LG
Life's Good

INSTALLATION MANUAL
LED TV

*LG LED TV applies LCD screen with LED backlights.

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

LN54**
LP36**

P/NO : MFL67859803 (1303-REV00)
Printed in Korea

www.lg.com

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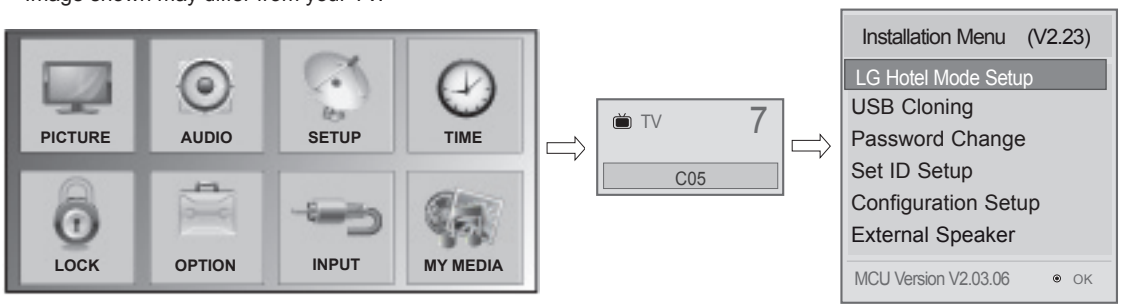
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INSTALLATION MENU

Introduction

The abundant functions for Hotel TV linked with software installation can be projected on OSD as ‘Installation Menu’.
The wide range of hotel features can be performed simply on additional window to enhance the LG hotel TV’s easy installation and convenient operation for Hotelier and System Integrators.

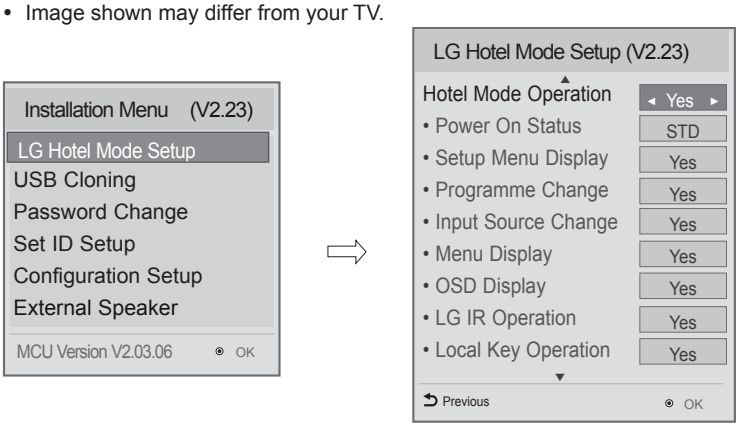
- Image shown may differ from your TV.



1 Press the SETTINGS button for more than 5 seconds using the user remote control, programme information will appear at top left on the screen.
2 Enter a four digit password and press OK button.
  • The TV is set with the initial password “1-1-0-5”.
3 Use the ^ v button to select the desired menu.

LG Hotel Mode Setup

- Image shown may differ from your TV.



1 Use the ∧ ∨ button to select the LG Hotel Mode Setup.
2 Use the OK button and then ∧ ∨ button to select Hotel Mode Operation.
  • When 'Hotel Mode Operation' is set to Yes(work), all function of Hotel Mode apply.

(1) Hotel Mode Operation

- Decide to work all functions of 'Hotel Mode Operation' or not by setting' Hotel Mode Operation' as Yes(Work) or No(Do Not Work)
- When 'Hotel Mode Operation' is set to Yes(Work), all functions of Hotel Mode apply.
- When 'Hotel Mode Operation' is set to No(Do Not Work), all functions of Hotel Mode Do Not apply.
- When it is set to 'Yes', 'Key Lock' item of the User menu is disabled and the OSD is displayed same to the Local Key Operation setting of the Hotel mode.
- When it is set to 'Yes', all items reserved at the Schedule list are deleted and the reservation function is not supported. (applied for the model offering the reservation function)
- The TV triggered by the external device (ex: SIMPLINK, TVLink-Tuner, etc.) operates separately from the Hotel mode.
- When it is set to 'Yes', User Menu-> Option -> 'Factory Reset' is disabled.

(2) Power On Status

- Decide to select working status of TV Set when turn on main power.
- You can set with PWR, STD, LST.
- PWR always make TV set On status when turn on main power .
- STD make Stand-by status when turn on main power.
- LST make TVSet work like previous power status. As same concept as Power Backup mode; If main power were turned off in Power On status, TVSet would work in On status. If main power were turned off in Stand-by status, TVSet would work in Stand-by status.

(3) Setup Menu Display

- Decide to enter 'Setup Menu Display' or not in the 'Main Menu' by setting 'Setup Menu Display' as Yes(Enter Possible) or No(Enter Impossible) on the "LG Hotel Mode Setup" OSD.

(4) Programme Change

- Decide to change channel or not by setting 'Programme Change' as Yes(Change Possible) or No(Change Impossible) when present source is TV.
- When 'Programme Change' is set to No(Change Impossible), Programme Key, Numeral Key, List Key, Q.View Key doesn't work and entering 'Channel Menu' in the Main Menu OSD is impossible.
- When 'Programme Change' is set to Yes(Change Possible), Programme Key, Numeral Key, List Key, Q.View Key does work and entering' Channel Menu' in the Main Menu OSD is possible.
- When 'Programme Change' is set to No(Change Impossible), 'Programme' item in 'On Time' menu will be fixed.
- When 'Programme Change' is set to No(Change Impossible), entering 'Setup Menu' in the 'Main Menu' OSD is impossible regardless of 'Setup Menu Display' item.

(5) Input Source Change

- Decide to change input source or not by setting ‘Input Source Change’ as Yes(Change possible) or No (Change impossible).
- When ‘Input Source Change’ is set to No(Change impossible), TV D/A key, TV/RADIO key and INPUT key doesn’t work.
- When ‘Input Source Change’ is set to No(Change impossible), user’s input (pressing Programme key, numeral key, List key, Q.View key in all Input source except TV source) doesn’t work and when entering ‘Setup Menu’ itemin the ‘Main Menu OSD’ except TV mode doesn’t accepted.
  Because entering ‘Setup Menu’ item makes present mode as TV mode even though present mode is not TV mode.
  For the function that turns to TV mode doesn’t work.
- When ‘Input Source Change’ is set to Yes(Change possible), then changing input source is available.
- When ‘Input Source Change’ is set to No(Change Impossible), TV set always turns on fixed input source and volume information regardless of already set Programme information.
- When ‘Input Source Change’ is set to No(Change Impossible), entering ‘Setup Menu’ except TV mode doesn’t possible regardless of ‘Programme Change’ or ‘Setup Menu Display’ item.
- When this is set to No, it will only be turned on with the volume information in the input source irrelevant from the PR and information set in On Time.

(6) Menu Display

- Function to decide whether work with menu of local key or not.
- Set YES(Work) or NO(Do Not Work).
- Although select NO(Do Not Work), the action that press a SETTINGS button for 5 seconds to enter Installation Menu is available.
- When select Yes(Work), Menu works.

(7) OSD Display

- Decide to display OSD or not by setting ‘OSD Display’ as Yes(Mark) or No(No Mark).
- When ‘OSD Display’ is set to No(No Mark), all OSD is not displayed except installaion menu.

(8) LG IR Operation

- Decide whether work the LG remote control or not.
- Set to Yes(Work) or No(Do Not Work).
- When ‘LG IR Operation’ is set to NO(Not Work), all keys don’t work.
- Although set to No, it can work in Service mode.
- Although set to No, SETTINGS key action to enter the ‘Installation Menu’ and key action to enter Password are available.
- When ‘LG IR Operation’ is set to Yes(Work), all keys are available.

(9) Local Key Operation

- Decide to operate ‘Local Key’ or not by setting “Local Key Operation” as Yes(Work) or No(Do Not Work).
- When ‘Local Key Operation’ is set to No(Do Not Work), all Local Key doesn’t work.
- When ‘Local Key Operation’ is set to No(Do Not Work), Local Key working in service mode is still available.
- When ‘Local Key Operation’ is set to Yes(Work), all Local Key working is available.
- When set both ‘Local Key’ and ‘Remocon Operation’ as No(Do Not Work), Power key of Remocon work as exceptional case.
- Exception : In case of the commercial model, although both IR and Local key operation are set to ‘No’ (no operation), you can operate the IR Power key.

(10) Max Volume

- Decide ‘Max Volume’ between changing range 0~100.
- When ‘Max Volume’ is set, user can change up to set volume value.
- When ‘Max Volume’ is set, volume just goes up to the ‘Max Volume’ value in ‘On Time Menu’.

(11) DTV Channel Update

- It is a mode to set whether to update dtv channel automatically or not.
  When DTV Channel Update is set to 'Auto', the function to update TV's programme map according to DTV programme's stream information.
  DTV Channel Update is set to 'Manual', the function to keep TV's programme map even though DTV programme's information is changed.

(12) Power On Default

- Set the channel to display and Volume Level, etc. when turn on power in AC Power On or Stand-by status.
- Set to Yes(Work) or No(Do Not Work).
- When 'Power On Default' is set to No, it is not applied to the subordinate Programme, Volume, A/V Setting menu.
- When Power On Default is set to Yes, it can set by entering the subordinate menu.

(12-1) Input Source

- Set whether it is turned on by the set input source or by the last stored input source.
- It is turned on by the Last Memory Input if the Input source is turned off.
- It is turned on by the Last Pr. If the Input source is turned off and the Last Memory Input is the RF.
- All sources supported by the said model can be set as Input source. (The Input source value should be rotated.)
- If both the Input source and the ON TIME are set, the Input source takes the priority.
- If the DTV/Radio Channel does not exist at the map, the DTV/Radio is skipped while navigating.
- When the Input source is changed to the DTV/Radio, the Programme No. is set to the first programme of the Channel map of the DTV/Radio.
- When the Input source is changed to the ATV, the Programme No. is set to 0. (If the channel map structure does not support this, it follows the structure of the said model.)

(12-2) Programme

- If the Input source is DTV or ATV, the set programme is played when the power is turned on.
- Only when the Input source is DTV or ATV, it can be entered into the Programme item.
- When the Input source is turned off, the Last input at the time of the power-off is turned on, and when the Last input is the RF, the Last programme is played.
- If the Input source is the DTV, the programme number existing at the programme table can be selected.
- If the Input source is the ATV, 0~(MAX_PR – 1) can be selected. (If the channel map structure does not support this, it follows the structure of the said model.)
- The programme should be rotated.
- If both the programme and the ON TIME are set, the programme takes the priority.

(12-3) Volume

- If both 'Volume' data and 'On Time' is set, but just the value is different, then 'Volume' has priority.
- This sets whether to apply the Volume Level or not when the power is turned on.
- When both the Volume and ON TIME Volume are set and have different values, the Volume Level value is set as the ON TIME Volume value, and cannot move to the ON TIME Volume item.
- The next value for the max volume is OFF. And next it will be changed to 0.

(12-4) A/V Setting

- Set to Yes(Work) or No(Do Not Work).
- If 'A/V Setting' is changed from No to Yes, parameters that are set before entering Installation Menu are applied whenever turn on power.
- Following Parameters are applied to basic.
  - Picture section - PSM mode, Picture Data (Contrast, Brightness, Colour, Sharpness, Tint)
  - Sound section - SSM mode, Sound Data (Balance, Equalizer Data) and AVL and Language, Teletext language, ARC Data.

  Except these, other Parameters are applied differently according to the TVSet.

(13) Radio Video Blank

- Set to Yes(Work) or No(Do Not Work).
- Programme that is set to 'Radio Programme' and only has Sound should decide whether to set 'Video Blank' or not.
- When 'Radio Video Blank' is set to Yes(Work), 'Video Blank' works only in case of Radio Programme.
- When set to No(Do Not Work), 'Video Blank' do not work although it is the Radio Programme.
- This operates only in the Analog TV Mode.

(13-1) Start PR. No.

- Item to set starting programme of Radio Programme.
- Available programmes to set are 0~199.

(13-2) No. of PR.

- Specify the number of programme to set to Radio Programme.
- The max value for the No. of PR is 10.
- Can not set more than maximum available programme number. In other words if Start PR. are set to 95, number of programme can not set more than 5.
- Radio Programme should be in sequence with starting programme.

(13-3) Radio Name Display

- Instead of "Audio Only", the name of a radio channel is displayed on the screen when a radio broadcast is playing.
- Set to Yes(Work) or No(Do Not Work).
- If the setting is "Yes", the name of a radio channel is displayed for the radio channel.
- If the setting is "No", the text "Audio Only" is displayed for the radio channel.

Initial Configuration and Configuration Detail

Item	Active	De-active	Initail
Hotel Mode Operation	Yes	No	No
Power On Status	-	-	STD
Setup Menu	Yes	No	Yes
Programme Change	Yes	No	Yes
Input Source Change	Yes	No	Yes
Menu Display	Yes	No	Yes
OSD Display	Yes	No	Yes
LG IR Operation	Yes	No	Yes
Local Key Operation	Yes	No	Yes
Max Volume	0 ~ 100		100
DTV Channel Update	Auto	Manual	Auto
Power On Default	Yes	No	Yes
Input Source	ATV~MAX_INPUT	Off	Off
Programme	0 ~ (Max PR. - 1)	0	0
Volume	0 ~ 100	Off	Off
A/V Setting	Yes	No	No
Radio Video Blank	Yes	No	No
Start PR. No.	0 ~ 199		1
No. of PR.	0 ~ 10		1
Radio Name Display	Yes	No	No

USB Cloning

An Installer can quickly set up and clone multiple TV sets at a property. These cloned TVs will all have the same Master TV Setup: Public Display Mode Installation Menu settings, User A/V settings and the Channel Map. This newer procedure significantly decreases the installation time that would be necessary if the standard RS-232C method were used instead.

Introduction

(1) Overview USB Cloning Procedure

- Commercial TVs have the capability to support cloning internal TV data and programme information with an external clone device called “USB Cloning”, in order to copy TV data accurately and quickly. The clone internal functions use slightly different internal processes for the two types of commercial TVs. However, the UI of cloning feature remains the same in both.
  Regarding the demands over the current cloning feature for quicker cloning, better portability and etc, we would like to announce the cloning process via USB port, named as USB Cloning.
  USB cloning process is divided into 2 main processes. One is writing the previously saved TV data into the TV, and one another is reading of current TV data into USB memory card. To avoid any confusion due to the words, it is clearly specified as “Receive from USB” and “Send to USB” in the whole process.

(2) Data To Be Cloned

- The data cloned are the same data cloned by previous USB Cloning. Details are explained in the following:

1. TV data includes:
   A. Installer Menu settings
   B. Main menu settings (Audio, Picture etc)

2. Analog / Digital Channel information includes:
   A. Channel numbers
   B. Channel label
   C. Channel attributes including channel type, skipping status and etc.

(3) Input Source

- The user needs a USB memory card with FAT formatted to make successive cloning via USB port. A USB memory card size more than 128 Mega Bytes and less than 4 Giga Bytes is recommended.

NOTE

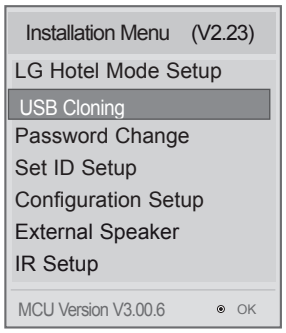
- Currently, support the preceding USB file system for FAT file format only. Other file formats including NTFS is not currently supported. Microsoft Windows officially supports FAT for the USB memory card.

Receive From USB

- Image shown may differ from your TV.

1 Plug USB memory card into the USB port of the TV.

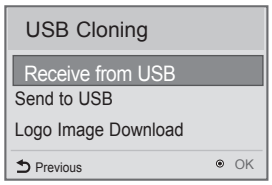
2 Use the ^ v button to select the **USB Cloning** option and then press the **OK** button.



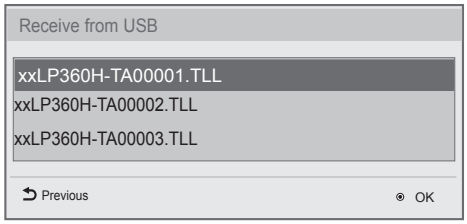
3 Use the ^ v button to select the **Receive from USB** and press the **OK** button.

- **Below explains the naming rules for .TTL files.**

The supported model line will be in the name of the file but the screen size will be listed as “xx”.
This allows TVs having the same chassis model number to use the same ‘*.TTL’ file without regard to the screen size.
ex) The name of ‘*.TTL’ file is ‘xxLP360H-TA00000.TLL’ for 32/42LP360C model.



4 Use the ^ v button to select the desired *.TTL files name and press the **OK** button.

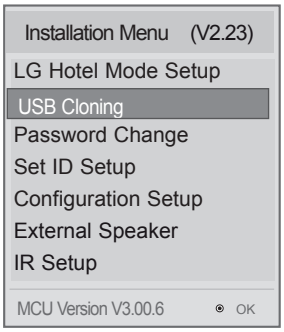


5 The TV is changed to Standby mode after a successful download.
If the download failed, the TV will changed to the initial installation screen.

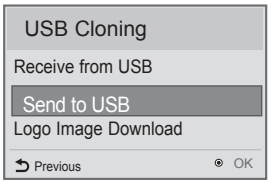
Send To USB

- Image shown may differ from your TV.

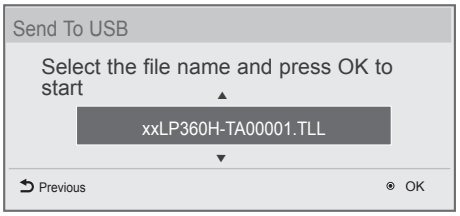
1. Plug USB memory card into the USB port of the TV.
2. Use the ∧ ∨ button to select the **USB Cloning** option and then press the **OK** button.



3. Use the ∧ ∨ button to select the **Send to USB** and press the **OK** button.



4. Use the ∧ ∨ button to select the desired file name and press the **OK** button.



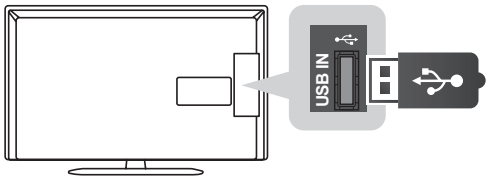
5. The TV is changed to the initial installation screen after a successful download.

Logo Image Download

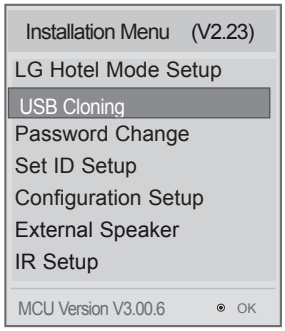
Make a 'LG_DTV' folder on the USB flash drive and then copy the splash image file to that folder.

- Image shown may differ from your TV.

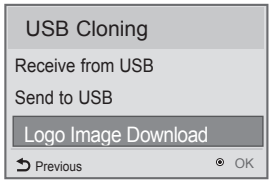
1 Connect the USB device to the USB IN jack on the TV.



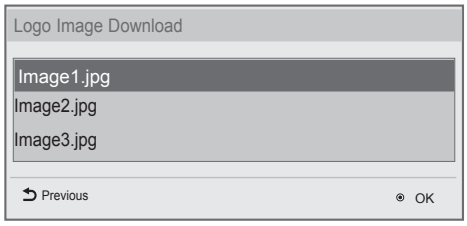
2 Use the ∧ ∨ button to select the **USB Cloning** option and then press the **OK** button.



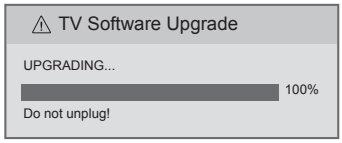
3 Use the ∧ ∨ button to select the **Logo Image Download** and press the **OK** button.



4 Use the ∧ ∨ button to select the desired file name and press the **OK** button.



5 Wait till the download process is completed.
After completion of download, TV set will restart automatically.



6 You can see a new Splash Image on TV which you downloaded while turning on TV.



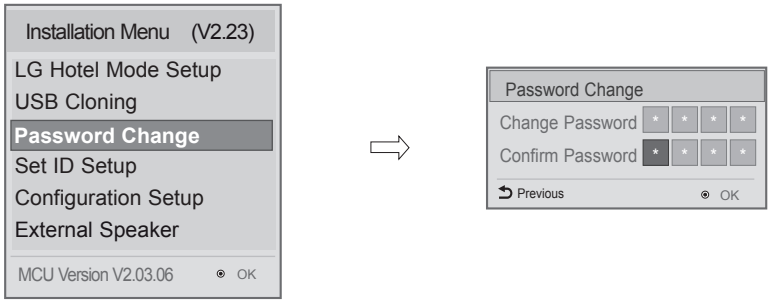
NOTE

- Splash Image update function supports only JPEG format file of less than 1 MB filesize.
- JPEG images with progressive encoding are not supported.
- We recommend you that splash image resolution match the TV`s panel resolution.
- Max resolution of splash image: Full HD -> 1920 x 1080, HD -> 1360 x 768.
- The TV will keep the Splash image until you change it.

Password Change

• Image shown may differ from your TV.

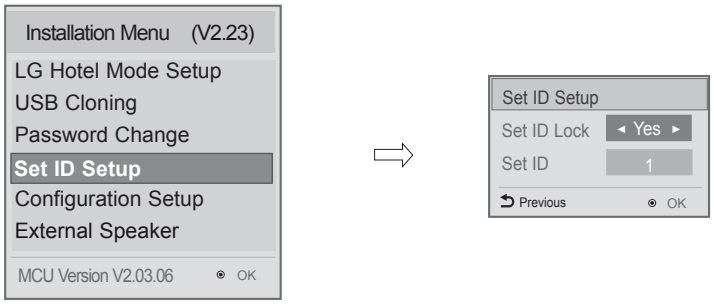
To ensure more security, Password can be changed by installers' own design.



1 Use the ∧ ∨ button to select the Password Change and then press the OK button.
2 Enter four digit password.
3 Input the password again for confirmation.

Set ID Setup

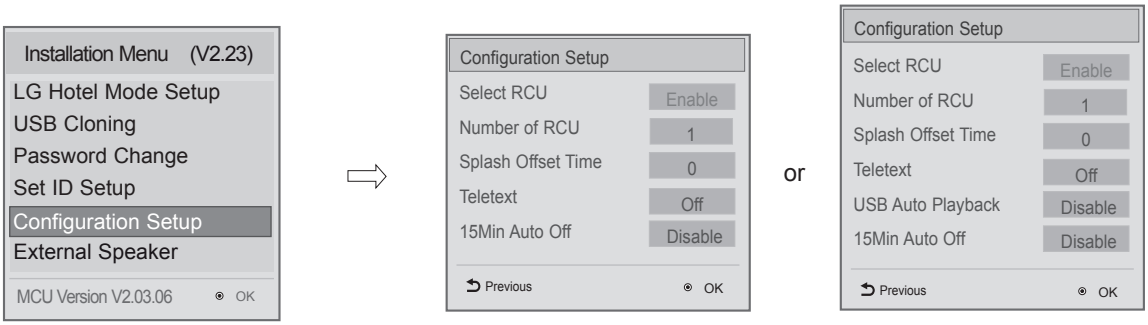
• Image shown may differ from your TV.



1 Use the ∧ ∨ button to select the Set ID Setup.
- Set ID Lock
  - Set the 'Set ID' item in 'Option' Menu whether to activate or not.
  - Set to Yes(Work) or No(Do Not Work).
- Set ID
  - Set the 'Set ID' of TV Set with 1~99.

Configuration setup

- Image shown may differ from your TV.



(1) Select RCU

- It is a mode to set whether to use Select RCU or not. When 'Select RCU' is set to 'Enable', You can adjust 'Number of RCU' menu.

(2) Number of RCU

- It is a mode to set Number of RCU.
  Number of RCU value range 1~9 (When 'Select RCU' is set to 'Enable')
  Number of RCU value range 0 (When 'Select RCU' is set to 'Disable')
  * RCU(Remote Control Unit) : It is special RCU that operates only setted number of RCU in TV.

(3) Splash Offset Rime

- Sets the splash image display time.
- The time can be set to between 0 and 10 seconds.

(4) Teletext

- 'Teletext' function can be operated only in Australia.
- If Teletext is set to On or Auto, the screen automatically enters teletext mode when the teletext is available on the channel.
- If Teletext is set to On, the teletext mode stays enabled even when the channel signal disappears on the teletext screen.
- If Teletext is set to Auto, the teletext mode is disabled when the channel signal disappears on the teletext screen.

(5) USB Auto Playback

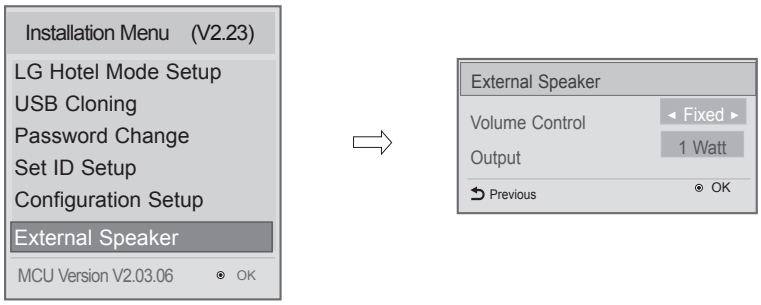
- When 'USB Auto Playback' is 'Enable', TV finds and plays the USB's movie files located at the first slot and partition and root(top) directory movies if USB is pluggedin. (Some menu OSDs may prevent this function.)
- If it reaches the last file, it starts the first file again.

(6) 15Min Auto Off

- When '15Min Auto Off' is set to 'Enable', TV will turn off if there is no signal in 15Min.

External Speaker

- Image shown may differ from your TV.



1 Use the ∧ ∨ button to select the External Speaker.

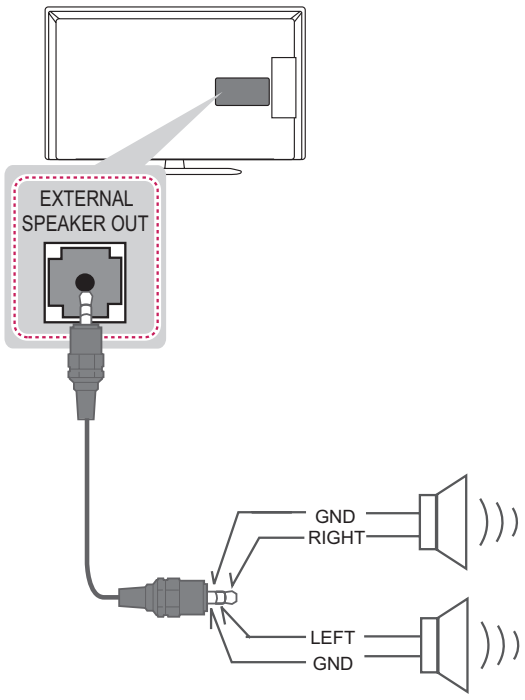
(1) Volume Control

- Selects the volume control method of an external speaker. You can choose either Variable or Fixed. Variable is linked to the main volume OSD and change the volume 0-1 Watts. Fixed produces a fixed output. The default is Off.

(2) Output

- This item is enabled when Volume Control is set to Fixed. You can choose one of 7 steps. (0.01/0.03/0.05/0.1/0.2/0.5/1 Watts)

Connect the external speaker to the external speaker out jack on the TV.



NOTE

- External speaker must be used four plug(BTL: Bridge Tied Load, Stereo) as shown in the drawings and external speaker fully inserted with external Speaker Jack.
- Otherwise it will cause defect.


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