LG
Life's Good

INSTALLATION MANUAL

LG Digital Signage

(MONITOR SIGNAGE)

Please read this manual carefully before operating your set and retain it for future reference.

L15

www.lg.com

Contents

ACCESSING INSTALLATION MENU.....3

INSTALLATION MENU 4

- LG Digital Signage Setup Menu..... 4
- USB Cloning 12
- Password Change.....17
- Set ID Setup.....18
- Configuration Setup 19
- Lock Mode 20
- External Speaker.....21
- Fail Over.....22
- ISM Method.....24
- Easy Brightness Control 28
- SuperSign Server Setup.....29
- Holiday Schedule 30
- No Signal Image 31
- Digital Signage Media Player.....32

Accessing Installation Menu

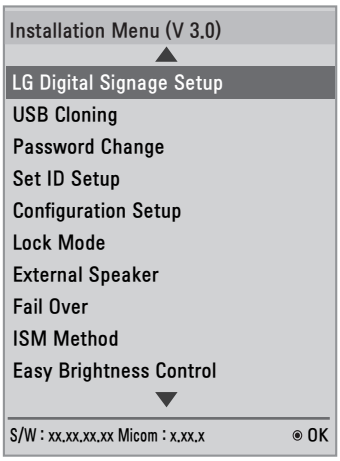
1 Press and hold the SETTINGS button for more than 5 seconds.

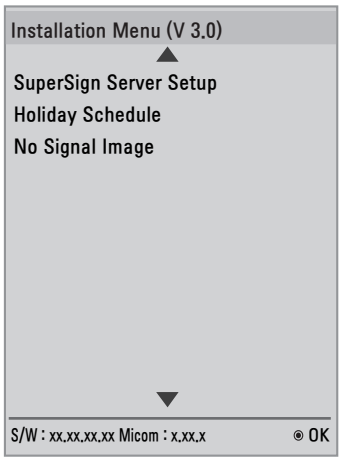


2 Enter the correct password (default: 0000) and press the OK button.



3 When the Installation Menu is displayed, select the desired item.





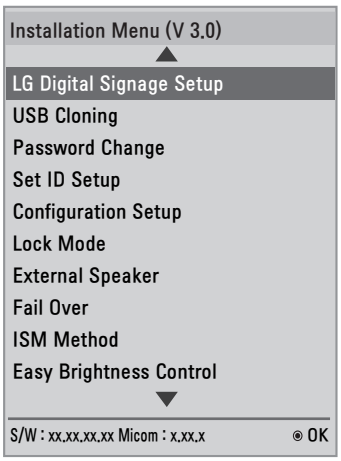
Installation Menu

NOTE

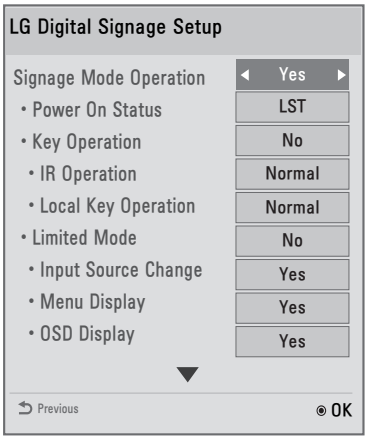
- Default values may differ by region.

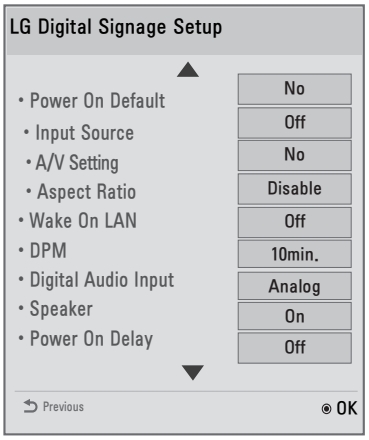
LG Digital Signage Setup Menu

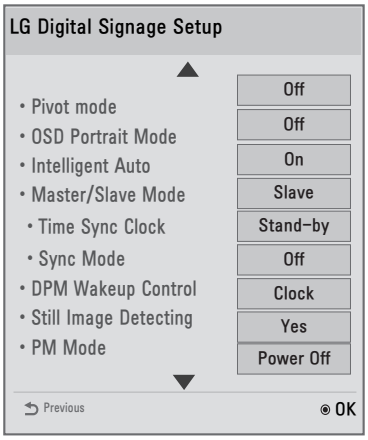
Use this menu to configure the Digital Signage after installation.













Signage Mode Operation

- Enable or disable all Signage Mode Operation functions by setting the feature to Yes or No.
- If you set Signage Mode Operation to Yes, all Signage Mode functions are enabled.
- If you set Signage Mode Operation to No, all Signage Mode functions are disabled, and the product operates with its default settings.
  (Depending on the model, this feature may not be supported.)

Power On Status

- You can select the operating status of the monitor when the main power is turned on.
- You can choose PWR, STD, or LST.
- PWR sets the monitor status to On whenever the main power is turned on.
- STD sets the monitor status to Standby when the main power is turned on.
- LST sets the monitor status back to its previous status. As in Power Backup mode, if you turn off the main power while the monitor is turned on, the monitor status changes back to On. Also, if you turn off the main power while the monitor is in standby mode, the monitor goes into standby mode.
  (This feature may not be available with some models.)

Key Operation

- This feature allows you to manage the usability and operation of the local/front keys and your remote control. It works according to the "IR Operation" settings.
  (This feature may not be available with some models.)

IR Operation / Local Key Operation

- This feature allows you to set how the product operates after receiving a signal from a LG remote control or local key. (0 - Normal, 1 - Use PWR Only, 2 - Block All)
- Selecting 'Block All' blocks any signal coming from a LG remote control/local key. (Power On feature is available.)
- Selecting 'Use PWR Only' blocks any signal coming from a LG remote control/local key, except the Power button.
- Selecting 'Normal' enables signals from any LG remote control/local key to be received normally.
- There are keys that must be operated in 'Service mode' when 'Use PWR Only' or 'Block All' is selected: In-Start, In-Stop, Power-Only, ADJ, Installation Menu, P-Check, and S-Check.
  (This feature may not be available with some models.)

NOTE

- When all IR key signals or all local key signals are blocked, the "Power On Status" value switches to "PWR". Changing this value is not impossible to ensure the correct powering on operation. (To prevent mistakes by the user)

Limited Mode

- This feature allows you inhibit the operations of particular Signage functions. This feature works according to the 'Input Source Change', 'Menu Display', or 'OSD Display' settings.
  (This feature may not be available with some models.)

Input Source Change

- Enable or disable input source changes by setting this feature to Yes or No.
- If you set this feature to No (changes disabled), the INPUT key is disabled.
- If you set this feature to Yes (changes enabled), the input source can be changed.
  (This feature may not be available with some models.)

Menu Display

- Setting this feature to Yes will display the menu. Setting this feature to No will hide the menu.
- However, even if you have set this feature to No, you can easily open the Installation Menu by pressing and holding the Menu button for more than 5 seconds.
  (This feature may not be available with some models.)

OSD Display

- Enable or disable OSDs by setting this feature to Yes (displayed) or No (not displayed).
- If you set this feature to No (not displayed), OSDs other than Installation Menu are not displayed.
  (This feature may not be available with some models.)

Power On Default (Input Source, Video Setting, Aspect Ratio)

- You can configure 'Input Source', 'A/V Setting', and 'Aspect Ratio' after the monitor is turned on.
- You can set this feature to Yes (enabled) or No (disabled).
- If you set 'Power On Default' to No, the settings for 'Input Source', 'A/V Setting', and 'Aspect Ratio' are not applied.
- If you set 'Power On Default' to Yes, the settings for the menus above are applied.
  (This feature may not be available with some models.)

Input Source

- This feature allows you to set whether to use a new input source or a pre-existing input source.
- Set 'Input Source' to Off to use the pre-existing input source.
- You can use any of the sources supported by the given model as the input source.
- If both 'Input Source' and 'On Time' have been set, 'Input Source' takes priority.
  (This feature may not be available with some models.)

A/V Settings

- When your monitor is powered on, you can set certain video options.
- If you set this feature to Yes, the video settings configured before entering the Installation Menu are saved. In addition, even if you changed the video settings before turning off the monitor, the saved settings are restored when you turn the monitor on again.
- Saves video settings: Picture Mode, DPM Select, Smart Energy Saving, Backlight, Contrast, Brightness, Sharpness, Color, Tint, and Color Temp.
- Saves audio settings: Sound Mode and Balance.
  (This feature may not be available with some models.)

Aspect Ratio

- This feature allows you to set the screen aspect ratio applied to your monitor when turned on.
- Selecting 'Disable' sets the screen aspect ratio to 'Aspect Ratio' when the monitor is turned on.
- Selecting 'Set By Program' sets the screen aspect ratio to 'Set By Program' when the monitor is turned on.
- Selecting '4:3' sets the screen aspect ratio to '4:3' when the monitor is turned on.
- Selecting'16:9' sets the screen aspect ratio to '16:9' when the monitor is turned on.
  (This feature may not be available with some models.)

Wake On LAN

- Set whether to use the 'Wake On LAN' feature.
- You can set 'Wake On LAN' to On or Off.
- If you set this feature to On, 'Wake On LAN' is enabled and you can turn the product on remotely via a LAN.
- If you set this feature to Off, 'Wake On LAN' is disabled.
  (This feature may not be available with some models.)

DPM

- Set whether to use 'Display Power Management (DPM)'.
- You can set this feature to Off, 5 sec, 10 sec, etc.
- If this feature is not set to Off, the monitor will enter Power Saving Mode when there is no input signal.
- If you set this feature to Off, DPM is disabled.
  (This feature may not be available with some models.)

Digital Audio Input

- You can set the audio for each input as 'Analog' or 'Digital'.
- In the case of RGB input, audio is fixed as 'Analog'.
- In the case of digital input, you can select 'Analog' or 'Digital' for audio.
  (This feature may not be available with some models.)

Speaker

- You can restrict the audio settings by choosing whether or not to use the speakers.
- If you set this feature to Off, audio output is disabled, and you cannot enter the 'Audio' menu.
- If you set this feature to On, audio output is enabled, and the 'Audio' menu is accessible.
  (This feature may not be available with some models.)

Power On Delay

- When multiple monitors are connected, this feature enables the monitors to turn on at specified time intervals to prevent overload. You can choose an interval value between 1 and 250 seconds.
  (This feature may not be available with some models.)

Pivot Mode

- This feature allows you to rotate the screen 180 degrees.
- Both the input signal and OSD rotate.
- You can set this feature to On or Off.
- If you set this feature to Off, the function is disabled.
- If you set this feature to On, the screen rotates 180°.
- If any changes are made, they are applied after reboot.
  (This feature may not be available with some models.)

OSD Portrait Mode (Off, 90, 270)

- This feature allows you to rotate the OSD clockwise.
- You can set this feature to Off/90/270.
- If you set this feature to Off, the function is disabled.
- If you set this feature to 90, the OSD rotates clockwise 90 degrees.
- If you set this feature to 270, the OSD rotates clockwise 270 degrees.
  (This feature may not be available with some models.)

Intelligent Auto

- You can set this feature to On (enabled) or Off (disabled).
- If you change the screen resolution after setting this feature to 'Yes', the display is automatically adjusted to the new resolution.
  (This feature may not be available with some models.)

Master/Slave Mode

- This feature allows you to sync monitors connected via RS-232C.
- When various monitors are connected via RS-232C, the forefront monitor becomes the Master.
- Once the Master is selected, the rest become Slaves.
- If you want to change the Master monitor, you must change it in Master/Slave Mode.
  (This feature may not be available with some models.)

NOTE

- The Master/Slave Mode menu is only enabled when Picture ID is set to Off.
- When entering or editing Master/Slave Mode, the menu cursors on the Slave monitors may not be moved.

Time Sync Clock

- This feature syncs the Slave monitors' clocks to the Master monitor's at a specified time via RS-232C.
- On the Master monitor, you can set the sync time as well as setting Time Sync Clock to Off .
- You can select a sync time between 0:00 - 23:00.
- While Time Sync Clock is performed, RS-232C control of other commands may not work.
  (This feature may not be available with some models.)

NOTE

- To synchronize Time Sync Clock, be sure to set each slave monitor's clock so that they are at least one minute later than the master monitor's clock.
- If the Clock setting is Auto, the setting is changed to Manual when Time Sync Clock runs.

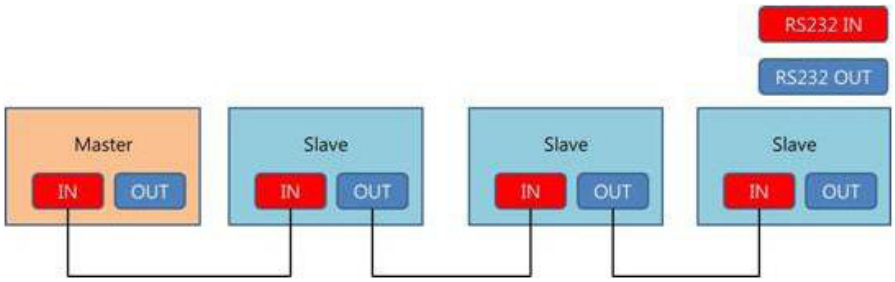
Sync Mode

- This feature allows you to sync the start times of contents (videos or images that have been distributed by SuperSign Software) played back on the Master and Slave monitors.
- If you set Sync Mode to Off, the sync feature is disabled.
- A Slave monitor plays contents at the same time as the Master monitor.
- While Sync Mode is performed, RS-232C control of other commands may not work. (This feature may not be available with some models.)

Sync Mode

(Only for SE3C models.)

- The Sync feature is used to start playing content (video or image) distributed by Elite-W across multiple monitors connected via RS-232C at the same time.
- If set to Off, the Sync feature is disabled.
- If set to Master for a monitor, the monitor is set as the reference monitor.
- If set to Slave for a monitor, the monitor plays content at the same time as the Master monitor.



DPM Wakeup Control

- This feature sets conditions for releasing the DPM status according to the DVI/HDMI's processing of digital signals.
- Clock: Checks the clock signal of the digital signal and, if the clock signal exists, releases the DPM status.
- Sync: Releases the DPM status when both the clock signal and data of the digital signal are entered.

Still Image Detecting

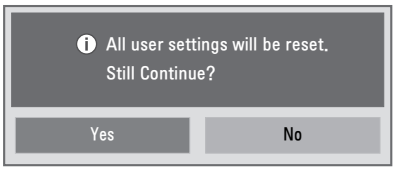
- This feature detects still images.
- If you set this feature to Yes, you can use the RS-232C command for detecting still images.

PM Mode

- This feature activates some of the monitor's functions after it enters Off status, allowing the monitor to remain practically the same as when it is turned on.
- Power Off: All functions remain turned off except some functions (Power, Time, etc.) when the monitor turns off. (Extended Display Identification Data (EDID) may be sustained depending on the input and model.)
- Sustain Aspect Ratio: Sustains Extended Display Identification Data (EDID) even when the monitor is turned off.
- Screen Off: Only turns off the screen and audio when the monitor enters Auto Off/Automatic Standby/DPM. Network-based control is possible.
- Screen Off Always: Has the same function as PM Mode's Screen Off. Entering and releasing the Screen Off status using a remote control is also possible.

Factory Reset

- This feature allows you to restore all set values to their factory default values.
- If you set this feature to Yes, all Signage settings except UTT setting (the Signage panel's operational hours) are restored to their factory default settings.
  (This feature may not be available with some models.)



OPS/PC Power Control

- You can control the power of the OPS (media player) by turning the display power on or off.
- Disable: Disables the PC Power Control.
- Sync (on): Synchronizes the power status of the OPS (media player) only when the monitor is turned on.
- Sync (on/off): Synchronizes the power status of the OPS (media player) with the monitor.
- The PC Power Control feature can be used with the external RS-232C connection of the media player.
  (This feature may not be supported in certain models.)

Interface Selection

- You can configure serial communication with the connected OPS.
- RS-232C: Enables communication with external devices via the serial port.
- OPS: Enables communication via the OPS connected to the product.
- Interface Selection is enabled only when the OPS kit is connected.
  (This feature may not be supported in certain models.)

Check Screen

- The Check Screen feature judges whether there are abnormalities on the edges of the screen. R, G, and B OSDs are formed on the screen at one second intervals and an RGB sensor tests the areas.
- If set to On, the Check Screen feature is enabled.
- If set to Off, the Check Screen feature is disabled.
- If the Portrait mode is set to 90 or 270, the Check Screen feature is off and deactivated.
- If the Pivot mode is On, the Check Screen feature is off and deactivated.
- When the Portrait mode and Pivot mode is off, the Check Screen feature is activated.
  (This feature may not be supported in certain models.)

LG Digital Signage Setup		Initial setting/ Factory Reset	Signage Mode Operation	
Signage Mode Operation	Yes/No	No	Yes	No
Power On Status	STD/PWR/LST	LST	User	LST
Key Operation	Yes/No	No	User	No
IR Operation	Normal/Use PWR Only/Block All	Normal	User	Normal
Local Key Operation	Normal/Use PWR Only/Block All	Normal	User	Normal
Limited Mode	Yes/No	No	User	No
Input Source Change	Yes/No	Yes	User	Yes
Menu Display	Yes/No	Yes	User	Yes
OSD Display	Yes/No	Yes	User	Yes
Power On Default	Yes/No	No	User	No
Input Source	Off/RGB/HDMI/DVI-D /OPS	Off	User	Off
A/V Settings	Yes/No	No	User	No
Aspect Ratio	Disable/Set By Program/4:3/16:9	Disable	User	Disable
Wake On LAN	On/Off	Off	User	Off
DPM	Off/ 5sec./ 10sec./ 15sec./ 1min./ 3min./ 5min./ 10min.	10min.	User	10min.
Digital Audio Input	Analog/Digital	Digital (RGB: Analog)	User	Digital (RGB: Analog)
Speaker	On/Off	On	User	On
Power On Delay	Off, 1 - 250 sec	Off	User	Off
Pivot mode	On/Off	Off	User	User
OSD Portrait Mode	Off/90/270	Off	User	Off
Intelligent Auto	On/Off	On	User	On
Master/Slave Mode	Master/Slave	Slave	User	Slave
Time Sync Clock	Off / Stand-by / 0:00 - 23:00	Stand-by	User	Stand-by
Sync Mode	On/Off	Off	User	Off
DPM Wakeup Control	Clock/Sync	Clock	User	Clock
Still Image Detecting	Yes/No	Yes	User	User
PM Mode	Power Off/Sustain Aspect Ratio/ Screen Off/Screen Off Always	Power Off	User	Power Off
Factory Reset	Confirm			
OPS/PC Power Control	Disable, Sync(On), Sync(On/Off)	Disable	User	Disable
Interface Selection	RS-232C/OPS	RS-232C	User	RS-232C
Check Screen	Off/On	Off	User	Off

** User: User settings

Factory Reset vs. Initial Setting

Item	Factory Reset	Initial Setting
Set ID	User	1
IP	User	Reset to default value "0"

** The rest are the same as each other.

USB Cloning

The administrator can configure a monitor more quickly via USB and configure multiple monitors simultaneously. All monitors that have been configured this way operate according to the settings of the same master monitor. Using this method reduces installation time compared to the standard RS-232C method.

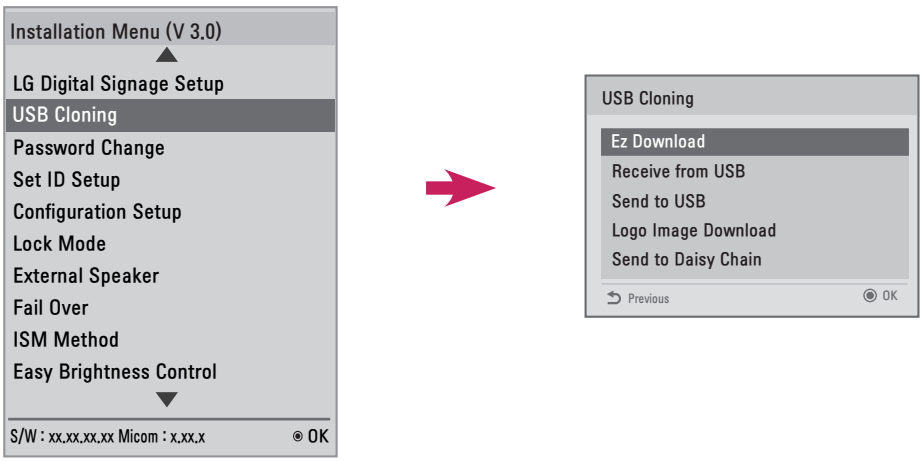
CAUTION

- To use the USB function, make sure to use only USB storage devices formatted as FAT32. USB storage devices formatted as other file systems may not work.

Ez Download

Items such as EPK, TLL, Splash Image, and Micom need to be downloaded.
Because there are many items to download and many downloading methods, users can experience difficulty and inconvenience when downloading. Ez Download was created to facilitate the download process.

1 Select 'Ez Download' using the ∧ or ∨ buttons and press the OK button.

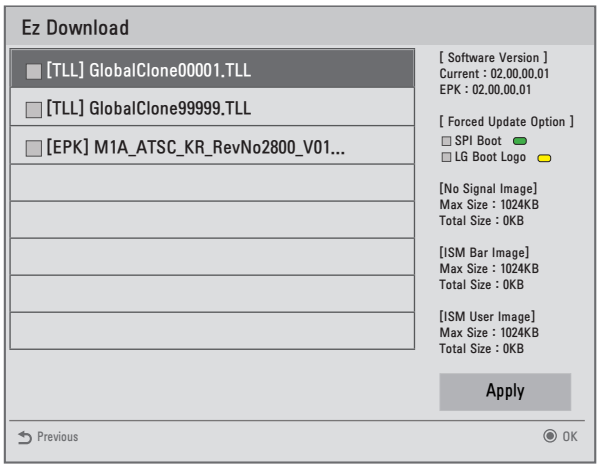


2 Select the items you wish to download from the list and select Apply.
- If you check the EPK item, the Display EPK Version , SPI Boot, and LG Boot Logo items are enabled.
- If you check both the EPK and JPG items, the LG Boot Log item is disabled; if you uncheck the JPG item after wards, LG Boot Log item is enabled.
- If both the Global TLL and Model TLL files exist, only the Global TLL file is displayed.

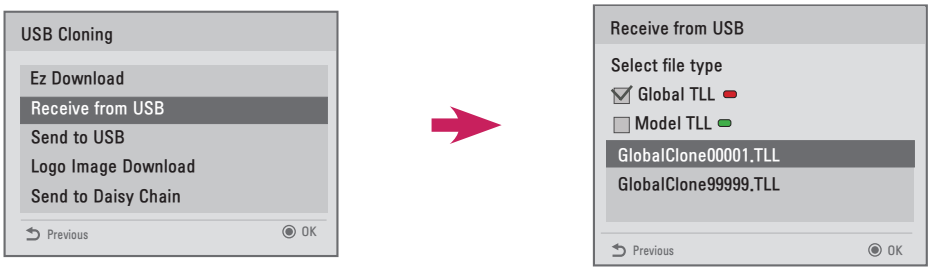
3 The selected TLL, JPG, and EPK items are downloaded in that order. During the download, the Downloading Percent UI for each item is displayed. When the download is complete, the monitor turns off.

NOTE

- No Signal Image Download's UI only displays one language (English) correctly.
- When you download files, only files with English names are displayed correctly.
- An item list for Ez Download can include up to 255 items.



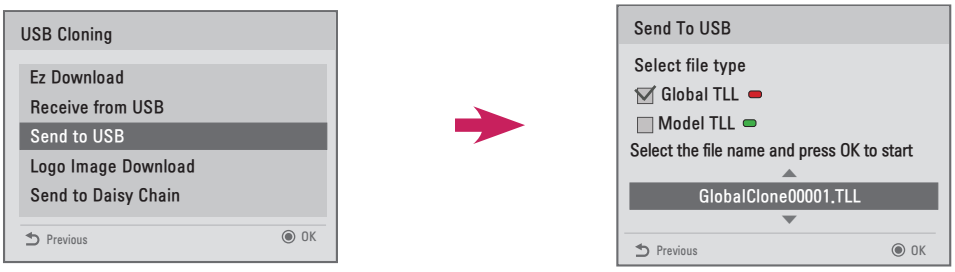
Receive from USB



1 Select the desired files using the ∧ or ∨ buttons and press the OK button.

2 When the download is complete, the monitor goes into standby mode. When the download fails, the screen switches to the initial installation screen.

Send to USB



1 Select the desired files using the ∧ or ∨ buttons and press the OK button.

2 When the download is complete, the screen switches to the initial installation screen.

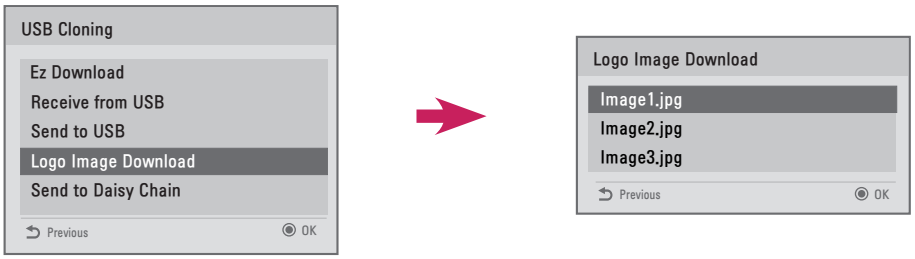
NOTE

- **Model TLL**: Appears under the top-level folder on your USB drive in the form of an xx(model name)xxxxx .TLL. The 'xxxxx' refers to a number. Model TTL files appear only when they are compatible with the given model, and they are transferrable only when the model names match.
  For example, if the model is 43SE3B-5DC, its Model TLL file is saved as a file with any name between xxSE3B-5DC00001.TLL and xxSE3B-5DC99999.TLL.)
- **Global TLL**: Appears under top-level folder on your USB drive in the form of a GlobalClonexxxxx.TLL. The 'xxxxx' refers to a number.
  For example, if the model is 43SE3B-5DC, its Global TLL file is saved as a file with any name between Global-Clone00001.TLL and GlobalClone99999.TLL.)
  (* For a Global TLL file to be cloned, the Model TLL file located in the same folder needs to be deleted or moved to a different folder.)
- When Global TLL and Model TLL files are both present in the top-level folder, press the red button to display the Global TLL file or the green button to display the Model TLL file.

Logo Image Download

This feature allows you to download splash image files onto your monitor.
Create a 'LG_MONITOR' folder on your USB flash drive and copy a splash image file into the folder.

1 Select the desired image file using the ∧ or ∨ buttons and press the OK button.



2 Wait until the download is complete. When the download is complete, the monitor turns off and on again.

3 When the monitor turns on, you can see your new splash image.

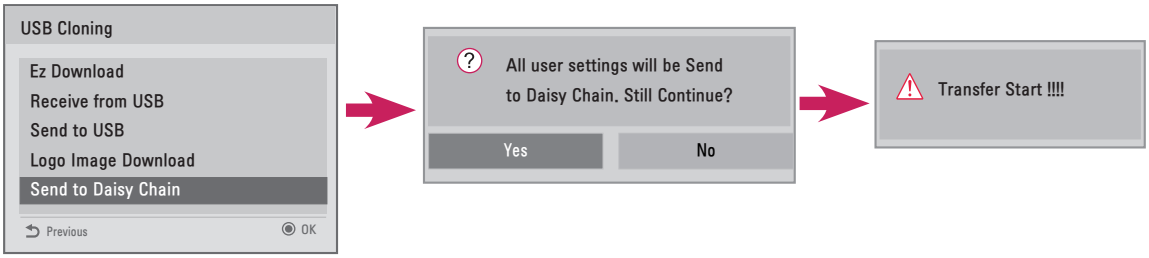
NOTE

- Only JPEG files 1 MB or smaller can be used as splash images.
- Progressively encoded JPEG files are not applicable.
- Make sure that splash images have a resolution suitable for the screen resolution of the monitor.
- The maximum resolution for a splash image is Full HD, 1920 x 1080 and HD, 1360 x 768. The minimum resolution for a splash image is 64 x 64.

Send to DaisyChain

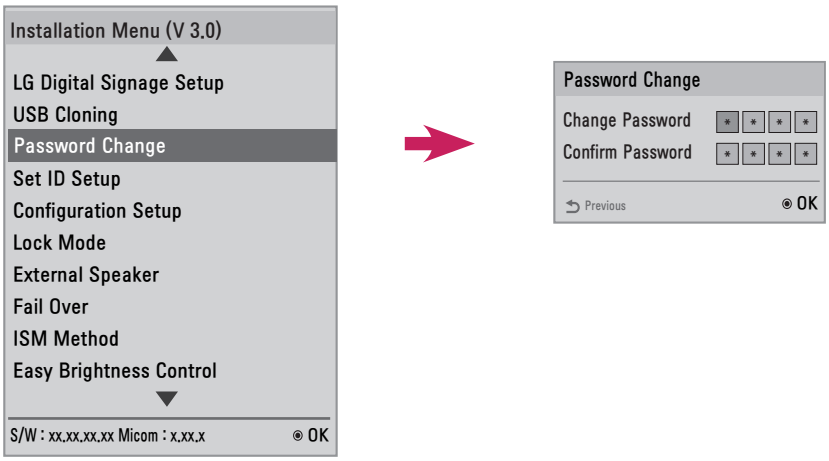
This feature allows you to copy the settings of a monitor to other monitors using RS-232C.

1. Transfer the settings of your current monitor to other linked monitors via RS-232C outputs.
2. The settings of the foremost monitor are copied, while the settings for other monitors in the RS-232C daisy-chain are not.
3. Select Send to DaisyChain, then select Yes to transfer the data or select No to go back to the previous menu.
4. Repeat this until all monitors that are connected to the current monitor's RS-232C output port turn off. After the monitors turn off, turn them on and check if the settings have been copied.
   (This feature may not be available with some models.)



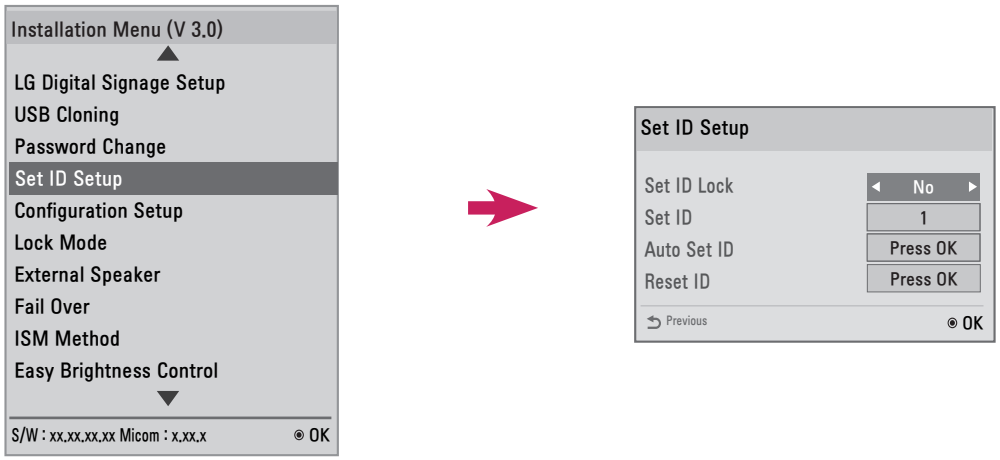
Password Change

You can change your password for security purposes.
Enter a new 4-digit number in Change Password.
Enter the same number again in Confirm Password to confirm the password.



Set ID Setup

This feature allows you to set an ID for the product.



Set ID Lock

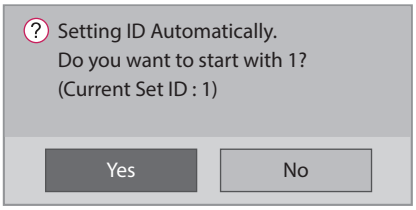
- You can enable Set ID Lock by selecting "Yes" or cancel Set ID Lock by selecting "No".

Set ID

- Pick and enter a number between 1 - 255 (1 - 1000, with some models) for the Set ID.

Auto Set ID

- This feature sets an ID for the product automatically.



- If you set this feature to Yes, all monitor in the RS-232C daisy-chain are assigned a sequential Set ID, starting with 1.
- If you set this feature to No, Set IDs are assigned to the monitor sequentially, starting with the foremost set.
- A Set ID cannot be decreased from its current value. Therefore, it is recommended that you execute Reset ID before using this feature.
- Execution time may vary depending on the installation environment.
- If the Auto Set ID operation is not completed normally, turn the product off and on, and then try again.
- The Yes/No options only work on the foremost monitor in the daisy-chain.
  (This feature may not be available with some models.)

Reset ID

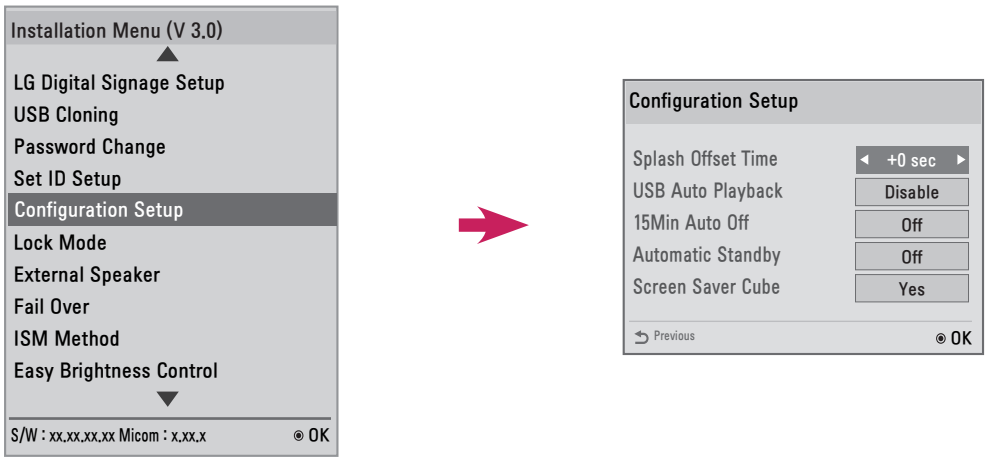
- This feature initializes the Set ID of the product.
- After execution, the Set IDs of all monitor in the RS-232C daisy chain are reset to 1.
  (This feature may not be available with some models.)

NOTE

- Be sure to execute Auto Set ID/Reset ID when Picture ID is set to Off.

Configuration Setup

This feature enables a detailed configuration of the product.



Splash Offset Time

- This feature controls the amount of time a splash image is displayed.
- You can select a time between 0 and 10 seconds.

USB Auto Playback

- This is a feature that automatically plays video or photo files from your USB storage device.
- This feature is activated when you connect a USB device to your monitor or when you turn on your monitor with a USB device connected to it.
- Video and photo files must be located in the root folder, in the first partition of your USB storage device.
- Video or photo files located here will play back repeatedly.

NOTE

- Contents stored on the USB storage device connected to USB 1 are played back if USB storage devices are connected to both USB 1 and USB 2.

15 Min Auto Off

- Set whether to use 15 Min Force Off.
- This feature can be set to On or Off.
- On: If there is no signal for 15 minutes, the product turns off.
- Off: 15 Min Force Off is disabled.
- It is recommended that you set this feature to Off if you intend to use the product for long periods of time.

Automatic Standby

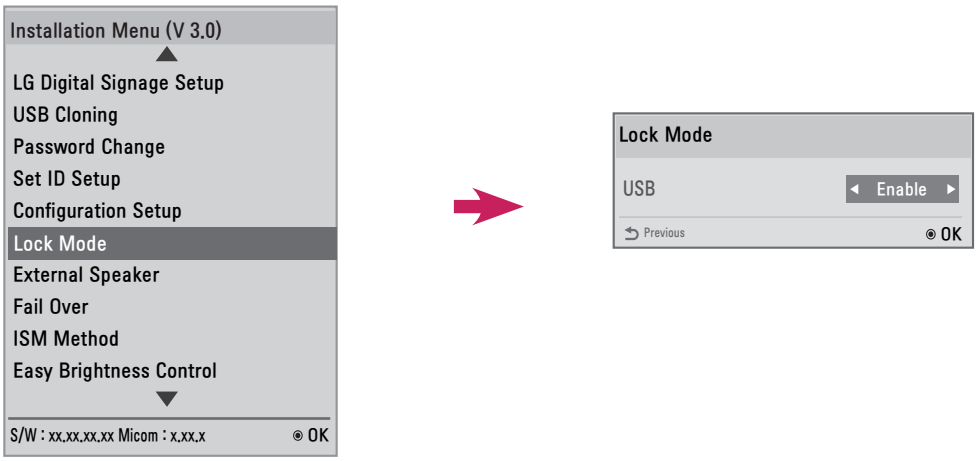
- Set whether to use 4 Hours Off.
- This feature can be set to On or Off.
- If you set this feature to On, the product turns off if there is no input from the remote control for 4 hours.
- If you set this feature to Off, 4 Hours Off is disabled.
- It is recommended that you set this feature to Off if you intend to use the product for long periods of time.

Screen Saver Cube

- This Screen Saver feature lets you enable/disable the 360-degree-rotating LG Cube which appears on the screen when there is no signal.

Lock Mode

This feature allows you to select an input that you want to restrict. The selected input is automatically restricted according to your settings.

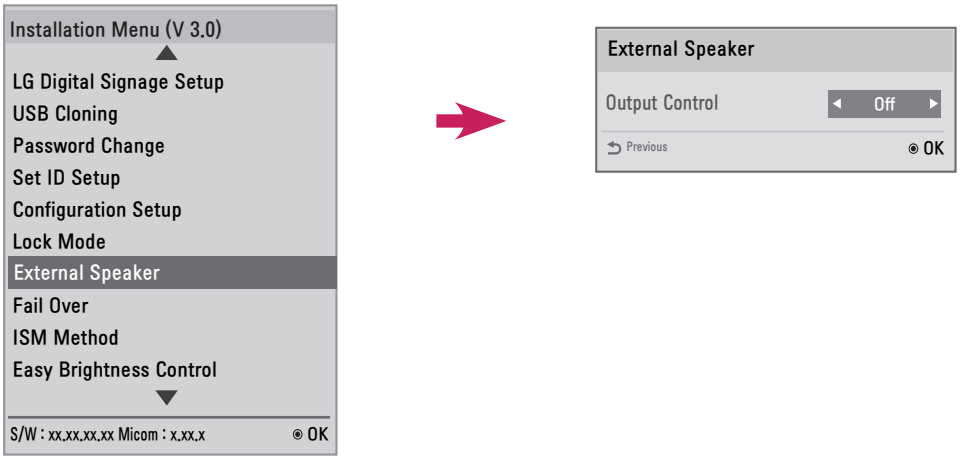


USB

- Enables/disables USB input. The following will happen when USB input is disabled:
- The pop-up window that appears when a USB disk is connected to your monitor is blocked.
- You cannot enter 'My Media' in the menu.
- You cannot enter 'USB Input' in the Input List.
- 'USB Auto Playback' is set to No, and input is not possible. (* However, you can download software updates and Welcome Screens.)

External Speaker

This feature enables the transfer of analog/digital audio signals from your monitor to external devices.



Output Control

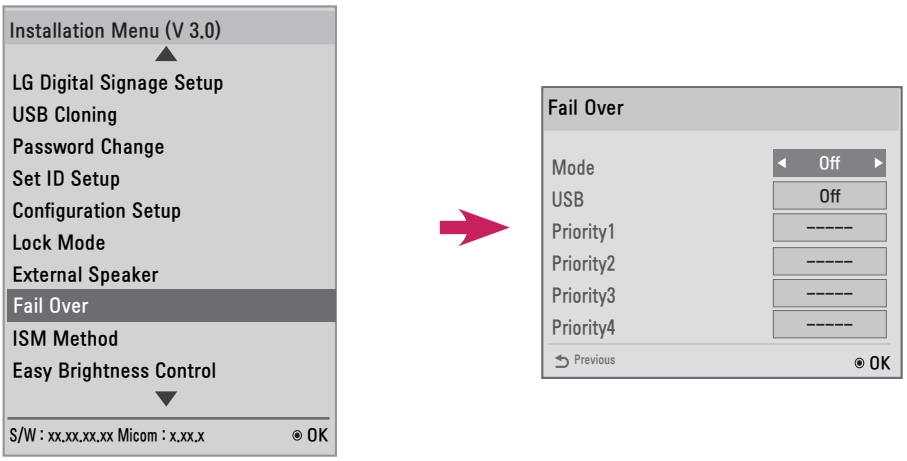
- Off: Does not transfer audio signals to external devices.
- Fixed: Outputs the volume at a fixed level.
  (The volume of an external audio device cannot be muted.)

NOTE

- When connecting an external audio device to your monitor, be sure to use one with a built-in audio amplifier.

Fail Over

This feature enables automatic switching to another input signal when there is no signal from the current input.



You can set Mode to Off, Auto, or Manual.

- Off: Fail Over is disabled.
- Auto: If there is no signal from the current input, the product input switches to a different input that has a video signal following a specified order (*see table).
- Manual: You can set switching priorities for inputs when there is no signal. If there are a multiple video signals, the current input switches to the input with the highest priority.

You can set USB to Off, Movie, or Photo.

- Off: Fail Over USB is disabled.
- Movie: If you set this feature to Auto, a movie is played back when there is no input signal. If you set this feature to Manual, a movie is played back when there is no signal from any of the prioritized inputs.
- Photo: If you set this feature to Auto, a photo slideshow is played back when there is no input signal. If you set this feature to Manual, a photo slideshow is played back when there is no signal from any of the prioritized inputs.

Fail Over priority when set to Auto

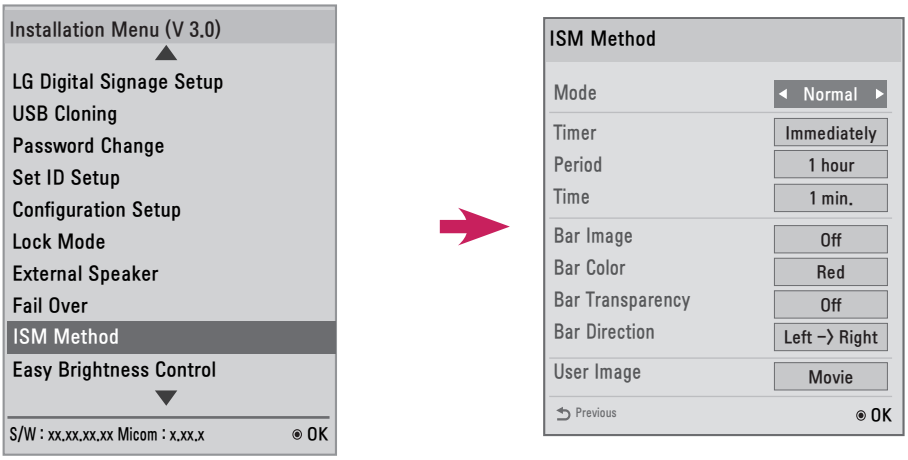
Current source	1st change	2nd change	3rd change	4th change	5th change
RGB	HDMI	DVI-D	OPS	USB Auto play	RGB NO SIGNAL
DVI-D	HDMI	OPS	RGB	USB Auto play	DVI NO SIGNAL
HDMI	DVI-D	OPS	RGB	USB Auto play	HDMI NO SIGNAL
OPS	HDMI	DVI-D	RGB	USB Auto play	OPS NO SIGNAL

NOTE

- The number of priorities may vary depending on the model.
- If you set Mode to Off, all of its sub-options are disabled.
- If you set Mode to Auto, the Priority menus are disabled.
- If you set USB to Movie or Photo, the USB Auto Playback option in Configuration Setup is disabled, and the corresponding function is also disabled.
- If you set the USB Auto Playback option in Configuration Setup to Movie or Photo, the USB option in Fail Over is disabled, and the corresponding function is also disabled.
- When the USB option in Lock Mode is disabled, both the USB Auto Playback option and Fail Over's USB option are disabled, and the corresponding functions are also disabled.
- For the Fail Over USB function to work, your USB drive must have a FAIL_OVER or fail_over folder, as well as valid contents (movies and images).
- If your USB drive does not have either a FAIL_OVER/fail_over folder or contents, the default USB pop-up menu appears when the Fail Over USB function is performed.
- The USB Fail Over function does not work after the distribution of contents (or the playback of a contents schedule). However, if a Fail Over event occurs (input signal connection/change to Fail Over USB option/USB reconnection), the Fail Over USB function works.
- USB Fail Over does not work during playback of a contents file or while in standby for the playback of a contents schedule.
- USB Fail Over does not work during software updates, including EZ Download.
- Contents stored on the USB storage device connected to USB 1 are played back if USB storage devices are connected to both USB 1 and USB 2.

ISM Method

If a still image is displayed on the screen for an extended period of time, image sticking can occur. The ISM method is a feature that prevents image sticking.



Mode

- Normal: Disables the ISM method.
- Inversion: Inverts screen colors to remove image sticking.
- Orbiter: Moves the image's position on the screen a certain number of pixels at regular intervals in a certain order to remove image sticking.
- White Wash: Displays a white pattern to remove image sticking.
- Color Wash: Alternately displays a white pattern and a color pattern to remove image sticking.
- Washing Bar: Displays a bar on the screen to make the image move smoothly.
  (If you select Washing Bar, Bar Image, Bar Color, or Bar Transparency is enabled.)
- User Image: Plays your photos or movies using a USB storage device.

Timer

- Immediately: Performs the ISM function immediately after the ISM Method menu window disappears. The Period/Time option is disabled.

  a) Inversion: Inverts the screen every 30 minutes.
  b) Orbiter: The image moves 3 pixels every 2 minutes in a certain order.
  c) User Image: Displays the image on repeat until you press the EXIT button on your remote control.
- Repeat: Performs the ISM function for a specified amount of time in each period. (Period and Time are only enabled when Repeat is selected.)

  a) Inversion: Inverts the screen for a specified amount of time and then restores the screen to its original settings. The period will be calculated again after the screen is restored.
  b) Orbiter: Moves the image 3 pixels at specified time intervals. In Repeat mode, the Orbiter function is terminated only when a movie is output or when there is a button input from the remote control. After the termination of the Orbiter function, the period will be calculated again.
  c) User Image: You can terminate User Image by pressing the EXIT button on your remote control before a specified time passes. After termination of the User Image function, the period will be calculated again.

Period

- You can set the period between 1 and 24 hours.
- When there is a button input from your remote control, this function is terminated and the period is calculated again.

Time

- You can select from among 1 - 10 mins / 20 mins / 30 mins / 60 mins / 90 mins / 120 mins / 180 mins / 240 mins
- The ISM function is performed for a specified period.

NOTE

Still Image Detecting and **ISM Method**

- If you set Still Image Detecting to Yes, the ISM function starts when the amount of time the image has been still reaches a specified period. When a movie is output, the function is terminated and the period is recalculated.
- If you set Still Image Detecting to No, the ISM function starts when the amount of time no button input from the remote control is detected reaches a specified period.

Bar Image

- Off: Displays a bar with a fixed resolution of 300 x 1080, then moves the bar.
- On: Displays a user-downloaded image, and moves the image.

NOTE

- Images can be displayed at your desired size without a size limit. (However, the image height is fixed at 1080.)
- If only one image is downloaded, the image is displayed alone and the bar moves.
- If multiple images are downloaded, the images move alternately fading in and out of each other.
- Each of the downloaded images is displayed once per cycle.

How to Download an ISM Bar Image in Ez Download.

1 In order to download an image in Ez Download, there must be an image file in an 'ism_bar' or 'ISM_BAR' folder on your USB storage device.

2 Delete the existing contents stored on internal memory before downloading a new image file.

3 Add [ISMBAR] as a prefix to the name of a file to distinguish the file from others (EPK, Logo, No Signal, etc.).

4 Download ISM photos or movies in Ez Download.

NOTE

- You can download multiple images up to 5 MB combined.
- The total bit size of images must be under 50 MB.
  For example, in the case of a 500 KB image with a resolution of 1920 x 1080, its bit size, as calculated by image decoding, is about 7.91 MB (1920 * 1080 * 32 bit / 1024 / 1024 / 8).
  Therefore, if you download 7 images of the same size, the total size of the images is about 3.5 MB, which falls within 5 MB, but because its total bit size is 7.91 MB * 7 = 55.3 MB, they cannot be downloaded.

Bar Color

- You can choose from six colors: red, green, blue, white, black, and gray.
- This feature is only applicable when Bar Image is set to Off.

Bar Transparency

- Off: Displays the bar opaquely.
- On: Displays the bar translucently.

Bar Direction

- Left -> Right: The bar moves from left to right.
- Right -> Left: The bar moves from right to left.

User Image

- This feature enables the playback of your desired photos and movies using your USB storage device.
  (If you select User Image, the contents options of Movie and Photo are enabled.
  - Movie: Plays movies stored in the ISM (or ism) folder on your USB storage device
  - Photo: Plays a slide show of images stored in the ISM (or ism) folder on your USB storage device.
- If both USB 1 and USB 2 are active, the User Image feature is performed on the device connected to USB 1.
- While User Image is performed, menus are not displayed until you press a key.
  If you press a key, menus are displayed and you can change settings.
- The User Image feature is performed on the USB 1 device if USB storage devices are connected to both USB 1 and USB 2.
- While User Image is performed, USB 1 and USB 2 must be unoccupied for the playback of contents stored on internal memory.
- When there is no valid folder/contents, no action is performed.
- You can store movies and photos on internal memory using Ez Download.

How to Download an ISM Photo/Movie in Ez Download.

1 In order to download a user image in Ez Download, there must be a user image file in an 'ism' or 'ISM' folder on your USB drive.

2 Delete the existing contents stored on internal memory before downloading a new image file.

3 Add [ISMPHO] as a prefix to the name of a file for photos or [ISMMOV] if the file contains movies, to distinguish the file from others (EPK, Logo, No Signal, etc).

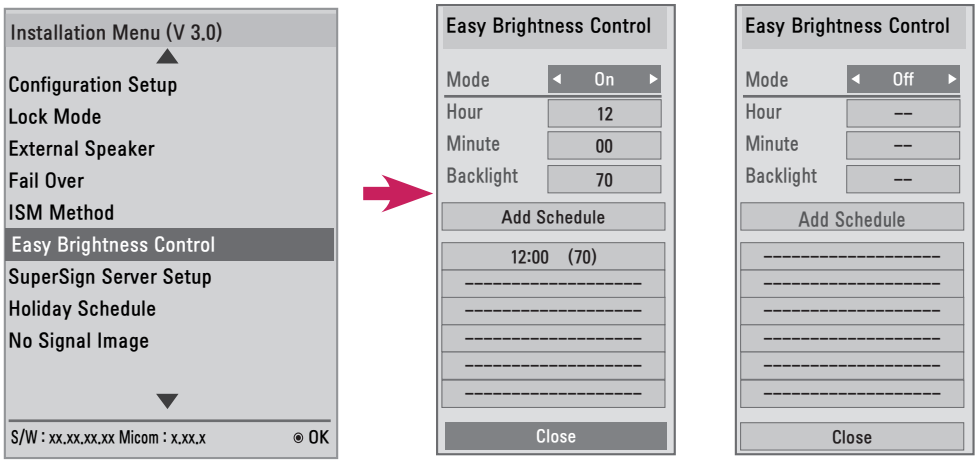
4 Download ISM photos or movies in Ez Download.

NOTE

- You can download one movie file of up to 30 MB.
- You can download multiple photos of up to 5 MB combined.

Easy Brightness Control

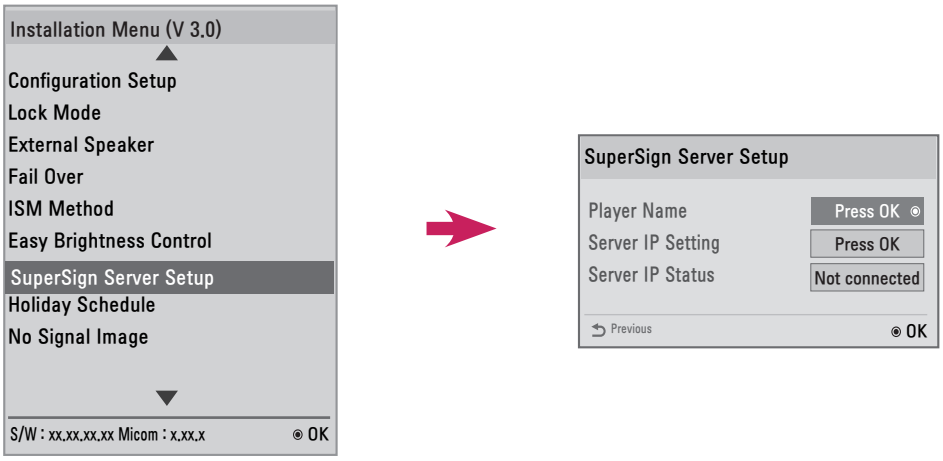
The backlight is adjusted according to your schedule(s).



- The backlight is adjusted according to your schedule(s).
- You can set this feature to On (enabled) or Off (disabled).
- Easy Brightness Control is disabled if the current time is not set.
- Easy Brightness Control is disabled if Energy Saving is set to Maximum.
- You can add up to six schedules, and they are sorted in ascending order by time.
- If more than six schedules are added, the latest schedule is automatically deleted.
- You can delete a schedule by selecting it from the list and pressing the OK button.
- Duplicate schedules are not added. However, the backlight value is renewed.
  (This feature may not be available with some models.)

SuperSign Server Setup

This feature is designed for linkage with SuperSign Manager.



Player Name

- You can set the name of a player you want to control in SuperSign Manager. (You can enter up to 20 characters.)

Server IP Setting

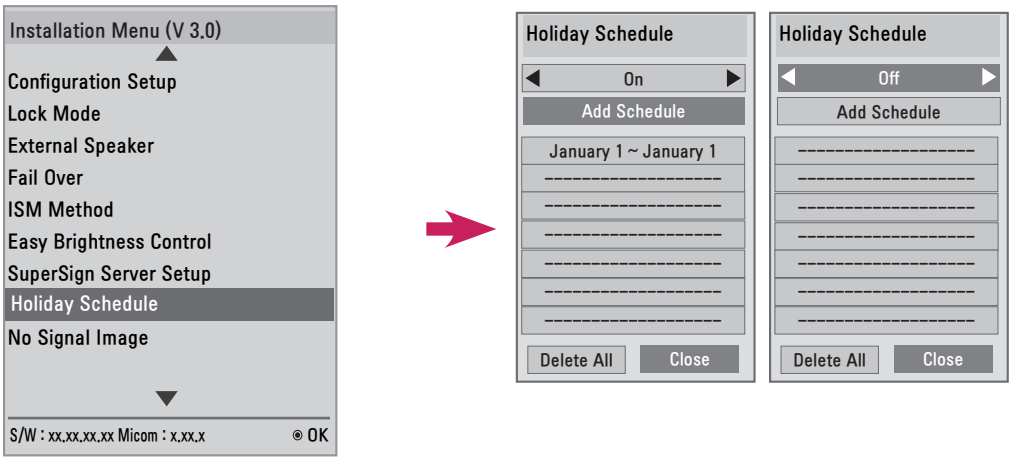
- You can set the IP address of the computer (server) on which SuperSign Manager is installed.

Server IP Status

- This feature displays the status of the connection between your monitor and the SuperSign server.
  - Not connected: Your monitor is not connected to the SuperSign server.
  - Waiting for Approval: Your monitor is connected to the SuperSign server but has not yet been approved.
  - Rejected: Your monitor is connected to the SuperSign server but has been rejected.
  - Connected: Your monitor is connected to the SuperSign server and has been approved.

Holiday Schedule

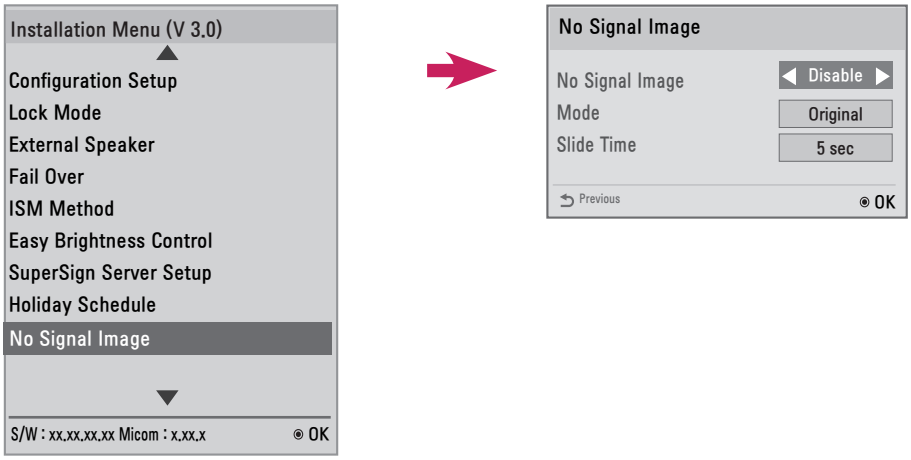
This feature allows you to specify holidays (unit: day) when the product will not be used.



- Holidays are specified according to your schedule(s).
- You can set this feature to On (enabled) or Off (disabled).
- Holiday Schedule is disabled if the current time is not set.
- You can add up to seven schedules.
- Duplicate schedules cannot be added.

No Signal Image

This feature allows the screen image to be changed when there is no signal.



- You can use the default image of "No Signal" or a new image by disabling or enabling the No Signal Image feature.
- You can change the image size to Full, Original, or Fit in the Mode option.
- You can set Slide Time if you download multiple images. (5 / 10 / 15 / 20 sec)

How to Download a No Signal Image in Ez Download

1 In order to download an image in Ez Download, there must be an image file in an 'lg_sig' or 'LG_SIG' folder on your USB drive.

2 Delete the existing contents stored in internal memory before downloading a new image file.

3 Select the image(s) you want to download. Please make sure that the Total Size in the right-hand corner of the Ez Download menu does not exceed the Max Size 10240 KB (10 MB).

4 Download the image file for No Signal Image in EZ Download.

NOTE

- Only JPEG files 1 MB or smaller in size can be used as No Signal Image update.
- Progressively encoded JPEG files are not applicable.
- The maximum file resolution for a No Signal Image is Full HD, 1920 x 1080 and HD, 1360 x 768. The minimum file resolution for a No Signal Image is 64 x 64.
- No Signal Image files with a resolution of Full HD, 1920 x 1080 can cause image sticking.
- Only No Signal Image files with English names are displayed correctly.

Digital Signage Media Player

The Digital Signage Media Player can play content produced and distributed by SuperSign Elite-W.
Supported content types include external inputs, texts and music as well as photographs, videos and Signage Monitor.

Executable content

*.cts: These files can be played at any time.
*.sce: These files can be played at any time like *.cts files or they can be played to a specific schedule.

Using the My Media menu to play files

- After inserting the USB storage device, access the My Media menu and select an executable content file under the “All Media” tab or the “Contents List” tab to play the file.

Auto-play on USB insertion

- Turning on the main power or inserting a USB device when the main power is on will automatically play executable content in a specific folder.
- If a USB device has already been inserted when the main power is turned on, executable content in the "normal" folder is played by default. If the "normal" folder does not exist, executable content in the "AutoPlay" folder is played.
- If a USB device is inserted some time after the main power has been turned on, executable content in the “AutoPlay” folder is played by default. If the “AutoPlay” folder does not exist, executable content in the “normal” folder is played.
- Autoplay for an inserted USB device is only supported on USB port 1.

Distributing and playing content via SuperSign Elite-W

- If a USB storage device is inserted in USB port #1, the LAN cable is connected and the SuperSign Server settings are configured, content can be received from the SuperSign Elite-W server.
- Schedules can be set to play a variety of specific content or media files, including photos and videos, from SuperSign Elite-W whenever the user wants.
- Messages created by the user can be sent to the player via SuperSign Elite-W.
- For more information, see the SuperSign Elite-W manual.


LG
Life's Good