LG
Life's Good

Installation menu
Installation Guide

LCD TV MODELS
32LD650H-ZA
37LD650H-ZA
42LD650H-ZA
47LD650H-ZA
32LV375H-ZA
37LV375H-ZA
42LV375H-ZA
47LV375H-ZA

P/NO: MFL34441676 (1103-REV02)
Printed in Korea

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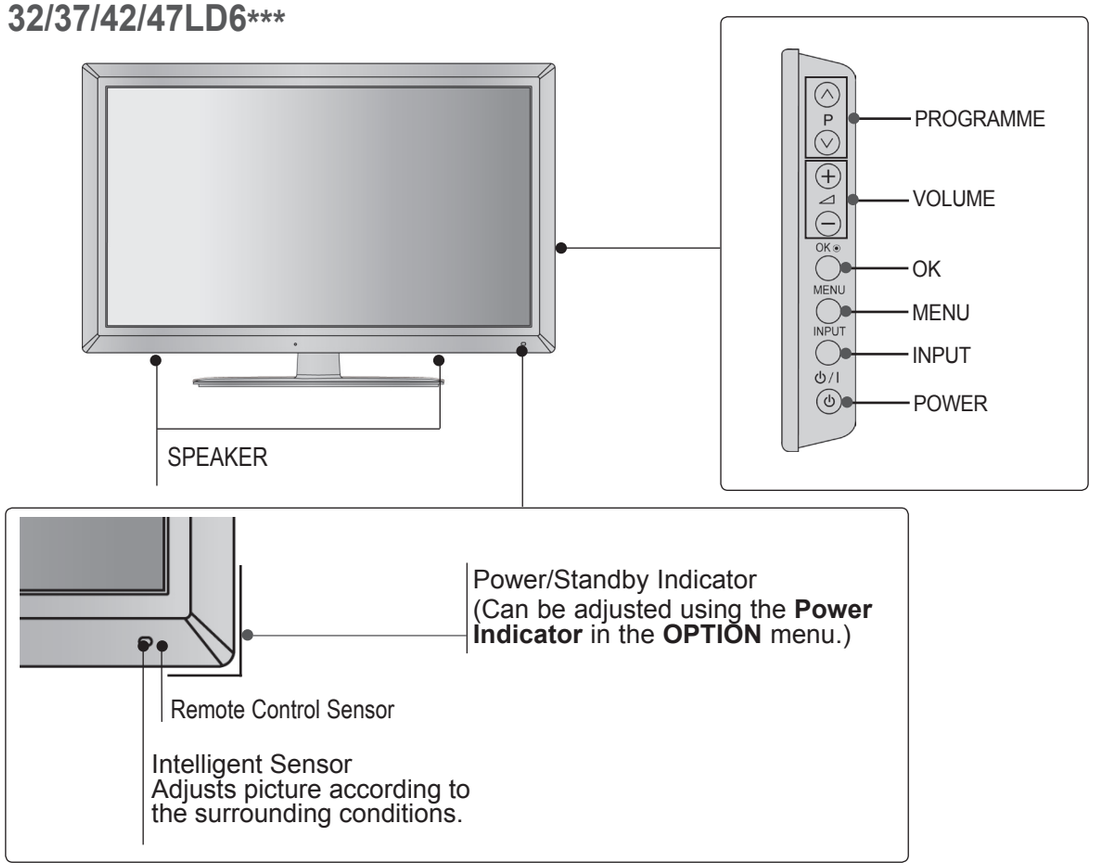
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LOCATION AND FUNCTION OF CONTROLS

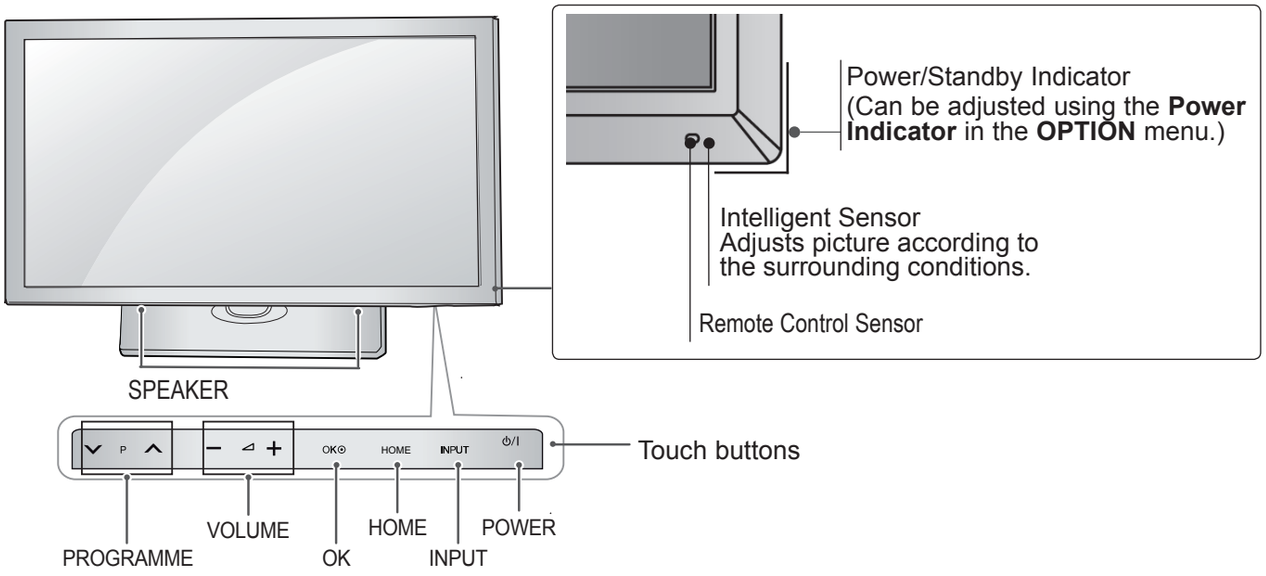
FRONT PANEL CONTROLS

■ Image shown may differ from your TV.

32/37/42/47LD6***



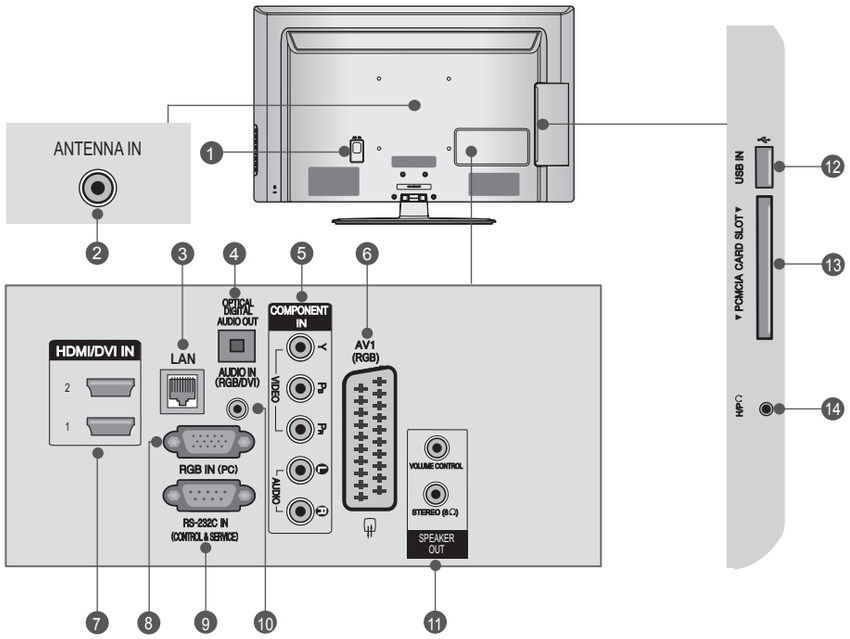
32/37/42/47LV3***



BACK PANEL INFORMATION

■ Image shown may differ from your TV.

32/37/42LD6***



❶ **Power Cord Socket**
This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.

❷ **Antenna Input**
Connect antenna or cable to this jack.

❸ **LAN**
Network connection.
Also used for video, photo and music files on a local network.

❹ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio to various types of equipment.
Connect to a Digital Audio Component.
Use an Optical audio cable.

❺ **Component Input**
Connect a component video/audio device to these jacks.

❻ **Euro Scart Socket (AV1)**
Connect scart socket input or output from an external device to these jacks.

❼ **HDMI/DVI IN Input**
Connect an HDMI signal to HDMI IN. Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable.

❽ **RGB IN Input**
Connect the output from a PC.

❾ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
This port is used for Service or Hotel mode.

❿ **RGB/DVI Audio Input**
Connect the audio from a PC or DTV.

⓫ **SPEAKER OUTPUT(STEREO)**
The phone socket for external speaker is on this jack.

⓬ **USB Input**
Connect USB storage device to this jack.

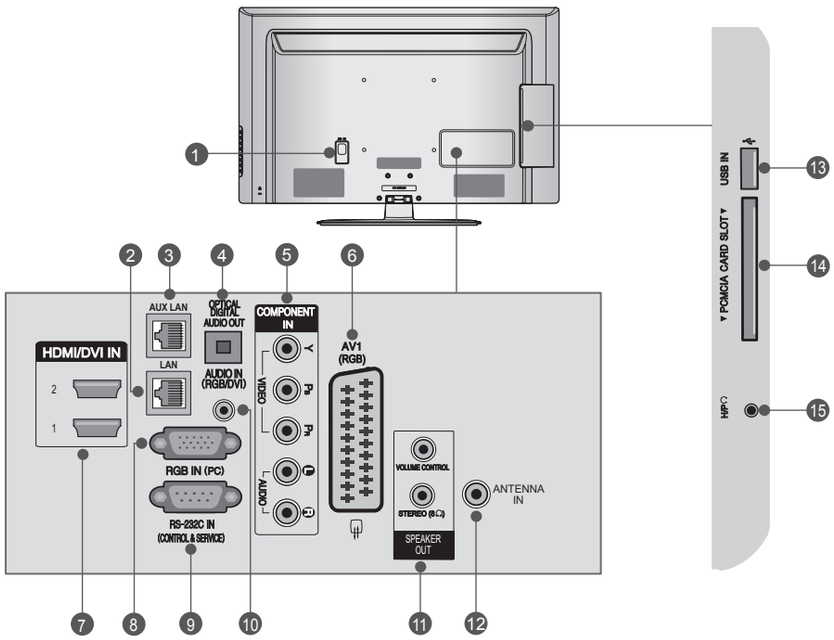
⓭ **PCMCIA (Personal Computer Memory Card International Association) Card Slot**
Insert the CI Module to **PCMCIA CARD SLOT**.
(This feature is not available in all countries.)

⓮ **Headphone Socket**
Plug the headphone into the headphone socket.

LOCATION AND FUNCTION OF CONTROLS

BACK PANEL INFORMATION

47LD6***



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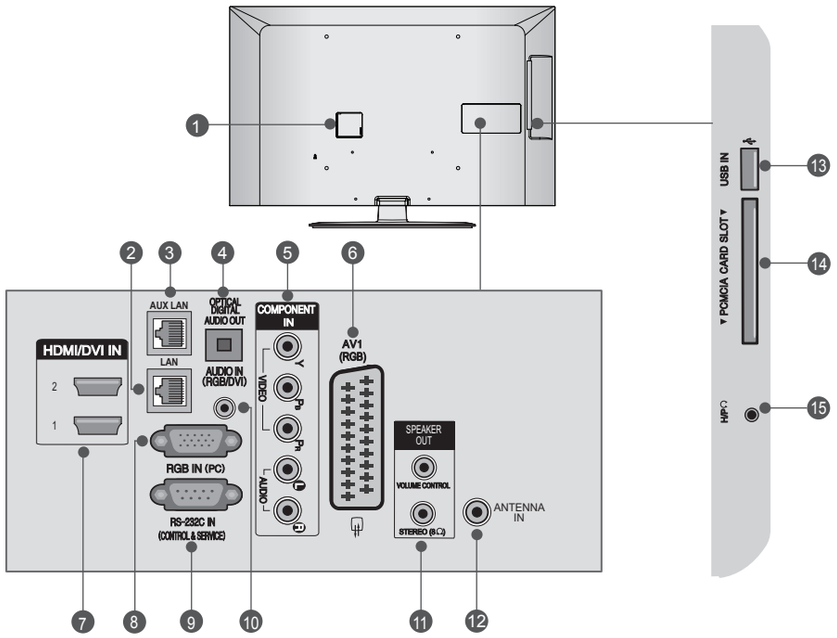
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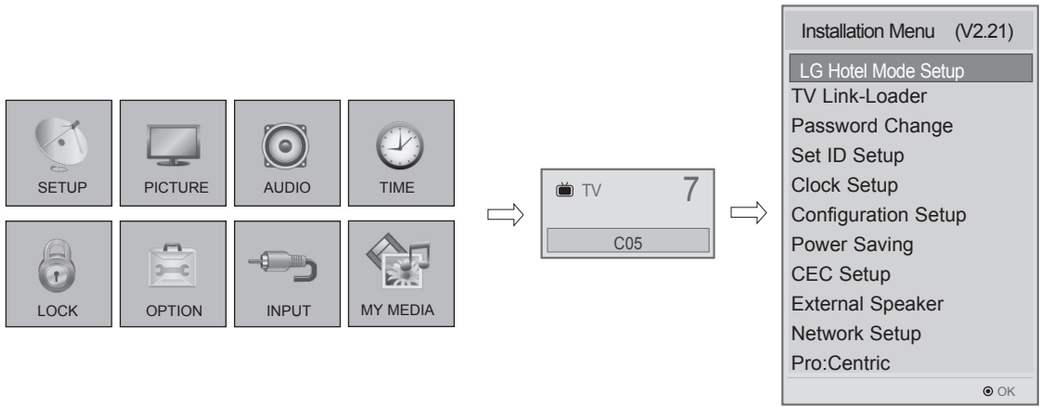
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INSTALLATION MENU

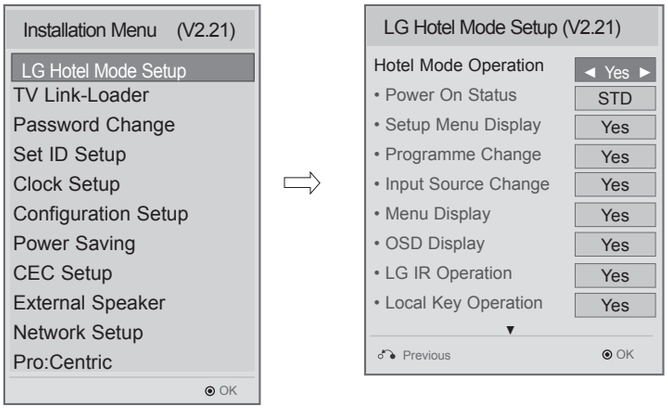
INTRODUCTION

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.



1. Press the **MENU or 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



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’ 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.

INSTALLATION MENU

(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 Menu or 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, Menu 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 Menu 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) 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.

(11-1) 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.)

(11-2) 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.

INSTALLATION MENU

(11-3) 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.

(11-4) 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.

(12) 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.

(12-1) Start PR. No.

- Item to set starting programme of Radio Programme.
- Available programmes to set are 0~99(Chinese type: 0~199).

(12-2) 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

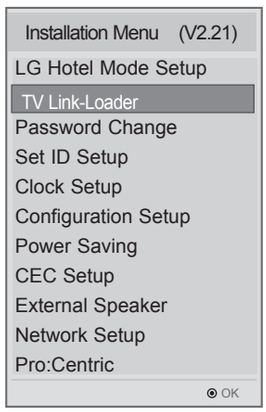
Item	Active	De-active	Initial
Hotel Mode Operation	Yes	No	No
Power On Status	-	-	STD
Setup Menu	Yes	No	Yes
Programme Change	Yes	No	Yes
Input Source Change	Yes	No	Yes
Menu Display	Yes	No	Yes
OSD Display	Yes	No	Yes
LG IR Operation	Yes	No	Yes
Local Key Operation	Yes	No	Yes
Max Volume	0~100		100
Power On Default	Yes	No	No
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.	0~99		1
No. of PR.	1~10		1

INSTALLATION MENU

TVLINK-LOADER

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

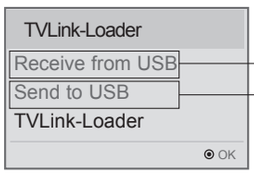
- TV sets for each single hotel rooms, providing 'TVLink-Loader' does maximise installers convenience. By copying all programme settings, picture setting, sound setting, option setting and installation menu setting. from a set as default and conveying into additional sets, which ensures uniformity between 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.



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.

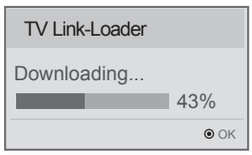


(Refer to 12 in p.12)
(Refer to 12 in p.12)

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.



6. Disappearing OSD implies Completion of data receiving or TV turns off automatically after completion of data sending.

* 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.

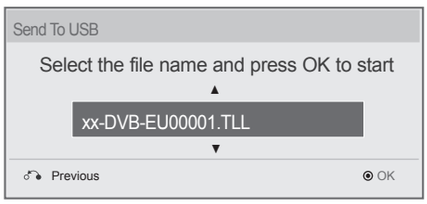
INSTALLATION MENU

Send To USB

“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.

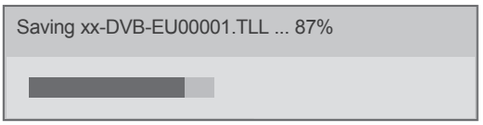
1



1



2

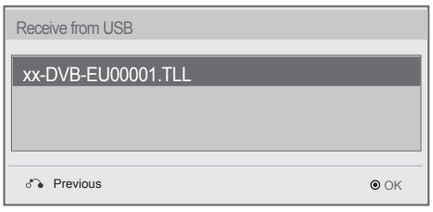


The process will be shown with progress bar, and as soon as sending the current profile is finished, a message acknowledging the learning process is complete will pop up.

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



1

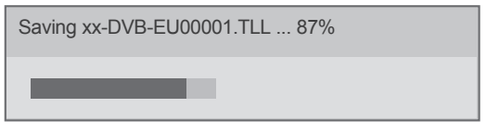


Choose a file to be written to the target TV

2



2

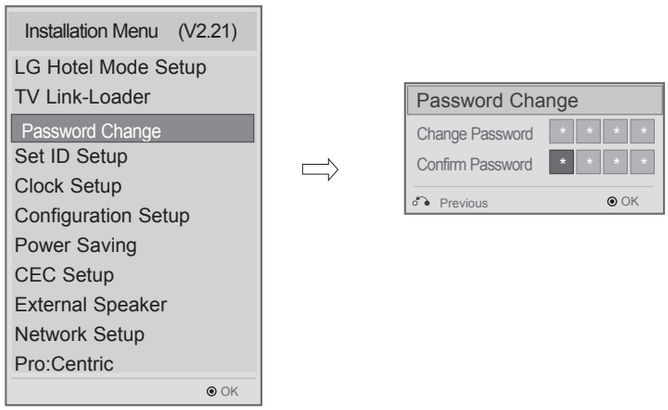


The process will be shown with progress bar, and as soon as teaching the current profile is finished, a message acknowledging the teaching process is complete will pop up.

3 TV turns off automatically after completion of data sending.

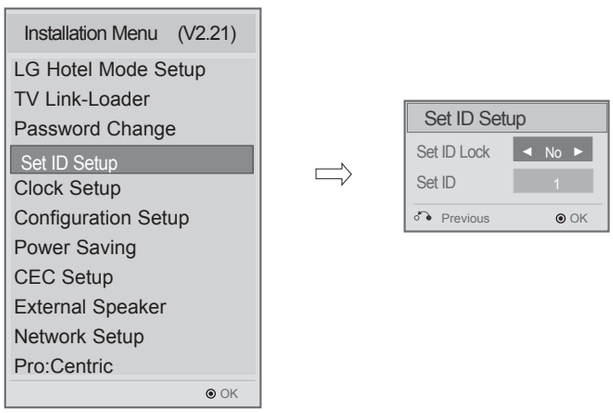
PASSWORD CHANGE

- **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

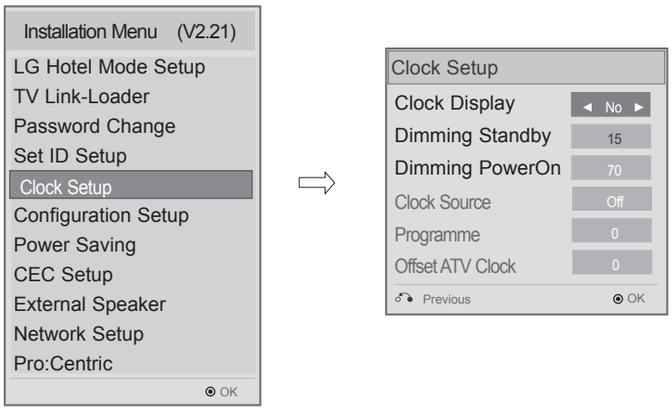


1. Use the ∨∧button to select the Set ID Setup.
   - **Set ID Lock**
     - Set the 'Set ID' item in 'OPTION' Menu whether to activate or not.
     - Set to Yes(Work) or No(Do Not Work).
   - **Set ID**
     - Set the 'Set ID' of TV Set with 1~99.

INSTALLATION MENU

CLOCK SETUP

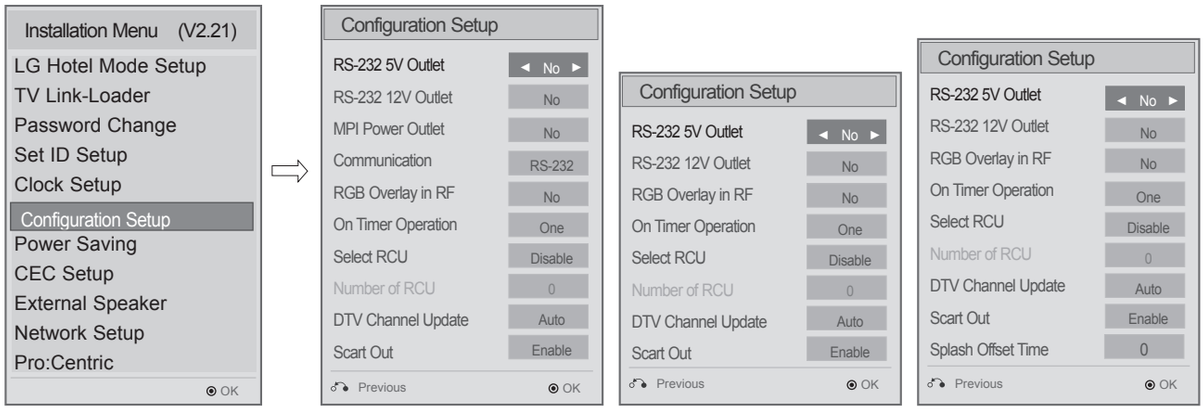
- To elaborate indoor condition in hotel rooms. The indicating luminous LED Clock helps guests to figure out time without turning on TV. Moreover, the level of luminance of LED Clock is adjustable according to each circumstances.



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 the LED clock at TV.
  - **Standby Dimming value** Range: 0~15
  - **PowerOn Dimming value** Range: 0~99
- **Clock Source** : You can select 'Off', 'ATV', 'DTV' 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.
- **Offset 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 default value of **Offset ATV Clock** is **0** and the range is between **-12Hrs** and **+12Hrs**.

CONFIGURATION SETUP

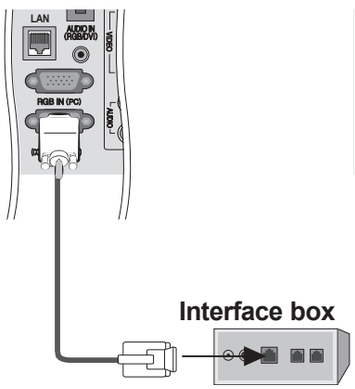


Only 32/37/42LD6*** Only 47LD6*** Only 32/37/42/47LV3***

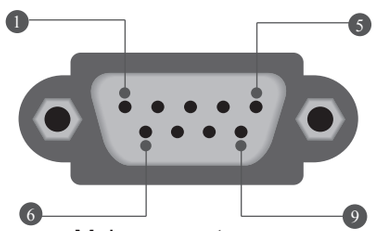
(1) RS-232 5V Outlet/ RS-232 12V Outlet

- 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 and MPI Power Outlet must operate mutually exclusively. That is, only one of the three sides must be turned on.

1 You can select **YES** or **NO** by pressing < > button.
- When select **YES** the 5V is forwarded through the port, alternatively when select **NO** the 5V is not transmitted.



Type of Connector: D-Sub 9-Pin Male



Male connector on box, viewed towards connector.

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	+5V	1A 5VDC 10%, max 100mV ripple,
9	+12V	1A 12VDC 10%, max 100mV ripple,

INSTALLATION MENU

(2) MPI Power Outlet (Only 32/37/42LD6***)

- Sets the MPI power supply. You can set to **Yes**, **No** or **Auto** using the < > button.
- When it is set to **Yes**, MPI power is supplied when the power is on and in standby mode.
- When it is set to **Auto**, MPI power is supplied only when the power is on; it is not supplied when the power is in standby mode.

(3) Communication (Only 32/37/42LD6***)

- Sets whether to use an external RS-232 port or MPI pin in the MPI card for communication between the TV and RS-232. You can set to **RS-232** or **MPI** using the < > button.

(4) 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.

(5) 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'.

(6) 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.

(7) 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.

(8) 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.

NOTE

- ► If you connect IB Box to the TV and want to use the channel add, delete, etc. which is one of the Interactive protocols, first of all, Select DTV Channel Update 'Manual'.
- ► Before beginning to use channel add, delete, etc protocol, delete TV`s channel map using 'Delete All Programs' protocol.
- ► Do not use Auto Tuning, Manual Tuning function.

(9) Scart Out

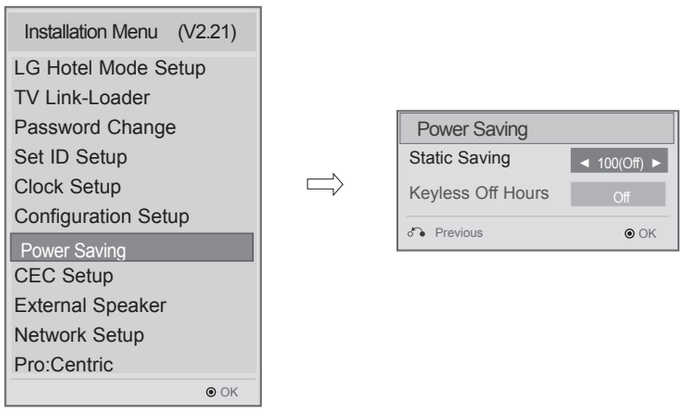
The monitor out signals can or cannot be output through the SCART cable, depending on the setting value of **Scart Out**. You can set to **Enable** or **Disable** using the < > button. The default value is **Enable**.

(10) Splash Offset Time (Only 32/37/42/47LV3***)

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

INSTALLATION MENU

POWER SAVING



1 Press the ∨∧button to select the Power Saving.

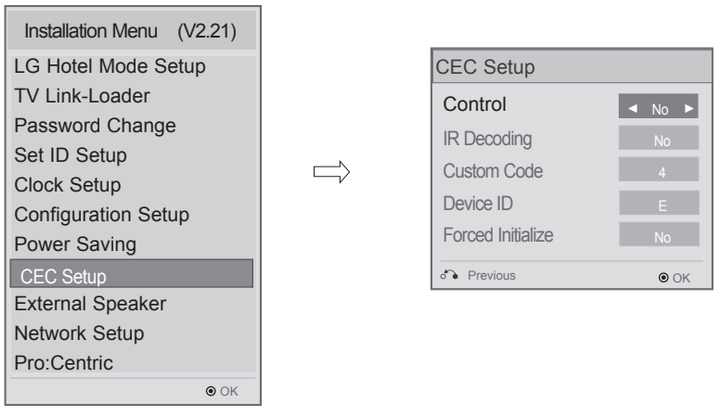
- **Static Saving** : It is the item for setting the level to reduce the backlight control from the items for saving the consuming power, which is increased or decreased by 10 steps from 0 to 100. 100 makes the consuming power set to the same one from the TV. 0 reduces the consuming power to the minimum. 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'.

CEC SETUP



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 sub-items.

(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

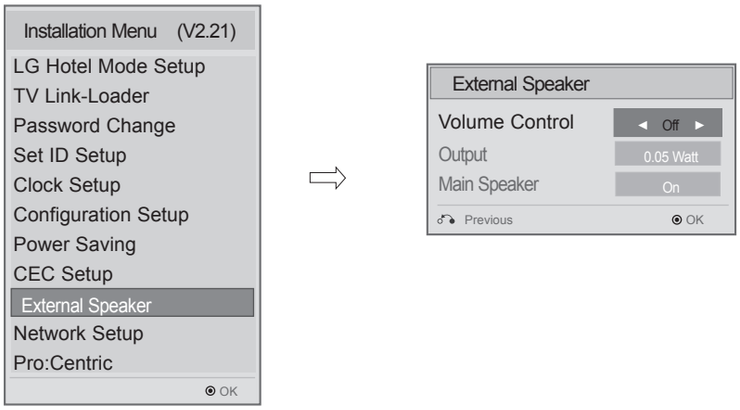
- Sets the ID of a device connected to the TVLink-CEC Line. You can choose between 1 and E. The default value is E.

(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.

INSTALLATION MENU

EXTERNAL SPEAKER



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 uses the volume key of Remote/Local key to change the volume up to 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 from 0.05/0.1/0.2/0.5/1/2/3 Watts. (Only 32/37/42/47LD6***)

  You can choose from 0.01/0.03/0.05/0.1/0.2/0.5/1/2/3 Watts. (Only 32/37/42/47LV3***)

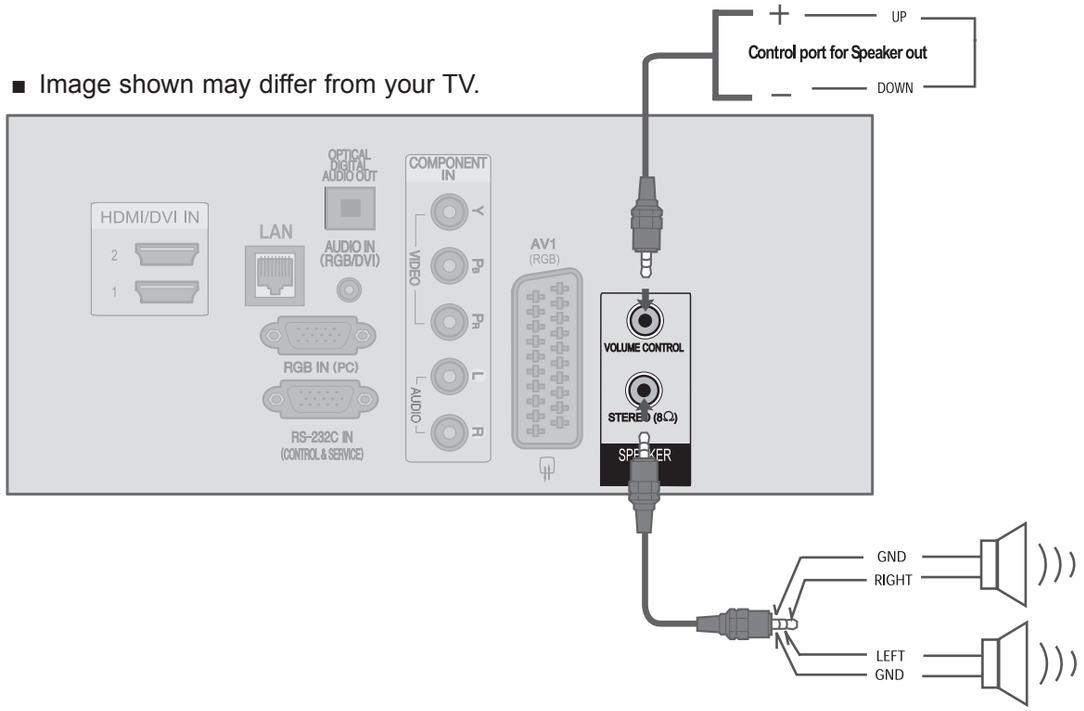
(3) Main Speaker

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

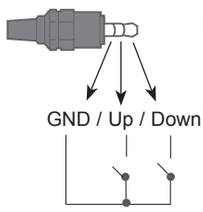
Speaker output setup

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

■ Image shown may differ from your TV.

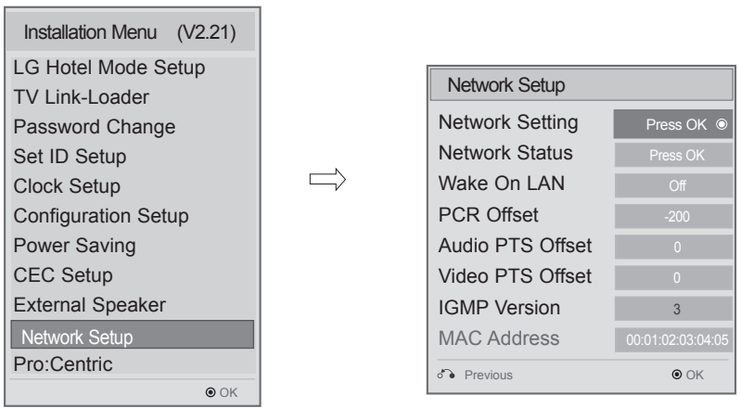


Method of Volume control port

Cable Spec.		• Each Up/ Down pin is pulled to 3.3V with CPU GPIO. • CPU detects transition from 3.3V to GND level for volume control.

INSTALLATION MENU

NETWORK SETUP



1 Use the ˇ ^ button to select the Network Setup.

(1) Network Setting
- Configures the IP settings of the TV set. You can set the IP address, subnet mask, gateway and DNS server using the OK button.

(2) Network Status
- You can also check whether the IP settings are configured properly using the OK button.

(3) Wake On LAN
- Sets the Wake On LAN function to Off or Warm or Normal.

(4) PCR Offset
- You can set up a Program Clock Reference (PCR) to suit the installation environment. The initial value is -200, and it can be changed in the range of -500~500. This has increments of 50.

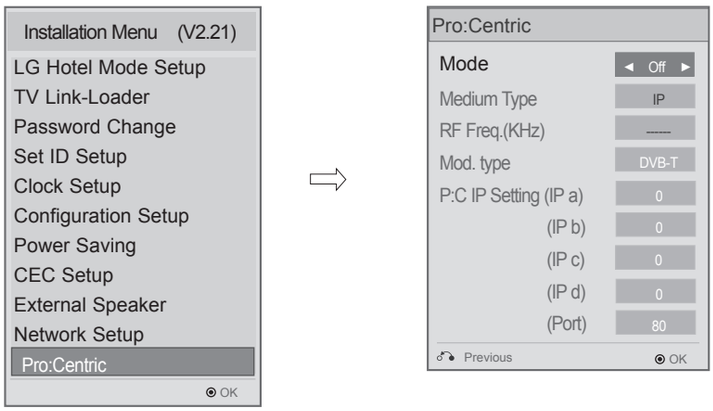
(5) Audio PTS Offset
- You can set up the audio information value of the Presentation Time Stamp (PTS) to suit the installation environment. The initial value is 0, and it can be changed in the range of -500~500. This has increments of 50.

(6) Video PTS Pffset
- You can set up the video information value of the Presentation Time Stamp (PTS) to suit the installation environment. The initial value is 0, and it can be changed in the range of -500~500. This has increments of 50.

(7) IGMP Version
- You can set up the IGMP Version. The initial value is version 3, and it can be changed version 2.

(8) MAC Address
- Displays the MAC address (not customizable).

Pro:Centric



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) Medium Type
- You can set to IP or RF using the < > button.
- If it is set to IP, RF is disabled.
- If it is set to RF, P:C IP Setting is disabled.

(3) RF Freq.(KHz)
- Sets the RF frequency at which the Pro:Centric data is received.
- Can be changed in the range of 1~999999.

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

(5) P:C IP Setting
- It can be set using the < > or number buttons.
  - **(IP a)** : Sets the first number in the IPv4 address.
  - **(IP b)** : Sets the second number in the IPv4 address.
  - **(IP c)** : Sets the third number in the IPv4 address.
  - **(IP d)** : Sets the fourth number in the IPv4 address.
  - **(Port)** : Sets the actual port number where the Pro:Centric server is running. It can be set using the < > or number buttons.
- The default value of **IP a/b/c/d** is 0 and the range is between 0 and 255. The default value of **Port** is 80 and the range is between 0 and 65535.

DOWNLOAD EXTRA CONTENTS

DOWNLOAD EXTRA CONTENTS TO TV SET

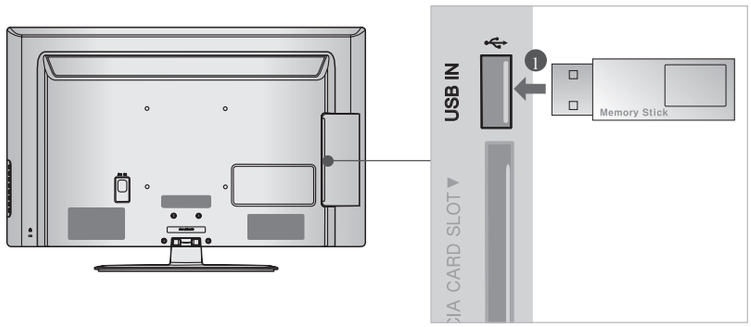
The Pro:Centric application can be downloaded to your TV.

FLASH (*.SWF) / GEM supporting file

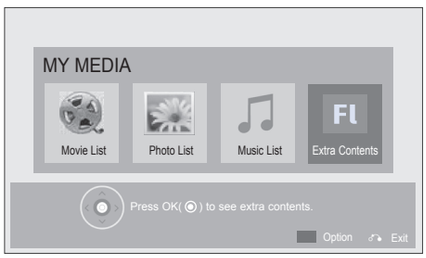
An SWF file complied with Flash Lite 3.0 or earlier (the 3.0 version is recommended)

- **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.

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



2



1 2 Select **Extra Contents**.

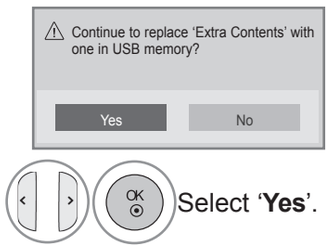
2 Enter a four digit password.

- 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



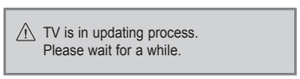
Select '**Yes**'.

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.



■ 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

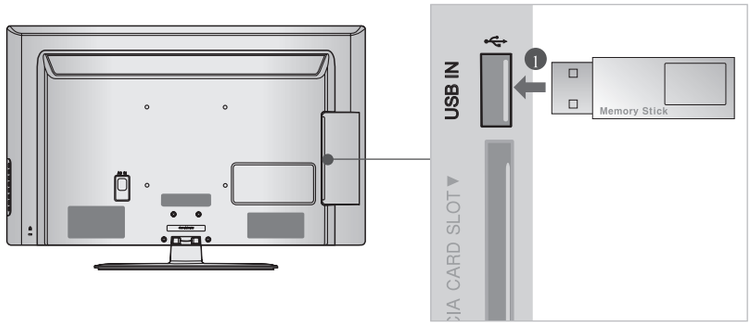
► When playing the Application file(FLASH or GEM file), the buttons are controlled according to the settings of the Extra Contents option.

DOWNLOAD A SPLASH IMAGE

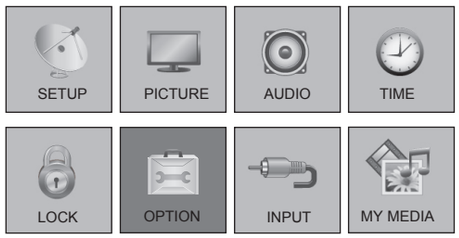
DOWNLOAD SPLASH IMAGE FILE(HLD FILE) TO TV SET

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

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



2



or



1 MENU or Home Select **OPTION**.

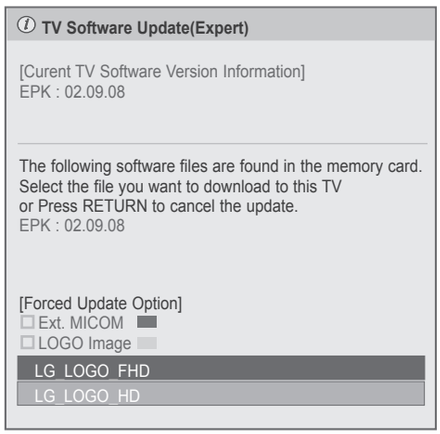
2 CHAR/NUM MARK Press **MARK button** seven times, TV Software Update(Expert) menu will appear.

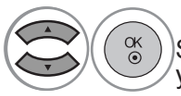
1 MENU or Home Select **OPTION**.

2 OK Select **OPTION**.

3 CHAR/NUM MARK Press **MARK button** seven times, TV Software Update(Expert) menu will appear.

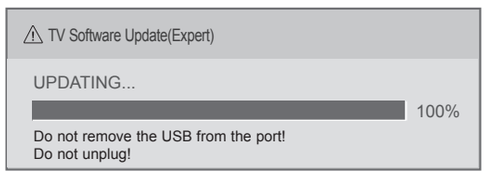
3





Select a Splash Image file you want.

4





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

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



NOTE

- ► Splash Image update only supports BMP format file of less than 6.2 MB filesize.
  - Only 32LD6*** : Resolution up to 1366x768, 24bit(Only), BMP image(windows bitmap)
  - Only 37/42/47LD6***, 32/37/42/47LV3*** : Resolution up to 1920x1080, 24bit(Only), BMP image(windows bitmap)
- ► TV keep splash image until you change a new splash image.



Record the model number and serial number of the TV.
Refer to the label on the back cover and quote this information to your dealer when requiring any service.

Model : _____

Serial No. : _____



Trade Mark of the DVB Digital Video Broadcasting Project (1991 to 1996)