BRAVIA Signage Free

User Guide

For BZ40P / BZ35P / BZ30P Series

Version 2.1.5

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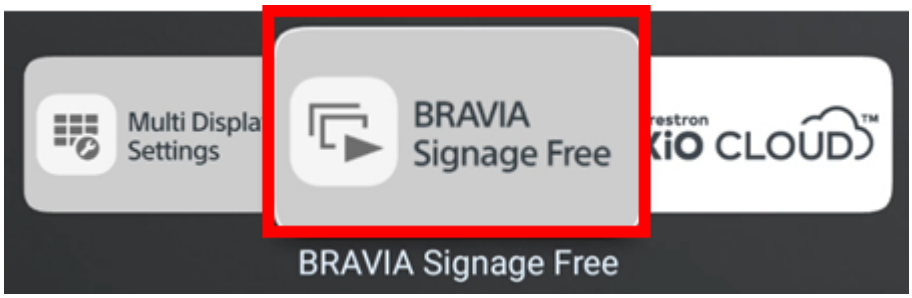
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1. Overview

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.



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] Portrait Mode

When operating the BRAVIA in a vertical orientation, you may set the [Landscape/Portrait] setting to [Portrait] to start playback in portrait mode automatically. This setting will rotate playback screen and all settings screen in BSF. Refer to 5. Supplementary information and cautionary notes: Portrait Playback for more details.

[7] Storage

This function allows the user to choose to playback contents from USB flash memory or internal storage*.

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

If USB storage is selected, [media] folder in the root of USB flash memory is selected as root folder of playback contents by default. You may change it to other directory from the USB flash memory by selecting the directory name in [USB Folder] setting.

Refer to 5. Supplementary information: USB Folder Customization for supported directory.

[8] Import / Export

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

- Import contents/settings from selected folder of USB flash memory
- Export contents/settings to USB drive even selected folder does not exist (create new folder with selected folder name if it does not exist in USB flash memory to store the contents/settings)
- USB Checker pin is not supported in this feature

[9] Auto-start playback

This function allows playback to start automatically after turning on the BRAVIA's display in Pro Mode using remote control or setup power supply. BSF will play all media contents from internal storage or USB flash memory by setting [Auto Startup] to [On] in Basic Settings Screen in Normal mode.

Procedure:

(1) In Normal Mode, set [Auto Startup] to [On] in Basic Settings Screen
(2) Start playback
(3) Go to [Pro Settings] > [Start Pro Mode], press enter key on remote control
(4) Press key twice on remote control to conduct RC OFF > RC ON to confirm
(5) Playback will be started.

This setting is disabled in Pro Mode. BSF will be set as Initial Input Source in Pro Settings if [Auto Startup] is set to [On]. "Initial input source" setting will be prioritized if other input source was set.

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

Auto-start playback is only supported in Pro Mode only.

[10] Settings lock

Protect the BSF setting screen with PIN code in Pro Mode.

Procedure:

(1) In Normal mode, enable Pro Mode Lock under [Pro Settings] > [Settings] > [Pro mode lock].
(2) Enter PIN to lock Pro Settings, including BSF settings.
(3) Start Pro mode.

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



[11] USB Playback Lock

Protect BSF playback from USB flash memory in Pro Mode. This lock will detect pin in [usbchecker.txt] in [sony] folder in root of the USB memory folder automatically before starting playback. Hence, no remote control is required to unlock the restriction. Refer to 5. Supplementary information: USB Playback Lock for more information.

** This lock uses different pin from [10] Settings lock

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@60p):
   - Video codecs: AVC/HEVC
   - Audio codecs: AAC-LC/HE-AAC

(*1) In portrait mode, vertical videos taller than 2160 pixels (such as 2160x3840) cannot be played.

Image

Supported image formats are as follows:

- PNG, GIF, JPEG, BMP
- JPEG with 4K resolution (Available only on a BRAVIA 4K model)

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)	Main@2, 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, FAT32, or exFAT (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 to 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.

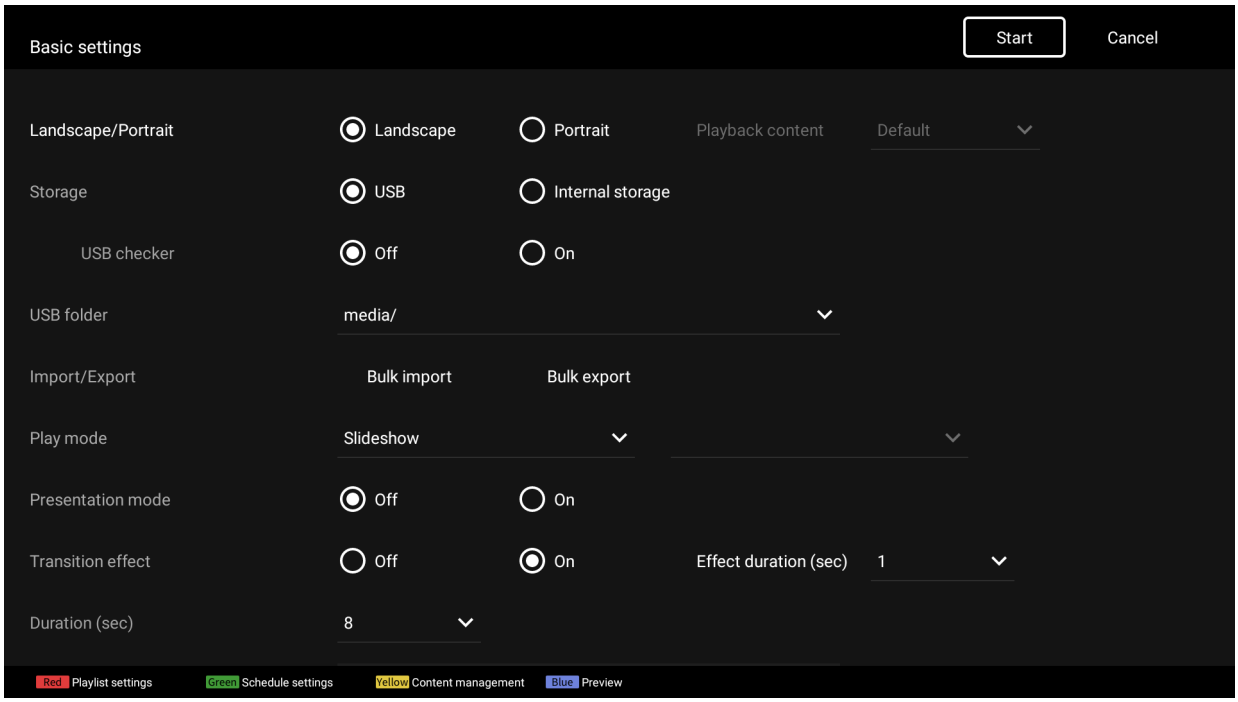
Procedure to play contents (Required)

[1] Create a [media]* folder in the root folder of the USB flash memory and copy media contents to the [media] folder.

* Refer to 5. Supplementary information and cautionary notes: USB Folder Customization to change other folder than [media].

[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.

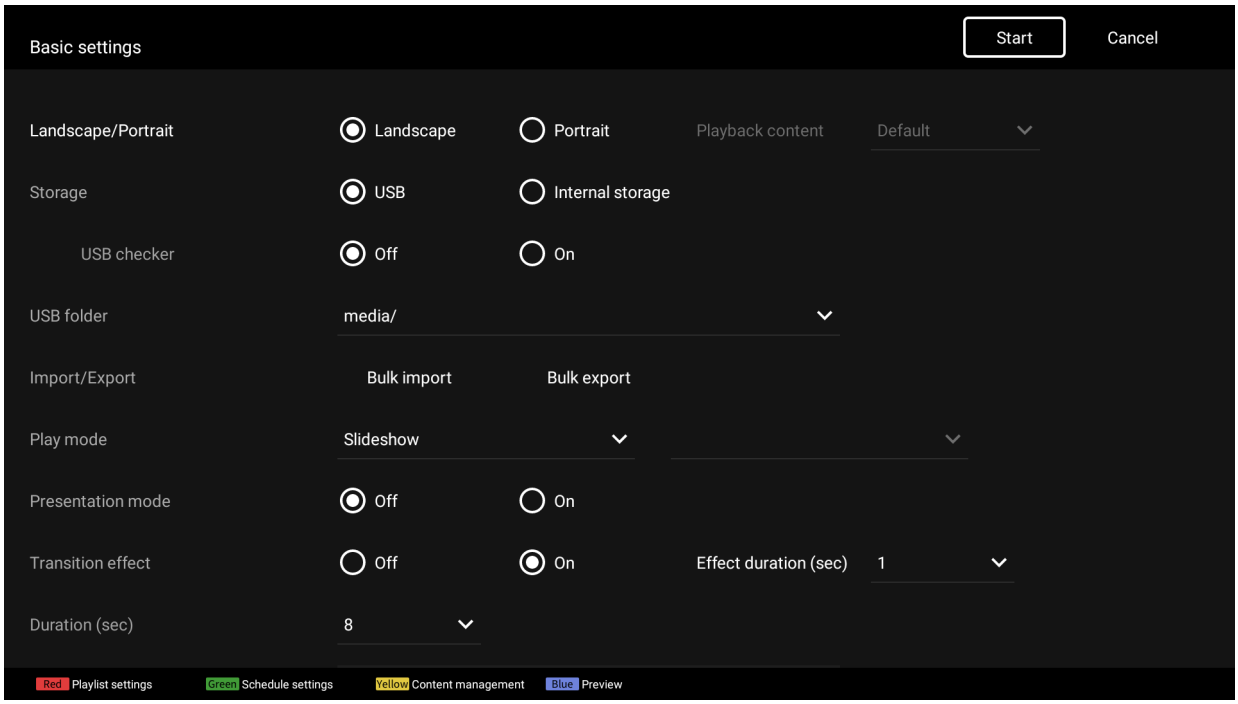
Procedure to create playlists (Required)

[1] Create a [media]* folder in the root folder of the USB flash memory and copy media contents to the [media] folder.

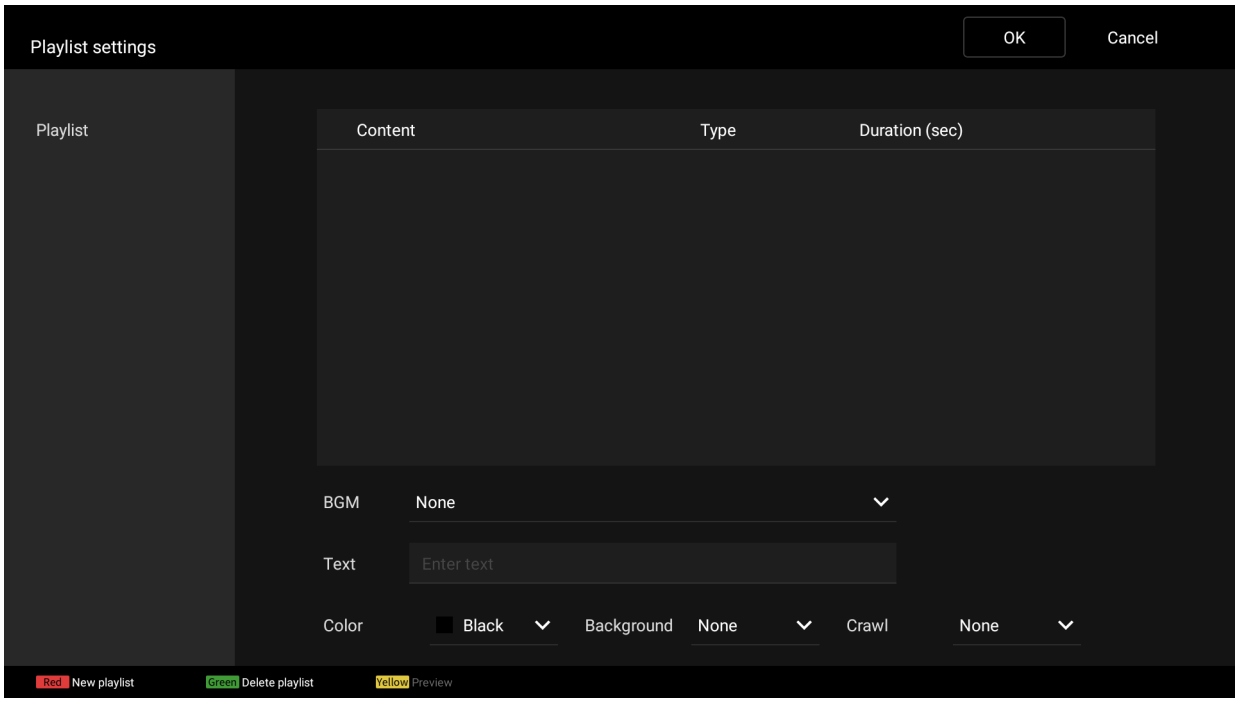
* Refer to 5. Supplementary information and cautionary notes: USB Folder Customization to change other folder than [media].

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

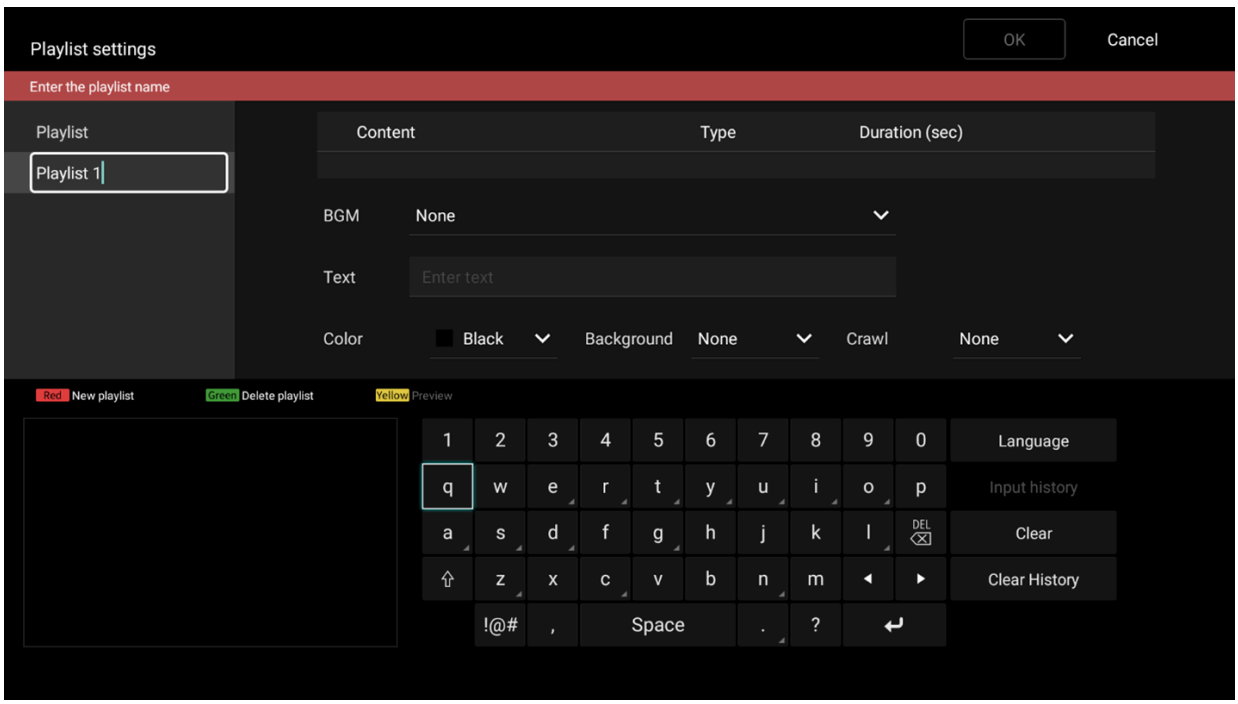
[3] After inserting the USB flash memory, press and hold the “1” button of the remote control of the BRAVIA for 3 seconds when the BRAVIA Signage Free app has been launched and move to the [Basic settings] screen.



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

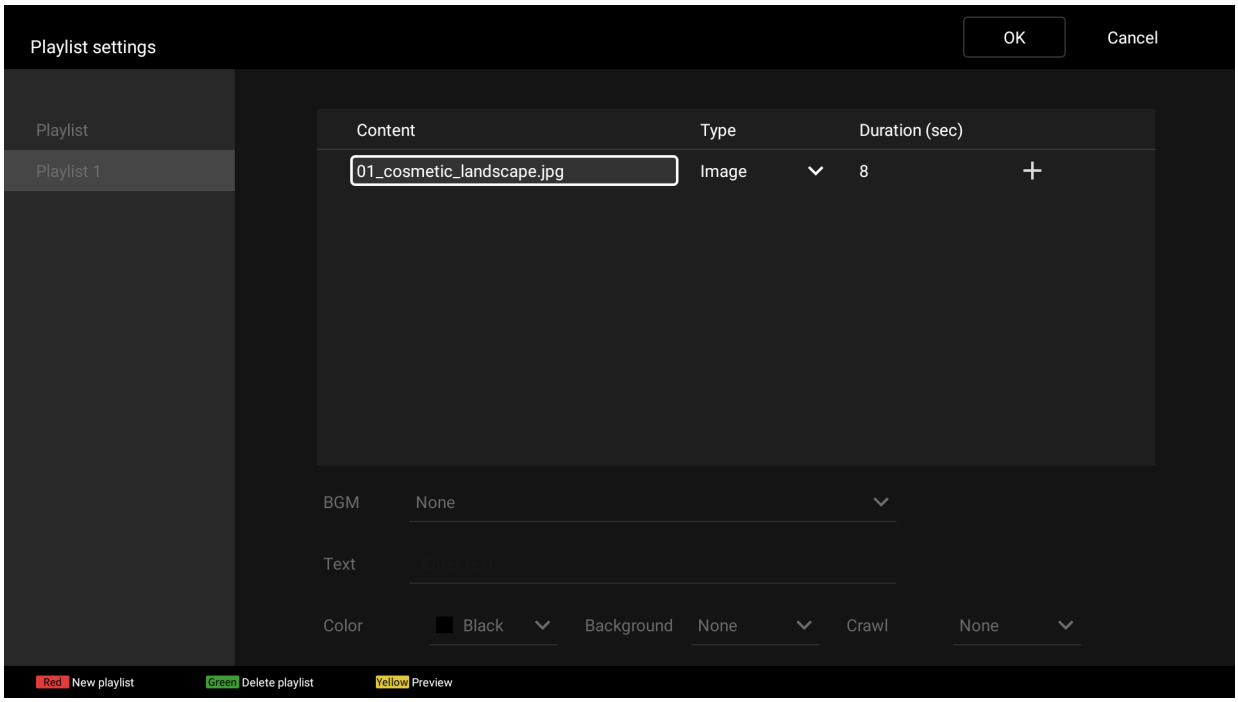


[5] You can create a new playlist by pressing the red button of the remote control on the [Playlist settings] screen. After pressing the red button, a software keyboard is displayed and you can input the playlist's name. For this procedure, input "Playlist 1".

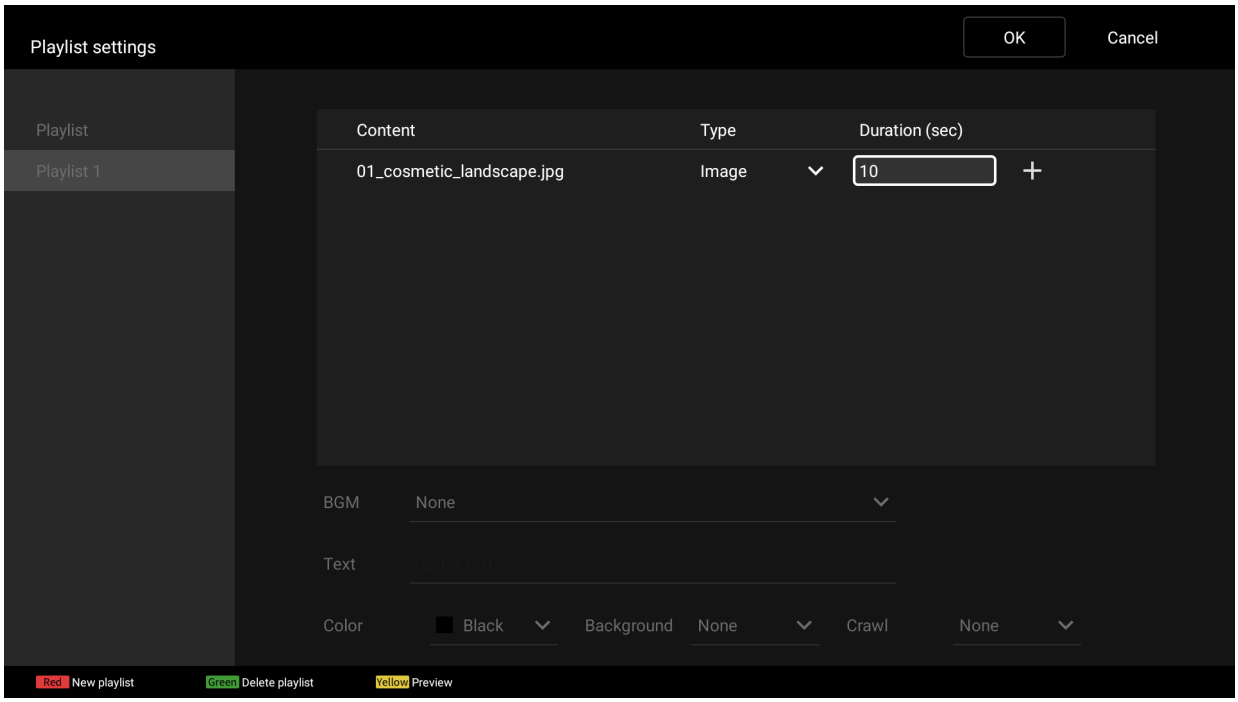


[6] Move to the right on the screen and focus on [Content], then select contents. After selecting your contents, the [Type]* is automatically selected. For this procedure, select "01_cosmetic_landscape.jpg".

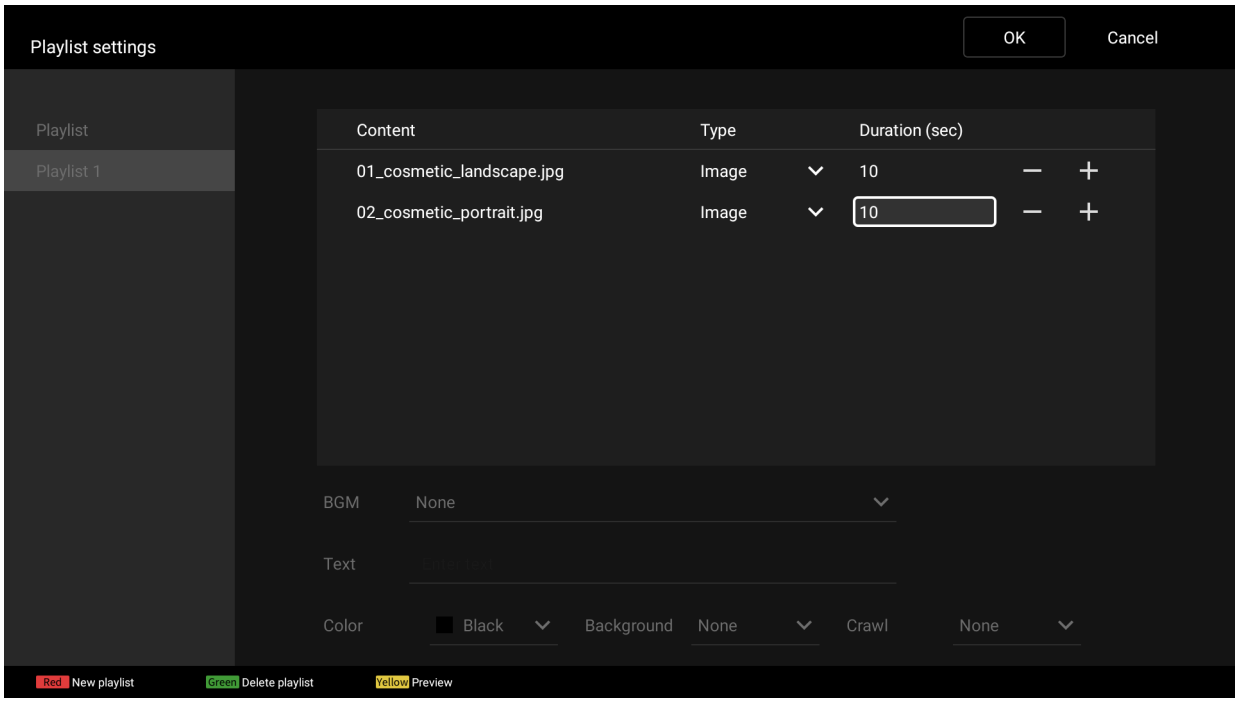
*Changing the [Type] for images to support seamless playback. Refer Appendix II. Seamless Playback Specifications for more details.



[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)].



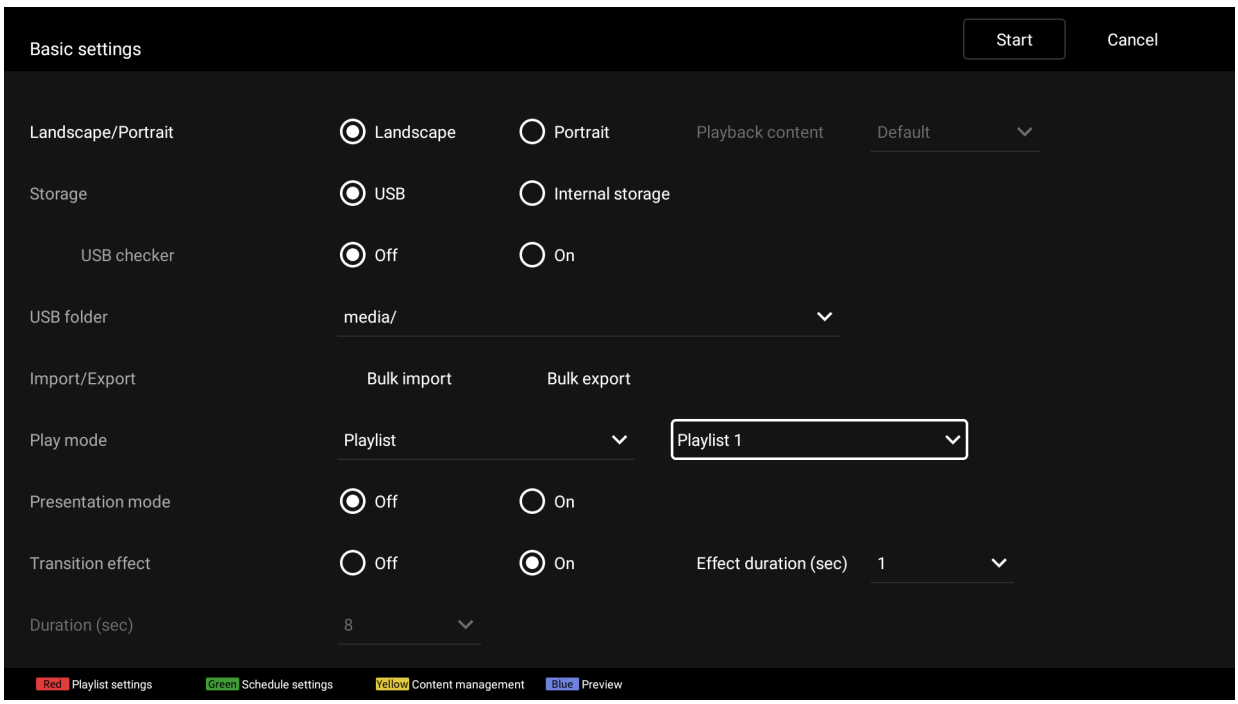
[9] Focus on the [OK] button on this screen and press the ENTER button of the remote control to save your edited playlist data and return to the [Basic settings] screen.

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

Procedure to change playback settings (Required)

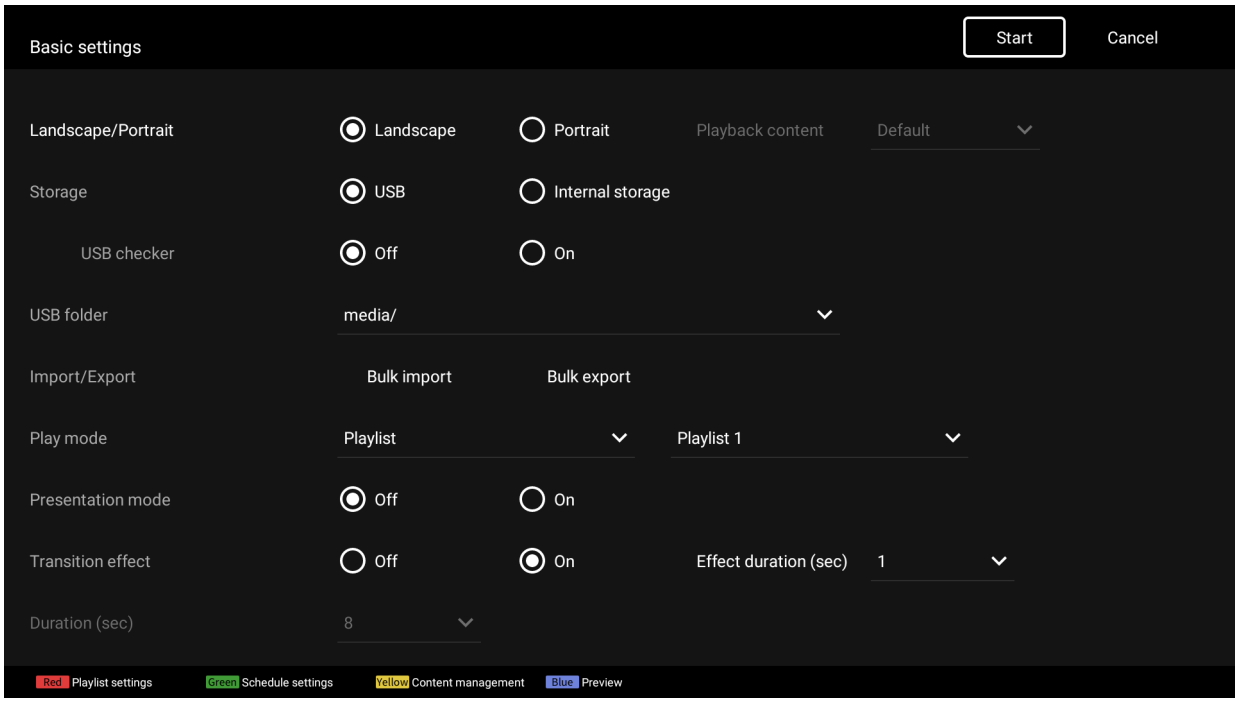
You need to change the playback settings to play the playlist you created above.

[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 “Playlist 1”.

[12] Focus on the [Start] button on this screen and press the ENTER button of the remote control to start playing “Playlist 1”.


Basic settings
Start
Cancel
Landscape/Portrait
Landscape
Portrait
Playback content
Default
Storage
USB
Internal storage
USB checker
Off
On
USB folder
media/
Import/Export
Bulk import
Bulk export
Play mode
Playlist
Playlist 1
Presentation mode
Off
On
Transition effect
Off
On
Effect duration (sec)
1
Duration (sec)
8
Red Playlist settings
Green Schedule settings
Yellow Content management
Blue Preview

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.

Information on schedule priority:

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.

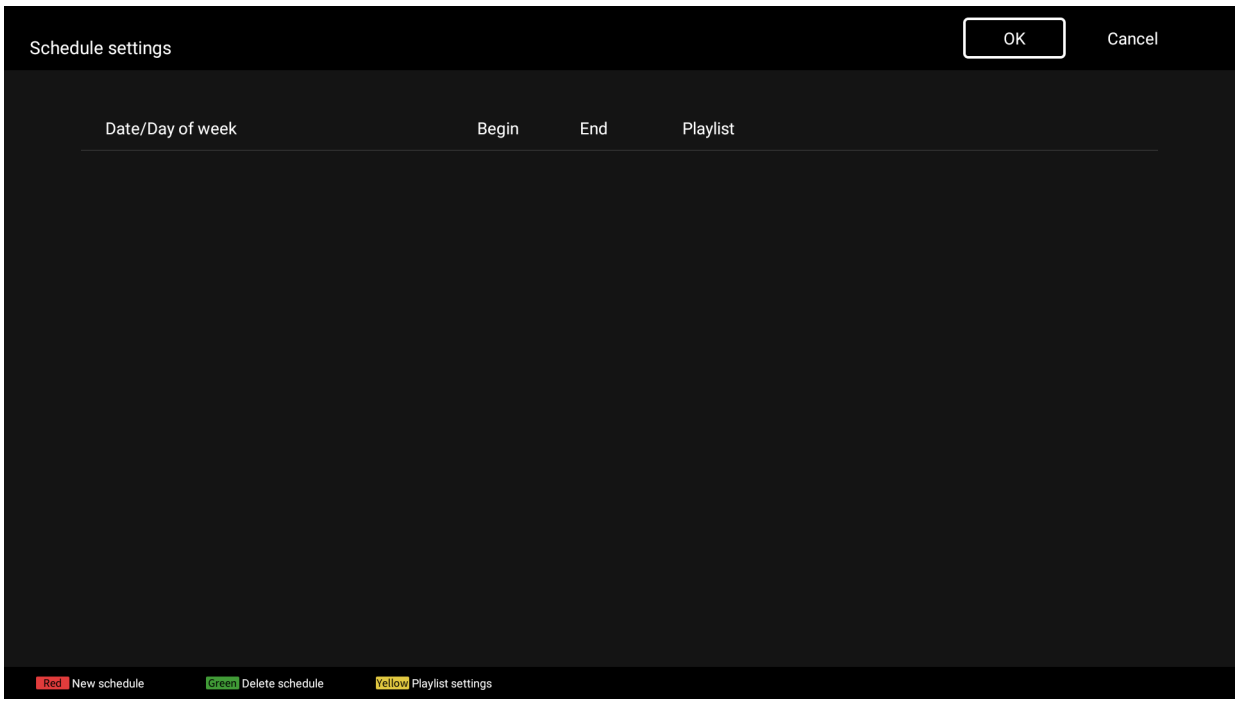
If the Begin/End time of “Day of week” and “Every day” does not intercept, schedule will be sorted according to Begin Time and playback continuously.

Procedure to create playlists (Required)

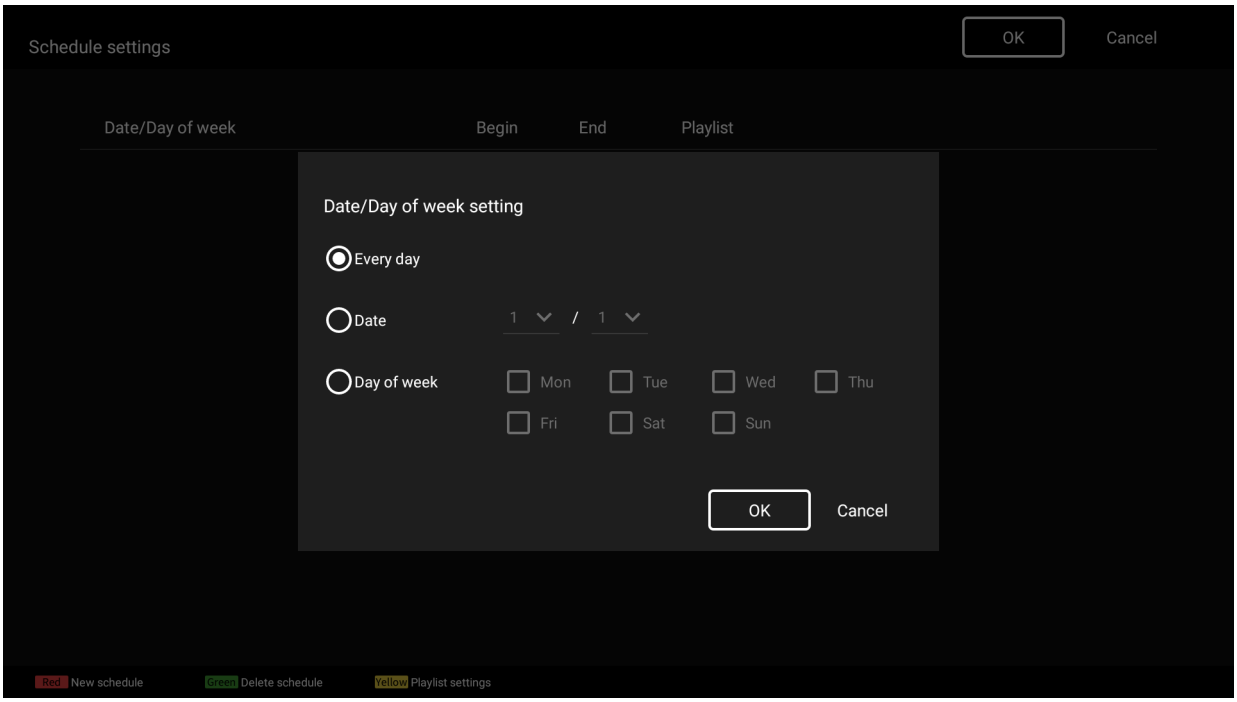
Refer to 3.2 Create playlist and play for the procedure to create playlists.

Procedure to configure schedule (Required)

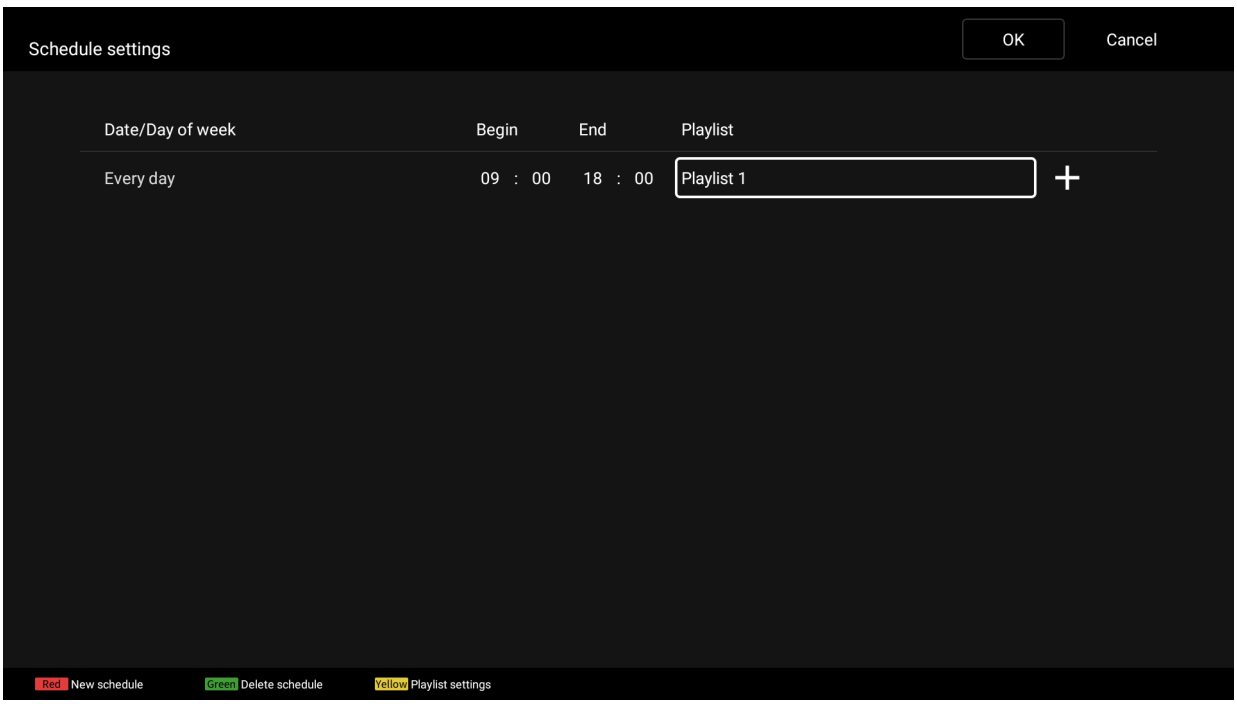
[1] The [Basic Setting] screen is displayed after editing and saving a playlist, press the green button of the remote control on the [Basic settings] screen and move to the [Schedule settings] screen.



[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 “Playlist 1” 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 “Playlist 1” as [Playlist]. After finishing selection, press the Return button of the remote control.



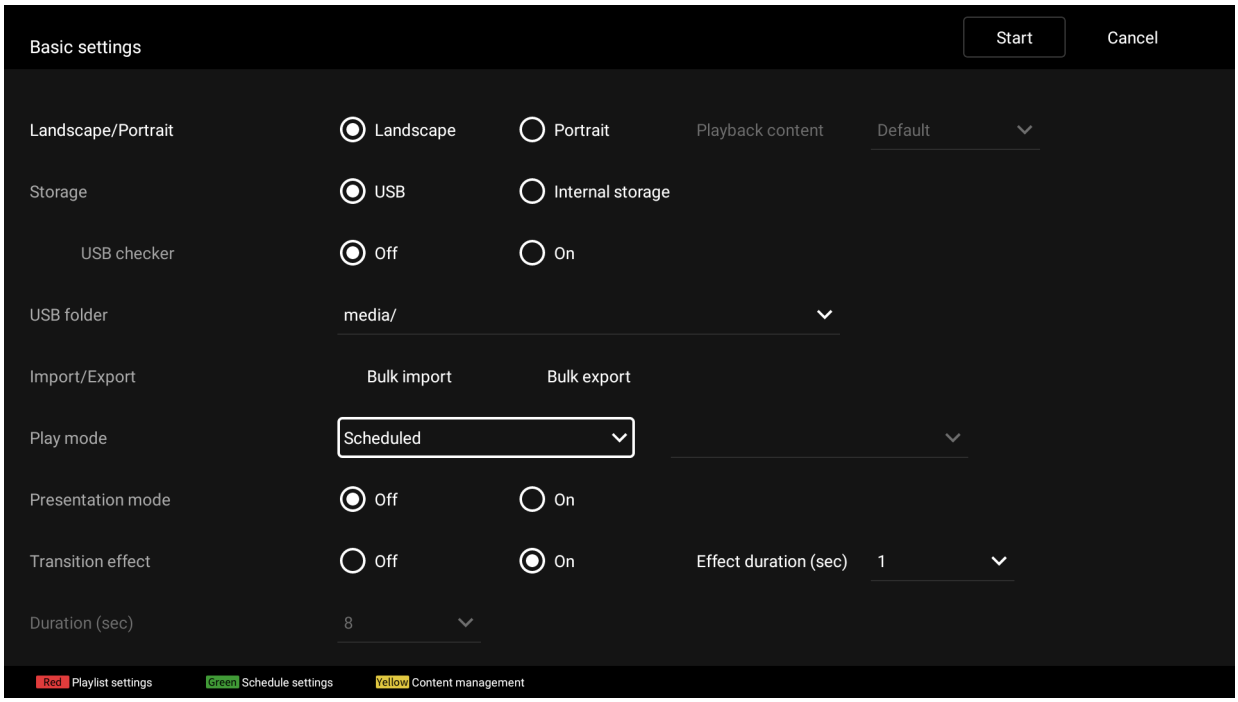
[4] Focus on the [OK] button on this screen and press the ENTER button of the remote control to save the edited schedule data and return to the [Basic settings] screen.

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.

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.

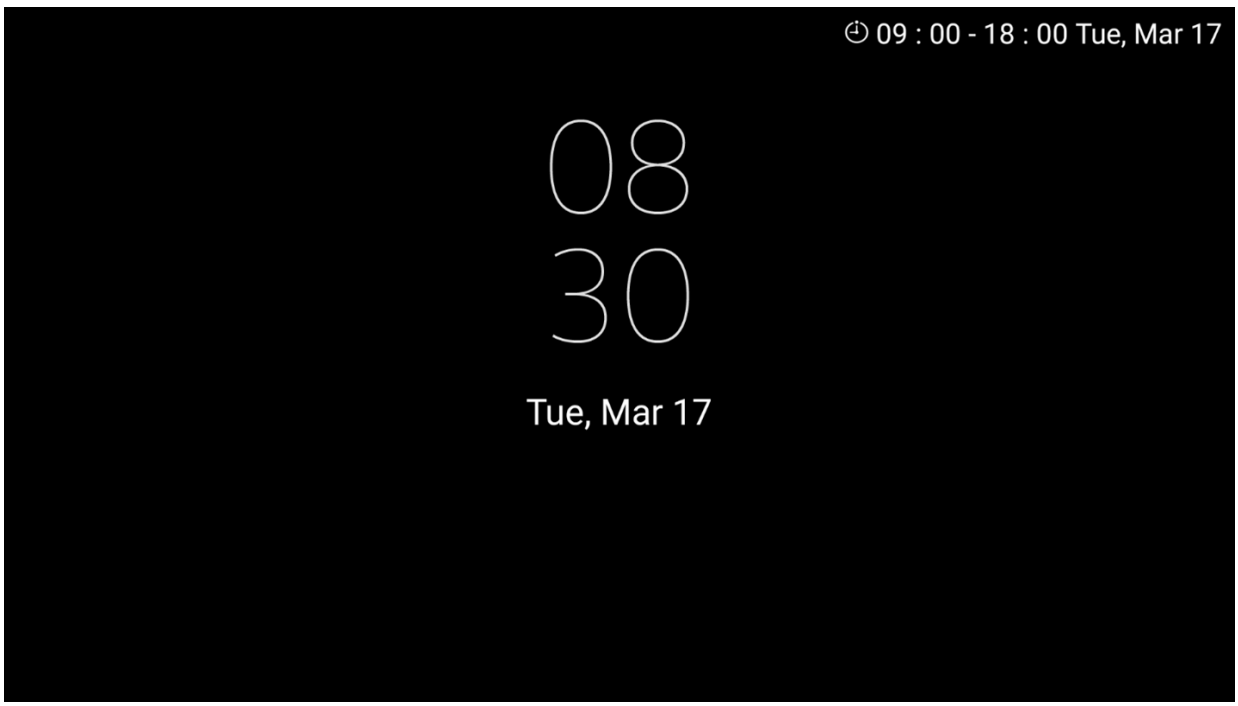
[5] Select “Schedule” as [Play mode] on the [Basic settings] screen.



[6] Focus on the [OK] button on this screen and press the ENTER button of the remote control to start playing “Playlist 1” 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 centre of the screen, and the Date/Time of the next playback schedule is displayed at the upper right of the screen as shown below.

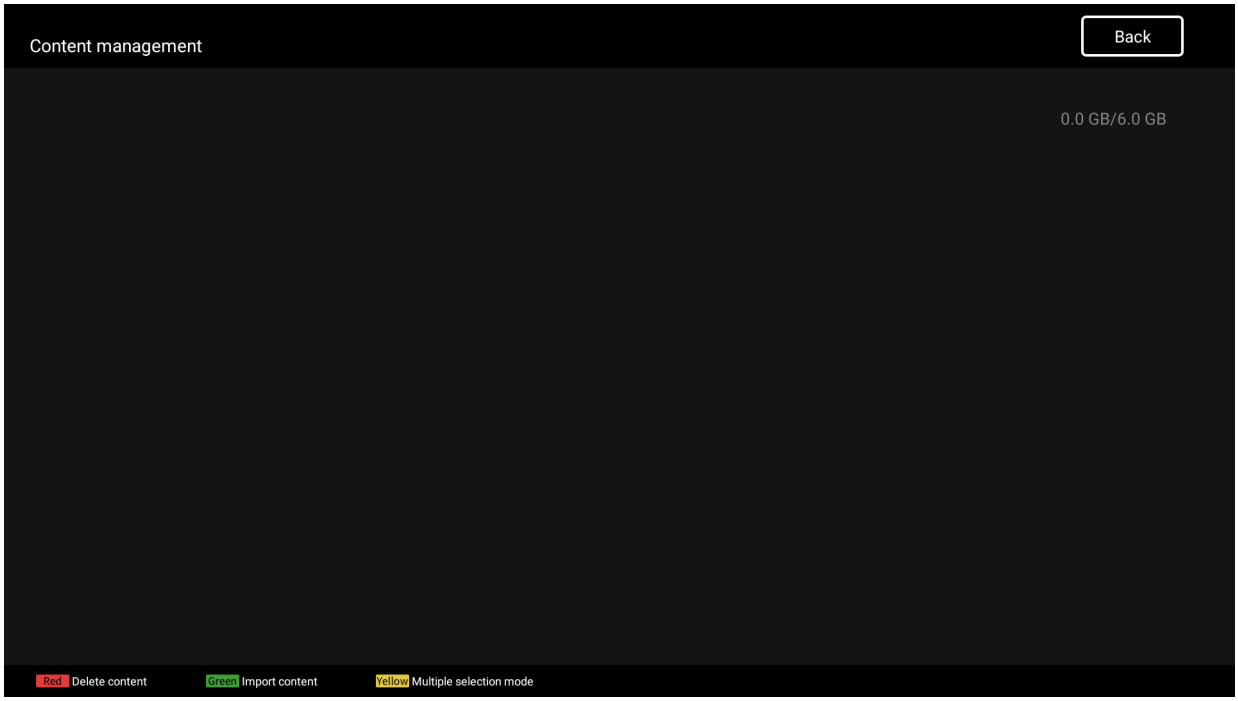
Confirm the settings and reconfigure them in accordance with this information.



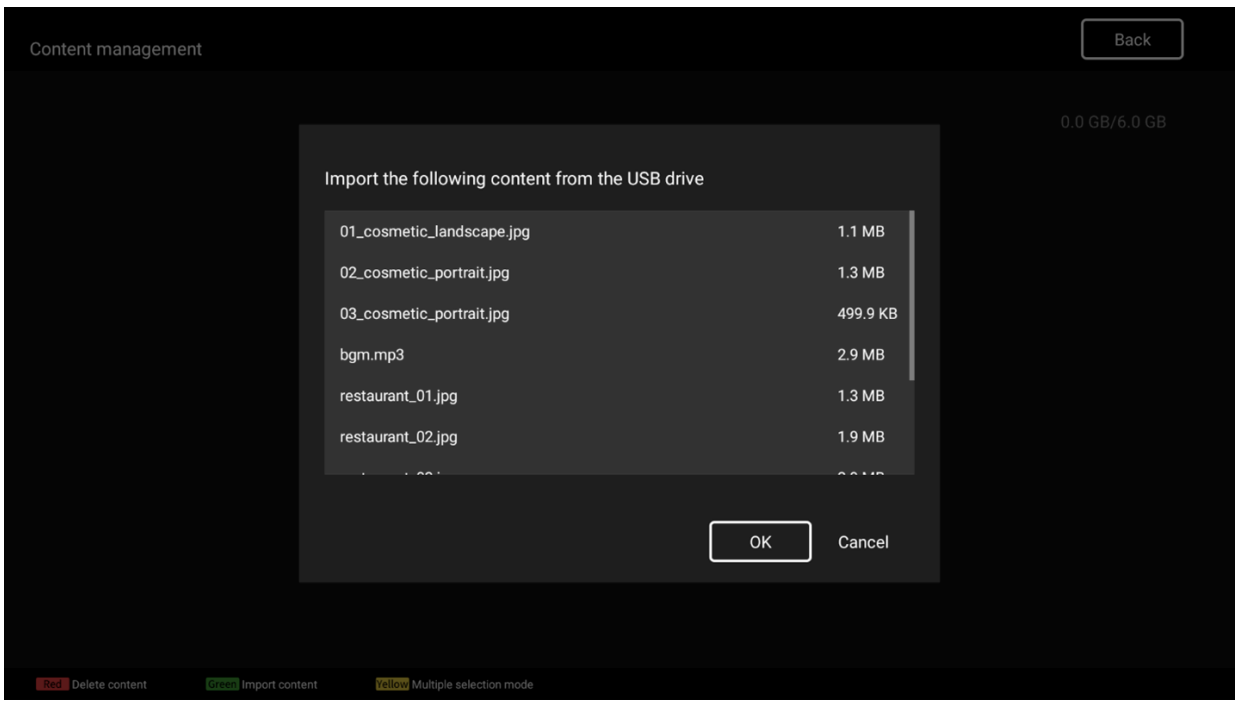
3.4. Content management

BSF support copying and deleting contents copied to internal storage.

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



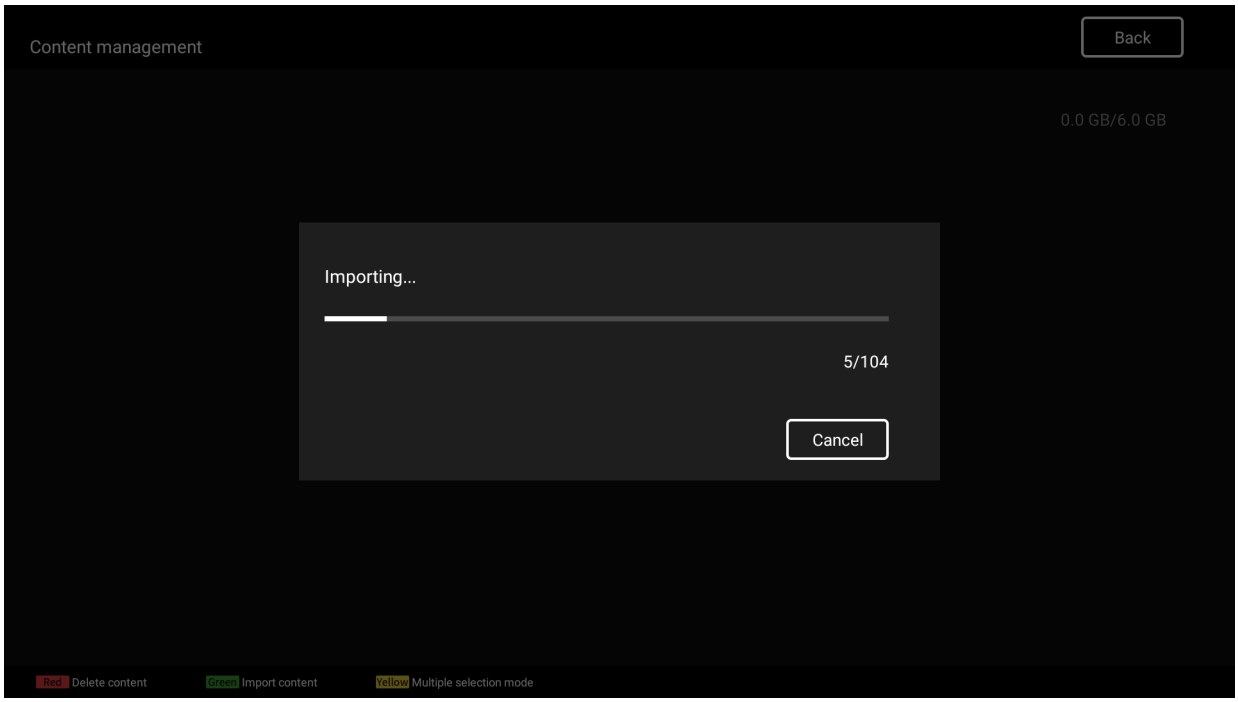
[2] Press <Green> button to import content from USB flash memory to internal storage.



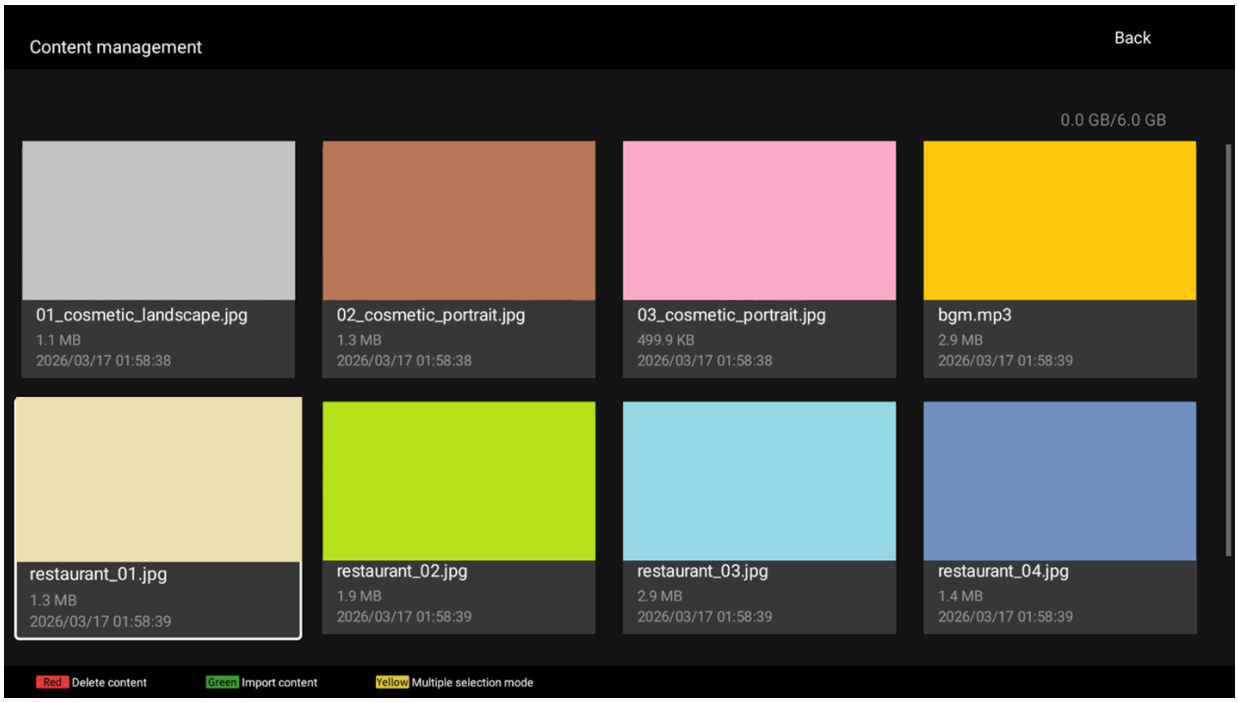
[3] Selecting [OK] will import all contents from USB flash memory to internal storage. There is storage limit set to store the content in internal storage. In case exceeding the limit, import process will be stopped and the copied content will remain.

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

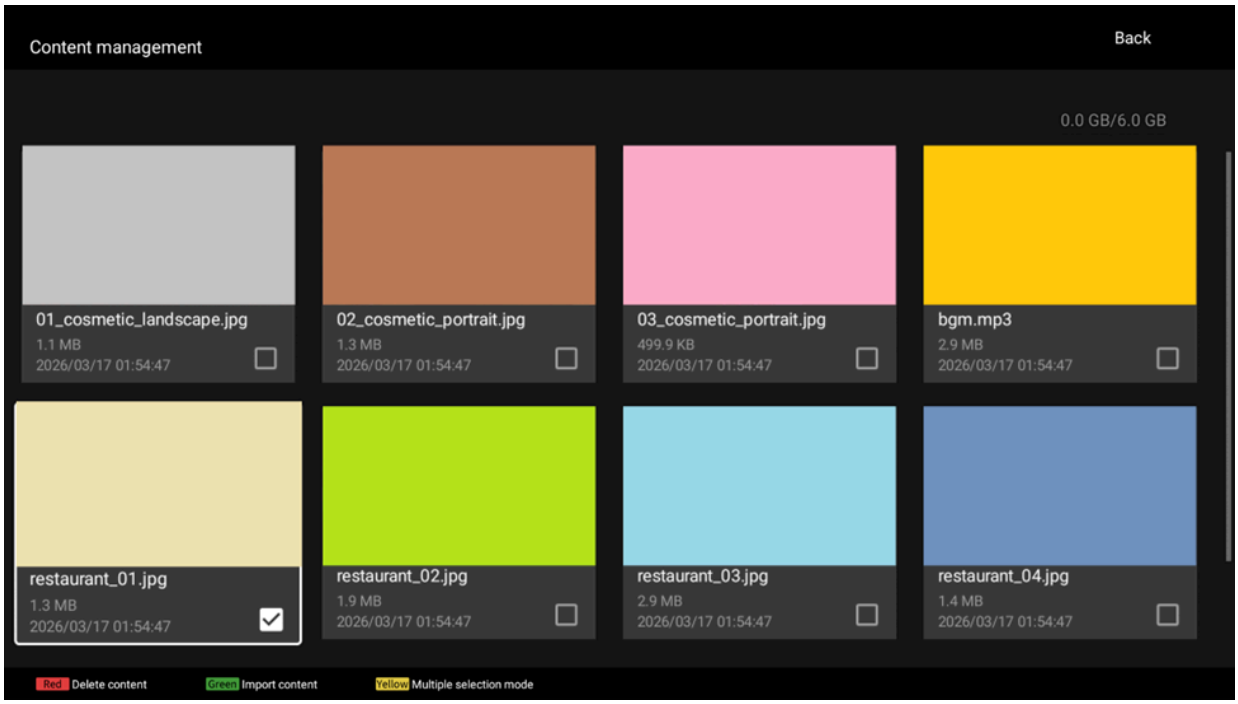


[4] User can browse the copied contents under content management screen.



[5] 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
0.0 GB/6.0 GB
01_cosmetic_landscape.jpg
1.1 MB
2026/03/17 01:54:47
02_cosmetic_portrait.jpg
1.3 MB
2026/03/17 01:54:47
03_cosmetic_portrait.jpg
499.9 KB
2026/03/17 01:54:47
bgm.mp3
2.9 MB
2026/03/17 01:54:47
restaurant_01.jpg
1.3 MB
2026/03/17 01:54:47
restaurant_02.jpg
1.9 MB
2026/03/17 01:54:47
restaurant_03.jpg
2.9 MB
2026/03/17 01:54:47
restaurant_04.jpg
1.4 MB
2026/03/17 01:54:47
Red Delete content
Green Import content
Yellow Multiple selection mode

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.

[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)

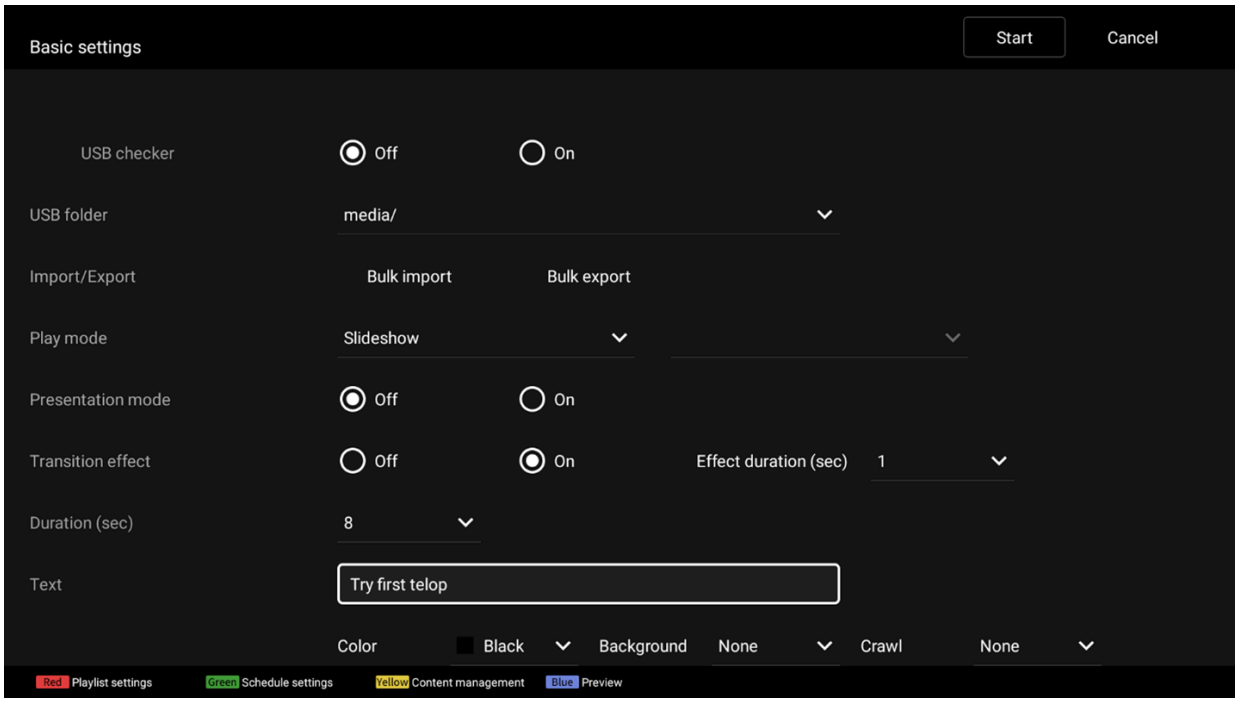
4.1. Show on-screen text

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

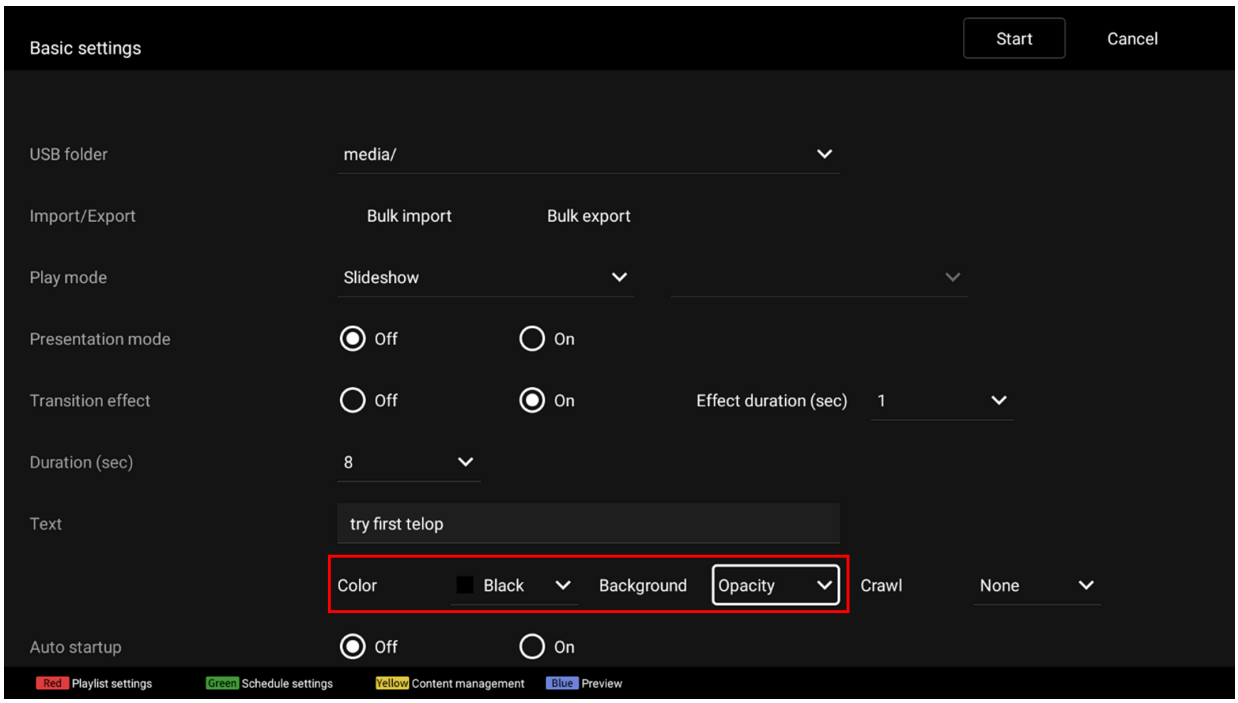
Slideshow playback

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

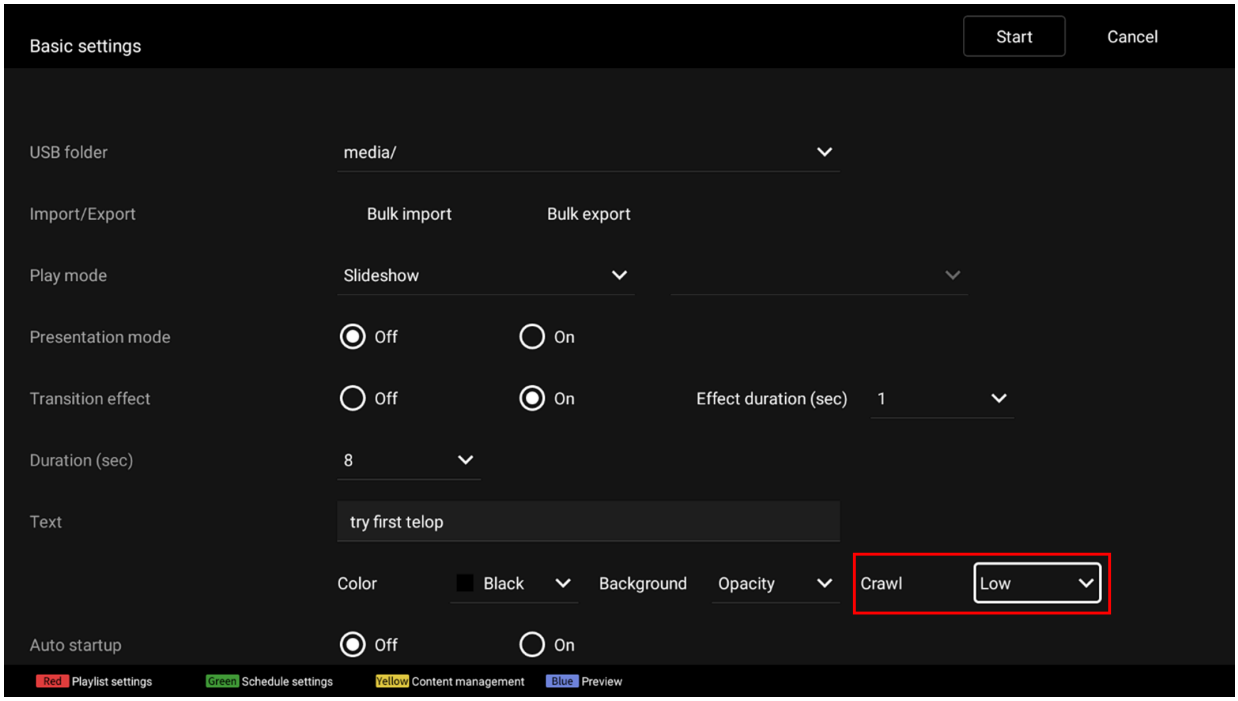
[2] Move to the [Basic settings] screen and specify the [Text] for [On-screen text]. Focus on [Text] and press the ENTER button of the remote control to specify on-screen text. For this procedure, enter “Try first telop.”



[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 [Start] 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” is displayed at the bottom of the screen with playback content.

Playlist or schedule playback

[1] Execute steps [1] to [8] 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 [12] 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.

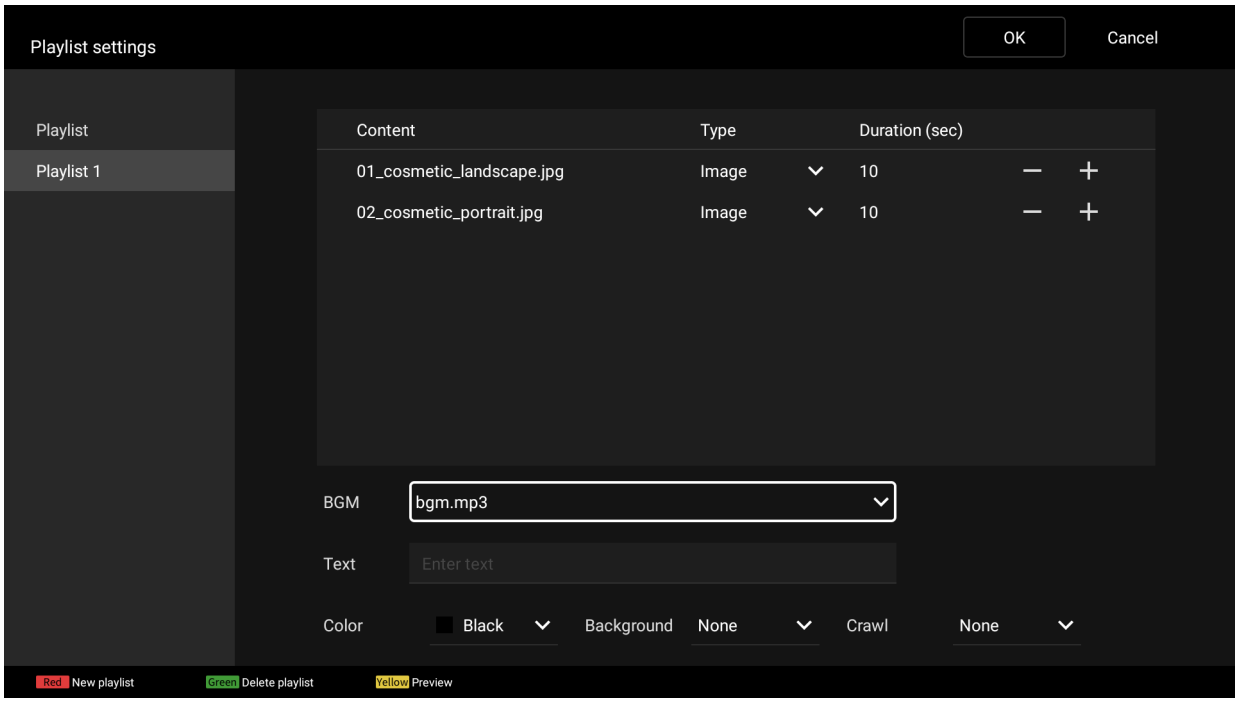
[2] Copy the audio file to be used as BGM to the media folder of the USB flash memory. For this procedure, copy sample content “bgm.mp3”.

[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] in 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 [12] 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 [Start] 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

```
File and directory example

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 centre 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 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.

USB Playback Lock

This setting is used to protect BSF playback from USB flash memory in Pro Mode. Pin code will be detected automatically from [usbchecker.txt] in USB flash memory before starting playback. Hence, remote control is not required to unlock the restriction.

To set pin:

(1) Launch Basic Settings Screen in normal mode.
(2) Set [Storage] to [USB]
(3) Set [USB Checker] to [On]
(4) Pin input will be requested. Enter the desired pin to lock playback. 0000 is invalid pin.
(5) Click on [Start] button.
(6) Start Pro Mode from Pro Settings.

To unlock:

(1) Create new file named [usbchecker.txt] in [sony] folder in the root of USB flash memory.
(2) Save {"pin": "0000"} in [usbchecker.txt] (modify “0000” to the pin set in instruction above)
(3) Insert the USB flash memory to a USB port on the BRAVIA.

**** Caution:**

- This setting is different from [10] Settings lock
- [usbchecker.txt] file is plain text, do not use personal or sensitive PINs (e.g., bank PINs or passwords).
- Please keep the usb flash memory secure to prevent any unauthorized access.
- If the location of BRAVIA is easily accessible in public, it is recommended to use contents from internal storage and enable pro mode lock to secure the contents in playback.

USB Folder Customization

[USB Folder] setting is used to set path the directory of playback contents. This setting will change the contents list in [Playlist Settings Screen] and [Import/Export] feature.

[/root] refers to the root folder of the USB flash memory.

Subfolders of “Android” folder in the root of the USB drive are not supported.

Directory example:

```
/root
  + 1_dir
  + 2_dir
  + Android
    | + 3_dir *
    | + 4_dir *
  + media
  + sony
  + 5_dir
```

** 3_dir and 4_dir are not supported

Portrait Playback

Vertical content (9:16 aspect ratio) can be played in portrait orientation.

Set [Landscape/Portrait] to [Portrait] in Basic Settings Screen to rotate playback contents and on-screen text to 90 degrees automatically to match portrait orientation.

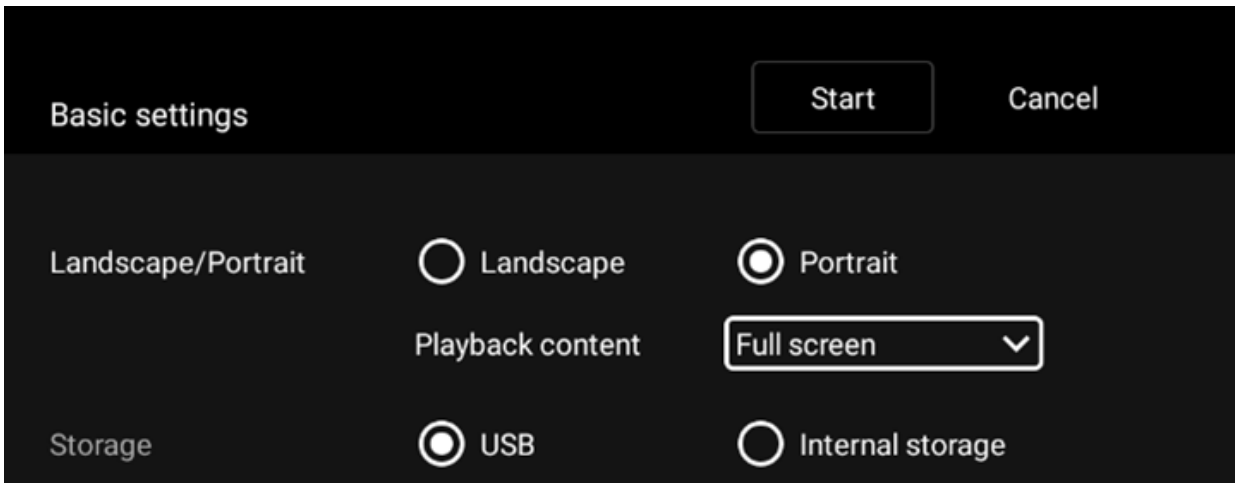
Full Screen Playback

This feature supports detecting and rotating content automatically according to content’s resolution in portrait playback so contents all always fit to full screen. You may display horizontal contents which aspect ratio is 16:9 but in vertical orientation in portrait playback.

This feature is not available for landscape playback and not applicable for html content.

To enable this feature:

1. In Basic Settings Screen, set [Landscape/Portrait] to [Portrait]
2. Set [Playback Content] to [Full Screen]
3. Press [Start] to start playback



Refer to the table below for details of [Landscape/Portrait] and [Playback content] settings with sample contents above.

Content	01_cosmetic_landscape.jpg	02_cosmetic_portrait.jpg	02_cosmetic_portrait.jpg(rotated)
Resolution	1920 x 1080	1920 x 1080	1080 x 1920
Content orientation	Landscape	Portrait - Horizontal	Portrait - Vertical
Sample display of settings below: [Landscape/Portrait]: [Landscape]	 Try first telop	 Try first telop	 Try first telop
Sample display of settings below: [Landscape/Portrait]: [Portrait] [Playback content]: [Default]	 Try first telop	 Try first telop	 Try first telop
Sample display of settings below: [Landscape/Portrait]: [Portrait] [Playback content]: [Full screen]	 Try first telop	 Try first telop	 Try first telop

HTML Content Rotation

- HTML content will be displayed as web page on full screen. The default background color is white.
- Recommended to preview web content with desktop browser to avoid content being clipped or rotated in wrong direction. Please use developer tool and set view's dimension as below:

[Landscape/Portrait] setting	Width	Height
Landscape	3840	2160
Portrait	2160	3840

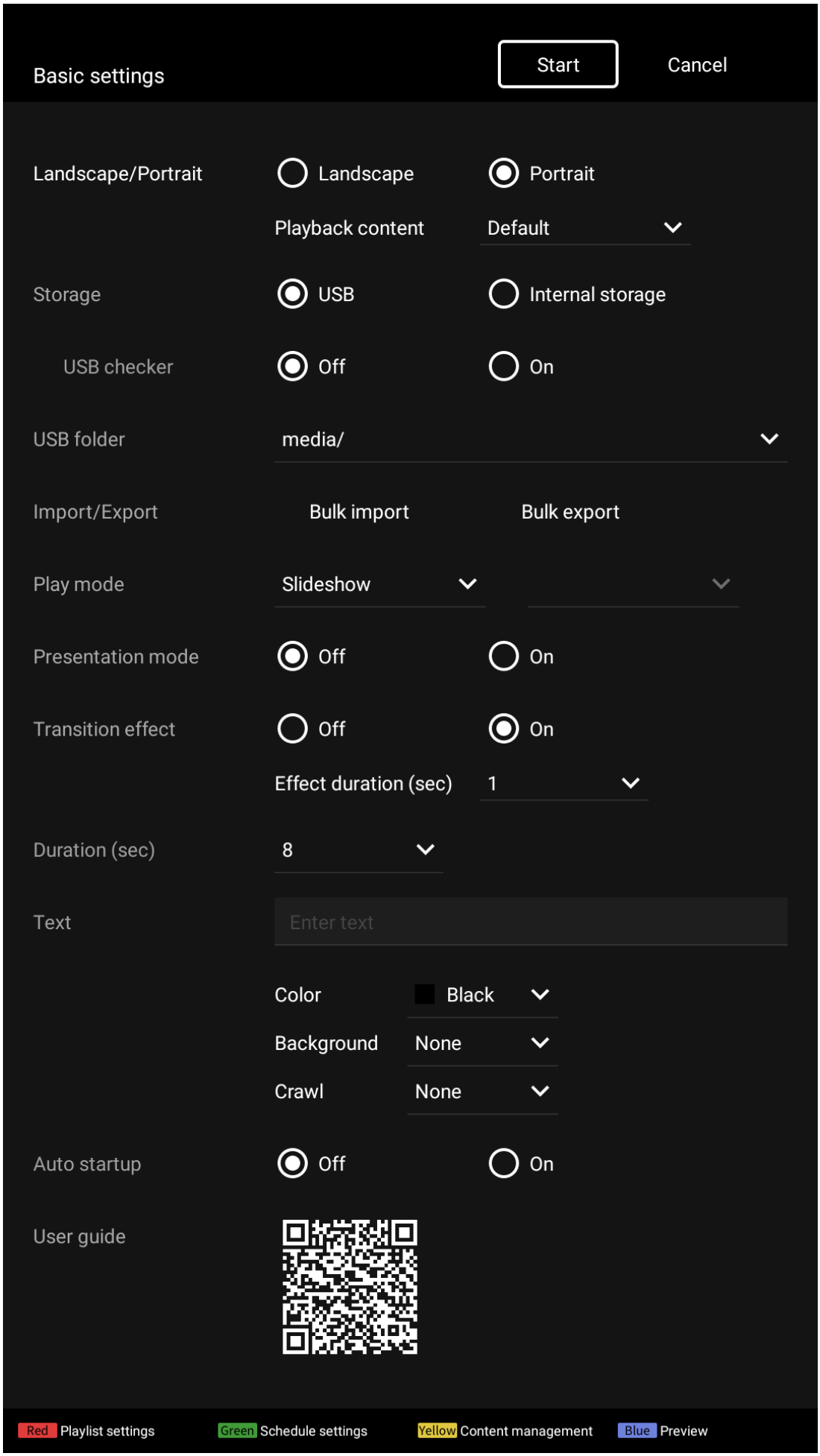
Others

When switching contents, a black image may occur due to loading.

Depending on your model, 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.


Basic settings
Start
Cancel
Landscape/Portrait
Landscape
Portrait
Playback content
Default
Storage
USB
Internal storage
USB checker
Off
On
USB folder
media/
Import/Export
Bulk import
Bulk export
Play mode
Slideshow
Presentation mode
Off
On
Transition effect
Off
On
Effect duration (sec)
1
Duration (sec)
8
Text
Enter text
Color
Black
Background
None
Crawl
None
Auto startup
Off
On
User guide
Red Playlist settings
Green Schedule settings
Yellow Content management
Blue Preview

[Playlist settings] screen

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

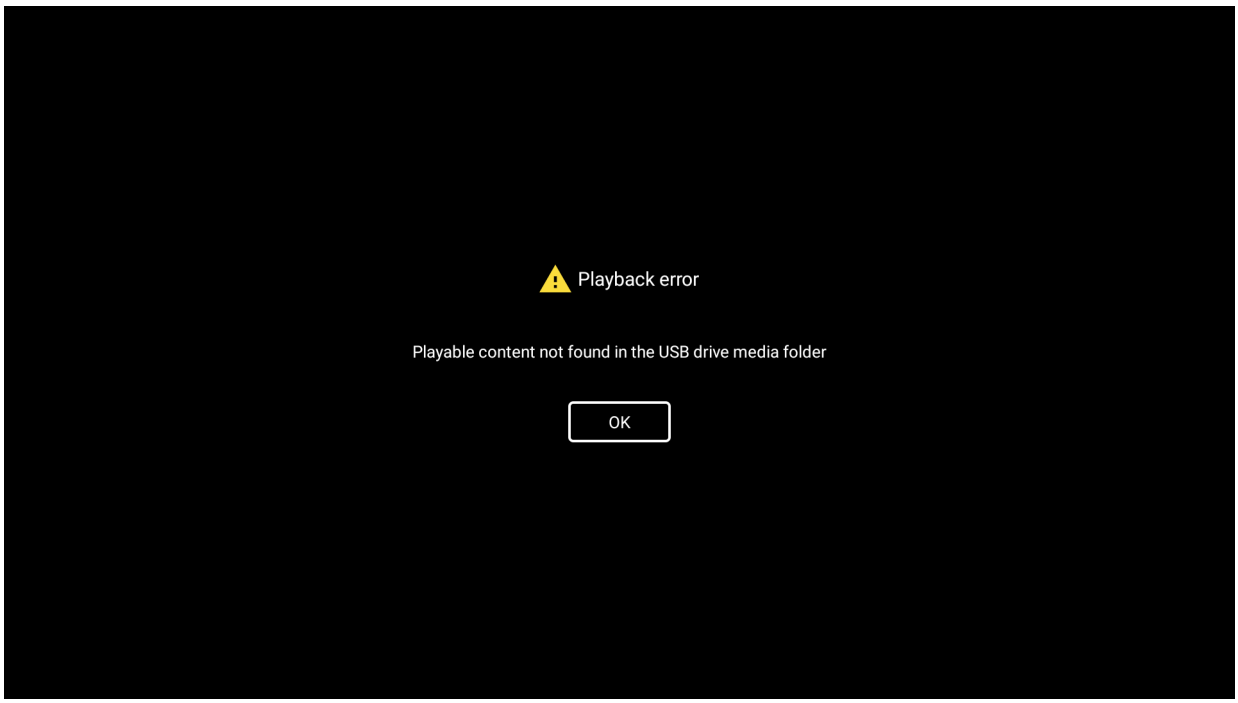
The [Type] is automatically selected according to the content file extension, but the BRAVIA does not differentiate between “Image” and “Image (4K)”. When you select a still image file as [Content], “Image” is automatically selected.

After creating a playlist, you can click on the playlist’s name again to edit it.

If in Portrait Mode:

1. Select playlist to be renamed
2. Click on playlist name again to display the drop-down menu. Scroll to the bottom of the menu.
3. Click on “Rename Playlist” to modify the playlist 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.

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.

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	3840x2160	30 Mbps	60 fps	10 minutes/file
MP4 HEVC	.mp4	16:9	3840x2160	30 Mbps	60 fps	10 minutes/file
MPEG TS AVC/MPEG2	.m2ts	16:9	3840x2160	30 Mbps	60 fps	10 minutes/file

(*1) In portrait mode, vertical videos taller than 2160 pixels (such as 2160x3840) cannot be played.

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	320 kbps	44.1 kHz, 48 kHz	2 channels	10 minutes/file
AAC	.m4a	320 kbps	44.1 kHz, 48 kHz	2 channels	10 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 (4K)(*1)	JPEG	BMP	PNG	GIF	HTML(*2)
MP4 AVC	v (*3)				v	v	v	v	v
MP4 HEVC					v	v	v	v	v
MPEG TS AVC/MPEG2			v (*3)		v	v	v	v	v
Image(4K)(*1)				v	v	v	v	v	v
JPEG	v	v	v	v	v	v	v	v	v
BMP	v	v	v	v	v	v	v	v	v
PNG	v	v	v	v	v	v	v	v	v
GIF	v	v	v	v	v	v	v	v	v
HTML(*2)	v	v	v	v	v	v	v	v	v

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) 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.

(*2) Not seamless depending on HTML content.

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

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 2.1.5

- Add information about portrait mode and full screen playback
- Add the applicable models to the cover
- Update screen labels to match the latest app

BRAVIA Signage Free 2.1.0

- Update screenshots of new UI
- Add information about USB checker lock
- Update information for auto start playback
- Add information about USB folder customization

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