settings] screen. After pressing the red button, a dialog is displayed and you can select the schedule type. For this procedure, specify the schedule of “Playlist1” to start playing at “09:00” and stop at “18:00” every day. Enable “Everyday” on the dialog, focus on the [OK] button, and press the ENTER button of the remote control.



[3] Next, focus on the newly added “Everyday” column and pressing the ENTER button of the remote control to edit [Begin], [End], and [Playlist]. For this procedure, select “09:00” as [Begin], “18:00” as [End], and “Playlist1” as [Playlist]. After finishing selection, press the Return button of the remote control.



[4] Focus on the [OK] button on this screen and press the ENTER button of the remote control to save the edited schedule data and return to the [Basic settings] screen.

Scheduled playlist will start according to Priority – “Date” → “Day of week” → “Everyday”. When the playlist finished playing within the scheduled time, playback will continue with the subsequent scheduled playlist. If the begin/end time intercepted, the schedule for lower priority will be cancelled.
If “Date” has been set, the other schedule on the same day will be cancelled.

If the Begin/End time of “Day of week” and “Every day” does not intercept, schedule will be sorted according to Begin Time and playback continuously.

Example 1: Schedule settings with “Date”, “Day of week”, and “Every day”

If “Date” has been set, the other schedule on the same day will be cancelled.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 1 – “Date” schedule with highest priority, at 12:00 and ends at 13:00.
Playlist 2 & Playlist 3 will not play on the same day.
Slot:

1. [Playlist 1] 2/Aug, 12:00-13:00
2. [Playlist 3] Every day (Thu), 14:00 – 20:00
3. [Playlist 3] Every day (Fri), 14:00 – 20:00
4. [Playlist 3] Every day (Sat), 14:00 – 20:00
5. [Playlist 3] Every day (Sun), 14:00 – 20:00
6. [Playlist 3] Every day (Mon), 14:00 – 20:00
7. [Playlist 3] Every day (Tue), 14:00 – 20:00
8. [Playlist 2] Wed, 13:00-14:00. Continue with [Playlist 3] 14:00-20:00
9. Repeat from #2

Date/Day of week	Begin	End	Playlist
2/Aug	12:00	13:00	Playlist 1
Wed	13:00	14:00	Playlist 2
Every day	14:00	20:00	Playlist 3

Example 2: Schedule settings with “Day of week” and “Every day”

If the schedule does not intercept between “Day of week” and “Ever day”, playback will continue for the scheduled set on the same day.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 2 at 11:00 and ends at 14:00.
Playlist 3 will start once Playlist 2 finished playing at 14:00 and ends at 20:00.
Slot:

1. [Playlist 2] Wed, 11:00-14:00 and continue with [Playlist 3] Every day (Wed), 14:00-20:00
2. [Playlist 3] Every day (Thu), 14:00-20:00
3. [Playlist 3] Every day (Fri), 14:00-20:00
4. [Playlist 3] Every day (Sat), 14:00-20:00
5. [Playlist 3] Every day (Sun), 14:00-20:00
6. [Playlist 3] Every day (Mon), 14:00-20:00
7. [Playlist 3] Every day (Tue), 14:00-20:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed	11:00	14:00	Playlist 2
Every day	14:00	20:00	Playlist 3

Example 3: Schedule settings with intercepted schedule “Day of week” and “Every day”

“Day of week” has higher priority compared to “Every day”.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 2 at 12:00 and ends at 13:00.
Playlist 3 will start on the next day at 11:00 and ends at 20:00.
Slot:

1. [Playlist 2] Wed, 12:00-13:00
2. [Playlist 3] Every day (Thu), 11:00-20:00
3. [Playlist 3] Every day (Fri), 11:00-20:00
4. [Playlist 3] Every day (Sat), 11:00-20:00

5. [Playlist 3] Every day (Sun), 11:00-20:00
6. [Playlist 3] Every day (Mon), 11:00-20:00
7. [Playlist 3] Every day (Tue), 11:00-20:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed	12:00	13:00	Playlist 2
Every day	11:00	20:00	Playlist 3

Example 4: Schedule settings with intercepted schedule “Day of week” and “Every day”
“Day of week” has higher priority compared to “Every day”.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 1 at 11:00 and ends at 15:00.
Slot:

1. [Playlist 1] Wed, 11:00-15:00
2. [Playlist 1] Thu, 11:00-15:00
3. [Playlist 1] Fri, 11:00-15:00
4. [Playlist 2] Every day (Sat), 14:00-20:00
5. [Playlist 2] Every day (Sun), 14:00-20:00
6. [Playlist 2] Every day (Mon), 14:00-20:00
7. [Playlist 2] Every day (Tue), 14:00-20:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed, Thu, Fri	11:00	15:00	Playlist 1
Every day	14:00	20:00	Playlist 2

Example 5: Schedule settings with intercepted schedule “Day of week” and “Every day”
“Day of week” has higher priority compared to “Every day”.
Current time is 11:00, 2/Aug, Wednesday.
Slot:

1. [Playlist 1] Wed, 14:00-15:00
2. [Playlist 1] Thu, 14:00-15:00
3. [Playlist 1] Fri, 14:00-15:00
4. [Playlist 2] Every day (Sat), 11:00-20:00
5. [Playlist 2] Every day (Sun), 11:00-20:00
6. [Playlist 2] Every day (Mon), 11:00-20:00
7. [Playlist 2] Every day (Tue), 11:00-20:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed, Thu, Fri	14:00	15:00	Playlist 1
Every day	11:00	20:00	Playlist 2

Example 6: Schedule settings with same schedule “Day of week” and “Every day”
“Day of week” has higher priority compared to “Every day”.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 1 at 14:00 and ends at 15:00 since “Day of week” has higher priority.
Playlist 2 will start and end at the same time on other days in week.
Slot:

1. [Playlist 1] Wed, 14:00-15:00
2. [Playlist 2] Every day (Thu), 14:00-15:00
3. [Playlist 2] Every day (Fri), 14:00-15:00
4. [Playlist 2] Every day (Sat), 14:00-15:00

5. [Playlist 2] Every day (Sun), 14:00-15:00
6. [Playlist 2] Every day (Mon), 14:00-15:00
7. [Playlist 2] Every day (Tue), 14:00-15:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed	14:00	15:00	Playlist 1
Every day	14:00	15:00	Playlist 2

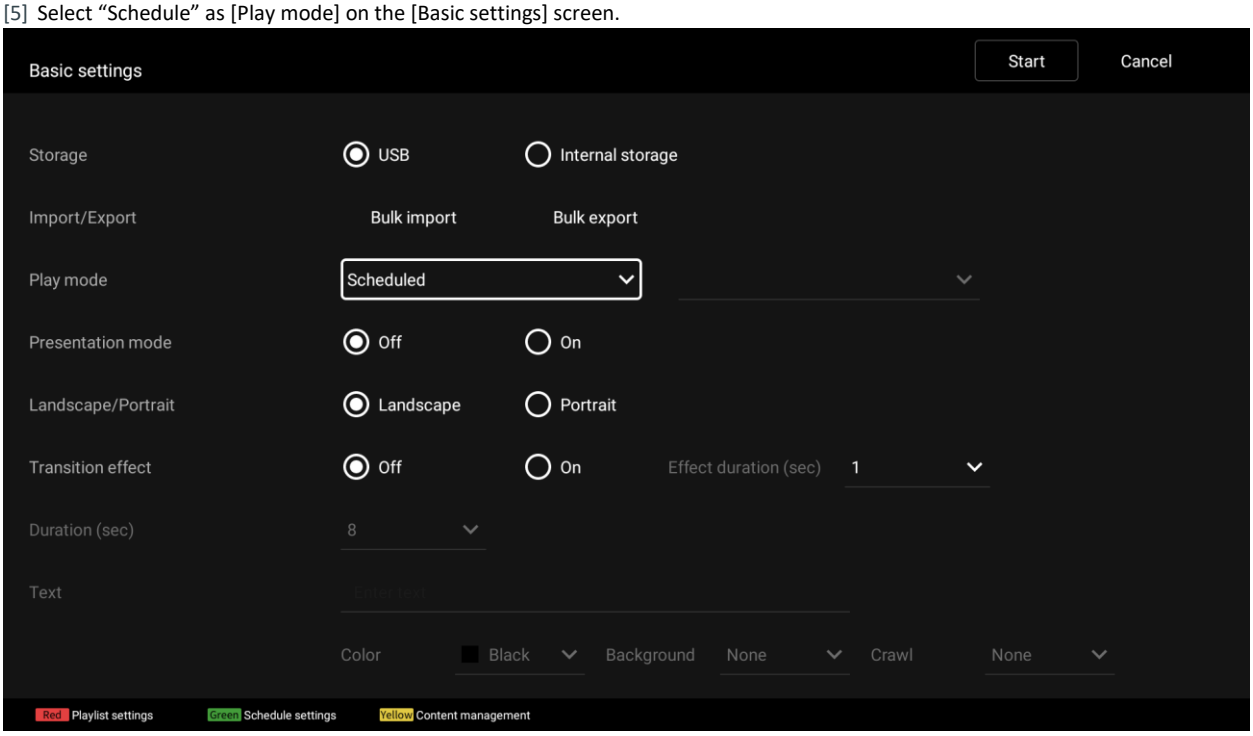
Example 7: Schedule settings with continuous schedule “Day of week” and “Every day”
Playback slot will be sorted for the playback on the same day as long the Begin/End time does not intercept.
Current time is 11:00, 2/Aug, Wednesday.
Schedule playback will start with Playlist 1 at 14:00 and ends at 15:00.
Playlist 2 will start at 15:00 and ends at 20:00.
Slot:

1. [Playlist 1] Wed, 14:00-15:00 and continue with [Playlist 2] Every day (Wed) 15:00-20:00
2. [Playlist 1] Thu, 14:00-15:00 and continue with [Playlist 2] Every day (Wed) 15:00-20:00
3. [Playlist 1] Fri, 14:00-15:00 and continue with [Playlist 2] Every day (Wed) 15:00-20:00
4. [Playlist 2] Every day (Sat) 15:00-20:00
5. [Playlist 2] Every day (Sun) 15:00-20:00
6. [Playlist 2] Every day (Mon) 15:00-20:00
7. [Playlist 2] Every day (Tue) 15:00-20:00
8. Repeat from #1

Date/Day of week	Begin	End	Playlist
Wed, Thu, Fri	14:00	15:00	Playlist 1
Every day	15:00	20:00	Playlist 2

Procedure to change playback settings (Required)

You need to change the playback settings to make the playlist play according to the schedule you created above.
[5] Select “Schedule” as [Play mode] on the [Basic settings] screen.



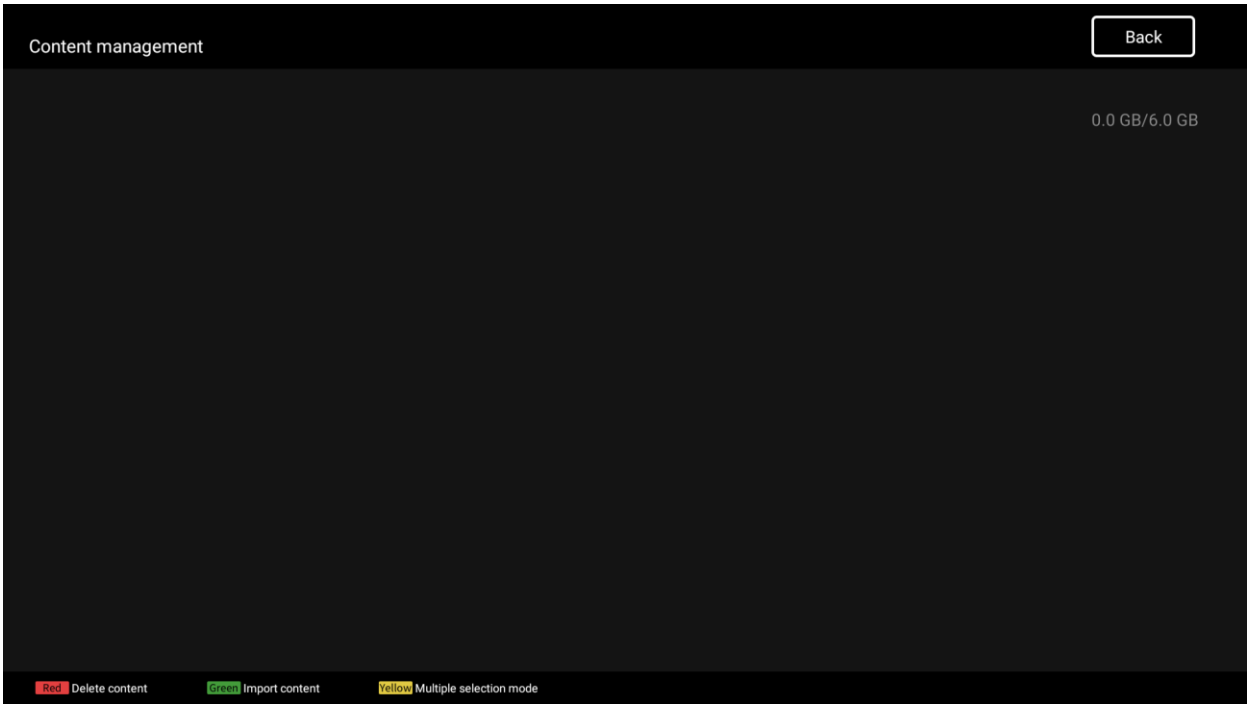
[6] Focus on the [OK] button on this screen and press the ENTER button of the remote control to start playing “Playlist1” according to the schedule created above.

If a playlist does not play according to its set schedule, there may be discrepancies between the date and time configured on the BRAVIA and your edited schedule. If any contents are not played on the BRAVIA, press the DISPLAY button of the remote control. The Date/Time configured on the BRAVIA is displayed at the center of the screen, and the Date/Time of the next playback schedule is displayed at the upper right of the screen as shown below.
Confirm the settings and reconfigure them in accordance with this information.

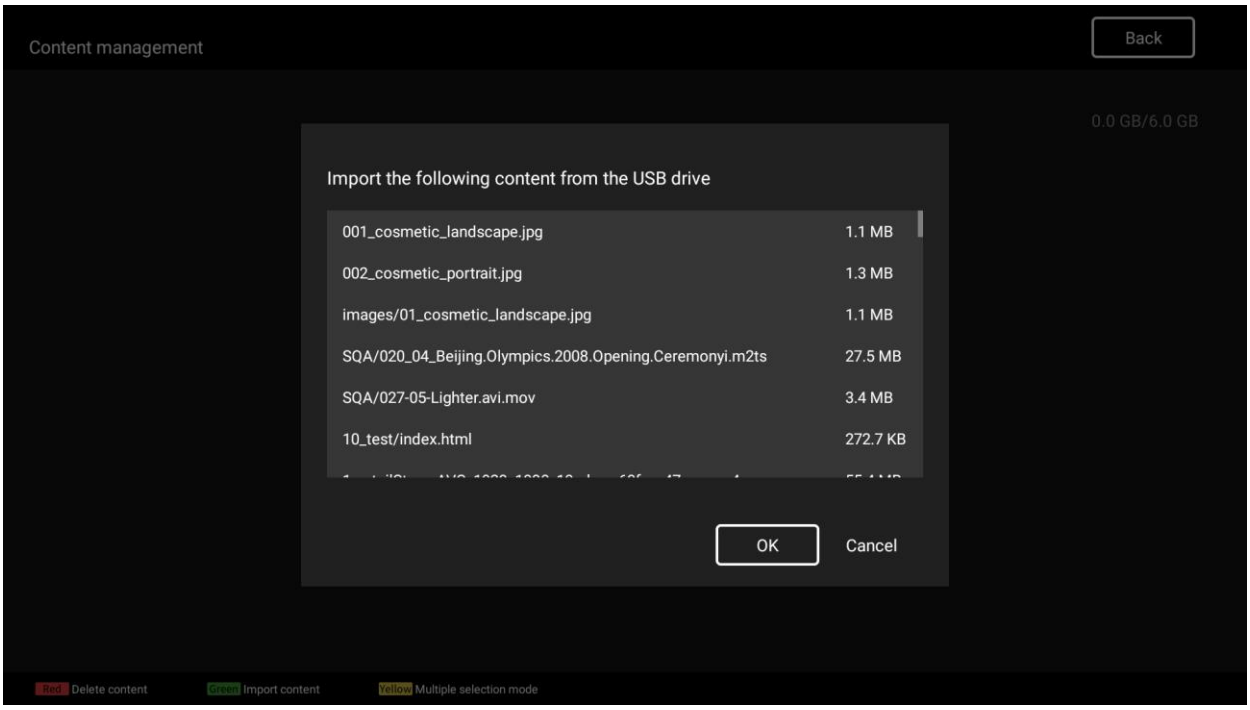
3.4 Content management

BSF support copying and deleting contents copied to internal storage.

Press <Yellow> key on [Basic settings] screen to go to Internal storage management.

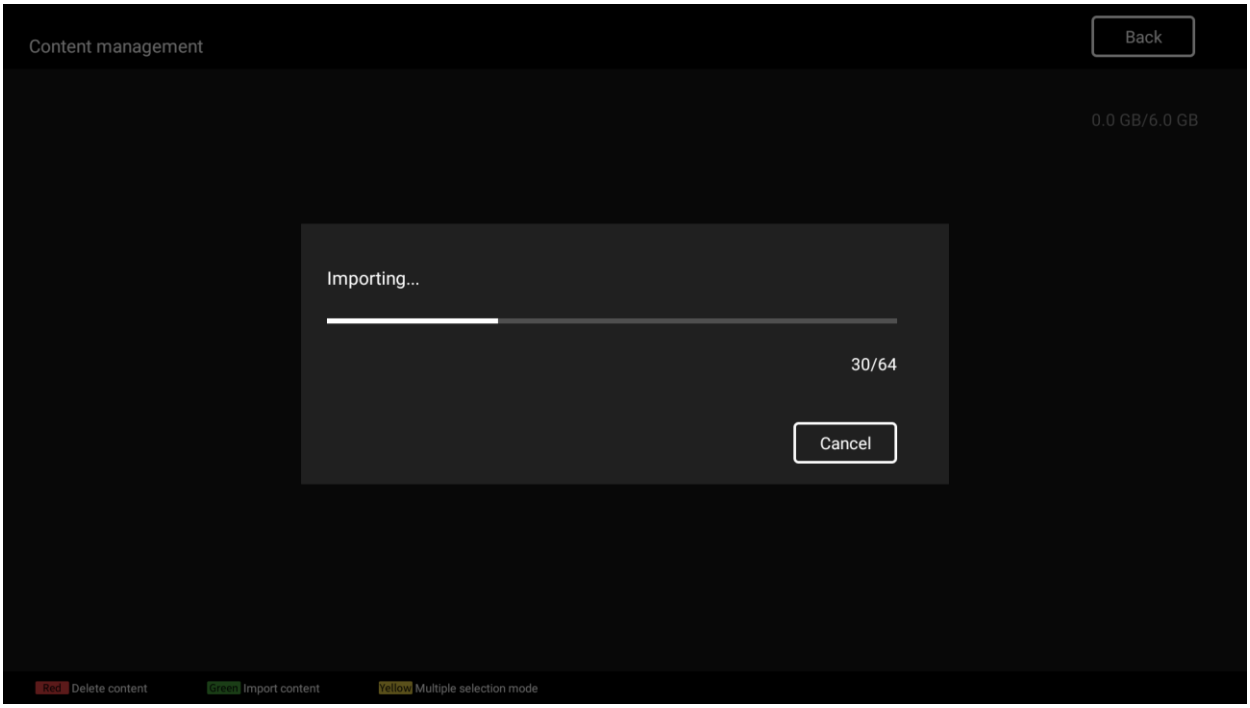


Press <Green> button to import content from USB flash memory to internal storage.

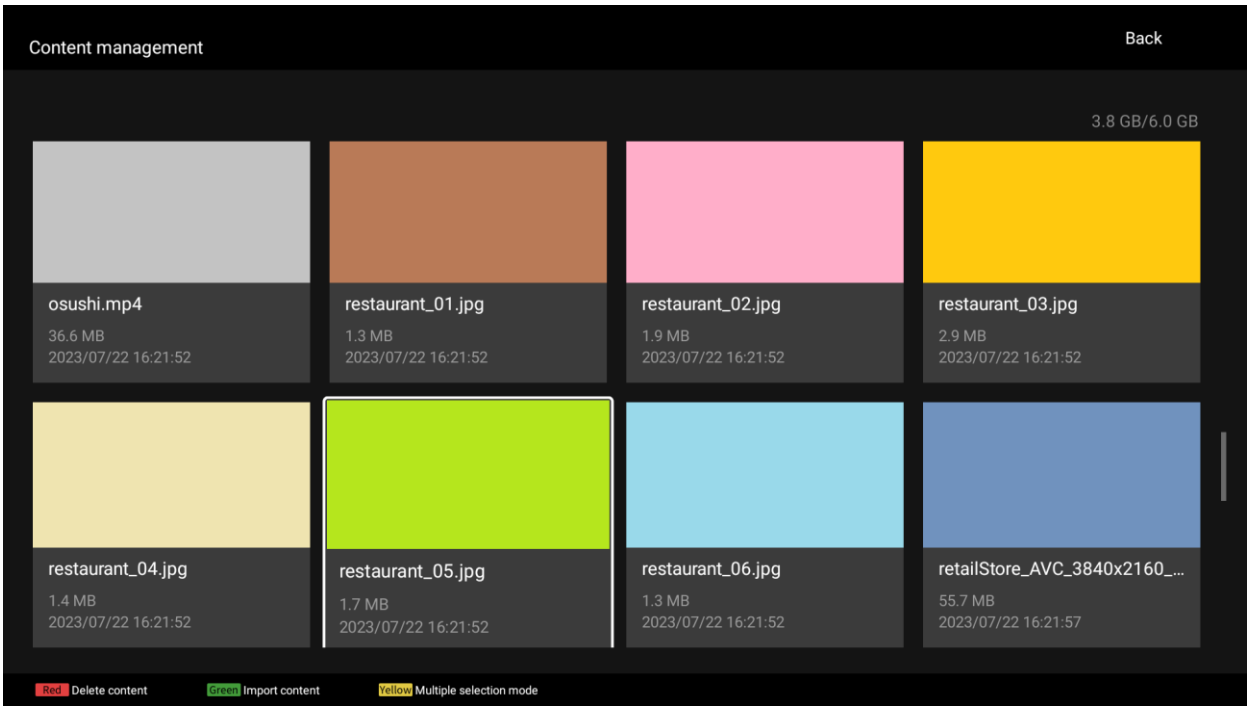


Selecting [OK] will import all contents from USB flash memory to internal storage. There is storage limit set to store the content in internal storage. In case exceeding the limit, import process will be stopped and the copied content will remain.

NOTE: Dialog will be showed after all content is loaded, so longer time will be taken if there are more contents in USB drive.
Example: content size up to 8GB may take 2-3seconds to load

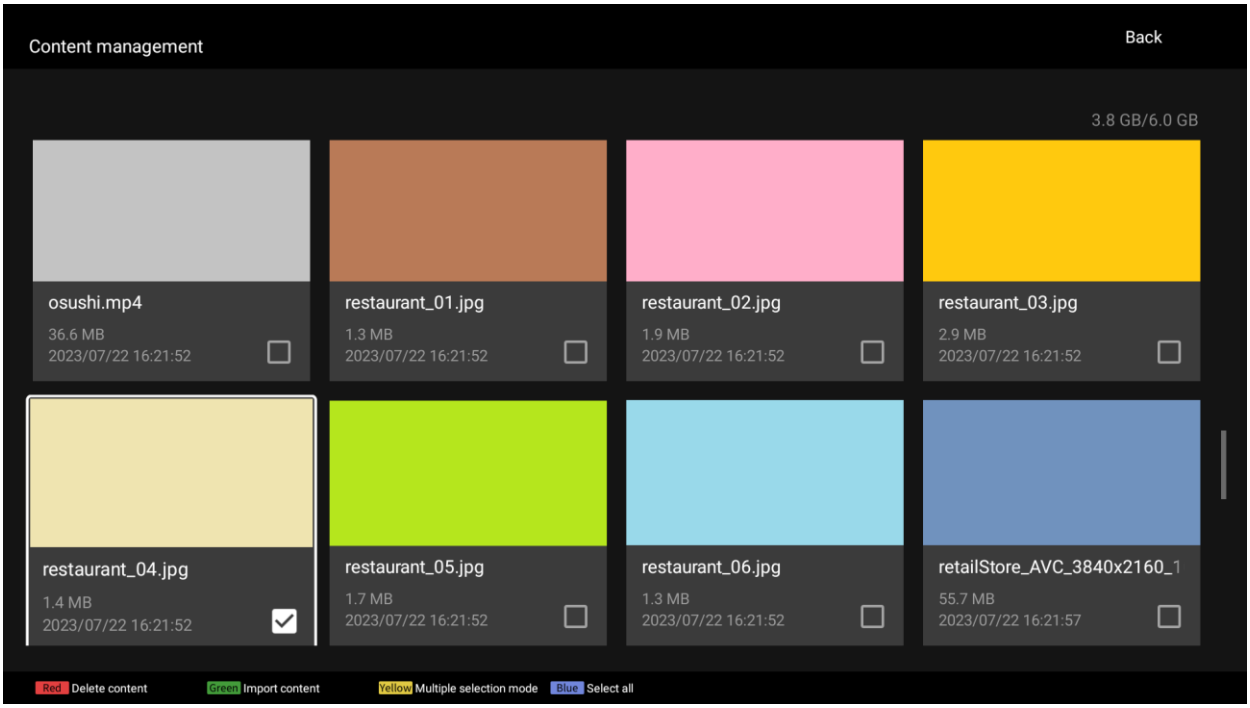


User can browse the copied contents under content management screen.



There are two selections mode:

1. Normal mode (default): select content to view.
2. Selection mode: Press <Yellow> key to switch to selection mode. Select target content to operate – delete.
    - <Blue> key – Select All, displayed only under Selection mode.
    - <Blue> Key – Deselect All, displayed when all content is selected under Selection mode.


Content management
Back
3.8 GB/6.0 GB
osushi.mp4
36.6 MB
2023/07/22 16:21:52
restaurant_01.jpg
1.3 MB
2023/07/22 16:21:52
restaurant_02.jpg
1.9 MB
2023/07/22 16:21:52
restaurant_03.jpg
2.9 MB
2023/07/22 16:21:52
restaurant_04.jpg
1.4 MB
2023/07/22 16:21:52
restaurant_05.jpg
1.7 MB
2023/07/22 16:21:52
restaurant_06.jpg
1.3 MB
2023/07/22 16:21:52
retailStore_AVC_3840x2160_1
55.7 MB
2023/07/22 16:21:57
Red Delete content
Green Import content
Yellow Multiple selection mode
Blue Select all

4. Advanced use

This section describes how to change playback settings not described in 3. Basic use. The following descriptions are the procedures with sample contents. The following descriptions are the procedures with sample contents.

[1] On-screen text (4.1. Show on-screen text)

[2] BGM (4.2. Play with background music)

[3] Presentation mode (4.3. Use presentation mode)

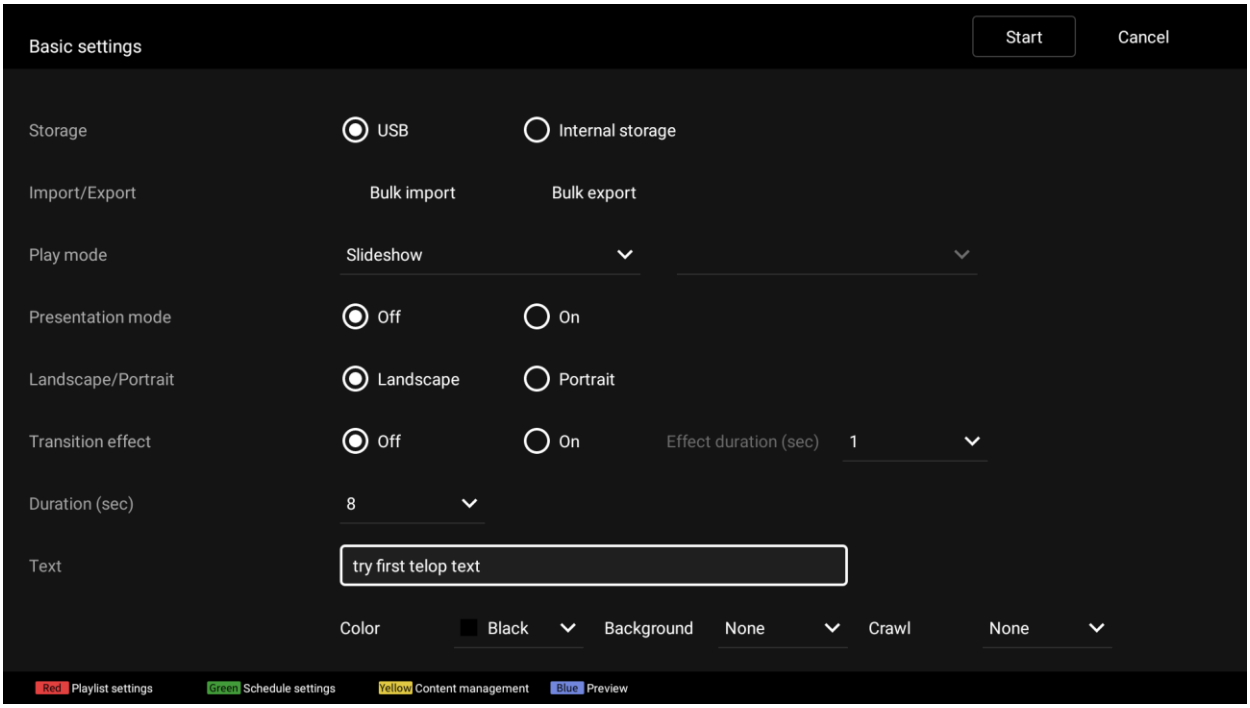
4.1. Show on-screen text

You can specify on-screen text on playback contents in all playback modes: slideshow, playlist, and scheduled playback. This section describes the procedure.

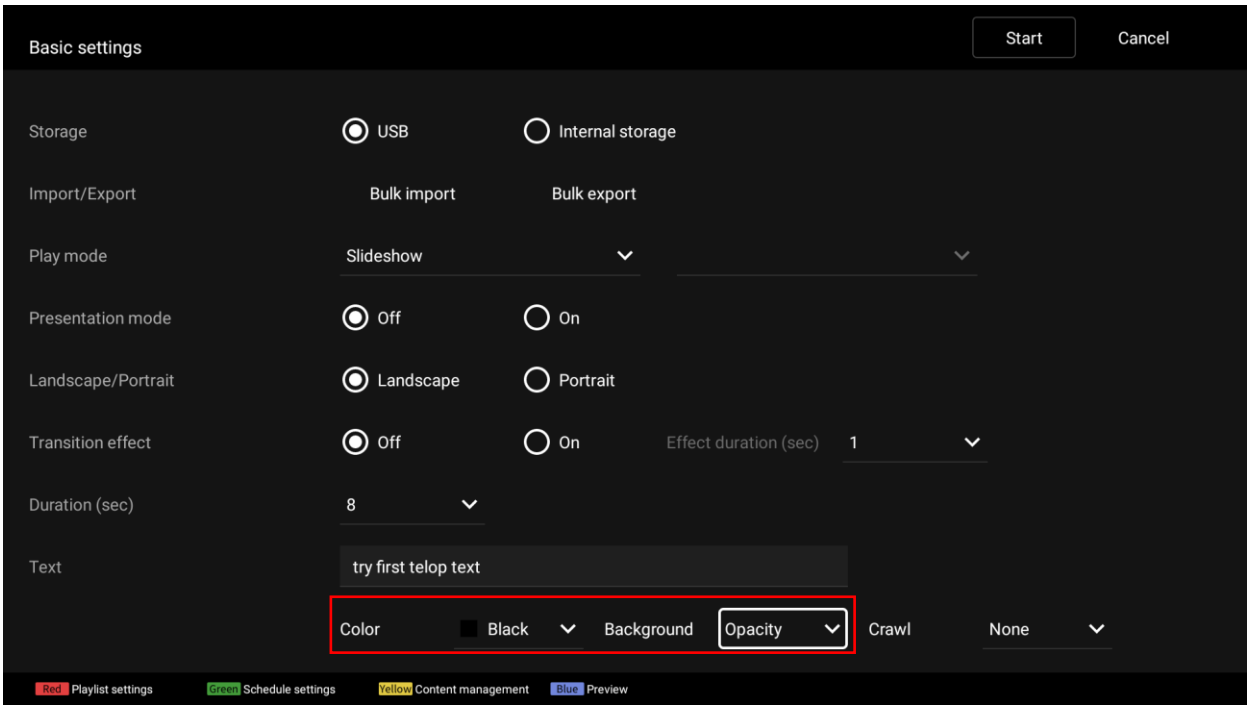
Slideshow playback

[1] Execute steps [1] to [3] in 3.1. Use slideshow playback.

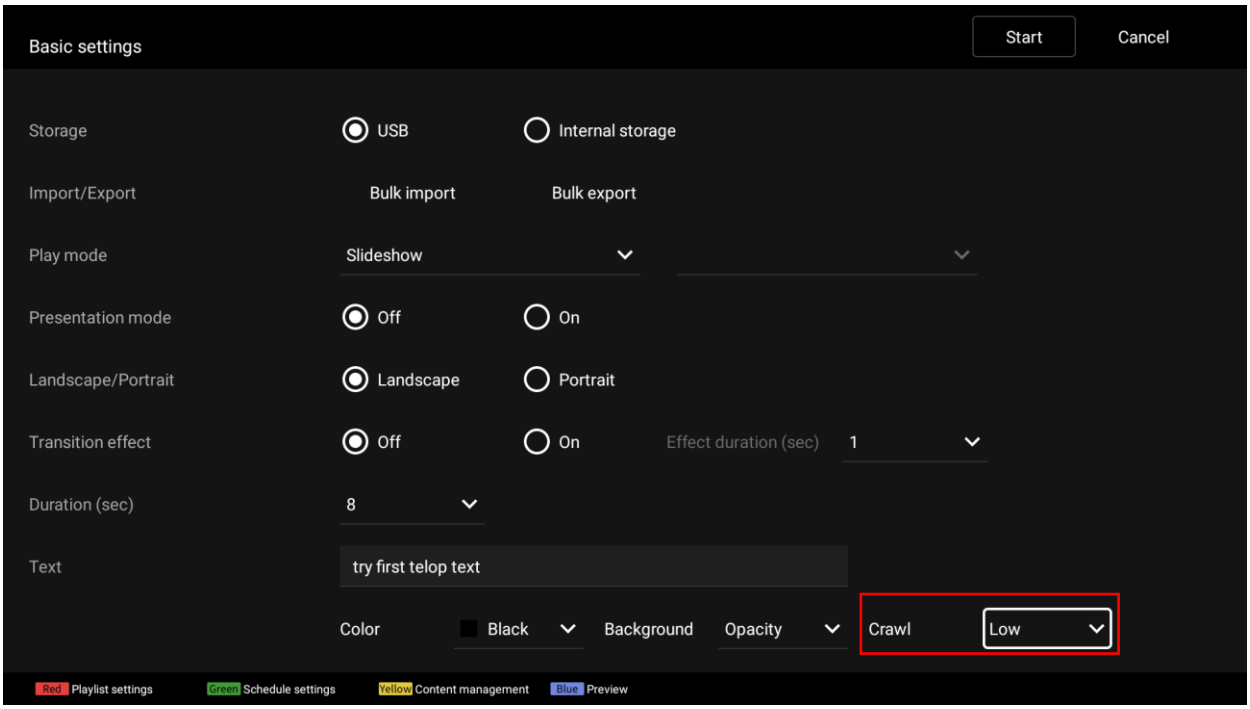
[2] Move to the [Basic settings] screen and specify the [Text] for [On-screen text]. Focus on [Text] and press the ENTER button of the remote control to specify on-screen text. For this procedure, enter “Try first telop text.”



[3] Next, you need to select the [Color] and [Background]. For this procedure, specify “Black” and “Opaque”. If [Background] is set to “Plain” or “Opaque”, the background color can be fixed or transmitted depending on your selected font color.



[4] Next, you need to set the [Crawl]. For this procedure, specify “Low”. If you specify an option other than “None”, on-screen text displayed scrolls from right to left during content playback.



[5] Focus on the [OK] button on this screen and press the ENTER button of the remote control to save edited settings and return to the content playback screen. Check whether “Try first telop text” is displayed at the bottom of the screen with playback content.

Playlist or schedule playback

[1] Execute steps [1] to [9] in 3.2. Create playlist and play.

[2] Configure the [On-screen text] on the [Playlist settings] screen as in steps [2] to [4] in “Slideshow” above. One onscreen text can be configured for each playlist.

[3] Execute steps [9] to [11] in 3.2. Create playlist and play. Check whether “Try first telop text” is displayed at the bottom of the screen with playback content.

4.2. Play with background music

You can specify background music (BGM) on playback contents in all playback modes: slideshow, playlist, and scheduled playback. This section describes the procedure.

The specified BGM is played while still images are played, but BGM is not played while videos and HTML are played.

Slideshow playback

[1] Execute step [1] in 3.1. Use slideshow playback.

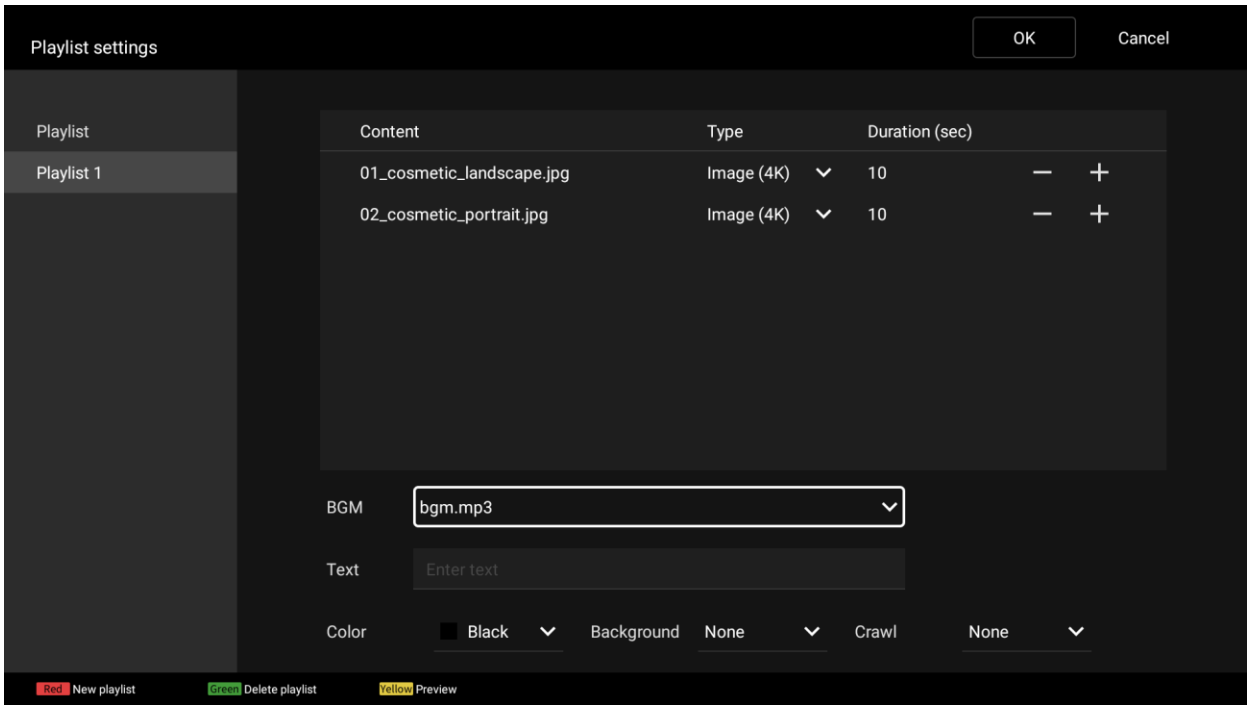
[2] Copy the audio file to be used as BGM to the media folder of the USB flash memory. For this procedure, copy sample content “bgm.mp3”.

[3] Execute steps [2] and [3] in 3.1. Use slideshow playback. Check whether audio is output during content playback.

Playlist or schedule playback

[1] Execute steps [1] to [8] 3.2. Create playlist and play.

[2] Focus on [BGM] on the [Playlist settings] screen and specify the audio file to be used as BGM. For this procedure, specify “bgm.mp3”.



[3] Execute steps [9] to [11] in 3.2. Create playlist and play. Check whether audio is output during content playback.

4.3. Use presentation mode

If you enable presentation mode, you can manually switch to previous or following content with the left/right button of the remote control in all playback modes: slideshow, playlist, and scheduled playback.

How to use

When you select “ON” for [Presentation mode] on the [Basic settings] screen and focus on the [OK] button on this screen, press the ENTER button of the remote control, the mode is changed.

After you change the mode and return to the content playback screen, you can switch the contents with the left/right button of the remote control.

5. Supplementary information and cautionary notes

This section describes supplementary information and cautionary notes that should be reviewed when using this software. Refer to 3. Basic use, 4. Advanced use, or error messages displayed on the screen of the BRAVIA for basic use.

Content Playback

Slideshow playback

Content files with names that start with "." or contain "#" cannot be played.
To play HTML content, you need to copy the content to the media folder of a USB flash memory as follows:

- Create a folder, then name the HTML file that is the entry point "index.html" and put it in the folder. If there is no HTML file named "index.html", videos and still images that an HTML file refers to are played in the same way as regular videos and still images.
- Videos and still images in the media folder are played in order of file name, but folders containing a file named "index.html" are used for HTML content.

For example, if the following media folders were copied to the root folder of the USB flash memory, each content would be played in the following order:

1. 1_file.jpg
2. 2_file.mp4
3. 4_dir/index.html
4. 5_dir/0_dir/index.html
5. 1_file.jpg
6. 2_file.mp4
7. 6_dir/index.html

```
media
  + 1_file.jpg
  + 2_file.mp4
  + 3_file.html
  |
  + 4_dir
  | + index.html
  |
  + 5_dir
  | + 0_dir
  | |  + file.jpg
  | |  + file.mp4
  | |  + index.html
  | |
  | + 1_file.jpg
  | + 2_file.mp4
  | + 3_file.html
  | + 4_file.css
  |
  + 6_dir
    + 0_dir
    |  + file.jpg
    |  + file.mp4
    |  + sub.html
    |
    + 1_file.jpg
    + 2_file.mp4
    + 3_file.css
    + index.html
```

If you copy multiple audio files to the media folder in the root folder of the USB flash memory, the audio files are played as BGM in order of file name. Ordering details are the same as above.

Schedule playback

With scheduled playback, the playlist stops playing at the scheduled end time, even if it is in the middle of playback.

If the scheduled begin time arrives and the playlist does not start, the schedule may differ from the date/time set to the BRAVIA. In that case, press the DISPLAY button of the remote control to display the date/time set to the BRAVIA at the center of the screen and the begin time of the next scheduled playback is displayed at the upper right of screen. Use this information to check and change the settings as required.

BGM

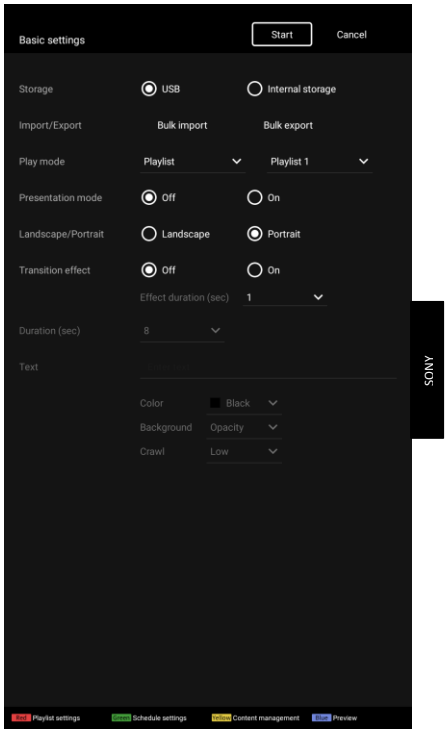
BGM is played while still images and HTML are played. BGM is not played while videos and HTML are played.
When the BGM starts playing, the display of the content being played may be interrupted for a moment. For operation, we recommend using BGM which has a sufficiently long playback time.

Others

When switching contents, a black image may occur due to loading.
When the video starts playing, there may be no sound output for the first second. When operating video content, it is recommended to use content without audio at the beginning, such as by delaying the audio start time.

[Basic settings] screen

[Landscape/Portrait] setting is used to rotate the configuration of displayed content as well as the on-screen text to match landscape or portrait orientation.

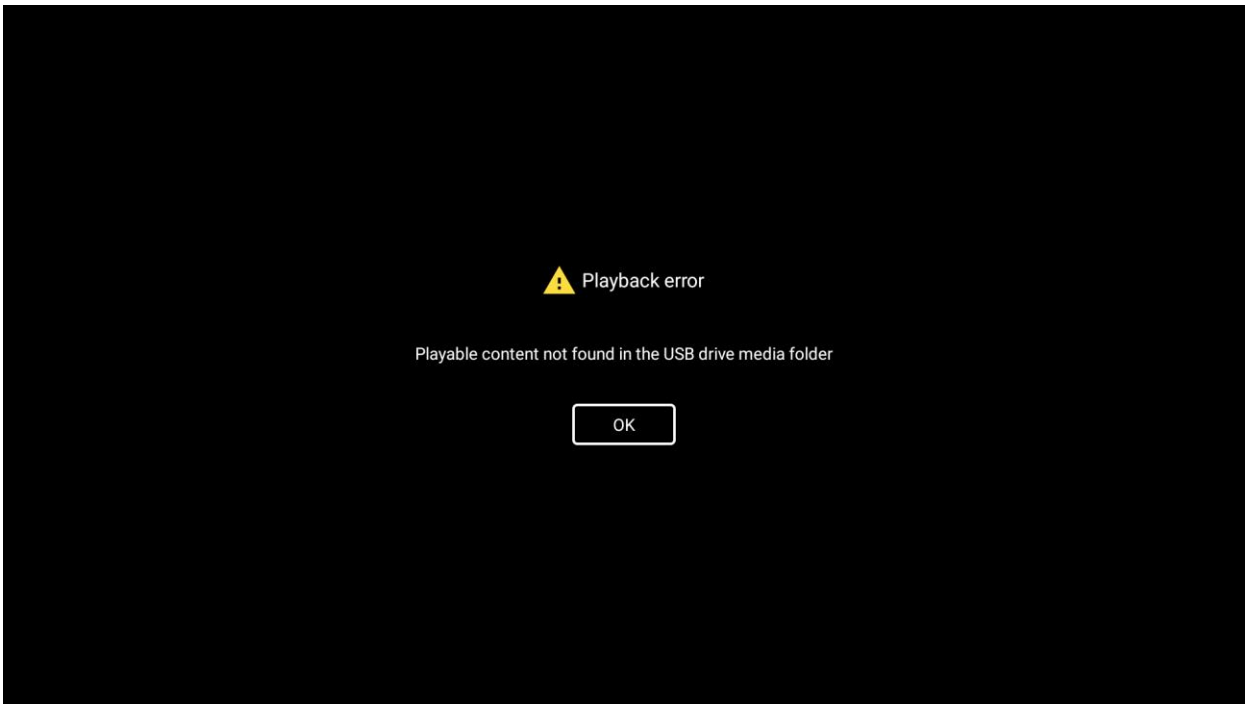


[Playlist settings] screen

You cannot select content files whose file names contain “#” from [Content] because such contents cannot be played.

The [Type] is automatically selected according to the content file extension, but the BRAVIA does not differentiate between “Image” and “Image (4K)”. When you select a still image file as [Content], “Image(4K)” is automatically selected.

After creating a playlist, you cannot edit the playlist’s name. You select from content files saved to the USB flash memory when you edit [Content] on the [Playlist settings] screen. If you change the file paths of content files saved to the USB flash memory after editing the playlist, the contents will not be played. In such a case, the following screen will be displayed when you insert the USB flash memory. Check the playlist settings and the content file paths saved to the USB flash memory.



[Schedule settings] screen

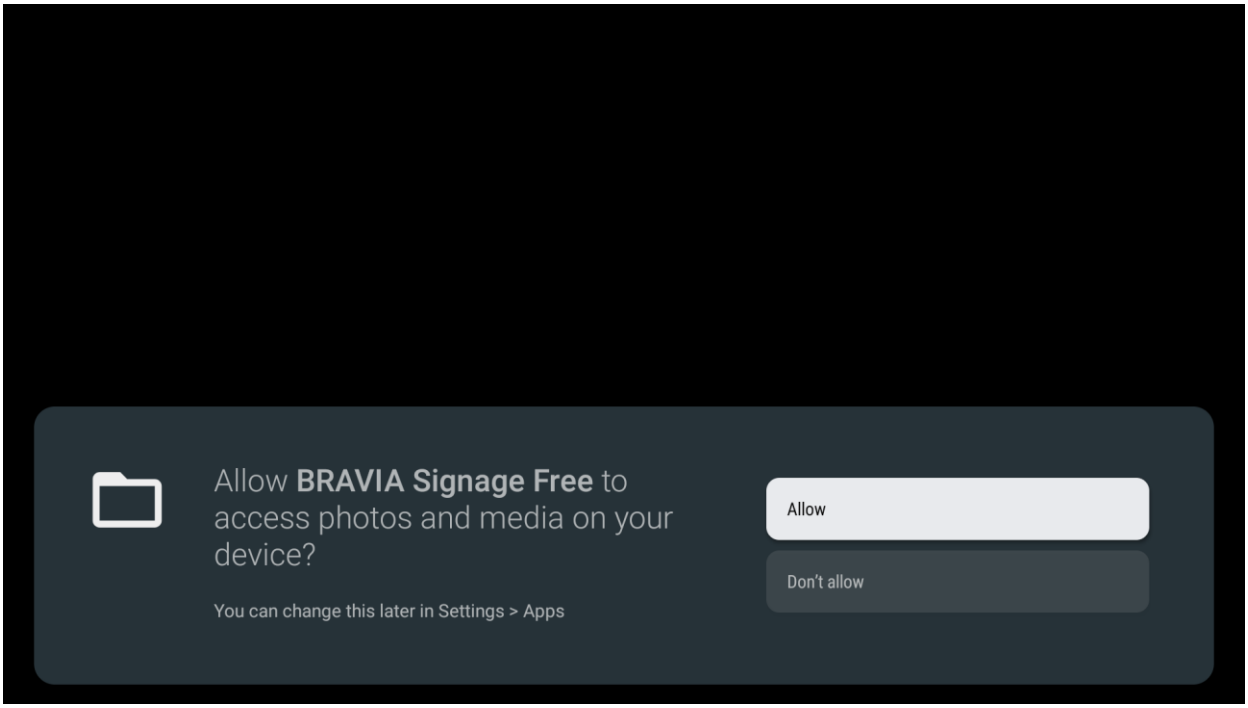
In schedule settings, you can create the following types of schedules. If you create multiple types of schedules, schedules specifying “date” take priority over schedules specifying “day of week”.

The Date/Time set on the BRAVIA is initialized when the main power supply of the BRAVIA turns off or the BRAVIA is not connected to a network. Scheduled playback is supported only when the BRAVIA is connected to a network. Note that even in other conditions, there is a possibility that playlists do not play according to the set schedule.

Runtime permission

Pop-up dialog will be displayed during the first launch to get user consent for the BSF application to access photos and media on the device.

Select “Allow” to proceed using BSF application, selecting “Don’t allow” will exit the application.



Auto-start playback

In case auto-start playback does not start, try the following recovery methods:

1. Press <power> button on the remote controller twice to conduct RC OFF > RC ON.
2. Long press <power> button on the remote controller and select “Restart”.
3. Switching AC power OFF > ON.
4. Unplug and plug USB flash memory if “autorun.txt” is existed.

Appendix I. Recommended Media Format

This section describes the recommended specifications of video, image, and audio formats that the BSF supports.

Video

Container/Codec	Extension	Aspect Ratio	Resolution (Max.)	Bitrate (Max.)	Frame rate	Duration (Max.)
MP4 AVC	.mp4	16:9 9:16 (*1)	3840x2160 2160x3480 (*1)	30 Mbps	30 fps	10 minutes/file
MP4 HEVC	.mp4	16:9	3840x2160	30 Mbps	30 fps	10 minutes/file
MPEG TS AVC/MPEG2	.m2ts	16:9	3840x2160	30 Mbps	30 fps	10 minutes/file

(*1) 9:16 aspect ratio is only support to playback from USB flash memory. It will not appear in the content list.

Image

Container/Codec	Extension	Aspect Ratio	Resolution (Max.)	Bit depth information
JPEG	.jpg, .jpeg	16:9	3840x2160	Based on JPEG specifications
BMP	.bmp	16:9	1920x1080	8 bit (256 colors) bitmap
PNG	.png	16:9	1920x1080	24bit RGB, 32bit RGBA format
GIF	.gif	16:9	1920x1080	8 bit (256 colors) bitmap

Audio

Container/Codec	Extension	Bitrate (Max.)	Sampling rate	Channel (Max.)	Duration (Max.)
MP3	.mp3	kbps	44.1 kHz, 48 kHz	channels	minutes/file
AAC	.m4a	kbps	44.1 kHz, 48 kHz	channels	minutes/file

Appendix II. Seamless Playback Specifications

This section describes the seamless playback specifications that the BSF supports.

Combination of seamlessly reproducible content

The table below shows the combinations of content that can play seamlessly.
In addition, the content used must meet the recommended specifications described in Appendix I. Recommended Media Format.

Row: Content being playing
Column: Content to be play next

Container/ Codec	MP4 AVC	MP4 HEVC	MPEG TS AVC/MPEG2	Image *2 (4K)	JPEG	BMP	PNG	GIF	HTML
MP4 AVC	v (*1)				v	v	v	v	v (*3)
MP4 HEVC					v	v	v	v	v (*3)
MPEGTS AVC/MPEG2			v (*1)		v	v	v	v	v (*3)
Image *2(4K)				v	v	v	v	v	v (*3)
JPEG	v	v	v	v	v	v	v	v	v (*3)
BMP	v	v	v	v	v	v	v	v	v (*3)
PNG	v	v	v	v	v	v	v	v	v (*3)
GIF	v	v	v	v	v	v	v	v	v (*3)
HTML	v (*3)	v (*3)	v (*3)	v (*3)	v (*3)	v (*3)	v (*3)	v (*3)	v (*3)

Only the initial playback does not play seamlessly.

Seamless playback is supported if the image type is set to “Image” in playlist settings. However, changing the type of image from “Image(4K)” to “Image” makes a difference in image quality. Refer Table 1 for more details.

(*1) Seamless playback is not supported for video-to-video transition with different format (such as resolution, frame rate) in Portrait mode.

(*2) Images with Type set to Image(4K) under Playlist settings. Image will display according to the original resolution even selected type is Image(4K). Refer Table 1 for more details.

(*3) Not seamless depending on HTML content.

Table 1: Seamless specification in different play mode and image type selection

Play mode	Contents list	Type selection	Result	Remarks
Slideshow	Video <> Photo	N/A	Photo always output as 2K	Without picture quality enhancement
	Photo <>Photo	N/A	Photo will display as original 2K -> 2K 4K -> 4K	With picture quality enhancement
Playlist	Video <> Photo (4K)	Image (4K)	Photo will display as original 2K -> 2K 4K -> 4K	No seamless support but with picture quality enhancement
	Video <> Photo (2K)	Image (4K)	Photo will display as original 2K -> 2K	No seamless support but with picture quality enhancement
	Photo (2K) <> Photo (4K)	Image (4K)	Photo will display as original 2K -> 2K 4K -> 4K	Support seamless playback with picture quality enhancement
	Video <> Photo (4K)	Image	Photo always output as 2K	Support seamless without picture quality enhancement
	Video <> Photo (2K)	Image		
	Photo (2K) <> Photo (4K)	Image		

Change history

BRAVIA Signage Free 2.0.10 (0.8)

- 2. What to prepare : We support USB flash memory formatted to NTFS, FAT32.

BRAVIA Signage Free 2.0.10 (0.7)

- 1. Overview: Feature Overview: [8] Auto-start playback
- 5. Supplementary information and cautionary notes : Auto-start playback

BRAVIA Signage Free 2.0.10 (0.6)

- [3.4 Content management] Add description for Import/Export content from USB

BRAVIA Signage Free 2.0.10 (0.5)

- Add description for Feature Overview – [5] Presentation mode

BRAVIA Signage Free 2.0.10

- Pre-installed android application.
- Add support to playback from different storage type: USB flash memory or Internal storage.
- Add support to export/import settings and contents to copy configuration between compatible devices.
- Add settings lock to lock BSF settings.
- Add support to display configuration, such as settings screens, text overlay, in Portrait mode.
- Update on the recommended media formats.
- Update on the supported seamless combination.
- Update slideshow playback behaviour to support seamless combination.

Trademark information

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