LG

Life's Good

INSTALLATION MANUAL

LED LCD TV

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

32LV355H-ZA
37LV355H-ZA
42LV355H-ZA
47LV355H-ZA
26LV255H-ZA

www.lg.com

CONTENTS

LOCATION AND FUNCTION OF CONTROLS

• Image shown may differ from your TV.

Only 26LV25**

Screen

USB input

PCMCIA Card Slot

HDMI

Headphone Socket

Clock LED

Speakers

Remote control and intelligent[1] sensors

Power Indicator
(Can be adjusted using the Power Indicator in the OPTION menu.)

Touch buttons[2]

Connection panel

Button	Description
∨ P ∧	Scrolls through the saved programmes
— ◢ +	Adjusts the volume level
OK◉	Selects the highlighted menu option or confirms an input
HOME	Accesses the main menus, or saves your input and exits the menus
INPUT	Changes the input source
⏻/I	Turns the power on or off

1   Intelligent sensor - Adjusts the image quality corresponding to the surrounding environment.
2.   Touch Button - You can use the desired button function by touching.

• Image shown may differ from your TV.

Only 32/37/42/47LV35**

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(Can be adjusted using the Power Indicator in the OPTION menu.)

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1   Intelligent sensor - Adjusts the image quality corresponding to the surrounding environment.
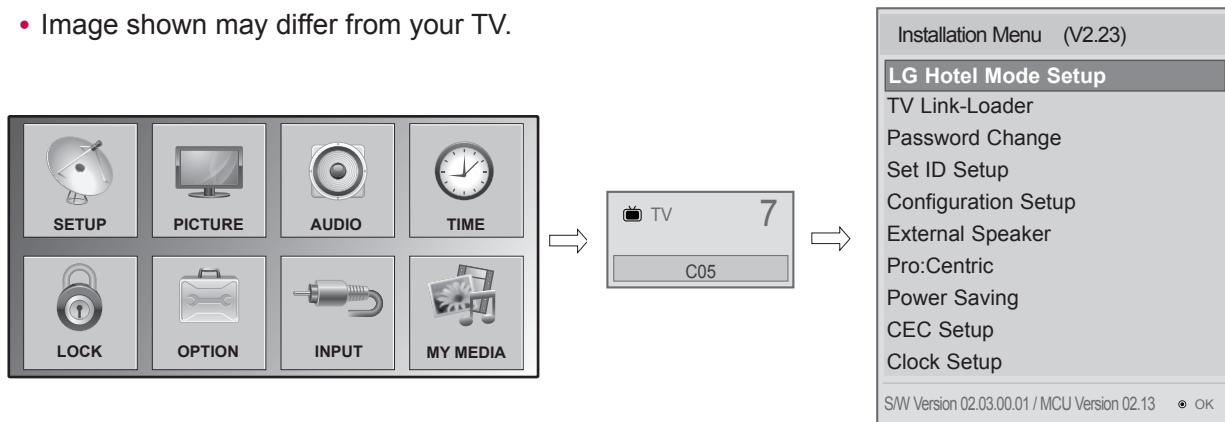2. Touch Button - You can use the desired button function by touching.

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.
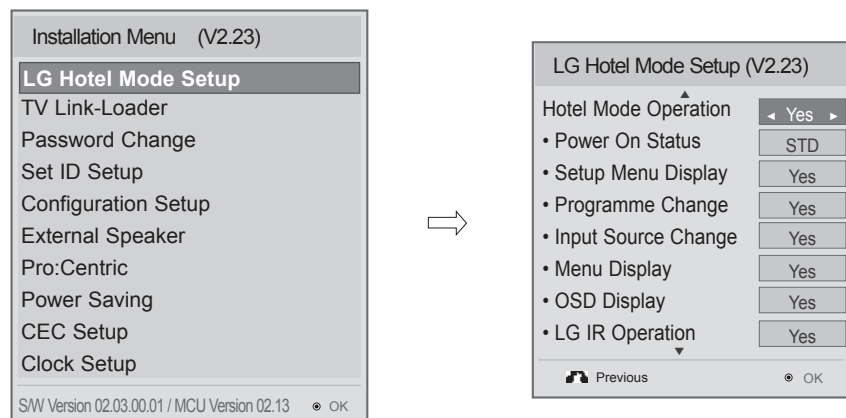
• Image shown may differ from your TV.

| SETUP | PICTURE | AUDIO | TIME |
| LOCK | OPTION | INPUT | MY MEDIA |

⟹

```
■ TV        7
   C05
```

⟹

```
Installation Menu    (V2.23)

LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup

S/W Version 02.03.00.01 / MCU Version 02.13    ◉ OK
```

1 Press the **Home** 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 ▼ ▲ button to select the desired menu.

LG Hotel Mode Setup

• Image shown may differ from your TV.

```
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Clock Setup

S/W Version 02.03.00.01 / MCU Version 02.13    ⊙ OK
```

⟹

```
LG Hotel Mode Setup (V2.23)

Hotel Mode Operation      ◄  Yes  ►
• Power On Status            STD
• Setup Menu Display         Yes
• Programme Change           Yes
• Input Source Change        Yes
• Menu Display               Yes
• OSD Display                Yes
• LG IR Operation            Yes

     Previous              ⊙ OK
```

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 functions 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 and Demo Mode' are disabled.
- When 'Hotel Mode Operation' is set to Yes(Work), all skipped programs are not tuned by number keys.
- When 'Hotel Mode Operation' is set to Yes(Work), Detailed Information about the programme is not available in the EPG.

(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.

Installation Menu

LG Hotel Mode Setup

(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, TV / RAD 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, TV / RAD 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/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' item in 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 Home 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, Home 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 except volume up/down key and power key.
- 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.
- Even when the local key operation is set to No, when you press the local key for 5 seconds, the Home key will operate to access the Installation Menu.
- Exception : In case of the commercial model, although both IR and Local key operation are set to 'No' (no operation), you can operate the volume +/- key and the 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 (This feature is not available for all models.)

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.)

Installation Menu

LG Hotel Mode Setup

(12-2) Programme

- If the Input source is DTV or ATV, or Radio 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, ATV, RADIO, the programme number existing at the programme table can be selected.
- 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.
- Although set to Yes(Work), if there are Video signal, 'Video Blank' wouldn't work. In consideration of case that display background screen and broadcast only with Radio, 'Video Blank 'works only when there is no Video signal.
- 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 0~99(Chinese type: 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.

Initial Configuration and Configuration Detail

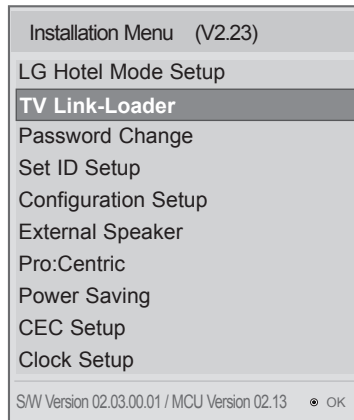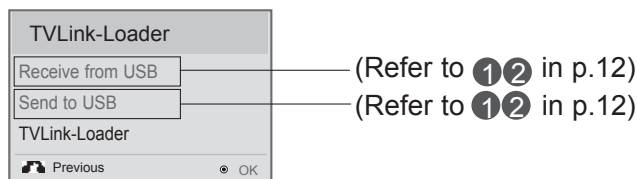| Item	Active	De-active	Initial
Hotel Mode Operation	Yes	No	No
Power On Status	-	-	STD
Setup Menu	Yes	No	Yes
Programme Change	Yes	No	Yes
Input Source Change	Yes	No	Yes
Menu Display	Yes	No	Yes
OSD Display	Yes	No	Yes
LG IR Operation	Yes	No	Yes
Local Key Operation	Yes	No	Yes
Max Volume	0~100		100
DTV Channel Update	Auto	Manual	Auto
Power On Default	Yes	No	No
Input Source	ATV~MAX_INPUT	Off	Off
Programme	(1-Max PR)	0	0
Volume	0~100	Off	Off
A/V Setting	Yes	No	No
Radio Video Blank	Yes	No	No
Start PR. No.	0~99		1
No. of PR.	0~10		1
Radio Name Display	Yes	No	No

Installation Menu

TVLink-Loader

You can adjust TVLink-Loader menu by only TVLink Loader which is to be purchased additionally.

- TV sets for each single hotel rooms, providing 'TVLink-Loader' does maximise installers convenience. By copying all programme settings, picture setting, sound setting, option setting and installation menu setting. from a set as default and conveying into additional sets, which ensures uniformity between sets and significantly reduces unnecessary installation time via RS232.
  In addition to this, TVLink-Loader enables to load programme for menu installation with wireless basis.

- • Image shown may differ from your TV.

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
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Pro:Centric
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CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ⊙ OK

1 Press the **MODE** button until the display of TVLink Loader screen changes from "Ready" to "Mode in".

  • Be careful TVLink Loader doesn't move and point the TVLink Loader towards the below center on the set during this time.

2 Use the **UP/ DOWN** button to select the TVLink Loader .

3 Press the **MODE** button in order to change from ↕ key to ↔ key and then press the **UP** button.

TVLink-Loader
Receive from USB
Send to USB
TVLink-Loader
🔙 Previous   ⊙ OK

(Refer to ①② in p.12)
(Refer to ①② in p.12)

4 Press the **SEND** or **RECEIVE** button.

  • **RECEIVE**: RS232 is the main connection for receiving data.
  • **SEND**: For transmitting reserved data can be done by wireless IR Signal or RS232.
    1. Press SEND button to select "IR Send"(to send data through IR)or "RS Send"(to send data through RS232)for the download mode.
    2. Press ENTER button to start transmitting.

5 The procedure of Loading will be projected on OSD.

TV Link-Loader
Downloading...
▬▬▬▬   43%
🔙 Previous   ⊙ OK
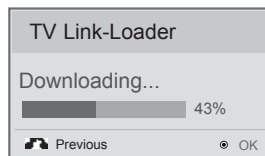
6 Disappearing OSD implies Completion of data receiving or TV turns off automatically after completion of data sending.

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* Copy Data item : Programme Data, Installation Menu(excluding the Set ID), Picture, Sound, Option(Special)
- The other data can be different depending on the chassis.
- Because the Picture Mode: Expert (ISF) Data of the Picture item is charged or the image quality calibration function by set, it should not be copied.

USB Cloning Procedure - 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 "TVLink-Loader", 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 TVLink-Loader. 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) Requirements for USB

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.
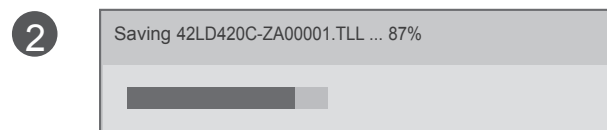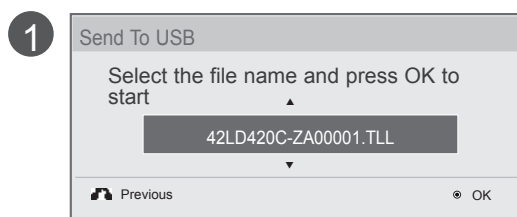
Installation Menu

Send To USB

• Image shown may differ from your TV.

"Send To USB" must be done first before "Receive From USB" process, as it generate the file to be used in "Send To USB". While writing is in process, the user must not turn TV off nor unplug the USB memory card. The steps in "Send To USB" are explained below. The following images might be slightly different than the OSD image.

Plug in USB memory card into the port on target TV.

1
> Send To USB
>
> Select the file name and press OK to start ▲
>
>   42LD420C-ZA00001.TLL
>
> ▼
>
> Previous   ◉ OK
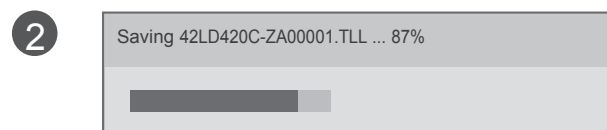
1
OK ◉

2
> Saving 42LD420C-ZA00001.TLL ... 87%

The process will be shown with progress bar, and as soon as sending the current profile is finished, a message acknowledging the learning process is complete will pop up.

Receive From USB

Once the internal TV data and its channel map information is written to the USB memory card, the user can start "Receive From USB" process with the data file generated and stored in USB memory card. As previously warned in "Send To USB" process, the user should not turn TV off nor unplug the USB memory card. Detailed steps for "Receive From USB" are illustrated below. The following images might be slightly different than the OSD image.

1
> Receive from USB
>
> 42LD420C-EU00001.TLL
>
> Previous   ◉ OK

1
∧
∨
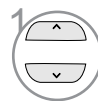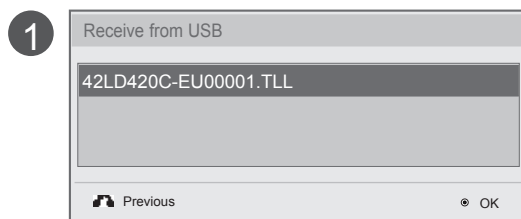
Choose a file to be written to the target TV

2
OK ◉

2
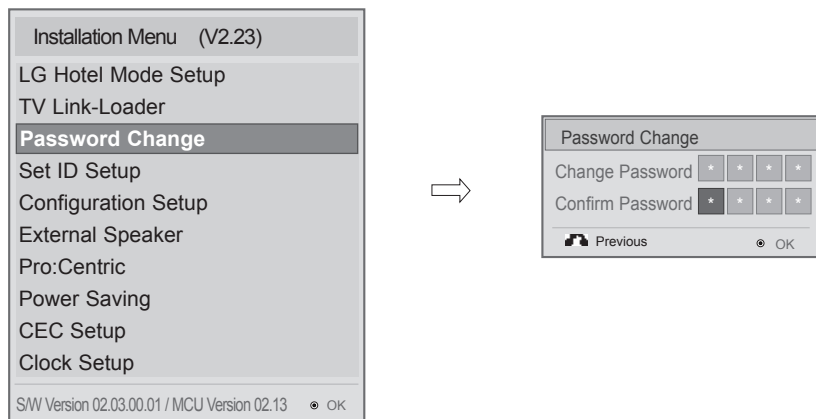> Saving 42LD420C-ZA00001.TLL ... 87%

The process will be shown with progress bar, and as soon as teaching the current profile is finished, a message acknowledging the teaching process is complete will pop up.

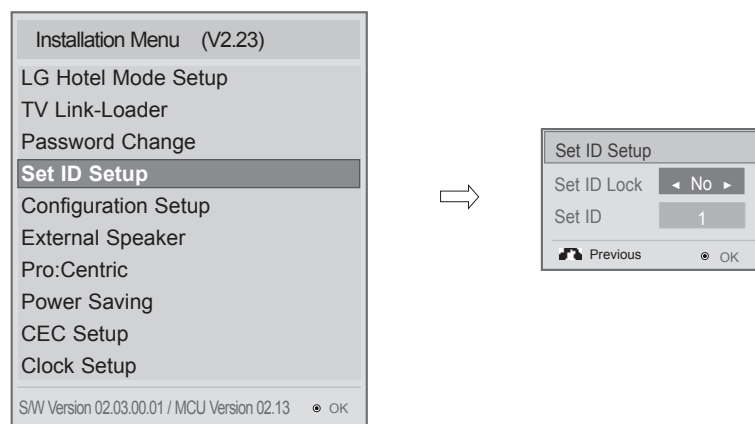**3** TV turns off automatically after completion of data sending.

Password Change

• Image shown may differ from your TV.

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

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
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Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⟹

Password Change
Change Password * * * *
Confirm Password * * * *
🖧 Previous   ◉ OK

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

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⟹

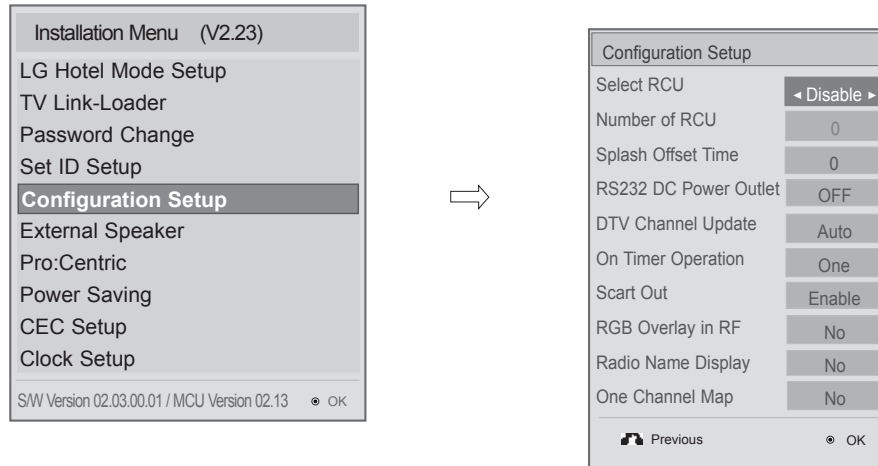| Set ID Setup |
|---|
| Set ID Lock   ◄ No ► |
| Set ID   1 |
| 🖧 Previous   ◉ OK |

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.

Installation Menu

Configuration setup

• Image shown may differ from your TV.

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
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Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⟹

Configuration Setup	
Select RCU	◄ Disable ►
Number of RCU	0
Splash Offset Time	0
RS232 DC Power Outlet	OFF
DTV Channel Update	Auto
On Timer Operation	One
Scart Out	Enable
RGB Overlay in RF	No
Radio Name Display	No
One Channel Map	No
🎮 Previous ◉ OK	

(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 Time

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

(4) RS232 DC Power Outlet

- It is a mode to decide whether to output DC or not for power supply to IB Box in Installation Menu. We offer a output terminal in one Pin of RS232C Jack for the use of communication.
- 5V DC Power Outlet and 12V DC Power Outlet must operate mutually exclusively. That is, only one of the two sides must be turned on.

1 You can select **'OFF'**, **'5V'** or **'12V'** by pressing < > button.
  • When select **'5V'** the 5V is forwarded through the port. when select **'12V'** the 12V is forwarded through the port.

Interface box
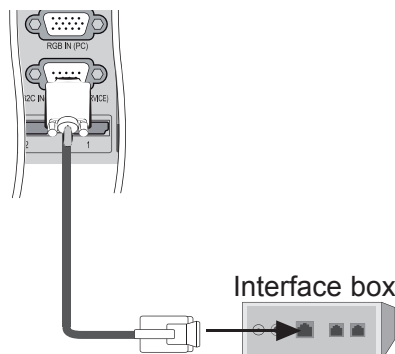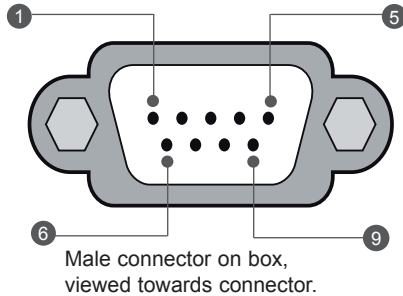
No.	Signal	Signal requirements
1	VCC	
2	RX RS232	Standard RS232 specification
3	TX RS232	Standard RS232 specification
4	IR from TV	
5	GND	Power ground
6, 8	Not connected	
7	1.5 A	+5VDC 10%, max 100mV ripple
9	1.5 A	+12VDC 10%, max 100mV ripple

Male connector on box,
viewed towards connector.

(5) DTV Channel Update (This feature is not available for all models.)

- 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.

(6) On Timer Operation

- It is a mode to select 'On Timer Operation' working one time or repeatedly.

'**ONE**' : 'On Time' in the user menu operates only one time when the 'On Time' menu is set to 'ON'.
'**Repeat**' : 'On Time' operates repeatedly when the 'On Time' menu is set to 'ON'.

(7) Scart Out

- The monitor out signals can or cannot be output through the SCART cable, depending on the setting value of **scar t out**.You can set to **Enable** or **Disable** using the < > button. The default value is **Enable**.

(8) RGB Overlay in RF

- It is a mode to select whether to display RGB Data together on RF image or not. When 'RGB Overlay In RF' is set to 'Yes', Overlay Mode get to 'Enable' and you can see RGB Data signal as well as general RF Image.
- This is mainly used to provide information to the hotel guest.
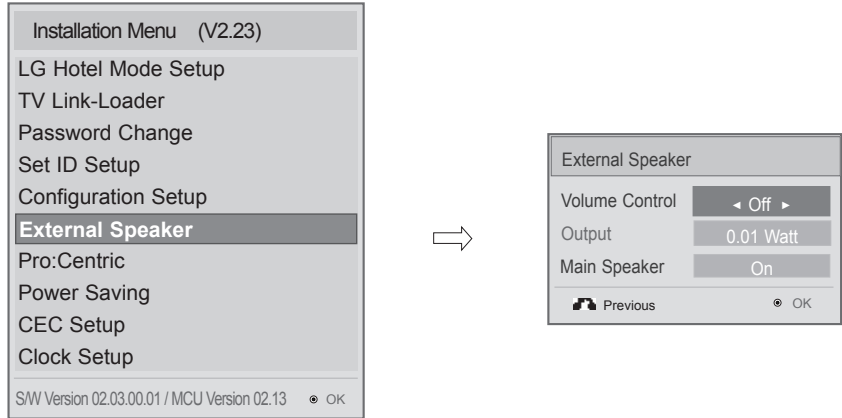
(9) Radio Name Display

- 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.

(9) One Channel Map

- If 'One Channel Map' is 'YES', the TV will operate as below.
  A. When the TV is auto-scanning, it searches both air and cable channels.
  B. User can assign a channel number him/herself by manual scan.
  C. In 'Programme Edit' window, all channels are shown in a single list regardless of input source. (DTV/RADIO/TV)
  D. Automatically scanned channels may not have the user-desired channel numbers.
- If user change the 'YES/NO' value, an pop-up window will be displayed to warn that all channel information will be deleted and the TV will restart.

Installation Menu

External Speaker

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

External Speaker	
Volume Control	◄ Off ►
Output	0.01 Watt
Main Speaker	On
⦿ Previous	◉ OK

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 Ext/Int Variable or Fixed. Ext Variable uses the External Vol Up/Down Control Line to change the volume up to 3 Watts. Int variable is linked to the main volume OSD and change the volume 0 - 3 Watts. Fixed produces a fixed output. The default is Off.
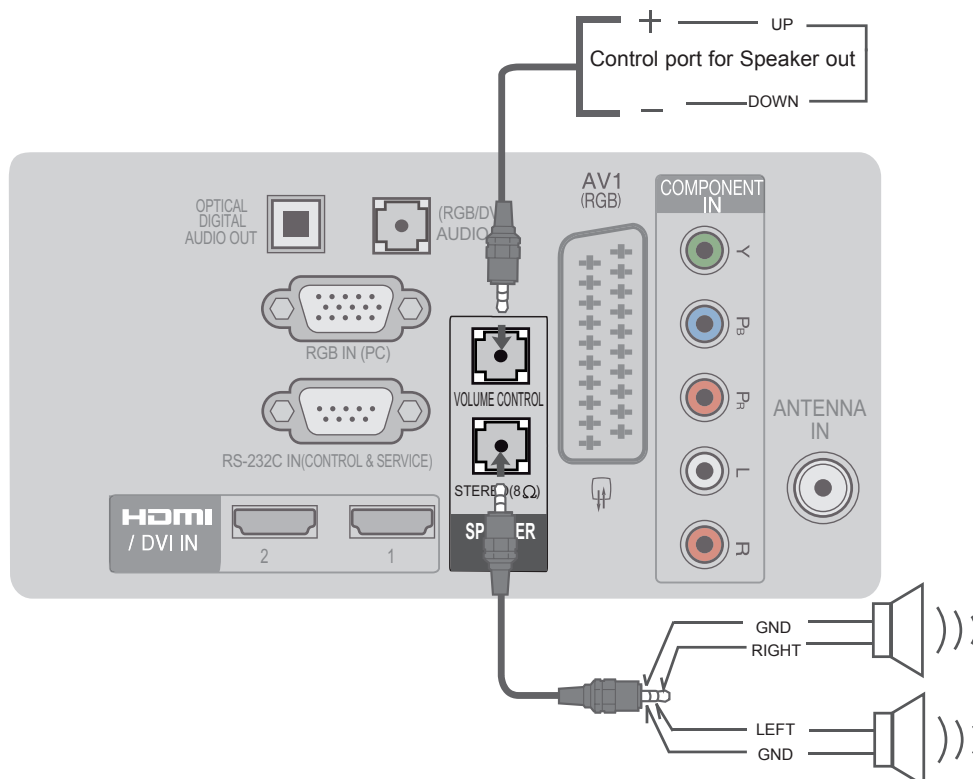
(2) Output

- This item is enabled when Volume Control is set to Fixed. You can choose one of 9 steps.(0.01/0.03/ 0.05/0.1/0.2/0.5/1/2/3 Watts). The Default is 0.01 Watt.
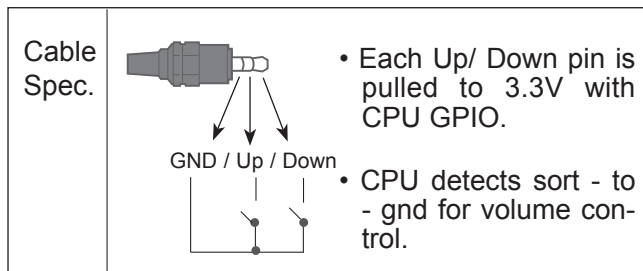
(3) Main Speaker

- When Off is selected, the main speaker will not work. When On is selected, the main speaker will work.

SPEAKER OUTPUT SETUP

1 Connect the external speaker to the **SPEAKER OUTPUT(STEREO)** jack on the TV.

UP

Control port for Speaker out

DOWN

OPTICAL
DIGITAL
AUDIO OUT

(RGB/DVI)
AUDIO

AV1
(RGB)

COMPONENT
IN

Y

P_B

P_R

ANTENNA
IN

L

R

RGB IN (PC)

VOLUME CONTROL

RS-232C IN(CONTROL & SERVICE)

STEREO(8Ω)

HDMI / DVI IN

2   1

SPEAKER

GND
RIGHT

LEFT
GND

Method of Volume control port

Cable Spec.	GND / Up / Down	• Each Up/ Down pin is pulled to 3.3V with CPU GPIO. • CPU detects sort - to - gnd for volume control.

Installation Menu

Pro:Centric

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ⊙ OK

⟹

Pro:Centric	
Mode	◄ Off ►
Receive Data	Disable
RF Type	DVB-T
RF Freq . (KHz)	474000
Clock Update	Off
Clock Freq.(KHz)	------
Clock Service ID	0
Previous	⊙ OK
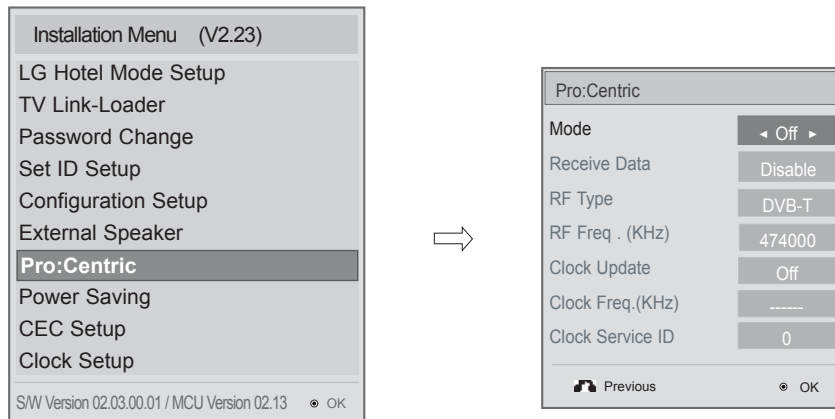
1   Use the   ⬇ ⬆   button to select the Pro:Centric.

(1) Mode

- Sets whether or not enable Pro:Centric and the service method .
- You can set to Off, Flash or GEM using the ◄ ► button . The default value is Off; when it is set to Off, all the sub items are disabled.

(2) Receive Data

- Sets Enable or Disable. When it is set to Disable, all the sub items are disable.

(3) RF Type

- Sets the RF modulation type to DVB-T or DVB-C.
  The default value is DVB-T.

(4) RF Freq. (KHz)

- Sets the RF frequency at which the Pro:Centric data is received.

(5) Clock Update

- It can be set to "Off", "Clock Freq" or "Flash/GEM". The default value is 'Off'.
- If it is set to "Off", the time set from the main menu will be used. If it is set to "Clock Freq", the time will be updated from a specific channel. If it is set to "Flash/GEM",
  the time will be updated from the Pro:Centric data channel.
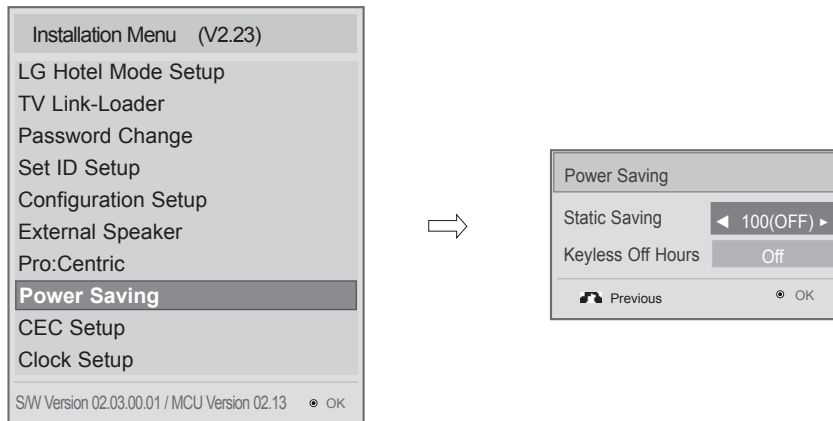- If it is set to "Off" or "Flash/GEM", the clock frequency (KHz) and the clock service ID will be disabled.

(6) Clock Freq.(KHz)

- The default value is '------'.
- Set the RF frequency of the channel from which to update the time.

(7) Clock Service ID

- The default value is 0.
- Set the service ID of the channel from which to update the time.

Power Saving

Installation Menu (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⇨

Power Saving	
Static Saving	◄ 100(OFF) ►
Keyless Off Hours	Off
⌂ Previous	◉ OK

1 Press the ▼ ▲ button to select the Power Saving.

• **Static Saving** : It is the item for setting the level to reduce the backlight control from the items for saving the consuming power, which is increased or decreased by 10 steps from 0 to 100. 100 makes the consuming power set to the same one from the TV. 0 reduces the consuming power to the minimum. The default value is 100.
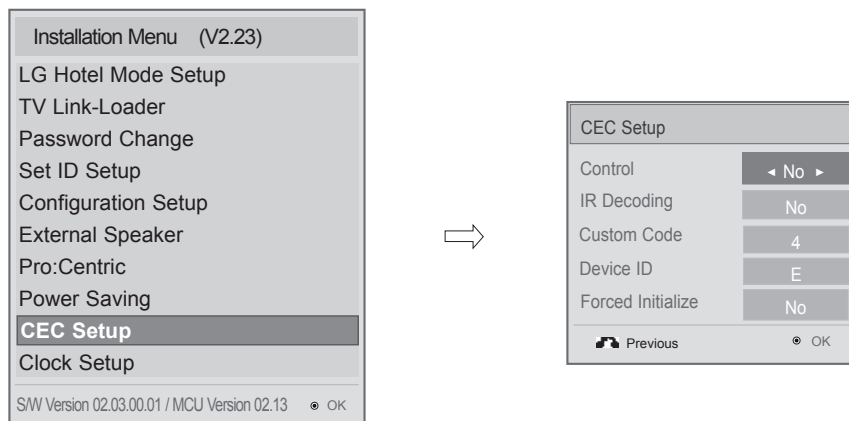
- The value displayed at the OSD is not changed and only the actual setting value is converted to percentage based on the static saving value to set.
- 0 ~ 30: HIGH, 40 ~ 60 : MID , 70 ~ 90 : LOW , 100 : OFF

• **Keyless Off Hours** : Automatically TV will be turned off if there is no key input for the preset time period.

- Set the 'OFF', '1~99'.

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Installation Menu

CEC Setup

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⟹

CEC Setup	
Control	◄ No ►
IR Decoding	No
Custom Code	4
Device ID	E
Forced Initialize	No
📞 Previous	◉ OK

① Use the ⬇ ⬆ button to select the CEC Setup.

(1) Control
- Determines whether to use TVLink-CEC. The default value is No. When No is selected, you cannot set subitems.

(2) IR Decoding
- Determines whether to decode the LG remote control. If No is selected, the TV does not decode it and sends signals only to the IR Out port. You need to run Forced Initialize below once to apply it.
  If Yes is selected, the TV decodes and changes it into a CEC Message and sends it to Command via the HDMI CEC Line. The default value is No.

(3) Custom Code
- Sets the custom code used for NEC Format of the remote control. The default value is 4.
  The TV remote control that LG is currently using is 4 so this item is always set to 4 and disabled.
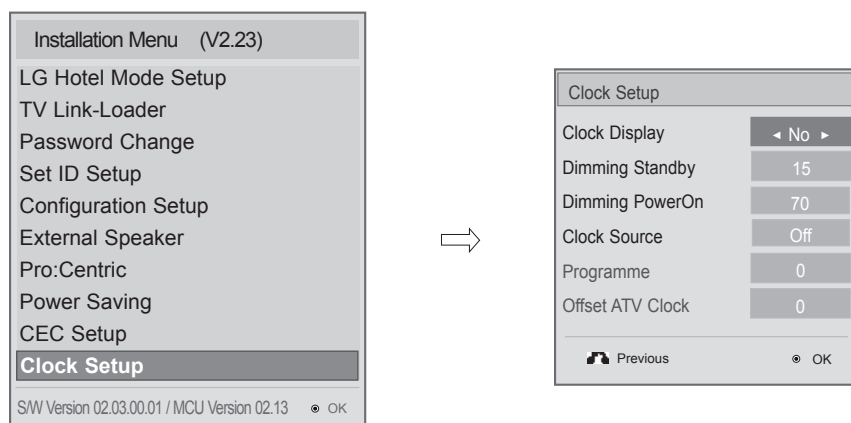
(4) Device ID
- Sets the ID of a device connected to the TVLink-CEC Line. You can choose between 1 and E.
  The default value is E.

(5) Forced Initialize
- If No is selected, a command should be sent and received between the TV and a -device for proper initialization.
  If Yes is selected, initialization is implemented when a device receives a command. If initialization is not implemented, the TV remote control and local key will work.

Clock Setup

Installation Menu   (V2.23)
LG Hotel Mode Setup
TV Link-Loader
Password Change
Set ID Setup
Configuration Setup
External Speaker
Pro:Centric
Power Saving
CEC Setup
Clock Setup
S/W Version 02.03.00.01 / MCU Version 02.13   ◉ OK

⟹

Clock Setup	
Clock Display	◄ No ►
Dimming Standby	15
Dimming PowerOn	70
Clock Source	Off
Programme	0
Offset ATV Clock	0
⏻ Previous	◉ OK

1 Press the ▼ ▲ button to select the Clock Display.

2 You can select 'YES' or 'NO' by pressing ◄ ► button.

• After selecting '**YES**', you can see thr LED Clock TV.
- **Standby Dimming value** Range: 0~15
- **PowerOn Dimming value** Range: 0~99

• **Clock Source** : You can select 'Off', 'ATV', 'DTV', 'RADIO', 'CATV', 'CADTV', 'CARADIO' by pressing < > button.

• **Programme** : Select the programme number to get the time information when tuning on TV.
 If the current setting for clock source is 'DTV', you can get the clock information when selecting the decided source and programme. If the current setting for clock source is 'ATV', you can get the clock information of teletext at the number of programme. Set up the programme in accordance with the condition of the hotel clock source.

• **Of fset ATV Clock** : In the case when there is difference between the time information received from the Teletext and the time of the current area, it can be set up to correct this. The initial value is 0, and it can be changed in the range of -12Hrs ~ +12Hrs.

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Download Extra Contents
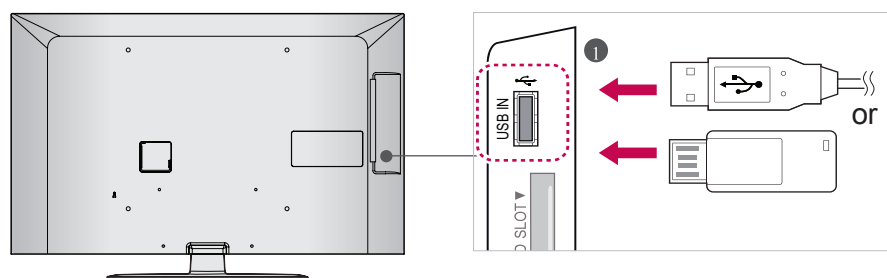
Download Extra Contents(flash file) toTV set

The Pro:Centric application can be downloaded to your TV.
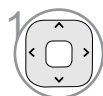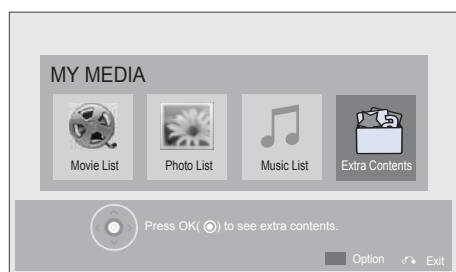
FLASH (*.SWF) / GEM supporting file

An SWF file complied with Flash Lite 3.0 or earlier (the 3.0 version is recommended)

• **Mode** must be set to **Flash** or **GEM** under **Pro:Centric** in **Installation Menu**.
• The folder called /hcapfs/as/abs_service/ must exist in USB drive root directory.
• The file called xait.xml must exist in the /hcapfs/as/abs_service/ folder.
• The file called I_AM_FLASH must exist in the /hcapfs/config/ folder with **Flash** mode.
  The file called I_AM_GEM must exist in the /hcapfs/config/ folder with **GEM** mode.
• You will have no response even if selecting **Yes** in step 3 when the above conditions are not met.

• Image shown may differ from your TV.

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

or

2

MY MEDIA

Movie List   Photo List   Music List   Extra Contents

Press OK(◉) to see extra contents.

Option   Exit

1 Select **Extra Contents**.

2 Enter a four digit password.

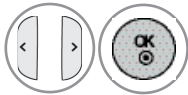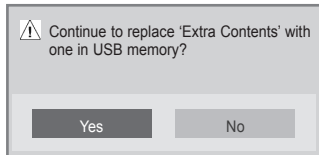• The TV is set with the password "1-1-0-5".

NOTE

► You can not select the **Extra Contents** in **MY MEDIA** when the **Mode** under **Pro:Centric** in **Installation Menu** is set to **Off**.
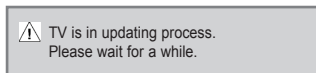
③

> ⚠ Continue to replace 'Extra Contents' with one in USB memory?
>
> | Yes | No |

  Select '**Yes**'.

You can see a new Application File on TV.

④ Wait till the download process is completed.
After completion of download,
TV set will restart automatically.

> ⚠ TV is in updating process.
> Please wait for a while.

■ To stop playing the Application file

Change **Mode** other than **Flash** or **GEM** under **Pro:Centric** in **Installation Menu**.
When you change the **Mode**, the downloaded content is deleted from the memory.

NOTE

► When playing the Application file(FLASH or GEM file), the buttons are controlled according to the settings of the Extra Contents option.
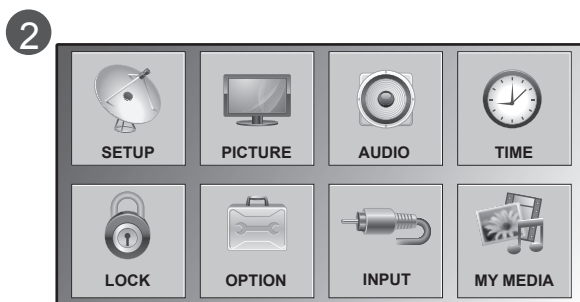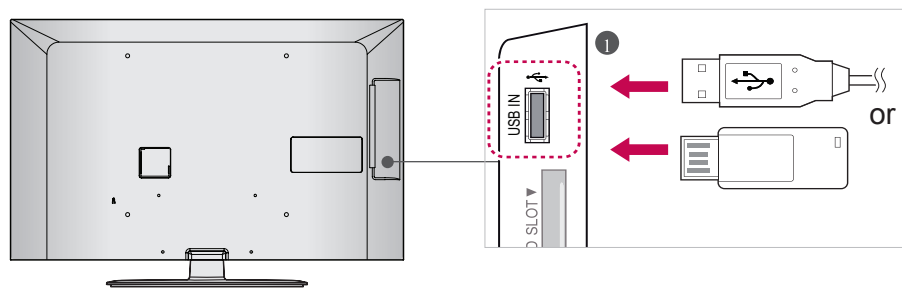
Download a splash image
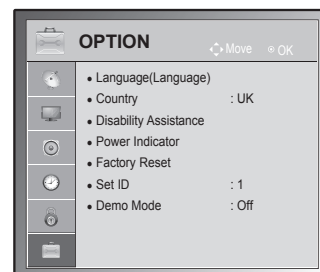
Download Splash Image file to TV set

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

● Image shown may differ from your TV.

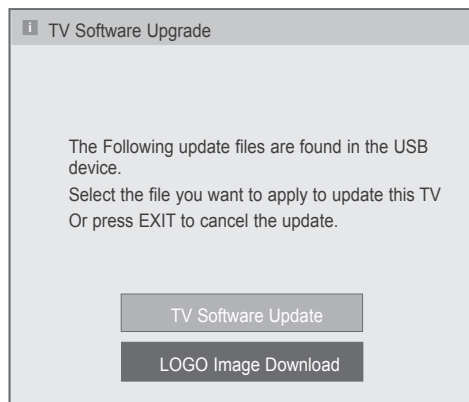**1** Connect the USB device to the **USB IN** jack on the TV.

or

2

| SETUP | PICTURE | AUDIO | TIME |
| LOCK | OPTION | INPUT | MY MEDIA |

OPTION ◆Move ◉OK
● Language(Language)
● Country   : UK
● Disability Assistance
● Power Indicator
● Factory Reset
● Set ID   : 1
● Demo Mode   : Off

or

1 Home Select **OPTION.**

2 7 Press **7 button** seven times,
TV Software Update(Expert) menu will appear.

1 Home Select OPTION.

2 OK Select OPTION.

3 7 Press **7 button** seven times,
TV Software Update(Expert) menu will appear.

3

▣ TV Software Upgrade
The Following update files are found in the USB device.
Select the file you want to apply to update this TV
Or press EXIT to cancel the update.
TV Software Update
LOGO Image Download

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

4

⚠ TV Software Update(Expert)
UPGRADING...
[████████████████████] 100%
DO not unplug!

OK

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

❶ NOTE

▶ Splash Image update function supports only JPEG format file of less than 1 MB filesize..

▶ Except for JPEG images with progressive encoding.

▶ We recommand 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.

▶ TV keep splash image until you change a new splash image.