Life's Good

LCD TV
OWNER'S MANUAL

LCD TV MODELS

26LG3***	32LG6***
32LG3***	42LG6***
37LG3***	47LG6***
42LG3***	52LG6***
32LG5***	42LG7***
42LG5***	47LG7***
47LG5***	52LG7***

Please read this manual carefully before operating your TV.
Retain it for future reference.
Record 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 service.

DVB
Digital Video Broadcasting

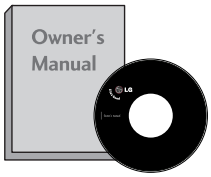
DVB is a registered trademark of the DVB Project

ID Number(s): 5281: 26LG30D-AA
5282: 32LG30D-AA
5283: 37LG30D-AA
5284: 42LG30D-AA
5583: 32LG50FD-AD
5524: 47LG50FD-AD
5525: 42LG50FD-AD
5463: 47LG50FD-AA
5464: 42LG50FD-AA
5285: 32LG60UD-AA
5461: 47LG60FD-AA
5462: 42LG60FD-AA
5459: 42LG61YD-AC
5582: 47LG61YD-AC
5457: 52LG65YD-AC
5458: 47LG65YD-AC
5454: 52LG70YD-AA
5455: 47LG70YD-AA
5456: 42LG70YD-AA
5798: 32LG60FD-AC
5801: 42LG61YD-AJ
5802: 52LG70YD-AG

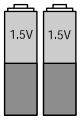
ENERGY STAR

ACCESSORIES

- Ensure that the following accessories are included with your TV.
- If an accessory is missing, please contact the dealer where you purchased the TV.
- Image shown may differ from your TV.



Owner's Manual



Batteries

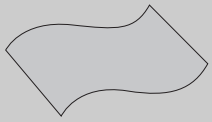


Power Cord



Remote Control

This feature is not available for all models.



Polishing Cloth
Polishing cloth for use on the screen.

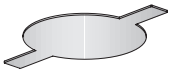
*** Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.**

Do not use excessive force. This may cause scratching or discolouration.

Only 32/42/47/52LG6***

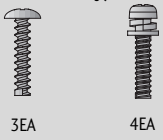


Cable management clip



Protection cover
(Refer to p.12)

(32LG6* only)**



bolts for stand assembly
(Refer to p. 8)

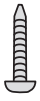
Only 26/32/37/42LG3*, 32/42/47LG5***, 42/47/52LG7*****

(26/32/37LG3* only)**

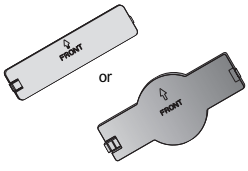


Bolts for stand assembly
(Refer to p.9)

(26/32/42LG3*, 32/42LG5*** only)**



1-screw for stand fixing
(Refer to p.9)



Protection Cover
(Refer to p.12)

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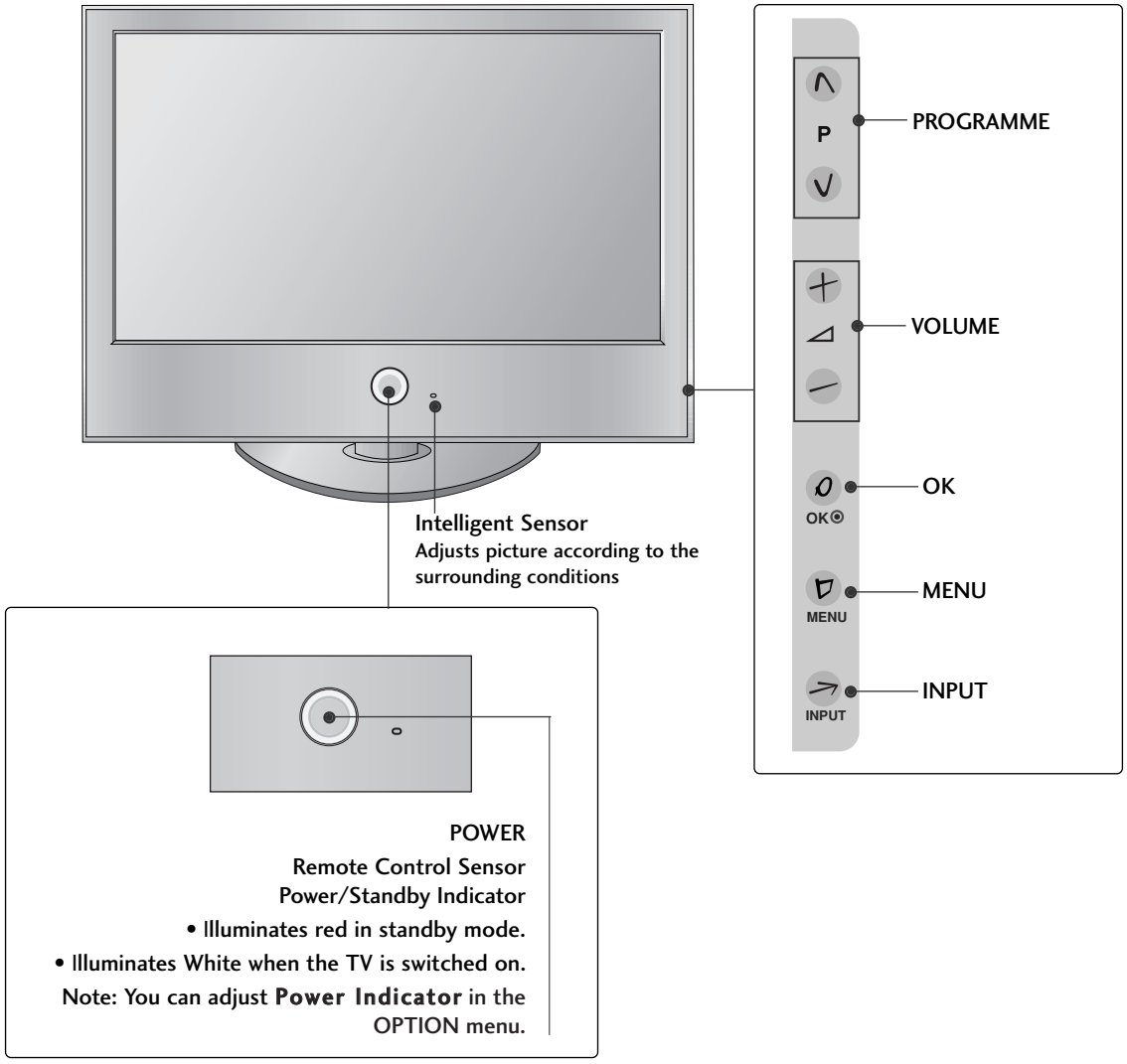
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PREPARATION

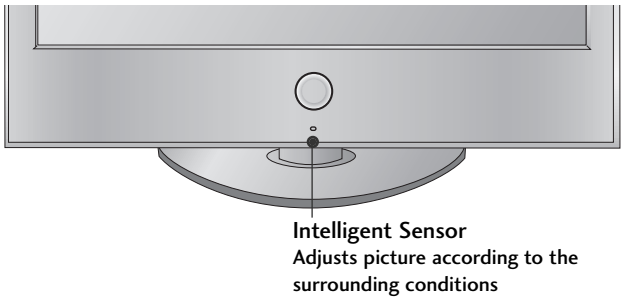
FRONT PANEL CONTROLS

- Image shown may differ from your TV.
- If your TV has a protection film attached, remove the film and then wipe the product with a polishing cloth.

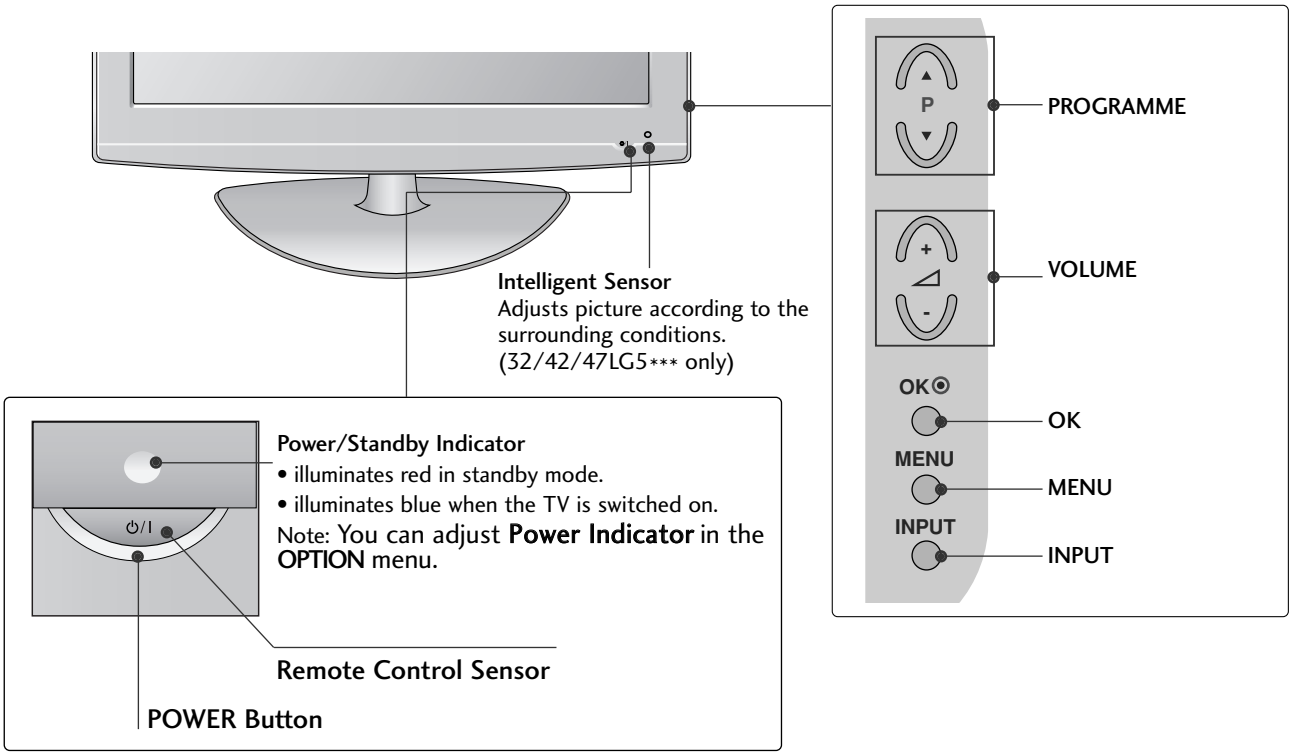
32/42/47/52LG6***



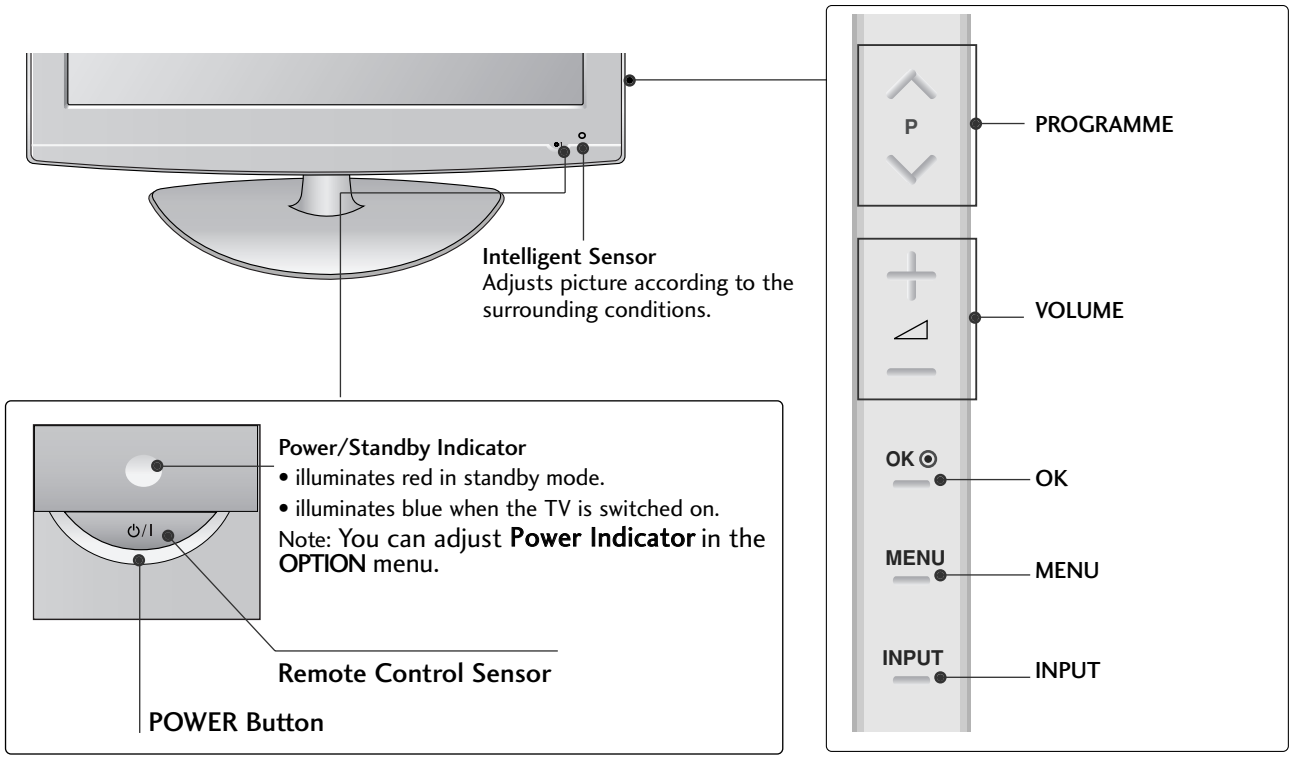
Only 42LG61**



26/32/37/42LG3***, 32/42/47LG5***



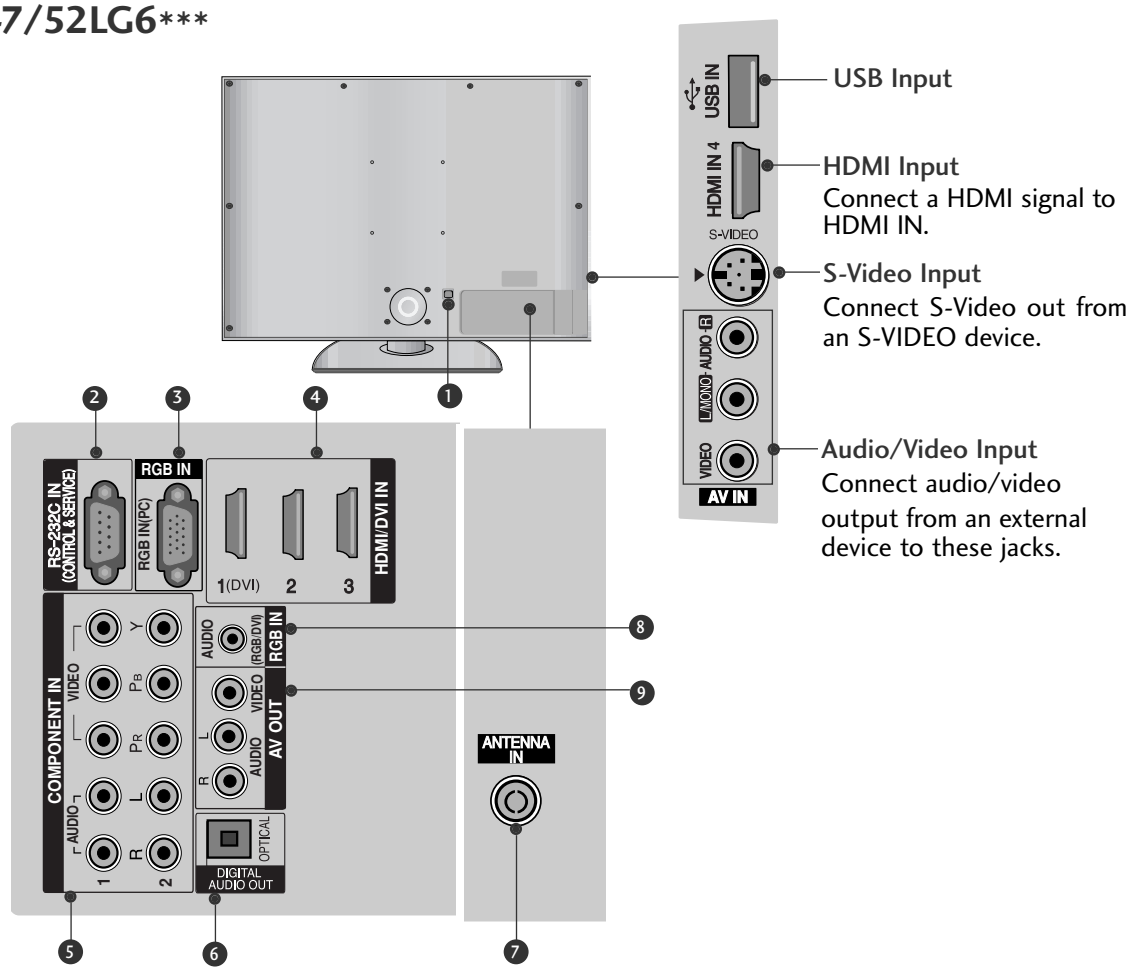
42/47/52LG7***



BACK PANEL INFORMATION

■ Image shown may differ from your TV.

32/42/47/52LG6***



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 **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.

❸ **RGB Input**
Connect the output from a PC.

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

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

❻ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.

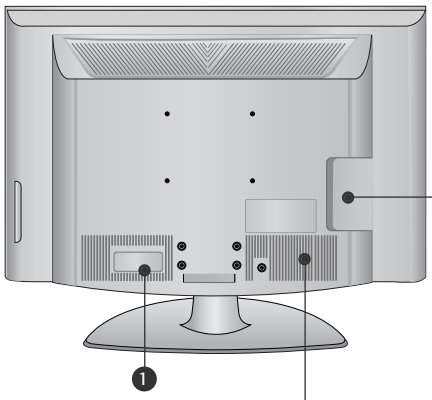
❼ **Antenna Input**
Connect RF antenna to this jack.

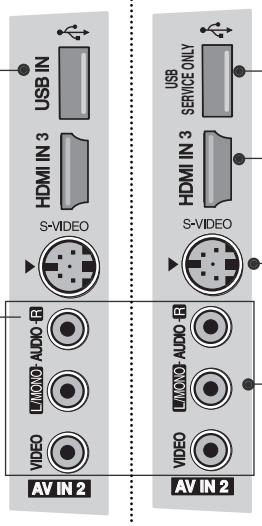
❽ **RGB/DVI Audio Input**
Connect the audio from a PC.

❾ **AV OUT**
Connect second TV or monitor to the AV OUT socket on the set.

■ Image shown may differ from your TV.

42/47/52LG7***





26/32/37/42LG3*, 32/42/47LG5*****

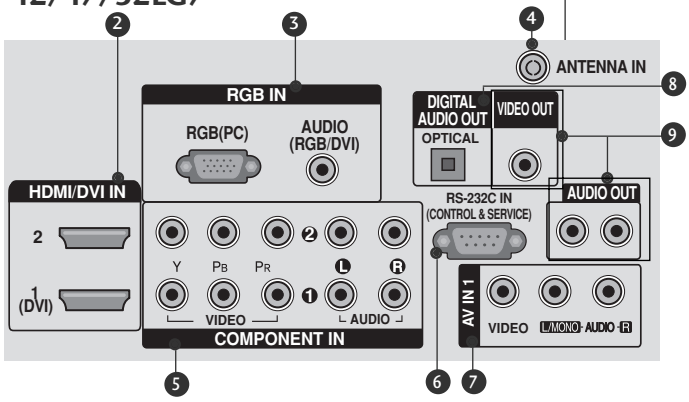
USB Input
(Service only)

HDMI Input
Connect a HDMI signal to HDMI IN.

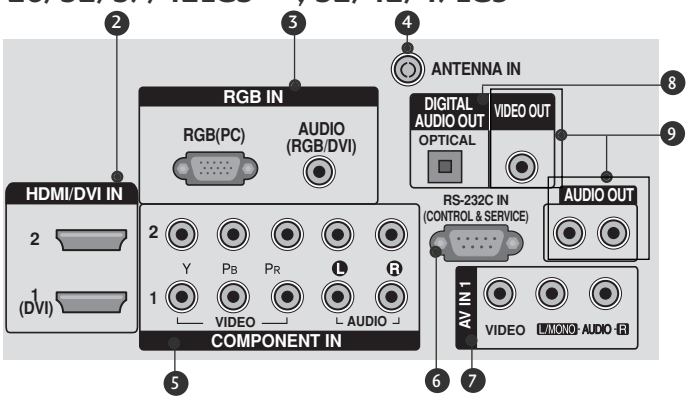
S-Video Input
Connect S-Video out from an S-VIDEO device.

Audio/Video Input
Connect audio/video output from an external device to these jacks.

42/47/52LG7***



26/32/37/42LG3*, 32/42/47LG5*****



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

❸ **RGB/Audio Input**
Connect the monitor output from a PC to the appropriate input port.

❹ **Antenna Input**
Connect RF antenna to this jack.

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

❻ **RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.

❼ **Audio/Video Input(AV IN 1)**
Connect audio/video output from an external device to these jacks.

❽ **OPTICAL DIGITAL AUDIO OUT**
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.

❾ **AUDIO/VIDEO OUT**
Connect second TV or monitor to the AUDIO/VIDEO OUT socket on the set.

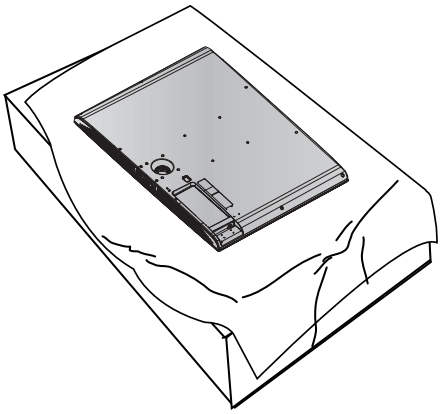
PREPARATION

STAND INSTALLATION (Only 32LG6***)

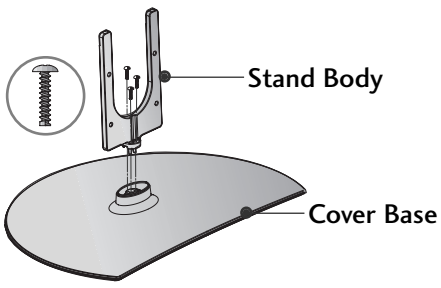
■ Image shown may differ from your TV.

When assembling the desk type stand, check whether the bolt is fully tightened.
(If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

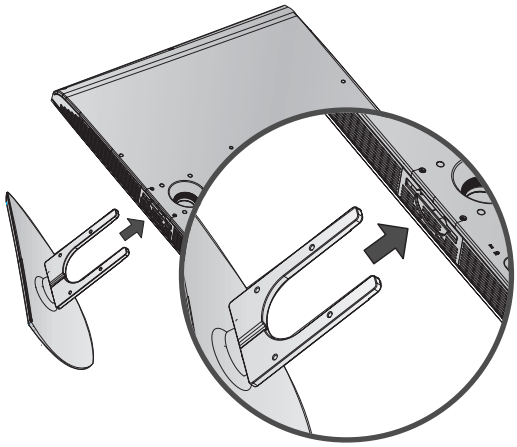
1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



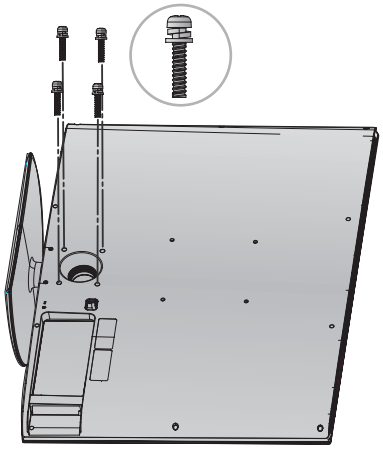
2 Assemble the parts of the **Stand Body** with **Cover Base** of the TV.



3 Assemble the TV as shown.

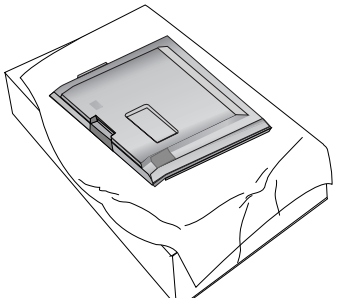


4 Fix the 4 bolts securely using the holes in the back of the TV.

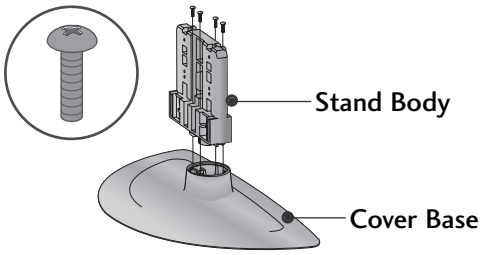


(Only 26/32/37LG3***)

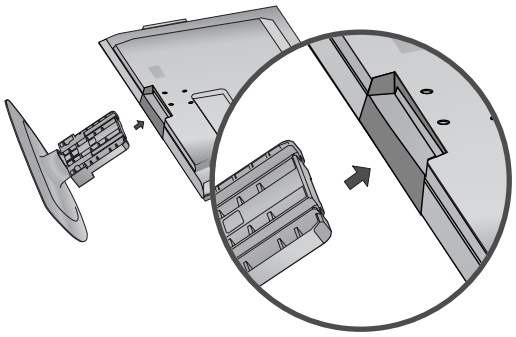
1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



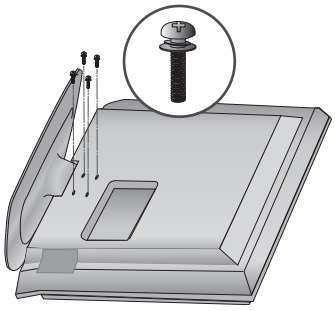
2 Assemble the parts of the **Stand Body** with the **Cover Base** of the TV.



3 Assemble the TV as shown.

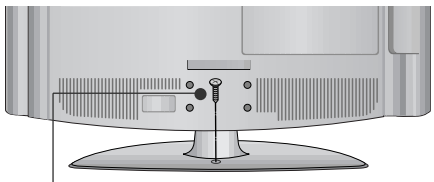


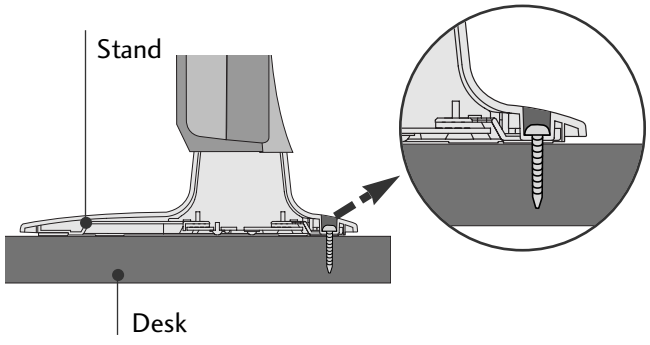
4 Fix the 4 bolts securely using the holes in the back of the TV.



ATTACHING THE TV TO A DESK (Only 26/32/42LG3***, 32/42LG5***)

The TV must be attached to desk so it cannot be pulled in a forward/backward direction, potentially causing injury or damaging the product. Use only an attached screw.





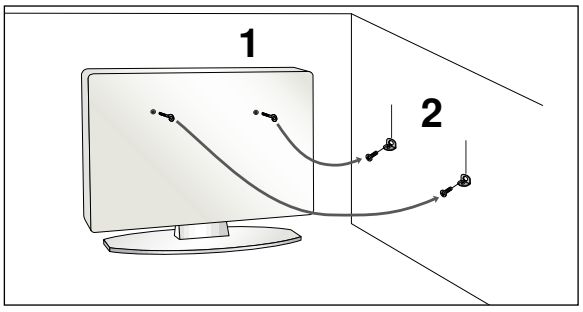
WARNING

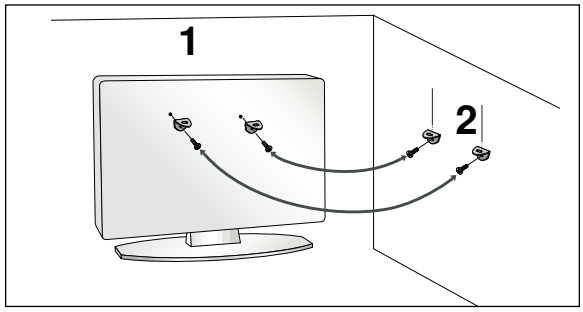
- **To prevent TV from falling over, the TV should be securely attached to the floor/wall per installation instructions. Tipping, shaking, or rocking the machine may cause injury.**

PREPARATION

PLEASE SET IT UP CAREFULLY SO THE PRODUCT DOESN'T FALL OVER.

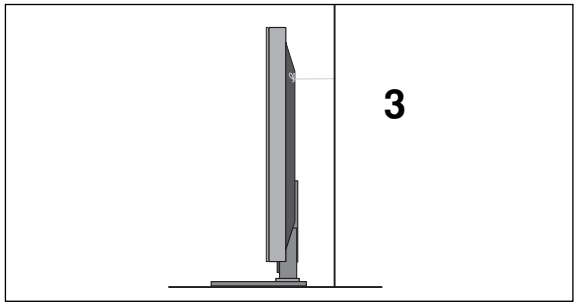
- You should purchase necessary components to fix the TV to the wall on the market.
- **Position the TV close to the wall to avoid the possibility of it falling when pushed.**
- **The instructions shown below are a safer way to set up the TV, which is to fix it to the wall, avoiding the possibility of it falling forwards if pulled. This will prevent the TV from falling forward and causing injury. This will also prevent the TV from damage. Ensure that children do not climb or hang from the TV.**





1. Use the eye-bolts or TV brackets/bolts to fix the product to the wall as shown in the picture.
   (If your TV has bolts in the eyebolts, loosen then bolts.)
   * Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

2. Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.



3. Use a sturdy rope to tie the product. It is safer to tie the rope so it becomes horizontal between the wall and the product.

NOTE

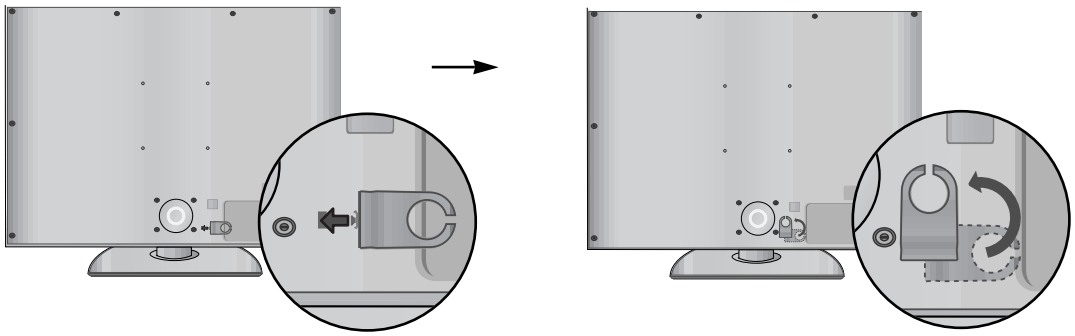
- ► When moving the TV undo the cords first.
- ► Use a platform or cabinet strong and large enough to support the size and weight of the TV.
- ► To use the TV safely make sure that the height of the bracket on the wall and on the TV is the same.

BACK COVER FOR WIRE ARRANGEMENT

■ Image shown may differ from your TV.

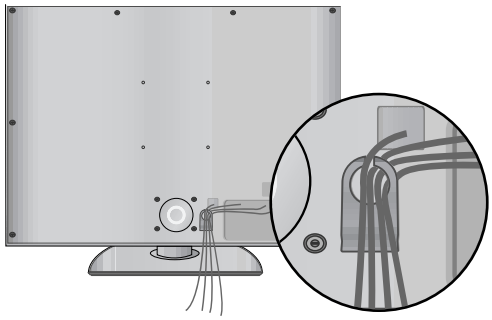
32/42/47/52LG6***

1 Align the hole with the tab on the **CABLE MANAGEMENT CLIP**.
Turn the **CABLE MANAGEMENT CLIP** as shown.
Note: This cable management can be broken by excessive pressure.



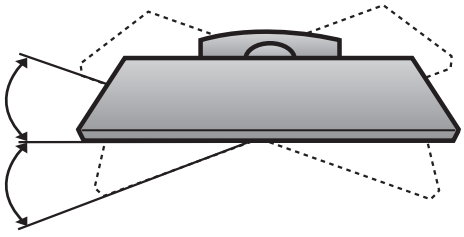
2 Connect the cables as necessary.

To connect additional equipment, see the **External Equipment Setup** section.



SWIVEL STAND

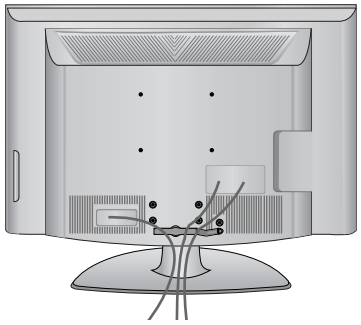
This feature is not available for all models.
After installing the TV, you can adjust the TV set manually to the left or right direction by 20 degrees to suit your viewing position.



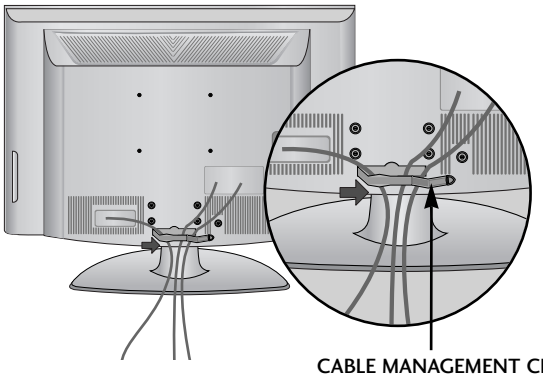
PREPARATION

26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***

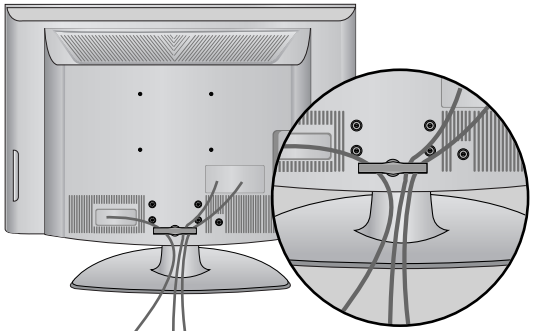
1 Connect the cables as necessary.
To connect additional equipment, see the **External Equipment Setup** section of the manual.



2 Open the **CABLE MANAGEMENT CLIP** as shown and manage the cables.



3 Fit the **CABLE MANAGEMENT CLIP** as shown.

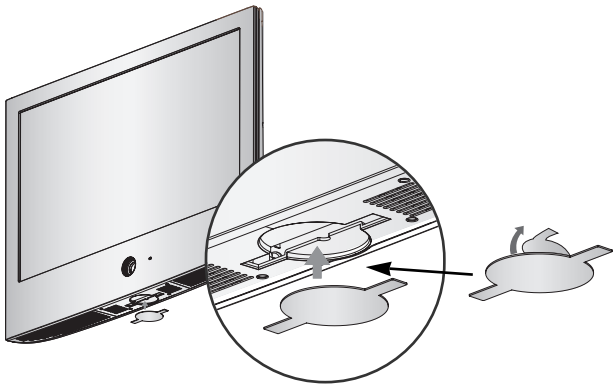


NOT USING THE DESK-TYPE STAND

When installing the wall-mounted unit, use the protection cover for desk-type stand installation.

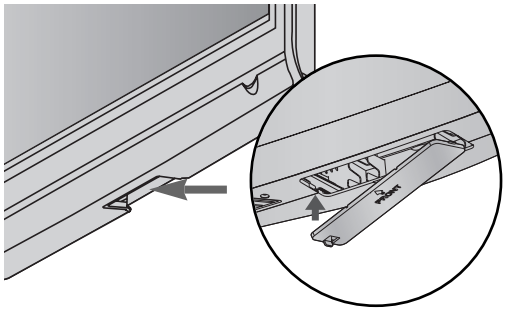
- Image shown may differ from your TV.

32/42/47/52LG6***



After removing the protection paper from the protection cover, adhere it to the TV as shown.

26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***



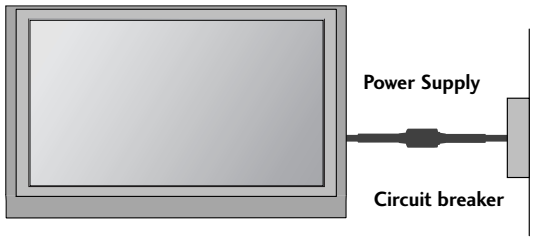
Insert the **PROTECTION COVER** into the TV until clicking sound.

- The TV can be installed in various ways such as on a wall, or on a desktop etc.
- The TV is designed to be mounted horizontally.

EARTHING

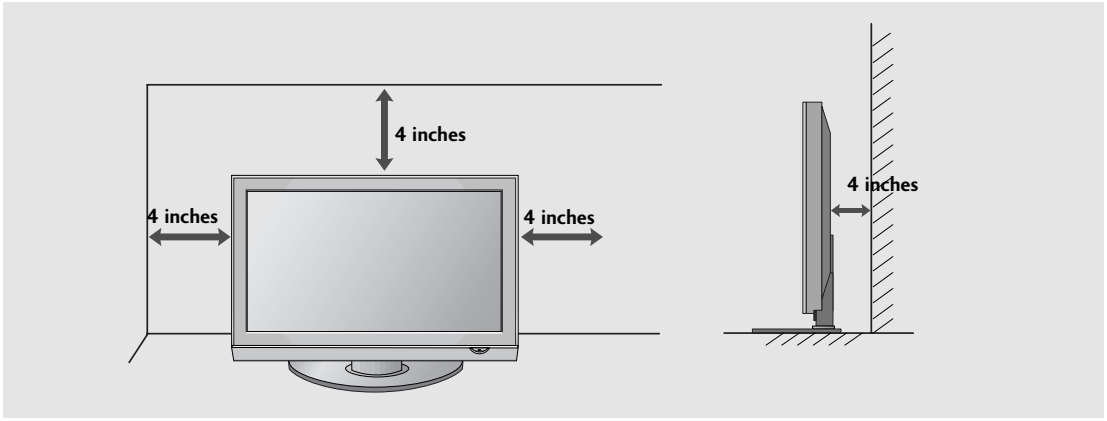
Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

Do not try to earth the TV by connecting it to telephone wires, lightening rods or gas pipes.



DESKTOP PEDESTAL INSTALLATION

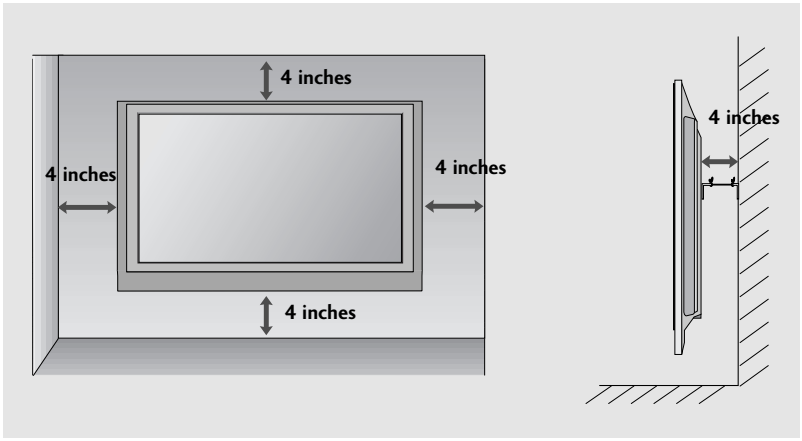
For adequate ventilation allow a clearance of 4" (10cm) all around the TV.



WALL MOUNT: HORIZONTAL INSTALLATION

For adequate ventilation allow a clearance of 4" (10cm) all around the TV. We recommend that you use a wall mounting bracket of LG brand when mounting the TV to a wall.





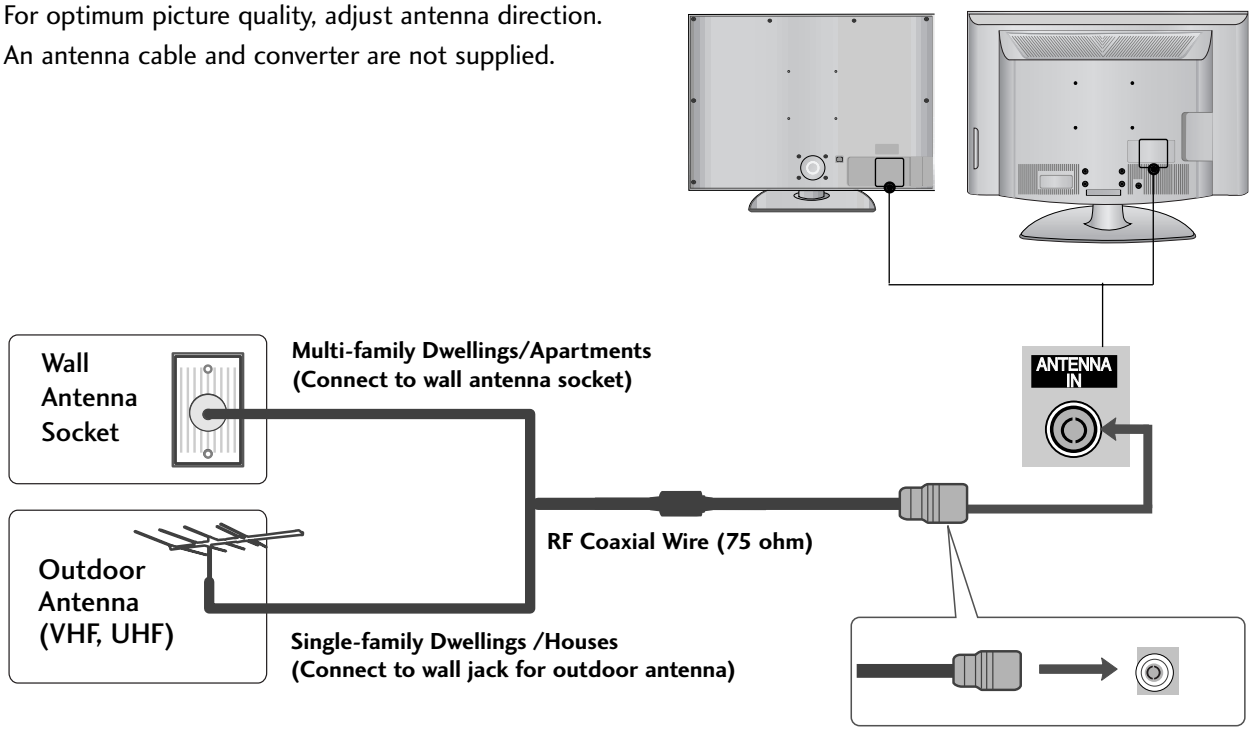
PREPARATION

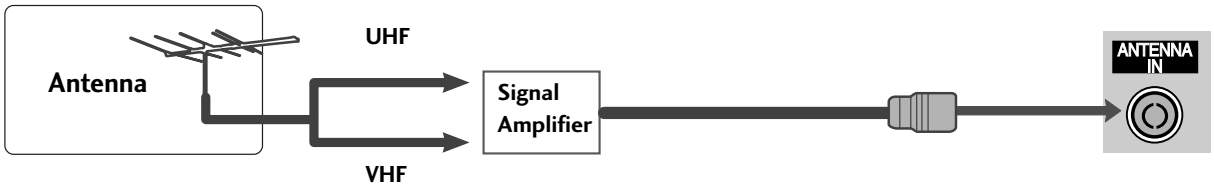
■ To prevent damage do not connect to the mains outlet until all connections are made between the devices.

ANTENNA CONNECTION

■ For optimum picture quality, adjust antenna direction.

■ An antenna cable and converter are not supplied.





■ In poor signal areas, to achieve better picture quality it may be necessary to install a signal amplifier to the antenna as shown above.

■ If signal needs to be split for two TVs, use an antenna signal splitter for connection.

EXTERNAL EQUIPMENT SETUP

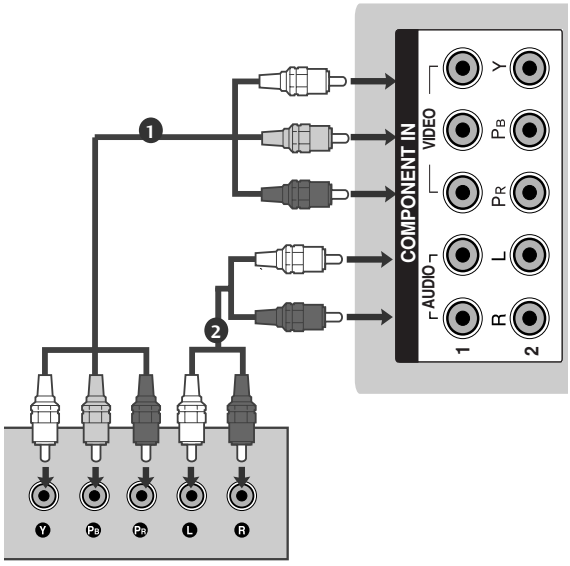
- **To avoid damaging any equipment, never plug in any power cords until you have finished connecting all equipment.**
- **This section on EXTERNAL EQUIPMENT SETUP mainly uses diagrams for the 42LG6***/42LG7*** model.**
- Image shown may differ from your TV.

HD RECEIVER SETUP

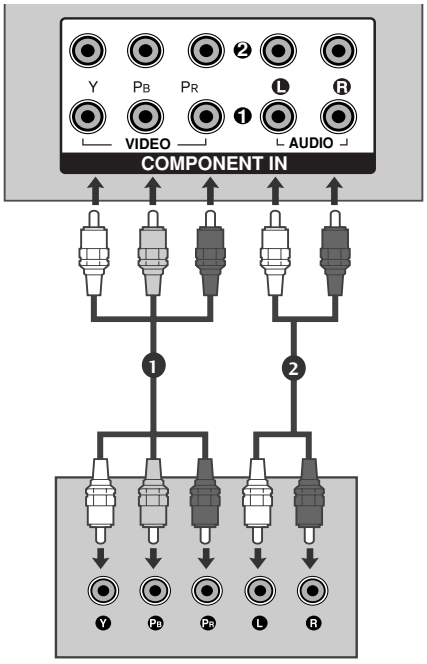
- This TV can receive Digital RF/Cable signals without an external digital set-top box. However, if you do receive Digital signals from a digital set-top box or other digital external device, refer to the diagram as shown below.

Connecting with a component cable

1. Connect the video outputs (Y, PB, PR) of the digital set top box to the **COMPONENT IN VIDEO** jacks on the TV.
2. Connect the audio output of the digital set-top box to the **COMPONENT IN AUDIO** jacks on the TV.
3. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
4. Select **Component1** input source using the **INPUT** button on the remote control. If connected to **COMPONENT IN 2** input, select **Component 2** input source.



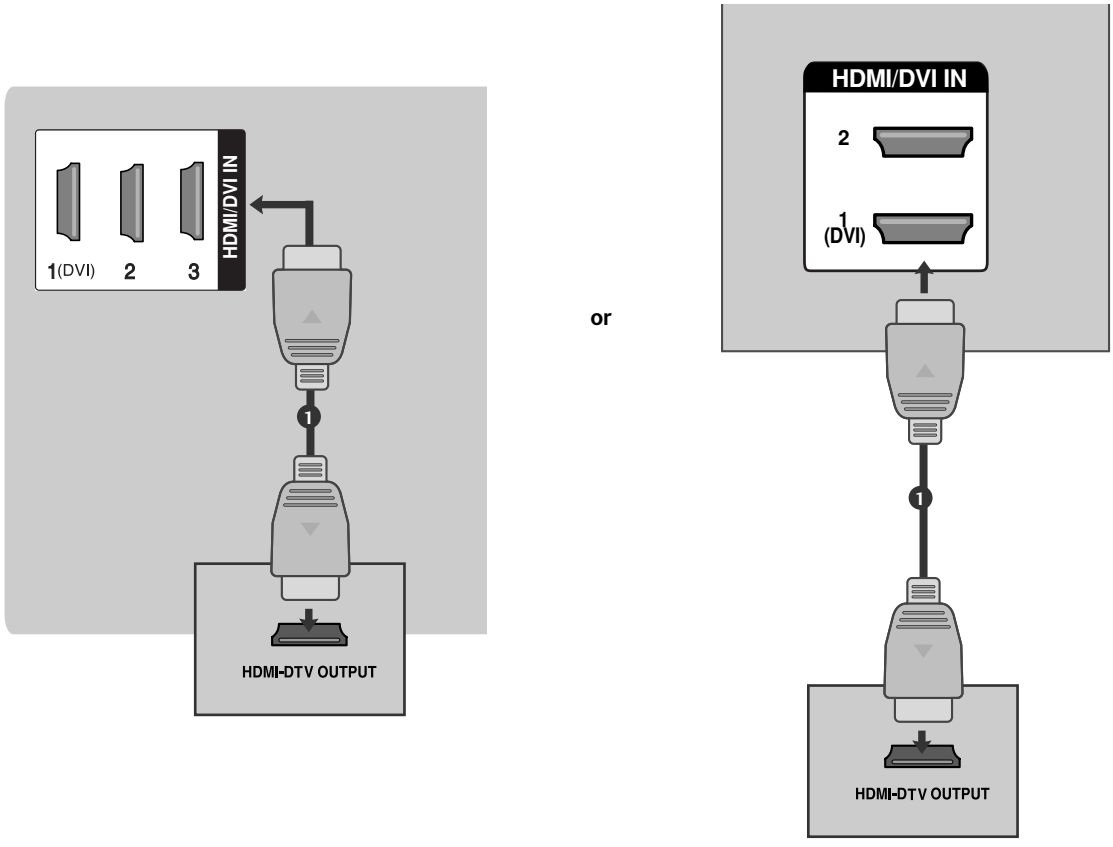
or



Signal	Component	HDMI
480i/576i	Yes	No
480p/576p	Yes	Yes
720p/1080i	Yes	Yes
1080p	Yes (50/60Hz only)	Yes (24Hz/30Hz/50Hz/60Hz)

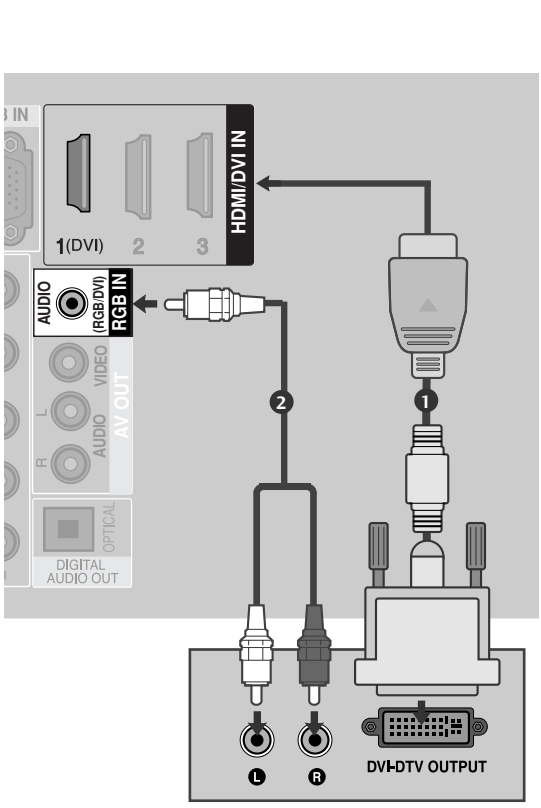
Connecting a set-top box with an HDMI cable

1. Connect the digital set-top box to **HDMI/DVI IN 1**, **HDMI IN 2**, **HDMI IN 3** or **HDMI IN 4**(only 32/42/47/52LG6***) jack on the TV.
2. Turn on the digital set-top box.
(Refer to the owner's manual for the digital set-top box.)
3. Select **HDMI1**, **HDMI2**, **HDMI3** or **HDMI4**(only 32/42/47/52LG6***) input source using the **INPUT** button on the remote control.

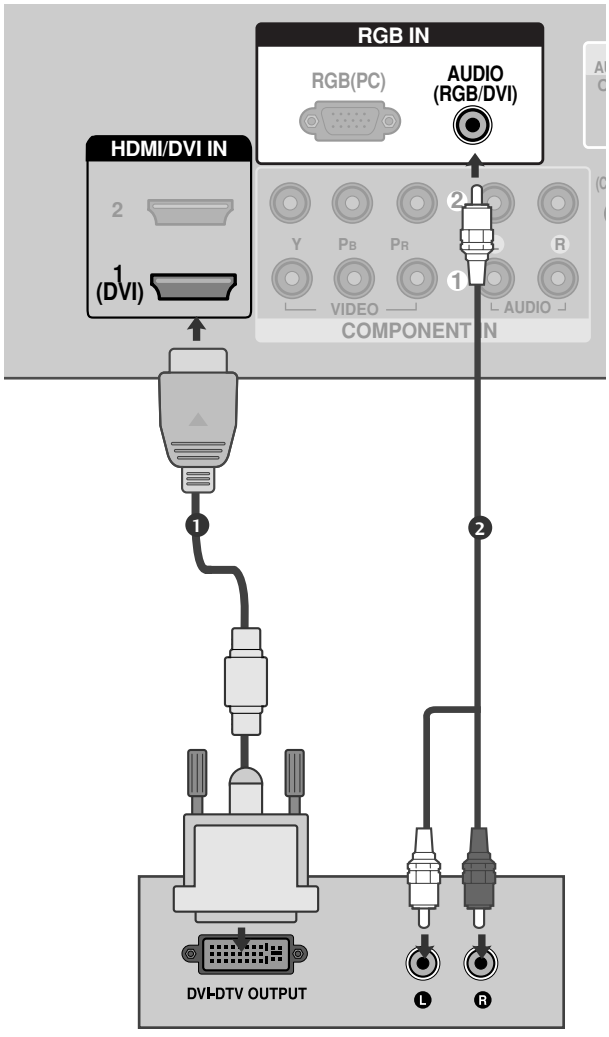


Connecting with an HDMI to DVI cable

1. Connect the digital set-top box to **HDMI/DVI IN 1** jack on the TV.
2. Connect the audio output of the digital set-top box to the **AUDIO (RGB/DVI)** jack on the TV.
3. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
4. Select **HDMI1** input source using the **INPUT** button on the remote control.



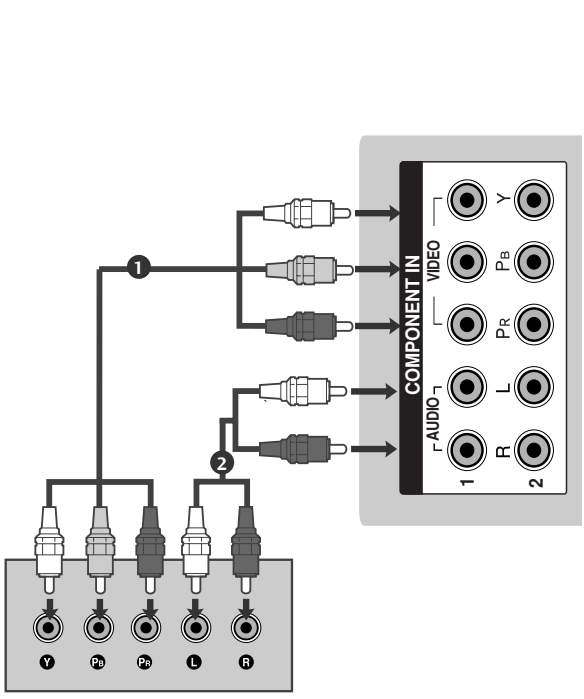
or



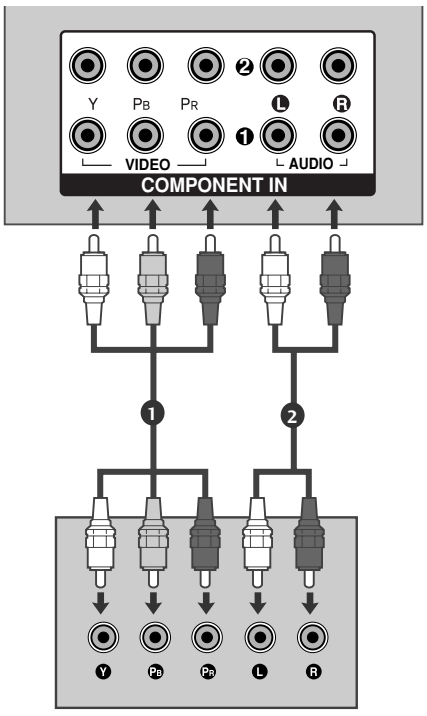
DVD SETUP

Connecting with a component cable

1. Connect the video outputs (Y, PB, PR) of the DVD to the **COMPONENT IN VIDEO** jacks on the TV.
2. Connect the audio outputs of the DVD to the **COMPONENT IN AUDIO** jacks on the TV.
3. Turn on the DVD player, insert a DVD.
4. Select **Component1** input source using the **INPUT** button on the remote control. If connected to **COMPONENT IN 2** input, select **Component 2** input source.
5. Refer to the DVD player's manual for operating instructions.



or



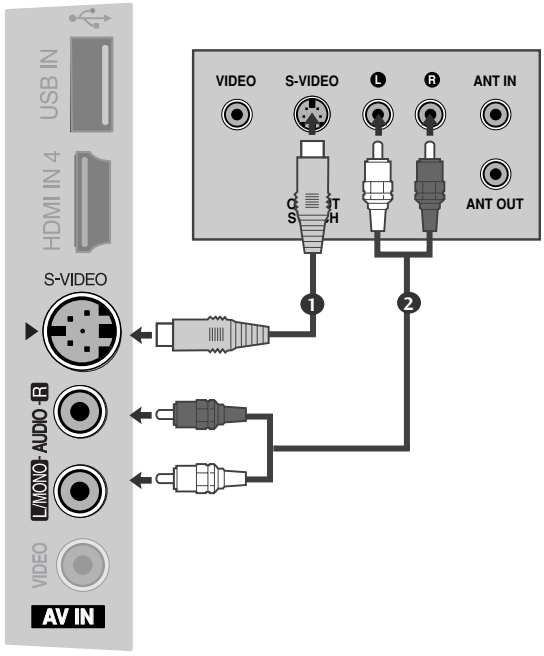
Component Input ports

To achieve better picture quality, connect a DVD player to the component input ports as shown below.

Component ports on the TV	Y	PB	PR
Video output ports on DVD player	Y	PB	PR
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

Connecting with a S-Video cable

1. Connect the S-VIDEO output of the DVD to the **S-VIDEO** input on the TV.
2. Connect the audio outputs of the DVD to the **AUDIO** input jacks on the TV.
3. Turn on the DVD player, insert a DVD.
4. Select **AV** input source using the **INPUT** button on the remote control.
5. Refer to the DVD player's manual for operating instructions.



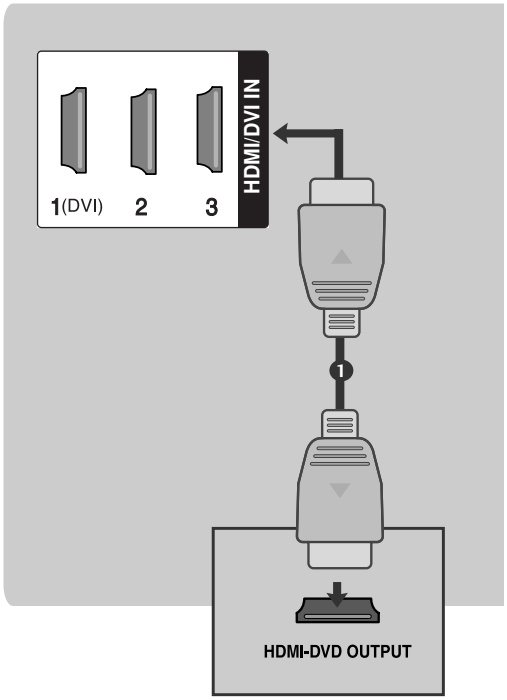
EXTERNAL EQUIPMENT SETUP

Connecting the HDMI cable

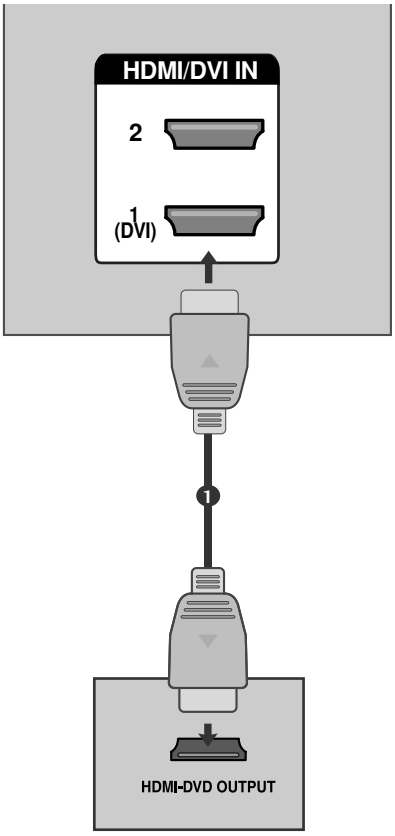
1. Connect the HDMI output of the DVD to the **HDMI/DVI IN 1**, **HDMI IN 2**, **HDMI IN 3** or **HDMI IN 4**(only 32/42/47/52LG6***) jack on the TV.
2. Select **HDMI1**, **HDMI2**, **HDMI3** or **HDMI4**(only 32/42/47/52LG6***) input source using the **INPUT** button on the remote control.
3. Refer to the DVD player's manual for operating instructions.

NOTE

- ▶The TV can receive video and audio signals simultaneously when using a HDMI cable.
- ▶If the DVD does not support Auto HDMI, you must set the output resolution appropriately.



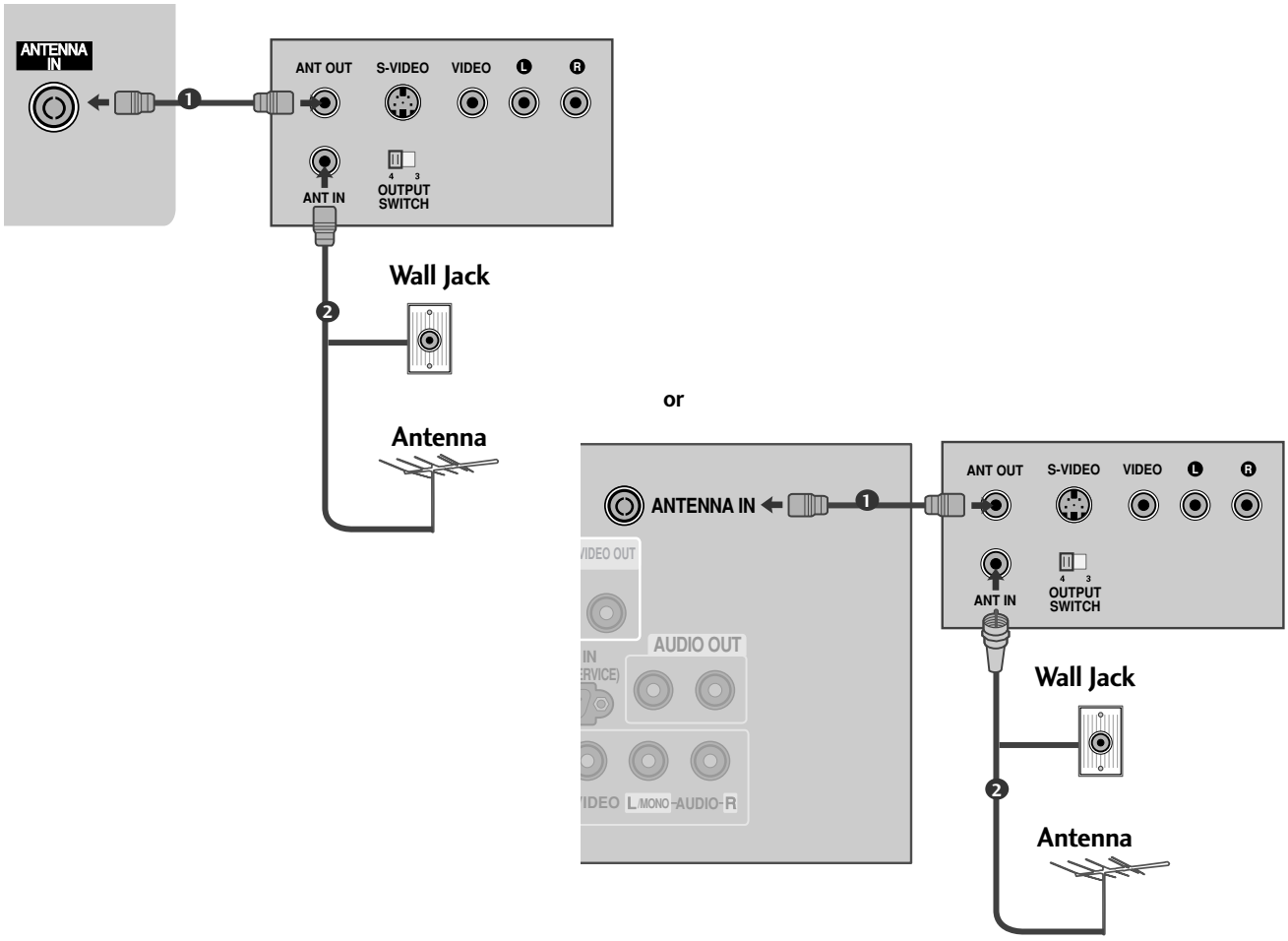
or



VCR SETUP

- To avoid picture noise (interference), allow adequate distance between the VCR and TV.
- Typically a frozen still picture from a VCR. If 4:3 picture format is used for an extended period the fixed images on the sides of the screen may remain visible.

Connecting with a RF Cable

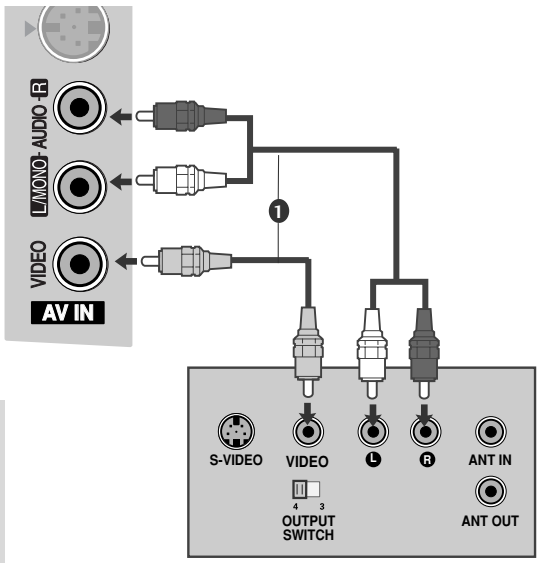


1. Connect the **ANT OUT** socket of the VCR to the **ANTENNA IN** socket on the TV.
2. Connect the antenna cable to the **ANT IN** socket of the VCR.
3. Press the **PLAY** button on the VCR and match the appropriate channel between the TV and VCR for viewing.

EXTERNAL EQUIPMENT SETUP

Connecting with a RCA cable

1. Connect the **AUDIO/VIDEO** jacks between TV and VCR. Match the jack colours (Video = yellow, Audio Left = white, and Audio Right = red)
2. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
3. Select **AV** input source using the **INPUT** button on the remote control.

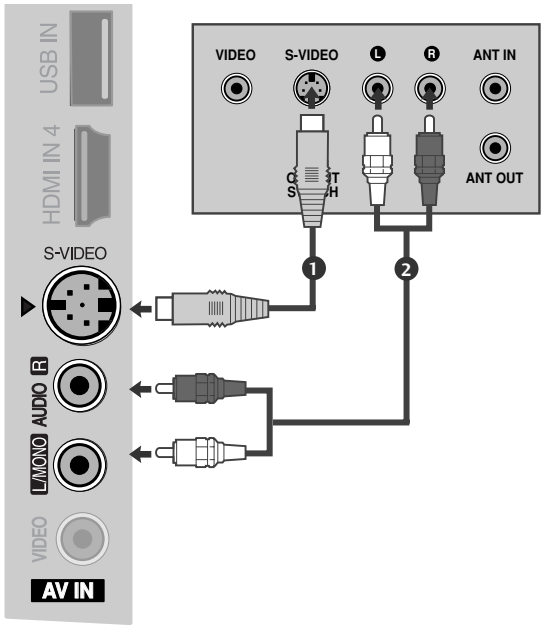


NOTE

- If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** jack of the TV.

Connecting with a S-Video cable

1. Connect the S-VIDEO output of the VCR to the **S - VIDEO** input on the TV set. The picture quality is improved; compared to normal composite (RCA cable) input.
2. Connect the audio outputs of the VCR to the **AUDIO** input jacks on the TV.
3. Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)
4. Select **AV** input source with using the **INPUT** button on the remote control.



NOTE

- If both S-VIDEO and VIDEO sockets have been connected to the S-VHS VCR simultaneously, only the S-VIDEO can be received.

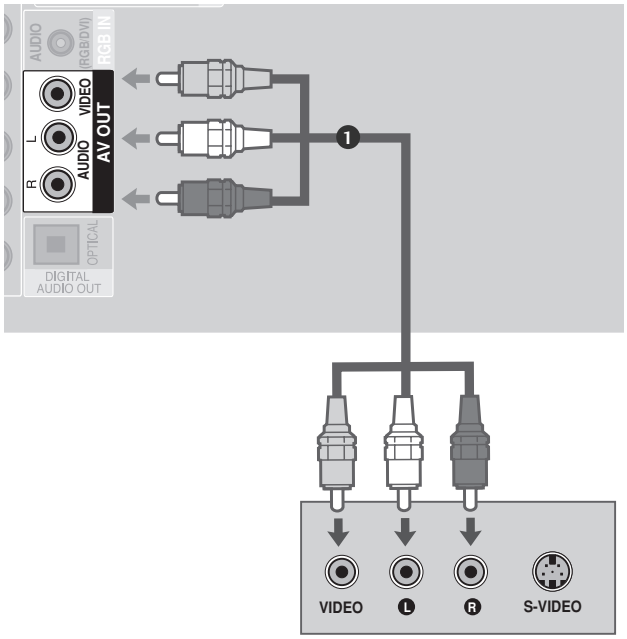
AV OUTPUT SETUP

The TV has a special signal output capability which allows you to hook up the second TV or monitor.

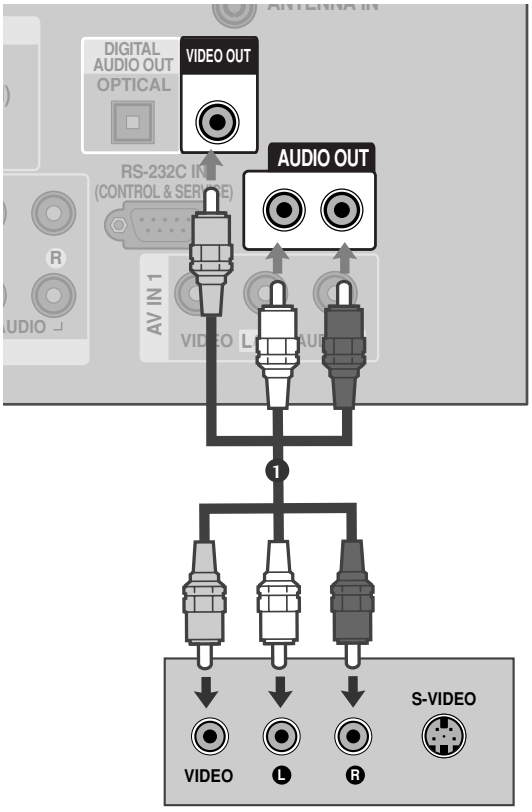
1. Connect the second TV or monitor to the TV's **AV OUT** jacks.
2. See the Operating Manual of the second TV or monitor for further details regarding that device's input settings.

NOTE

- Only Digital, Analogue mode can be used for AV out. Component, RGB, HDMI input sources cannot be used for AV out.
- We recommend to use the AV OUT jacks for VCR recording.



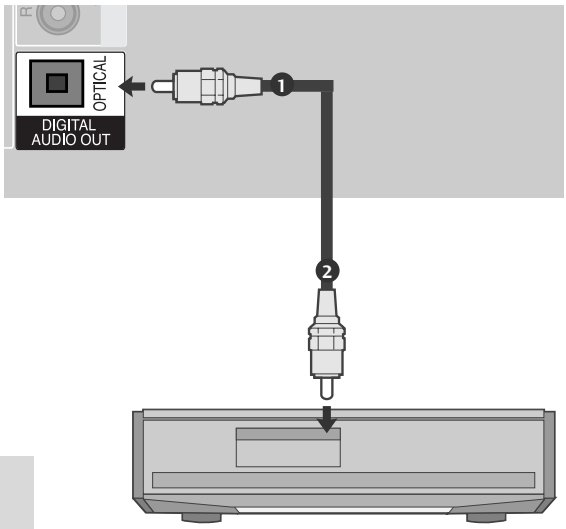
or



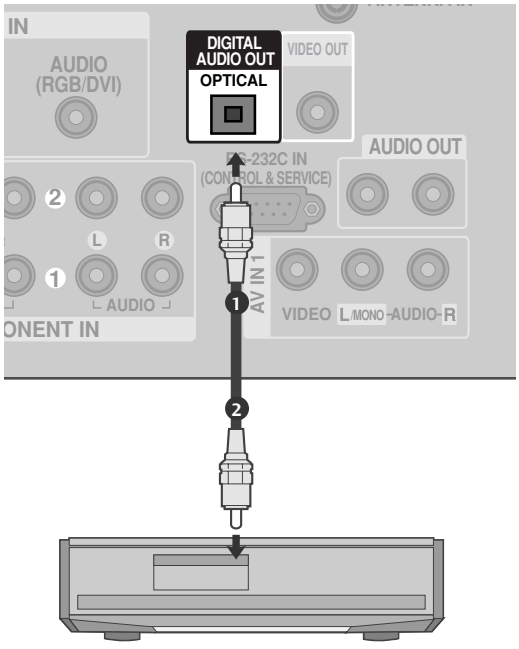
DIGITAL AUDIO OUT SETUP

Sending the TV's audio signal to external audio equipment via the Digital Audio Output (Optical) port.

1. Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.
2. Connect the other end of the optical cable to the digital audio (Optical) input on the audio equipment.
3. Set the "TV Speaker option - Off " in the AUDIO menu.(▶p.84). Refer to the external audio equipment instruction manual for operation.



or



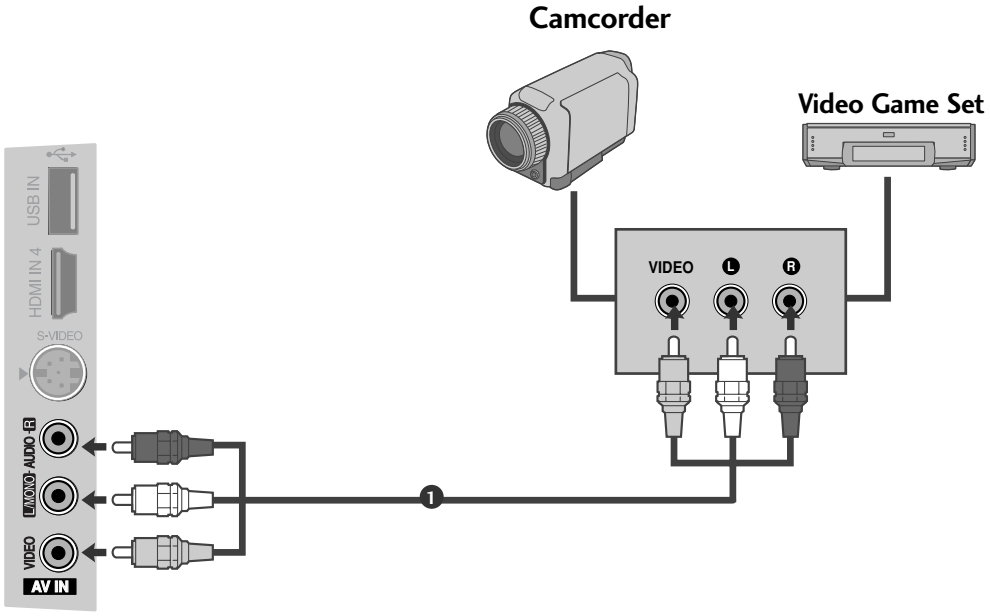
⚠ CAUTION

▶Do not look into the optical output port. Looking at the laser beam may damage your vision.

NOTE

▶ When connecting with external audio equipments, such as amplifiers or speakers, please turn the TV speakers off.

OTHER A/V SOURCE SETUP

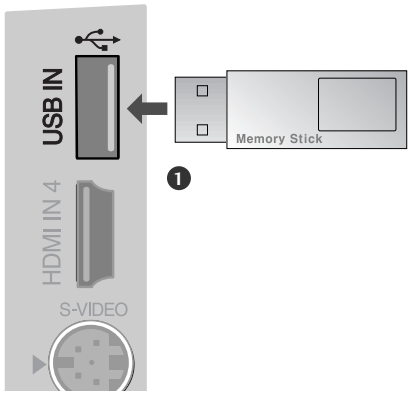


1. Connect the **AUDIO/VIDEO** jacks between TV and external equipment. Match the jack colours . (Video = yellow, Audio Left = white, and Audio Right = red)
2. Select **AV** input source with using the **INPUT** button on the remote control.
3. Operate the corresponding external equipment.
   Refer to external equipment operating guide.

USB IN SETUP

Only 32/42/47/52LG6***, 42/47/52LG7***

1. Connect the USB device to the **USB IN** jacks on the side of TV.
2. After connecting the **USB IN** jacks, you use the **USB** function. (▶ p.55)

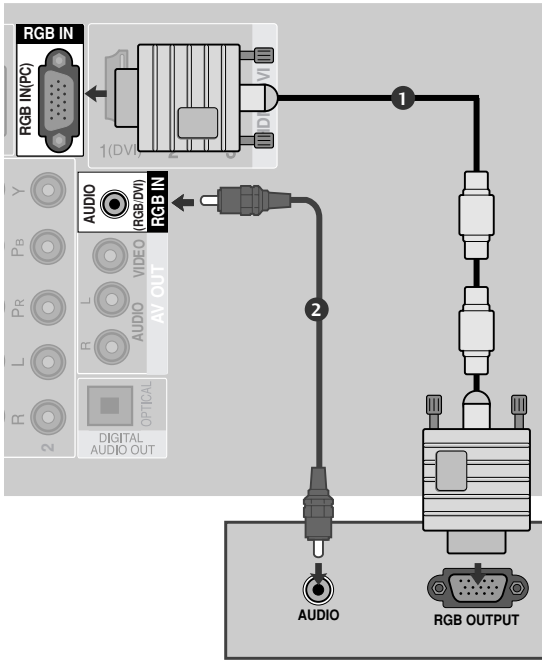


PC SETUP

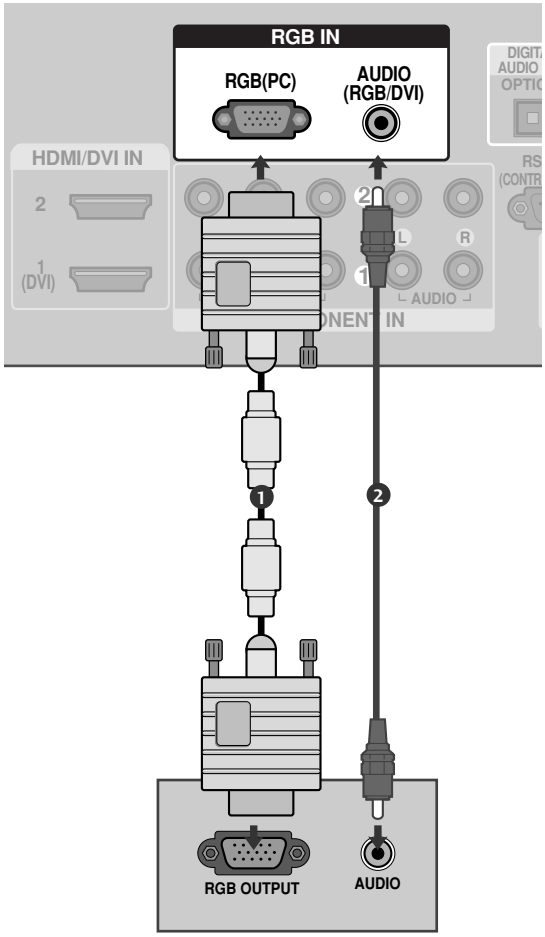
This TV provides Plug and Play capability, meaning that the PC adjusts automatically to the TV's settings.

Connecting with a D-sub 15 pin cable

1. Connect the RGB output of the PC to the **RGB IN (PC)** jack on the TV.
2. Connect the PC audio output to the **AUDIO (RGB/DVI)** jack on the TV.
3. Turn on the PC and the TV
4. Select **RGB** input source using the INPUT button on the remote control.

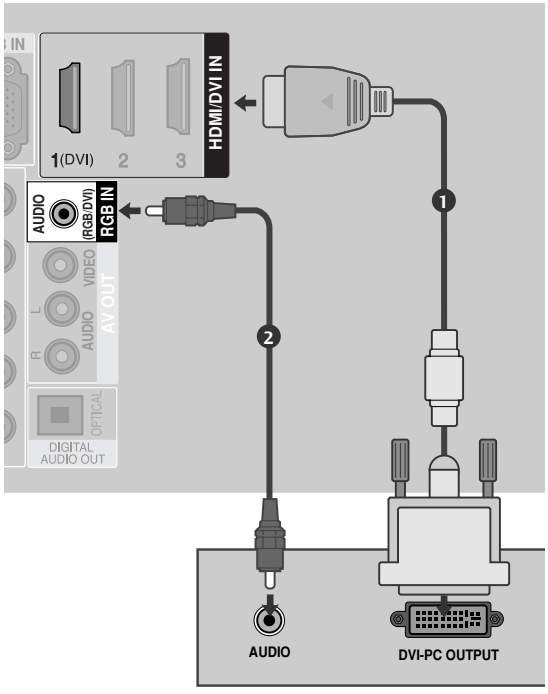


or

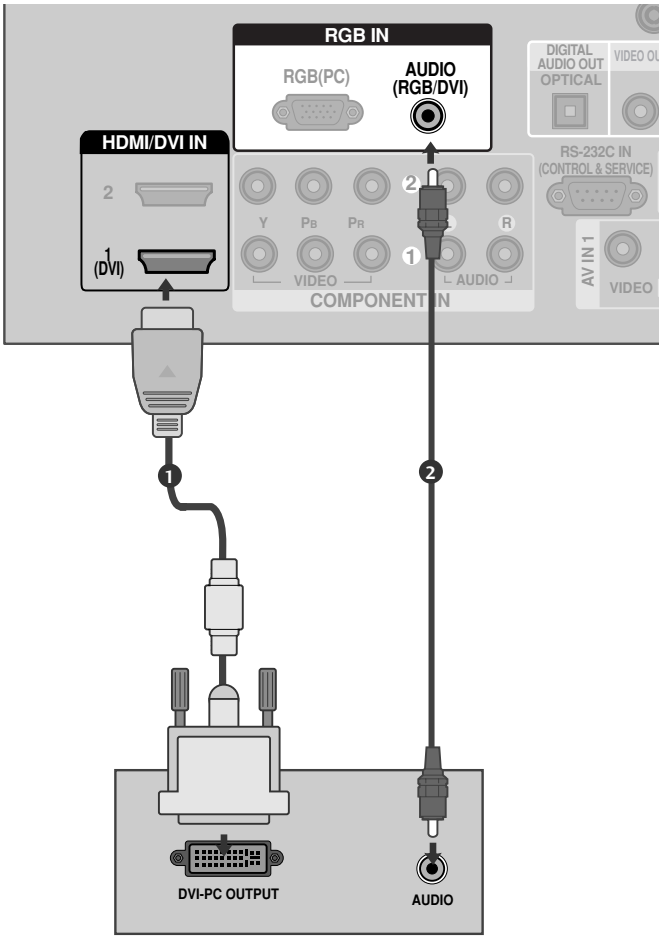


Connecting with a HDMI to DVI cable

1. Connect the DVI output of the PC to the **HDMI/DVI IN1** jack on the TV.
2. Connect the PC audio output to the **AUDIO (RGB/DVI)** jack on the TV.
3. Turn on the PC and the TV.
4. Select **HDMI1** input source using the INPUT button on the remote control.



or



EXTERNAL EQUIPMENT SETUP

Supported Display Resolution

RGB-PC, HDMI-PC mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720x400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.31
1024x768	48.363	60.00
	56.470	70.00
1280x768	47.78	59.87
1360x768	47.72	59.8
1366x768	47.56	59.6
1280x1024	63.595	60.0
1920x1080	66.647	59.988

Only 32LG60F*, 42/47/52LG6***, 32/42/47LG5***, 42/47/52LG7***

NOTE

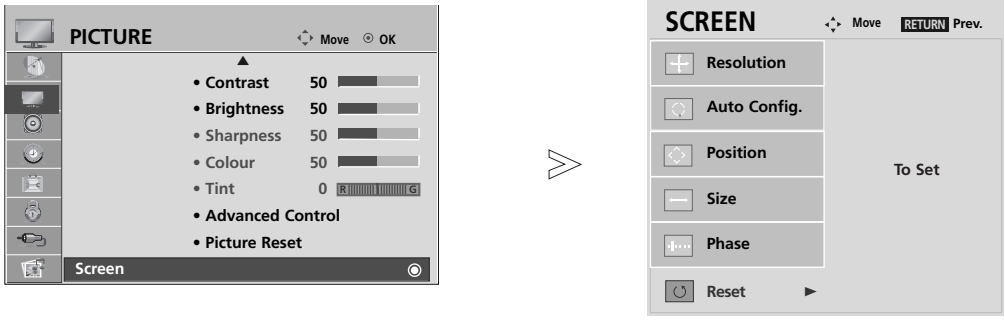
- ► To enjoy vivid picture and sound, connect a PC to the TV.
- ► Avoid keeping a fixed image on the set's screen for prolonged periods of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- ► Connect the PC to the RGB (PC) or HDMI IN (or HDMI/DVI IN) port of the TV; change the resolution.
- ► There may be interference relating to resolution, vertical pattern, contrast or brightness in PC mode. Change the PC mode to another resolution or change the refresh rate to another rate or adjust the brightness and contrast on the menu until the picture is clear. If the refresh rate of the PC graphic card can not be changed, change the PC graphic card or consult the manufacturer of the PC graphic card.
- ► The synchronization input waveform for Horizontal and Vertical frequencies are separate.
- ► Connect the signal cable from the monitor output port of the PC to the RGB (PC) port of the TV or the signal cable from the HDMI output port of the PC to the HDMI IN (or HDMI/DVI IN) port on the TV.
- ► Connect the audio cable from the PC to the Audio input on the TV. (Audio cables are not included with the TV).
- ► If using a sound card, adjust PC sound as required.
- ► This TV uses a VESA Plug and Play Solution. The TV provides EDID data to the PC system with a DDC protocol. The PC adjusts automatically when using this TV.
- ► DDC protocol is preset for RGB (Analogue RGB), HDMI (Digital RGB) mode.
- ► If required, adjust the settings for Plug and Play functionality
- ► If the graphic card on the PC does not output analogue and digital RGB simultaneously, connect only one of either RGB or HDMI IN (or HDMI/DVI IN) to display the PC output on the TV.
- ► If graphic card on the PC does output analogue and digital RGB simultaneously, set the TV to either RGB or HDMI; (the other mode is set to Plug and Play automatically by the TV.)
- ► DOS mode may not work depending on the video card if you use a HDMI to DVI cable.
- ► If you use too long an RGB-PC cable, there may be interference on the screen. We recommend using under 5m of cable. This provides the best picture quality.

Screen Setup for PC mode

Screen Reset

Returns Position, Size and Phase to the factory default settings.

This function works in the following mode : RGB[PC].



1 MENU Select **PICTURE**.

2 OK Select **SCREEN**.

3 OK Select **Reset**.

4 OK Select **Yes**.

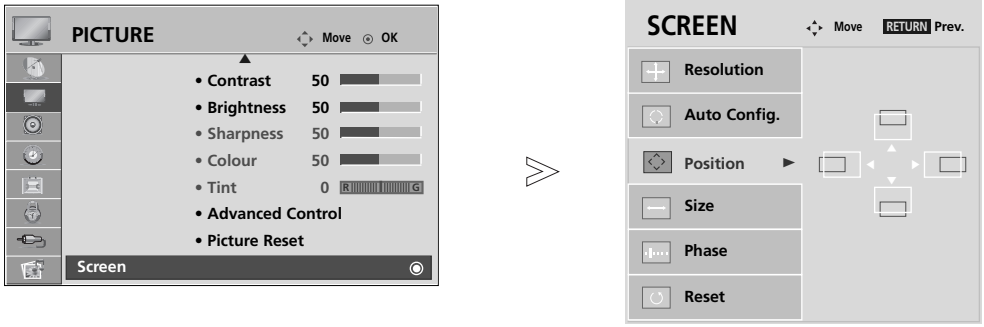
5 OK Run **Reset**.

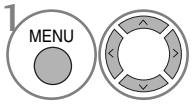
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

Adjustment for screen Position, Size, Phase

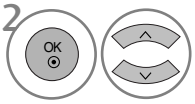
If the picture is not clear after auto adjustment and especially if characters are still trembling, adjust the picture phase manually.

This function works in the following mode : RGB[PC].

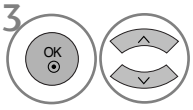




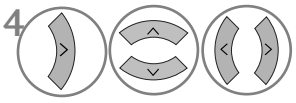
Select **PICTURE**.



Select **SCREEN**.



Select **Position**, **Size** or **Phase**.



Make appropriate adjustments.

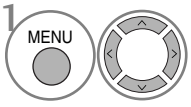
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

Selecting Resolution

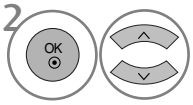
To view a normal picture, match the resolution of RGB mode and selection of PC mode.

This function works in the following mode:
RGB[PC](1024/1280/1360/1366x768, 60Hz)

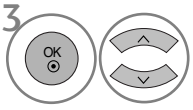




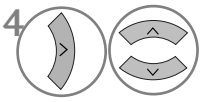
Select **PICTURE**.



Select **SCREEN**.



Select **Resolution**.



Select the desired resolution.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

Auto Configure (RGB [PC] mode only)

Automatically adjusts picture position and minimizes image instability. After adjustment, if the image is still not correct, your TV is functioning properly but needs further adjustment.

Auto configure

This function is for automatic adjustment of the screen position, clock, and phase The displayed image will be unstable for a few seconds while the auto configuration is in progress.



1 MENU — Select **PICTURE**.

2 OK — Select **SCREEN**.

3 OK — Select **Auto Config.**.

4 OK — Select **Yes**.

5 OK — Run **Auto Config.**.

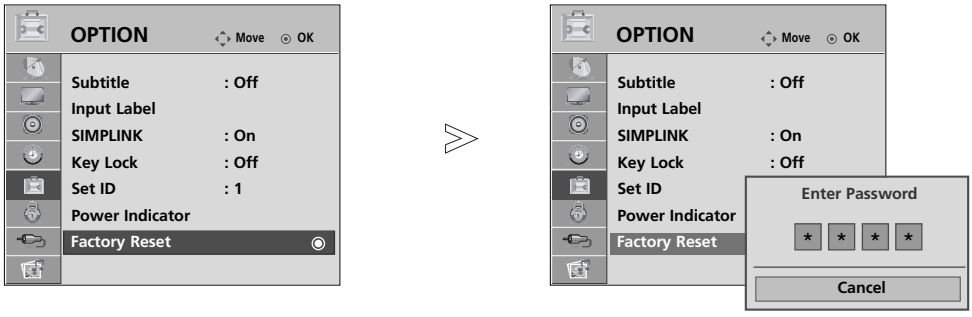
- If the position of the image is still not correct, try Auto adjustment again.
- If picture needs to be adjusted again after Auto adjustment in RGB (PC), you can adjust the **Position**, **Size** or **Phase**.

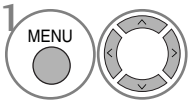
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

Initializing
(Reset to original factory settings)

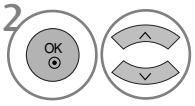
This function operates in current mode.
To initialize the adjusted value.

When the **Lock System** menu is "**On**", the message to enter the password appears.

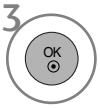




Select **OPTION**.



Select **Factory Reset**.



• In **Lock System** "**On**", if you forget your password, press '7', '7', '7', '7' on the remote control handset.

• Press the **MENU** button to return to normal TV viewing.

• Press the **RETURN** button to move to the previous menu screen.

WATCHING TV / PROGRAMME CONTROL

REMOTE CONTROL KEY FUNCTIONS

When using the remote control, aim it at the remote control sensor on the TV.



1

MODE Selects the remote operating modes.

POWER Switches the TV on from standby or off to standby.

INPUT External input mode rotate in regular sequence. Switches the TV on from standby.

TV/RAD Selects Radio, TV and DTV channel.

Q. MENU Select the desired quick menu source.

MENU Selects a menu. Clears all on-screen displays and returns to TV viewing from any menu.

GUIDE Shows programme schedule.

THUMBSTICK (Up/Down/Left Right) Allows you to navigate the on-screen menus and adjust the system settings to your preference.

OK Accepts your selection or displays the current mode.

RETURN(EXIT) Allows the user to move return one step in an interactive application, EPG or other user interaction function.

INFO ⓘ Shows the present screen information.

AV MODE It helps you select and set images and sounds when connecting AV devices.

Coloured buttons These buttons are used for teletext (on **TELETEXT** models only) , **Programme edit**.

2

TELETEXT BUTTONS These buttons are used for teletext. For further details, see the 'Teletext' section.

SUBTITLE Recalls your preferred subtitle in digital mode.

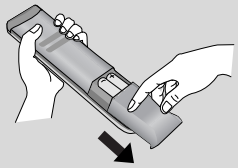
SIMPLINK See a list of AV devices connected to TV. When you toggle this button, the Simplink menu appears at the screen.



VOLUME UP /DOWN	Adjusts the volume.
MARK	Check and un-check programmes in the USB menu.
FAV	Displays the selected favourite programme.
MUTE	Switches the sound on or off.
Programme UP/DOWN	Selects a programme.
PAGE UP/DOWN	Move from one full set of screen information to the next one.
0~9 number button	Selects a programme. Selects numbered items in a menu.
LIST	Displays the programme table.
Q.VIEW	Returns to the previously viewed programme.

SIMPLINK / USB Menu control buttons	Controls SIMPLINK or USB menu(Photo List and Music List).

Installing Batteries



- Open the battery compartment cover on the back and install the batteries matching correct polarity (+with +,-with -).
- Install two 1.5V AAA batteries. Do not mix old or used batteries with new ones.
- Close cover.

WATCHING TV / PROGRAMME CONTROL

TURNING ON THE TV

- **When your TV is turned on, you will be able to use its features.**

1. Firstly, connect the power cord correctly.
   At this stage, the TV switches to standby mode.

2. In standby mode to turn TV on, press the ⏻ / **I**, **INPUT** or **P** ▲ or ▼(or **P** ^ v)button on the TV or press the **POWER**, **INPUT**, **P** ^ v or **NUMBER** button on the remote control and the TV will switch on.

Initializing setup

If the OSD (On Screen Display) is displayed on the screen after turning on the TV, you can adjust the **Select Mode**, **Time Zone**, **Auto programme tuning**.

Note:

a. It will automatically disappear after approx. 40 seconds unless a button is pressed.
b. Press the RETURN button to change the current OSD to the previous OSD.
c. For those countries without confirmed DTV broadcasting standards, some DTV features might not work, depending on the DTV broadcasting environment.
d. "Home" mode is the optimal setting for home environments, and is the TV's default mode.
*e. "In-Store" mode is the optimal setting for store environments. If a user modifies image quality data, "In-Store" mode initializes the product to the image quality set by us after a certain period of time. (Only 26/32/37LG3***, 32/42/47LG5***, 32LG6***, 42/47LG60**)*
*f. "In-Store" mode is an optimal setting for a display at stores. "In-Store" mode initializes the product to the image quality set and operates TruMotion Demo after a certain period of time. When used at home, select "Home" mode.(Only 42/47LG61**, 47/52LG65**, 42/47/52LG7***)*
g. The mode (Home, In-Store) can be changed by executing Factory Reset in the OPTION menu.

PROGRAMME SELECTION

1. Press the **P** ^ v or **NUMBER** buttons to select a programme number.

VOLUME ADJUSTMENT

1. Press the ◿ **+** or **-** button to adjust the volume.

   If you wish to switch the sound off, press the MUTE button.

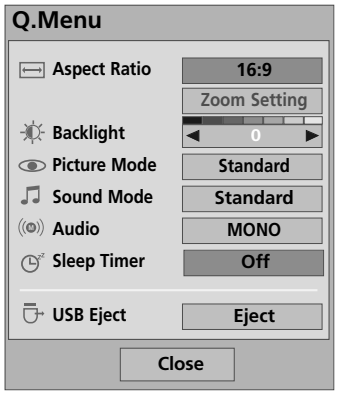
   You can cancel this function by pressing the **MUTE**, ◿ **+** or **-** button.

QUICK MENU

Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
Q.Menu (Quick Menu) is a menu of features which users might use frequently.

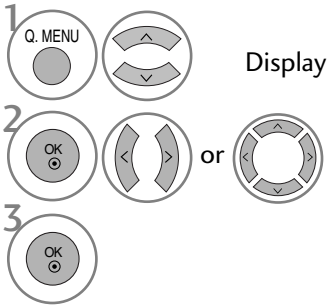
- **Aspect Ratio**: Selects your desired picture format. For Zoom Setting, select 14:9, Zoom1 and Zoom2 in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.
- **Backlight**: Adjusts screen brightness. It returns to the default settings brightness by changing mode source.
- **Picture Mode** : Selects your desired Picture Mode.
- **Sound Mode** : It is a feature to automatically set the sound combination which it deems the best for the images being watched. Selects your desired Sound Mode.
- **Audio** : Selects the sound output.
- **Sleep Timer** : Sets the sleep timer.
- **USB Eject** : Select "USB Eject" in order to eject USB device. (Only 32/42/47/52LG6***, 42/47/52LG7***)

Only 32/42/47/52LG6***, 42/47/52LG7***



Only 26/32/37/42LG3***, 32/42/47LG5***





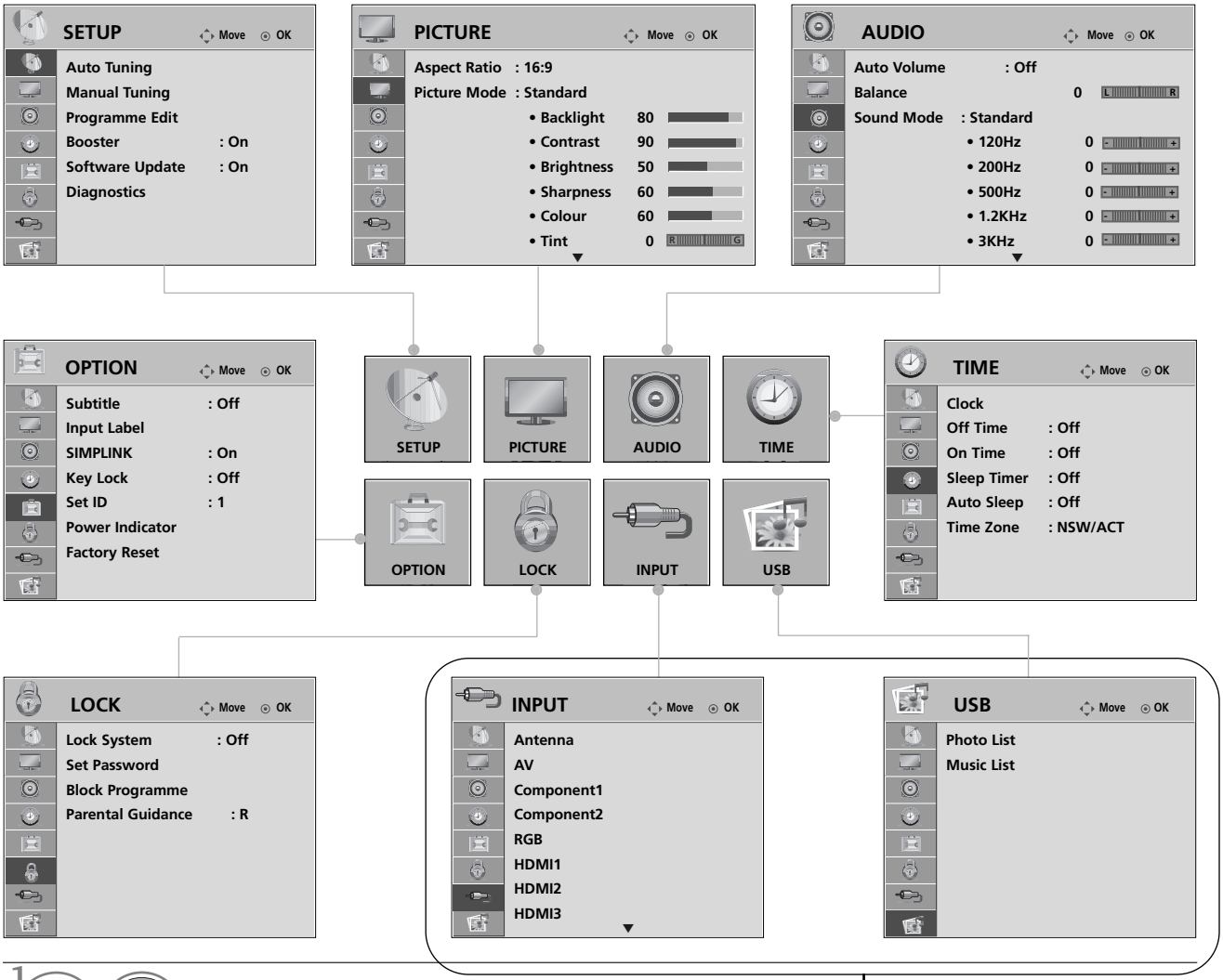
Display each menu.

Select your desired Source.

- Press the **Q.MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

ON SCREEN MENUS SELECTION AND ADJUSTMENT

Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.
The OSD mainly use pictures for the 42LG60 model.**



Only 32/42/47/52LG6***, 42/47/52LG7***

1 MENU — Display each menu.

2 OK — Select a menu item.

3 OK — Move to the pop up menu.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

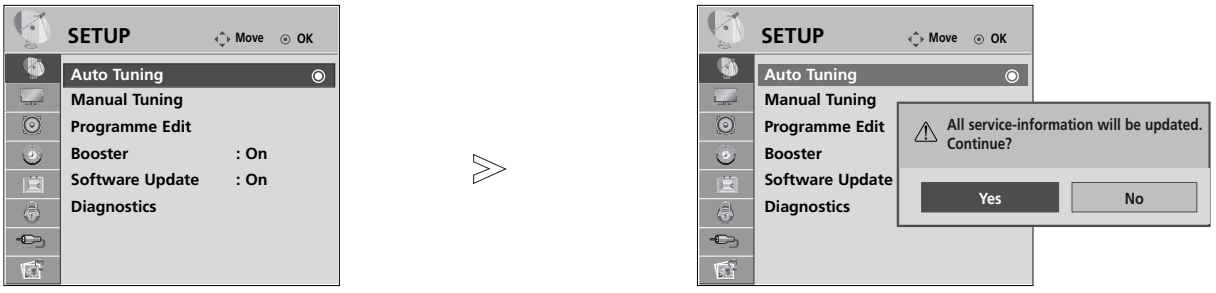
NOTE

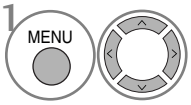
- ▶ It is possible to use **TruMotion**, **TruMotion Demo** in **42/47LG61****, **47/52LG65****, **42/47/52LG7***** models only.
- ▶ It is not possible to use **Booster** in Analogue mode.
- ▶ It is not possible to use INPUT and USB menu in **26/32/37/42LG3***, 32/42/47LG5*** models.

AUTO PROGRAMME TUNING

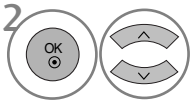
Use this to automatically find and store all available programmes.

When you start auto programming, all previously stored service information will be deleted.

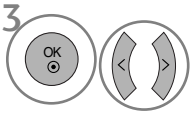




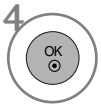
Select **SETUP**.



Select **Auto Tuning**.



Select **Yes**.



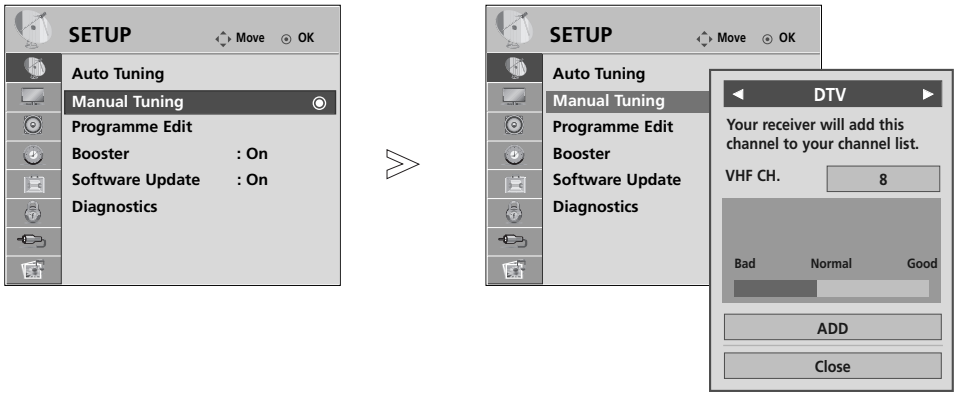
Run **Auto tuning**.

- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.
- If you wish to keep on auto tuning select **YES** using the < > button. Then, press the **OK** button. Otherwise select **NO**.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

MANUAL PROGRAMME TUNING (IN DIGITAL MODE)

Manual Tuning lets you manually add a programme to your programme list.



1 MENU

Select **SETUP**.

2 OK

Select **Manual Tuning**.

3 OK

Select **DTV**.

4

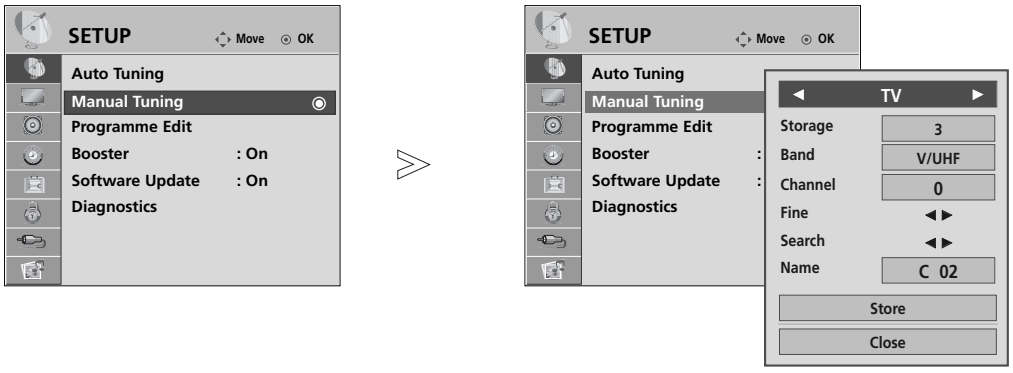
Select the desired channel number.

- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

MANUAL PROGRAMME TUNING (IN ANALOGUE MODE)

Manual Tuning lets you manually tune and arrange the stations in whatever order you desire.



1 MENU Select **SETUP**.

2 OK Select **Manual Tuning**.

3 OK Select **TV**.

4 or Select the desired programme number on.

5 Select **V/UHF** or **Cable**.

6 or Select the desired channel number.

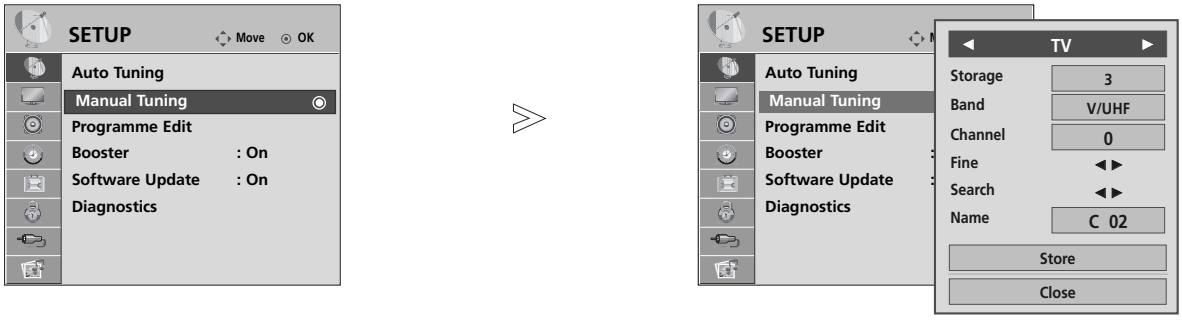
7 Commence searching.

8 OK Select **Store**.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.
- To store another channel, repeat steps 4 to 9.

WATCHING TV / PROGRAMME CONTROL



■ Assigning a station name

You can assign a station name with five characters to each programme number.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV**.

4 Select **Name**.

5 Select the position and make your choice of the second character, and so on.
You can use an the alphabet **A** to **Z**, the number **0** to **9**, +/ -, and blank.

6 Select **Close**

7 Select **Store**

■ Fine Tuning

Normally fine tuning is only necessary if reception is poor.

1 Select **SETUP**.

2 Select **Manual Tuning**.

3 Select **TV**.

4 Select **Fine**.

5 Fine tune for the best picture and sound.

6 Select **Store**

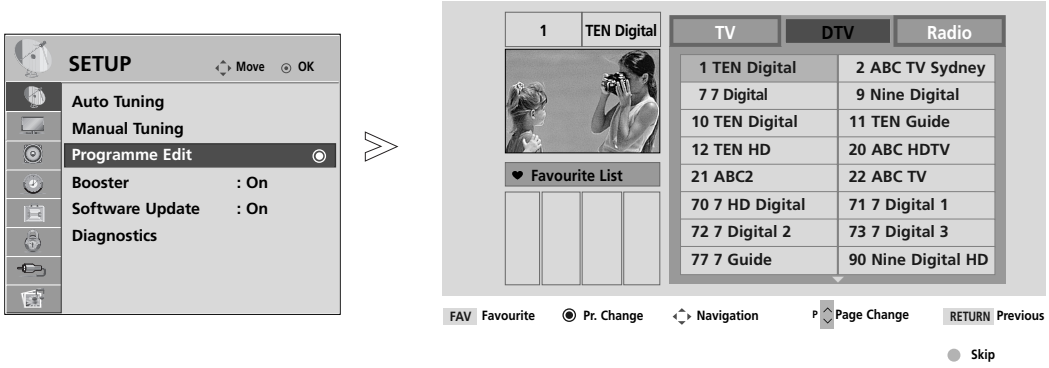
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

PROGRAMME EDIT

When a programme number is skipped, it means that you will be unable to select it using **P** ∧ ∨ button during TV viewing.

If you wish to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the Programme edit menu.

This function enables you to skip the stored programmes.



1 MENU

Select **SETUP**.

2 OK

Select **Programme Edit**.

3 OK

Enter the **Programme Edit**.

4

Select a programme to be stored or skipped.

- Use NUMBER buttons to input a 4-digit password in **Lock System** '**On**'.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

(IN DTV/RADIO MODE)

■ Skipping a programme number



Select a programme number to be skipped.

2 BLUE

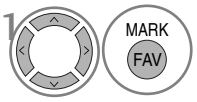
Turn the skipped programme number to blue.

3 BLUE 1

Release the skipped programme.

- When programmes are to be skipped, skipped programme shows in blue and these programmes will not be selected by the **P** ∧ ∨ buttons during TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

■ Selecting favourite programme

1 

Select your favourite programme number.

- This will automatically include the selected programme into your favourite programme list.

(IN TV MODE)

This function enables you to delete or skip the stored programmes.
You can also move some channels and use other programme numbers.

■ Deleting a programme

1 Select a programme number to be deleted.

2 RED Turn the deleted programme number to red.

3 RED Release the deleted programme.

- The selected programme is deleted, all the following programmes are shifted up one

■ Moving a programme

1 Select a programme number to be moved.

2 YELLOW Turn the moved programme number to YELLOW.

3 YELLOW Release the moved programme.

■ Skipping a programme number

1 Select a programme number to be skipped.

2 BLUE Turn the skipped programme number to blue.

3 BLUE Release the skipped programme.

- When a programme number is skipped it means that you will be unable to select it using the P ∧ ∨ button during normal TV viewing.
- If you wish to select a skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or EPG.

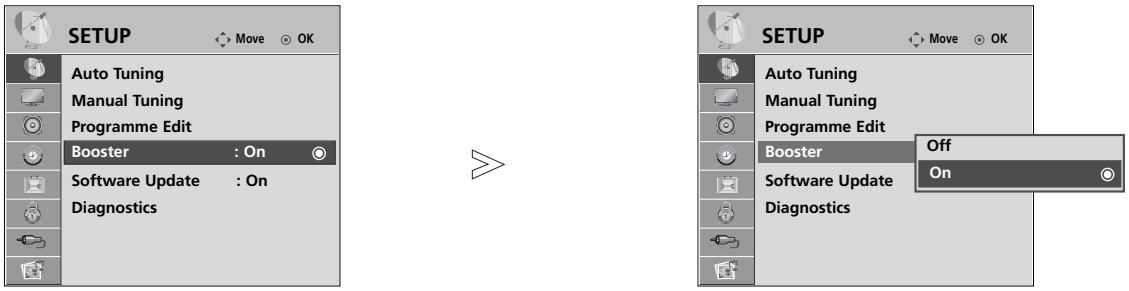
■ Selecting a Favourite Programme

1 MARK FAV Select your favourite programme number.

- The selected programme will be added to the favourite programme list.

BOOSTER (IN DIGITAL MODE)

If reception is poor select Booster to On.
When the signal is strong, select "Off".



1 MENU Select **SETUP**.

2 OK Select **Booster**.

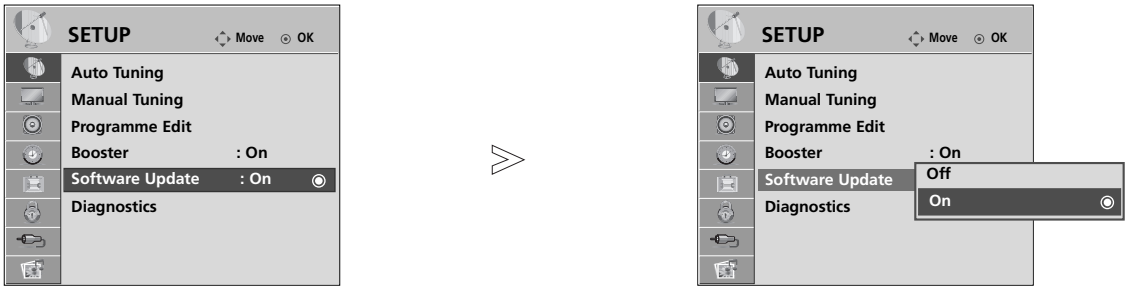
3 OK Select **On** or **Off**.

4 OK Save.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

SOFTWARE UPDATE

Software Update means software can be downloaded through the digital terrestrial broadcasting system.



1 MENU — Select **SETUP**.

2 OK — Select **Software Update**.

3 OK — Select **On** or **Off**.
- If you select **On**, a user confirm message box will be displayed to notify that new software is found.

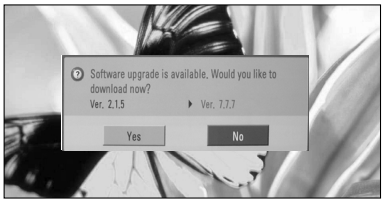
4 OK — Save.

* When setting "Software Update"

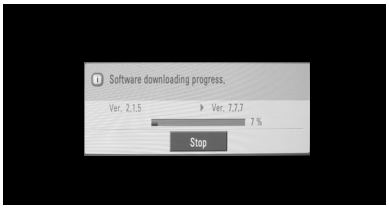
Occasionally, a transmission of updated digital software information will result in the following menu on the TV screen.

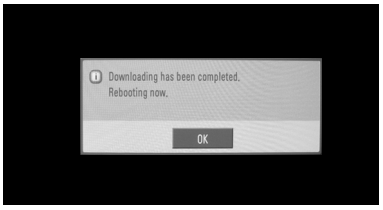
Select the **YES** using the < > button and you will see the following picture.

After the Software Update is complete, the System restarts.



When the Software Update menu is "**Off**", the message to change it to "**On**" appears.





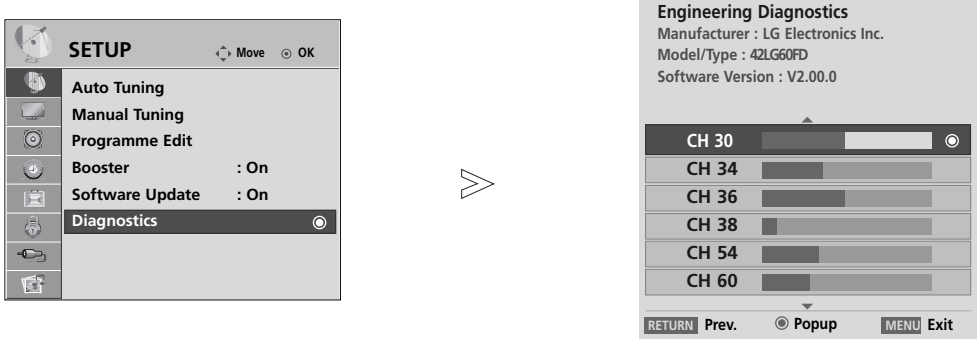
When the power is turned off, downloading starts.
When the power is turned on while updating, the progress status is displayed.

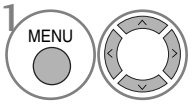
- During Progress of a Software Update, please note the following:
- Power to the TV must not be interrupted.
- The TV must not be switched off.
- The antenna must not be disconnected.
- After Software Update, you can confirm the updated software version in Diagnostics menu.

DIAGNOSTICS

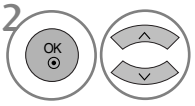
This function enables you to view information on the Manufacturer, Model/Type and Software Version.

This displays the information and signal strength of the tuned MUX.
This displays the signal information and service name of the selected MUX.





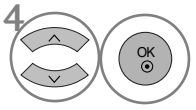
Select **SETUP**.



Select **Diagnostics**.



Display Manufacturer, Model/Type and Software Version.



Display the information of Channel.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

SELECTING THE PROGRAMME TABLE

You can check which programmes are stored in the memory by displaying the programme table

Mini Glossary

Displayed when the Locked Programme.



■ Displaying programme LIST

1 LIST — Display the **PROGRAMME LIST.**

- You may find some blue programmes. These have been set up to be skipped by auto programming or in the programme edit mode.
- Some programmes with the channel number shown in the programme LIST indicate there is no station name assigned.

■ Selecting a programme in the programme list

1 — Select a programme.

2 OK — Switch to the chosen programme number.

TV/RAD — From the programme you are currently watching, the mode will change from TV to DTV to Radio.

■ Paging through a programme list

1 P PAGE — Turn the pages.

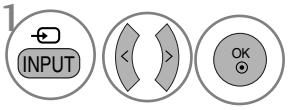
2 LIST — Return to normal TV viewing.

■ Displaying the favourite programme table

1 MARK FAV — Display the Favourite Programme table.

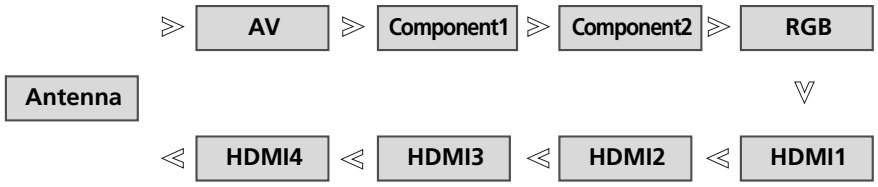
INPUT LIST

HDMI and AV can be recognized by a detect pin and thus enabled only when an external device approves voltage.
By using **TV/RAD** button, you can move from External Input to RF Input and to the last watched programme in DTV/RADIO/TV mode.

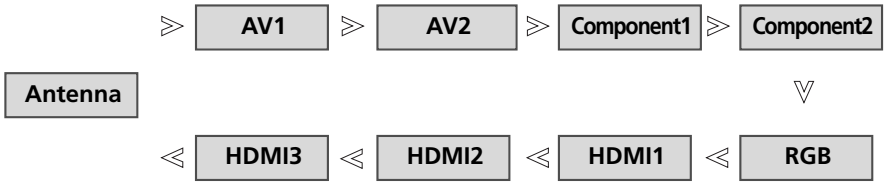


Select the input source.

Only 32/42/47/52LG6***

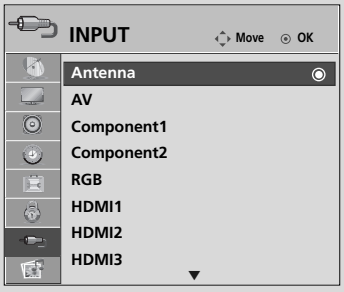


Only 26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***

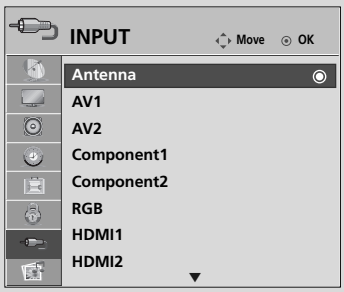


• You can also adjust **INPUT** menu.

Only 32/42/47/52LG6***



Only 42/47/52LG7***



- **Antenna** : Select it when watching the DTV/TV.
- **AV** : Select it when watching the VCR or external equipment.
- **Component** : Select it when using the DVD or the Digital set-top box depends on connector.
- **RGB** :Select it when using PC depends on connector.
- **HDMI** : Select it when using DVD, PC or Digital set-top box depend on connector.

SIMPLINK

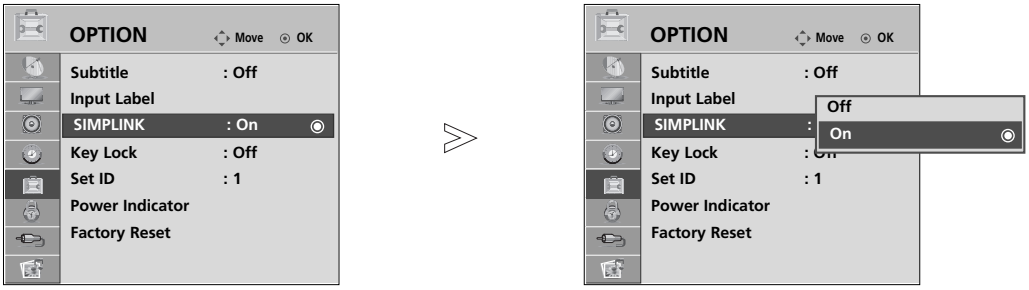
This function operates only with devices with the SIMPLINK logo.
Please check the SIMPLINK logo.

The product might not function properly when using it with other products with HDMI-CEC function.

This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

If you do not want SIMPLINK menu, select "Off".

SIMPLINK function is not supported by HDMI IN 3(only 26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***) **and HDMI IN 4(**only 32/42/47/52LG6***) **input.**



1 MENU Select **OPTION**.

2 OK Select **SIMPLINK**.

3 OK Select **On** or **Off**.

4 OK Save.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

NOTE

- ▶ Connect the HDMI/DVI IN or HDMI IN terminal of the TV to the rear terminal (HDMI terminal) of the SIMPLINK device with the HDMI cable.
- ▶ After connecting the HDMI terminal for the home theatre with the SIMPLINK function using the above method, connect the DIGITAL AUDIO OUT terminal on the back of the TV to the DIGITAL AUDIO IN terminal on the back of the SIMPLINK device with the OPTICAL cable.
- ▶ When operating an external device with SIMPLINK, press the TV button from the MODE buttons on the remote control.
- ▶ When you switch the Input source using the INPUT button on the remote control, you can stop the operation of a device controlled by SIMPLINK
- ▶ When you select or operate a media device with home theatre function, the speaker automatically switches to home theatre speaker (HT speaker).

WATCHING TV / PROGRAMME CONTROL

SIMPLINK Functions

Disc playback
Control connected AV devices by pressing the ∧ ∨ < > , OK, ▶, ■, II, ◀◀ and ▶▶ buttons.
(The ● button does not provide such functions.)

Direct Play
After connecting AV devices to the TV, you can directly control the devices and play media without additional settings.

Select AV device
Enables you to select one of the AV devices connected to the TV and operate it.

Power off all devices
When you switch off the TV, all connected devices are turned off.

Switch audio-out
Offers an easy way to switch audio-out.

Sync Power on
When you play the connected AV device, TV will automatically turn on.

* A device, which is connected to the TV through a HDMI cable but does not support SIMPLINK, does not provide this function.

SIMPLINK Menu

Press the ∧ ∨ < > button and then **OK** button to select the desired SIMPLINK source.

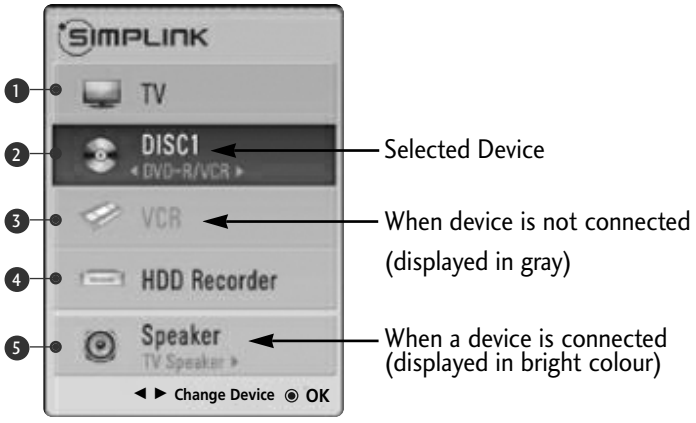
❶ **TV viewing :** Switch to the previous TV programme regardless of the current mode.

❷ **DISC playback :** Select and play connected discs. When multiple discs are available, the titles of discs are conveniently displayed at the bottom of the screen.

❸ **VCR playback :** Play and control the connected VCR.

❹ **HDD Recordings playback :** Play and control recordings stored in HDD.

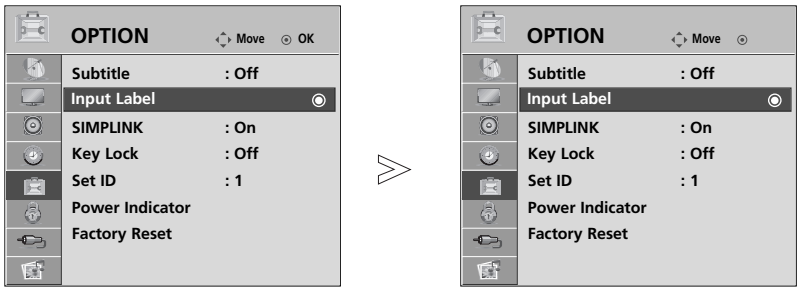
❺ **Audio Out to Home theatre/Audio Out to TV:** Select Home theatre or TV speaker for Audio Out.

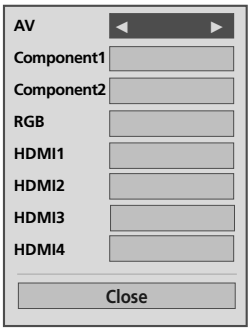


- **Home theatre**: Only one supported at a time
- **DVD, Recorder**: Up to three supported at a time
- **VCR**: Only one supported at a time

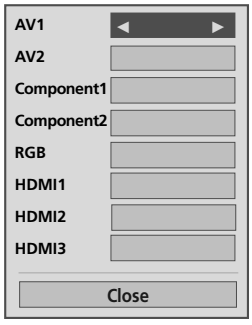
INPUT LABEL

Selects a label for each input source.





Only 32/42/47/52LG6***



Only 26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***

1 MENU

Select **OPTION**.

2 OK

Select **Input Label**.

3 OK

Select the source.

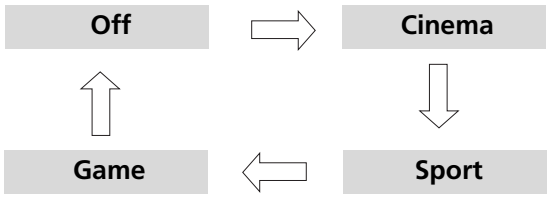
4

Select the label.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

AV MODE

You can select the optimal images and sounds quickly.



1 Press the **AV MODE** button repeatedly to select the desired source.

2

- If you select **Cinema Mode** in **AV mode**, **Cinema** mode will be selected both for **Picture Mode** and **Sound Mode** in **PICTURE** menu and **AUDIO** menu respectively.
- If you select "**Off**" in **AV mode**, the picture and image which you initially set will be selected.

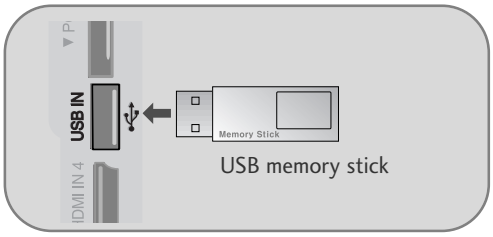
TO USE THE USB DEVICE

This function is not available for all models.

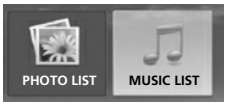
When connecting the USB device

When you connect a USB device, this screen is displayed, automatically.
In USB device, you can not add a new folder or delete the existing folder.

1 Connect the USB device to the **USB IN** jacks on the side of TV.



2 Select **PHOTO LIST** or **MUSIC LIST**



3 OK

- It doesn't support USB HDD
- This TV Supports on JPEG and MP3.

When removing the USB device

Select the USB Eject menu before removing the USB device.

1 Q. MENU Select **USB Eject**.

2 OK

Precautions when using the USB device

- ▶ Only a USB memory stick is recognizable.
- ▶ It does not support Card Reader device.
- ▶ If the USB storage device is connected through a USB hub, the device is not recognizable.
- ▶ A USB storage device using an automatic recognition programme may not be recognized.
- ▶ A USB storage device which uses its own driver may not be recognized.
- ▶ If an unsupported USB device is connected, the device may cause the product to malfunction or down.
- ▶ The recognition speed of a USB storage device may depend on each device.
- ▶ Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.
- ▶ Please do not connect the USB storage device which was artificially maneuvered on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files or image files.
- ▶ Please use only a USB storage device which was formatted as a FAT32 file system provided with the Windows operating system. In case of a storage device formatted as a different utility programme which is not supported by Windows, it may not be recognized.
- ▶ Please connect power to a USB storage device which requires an external power supply. If not, the device may not be recognized.
- ▶ Please connect a USB storage device with cable is offered by USB maker. If connected with cable is not offered by USB maker or an excessively long cable, the device may not be recognized.
- ▶ Some USB storage devices may not be supported or operated smoothly.
- ▶ File alignment method of USB storage device is similar to Window XP and filename can recognize up to 100 English characters.
- ▶ Please back up the important file because a data of USB device may be damaged. Data management is consumer's responsibility and in consequence the manufactures does not cover the product bearing data damage.

TO USE THE USB DEVICE

PHOTO LIST

The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

PHOTO(*.JPEG) supporting file

Baseline: 7680 x 4320

- You can play JPEG files only.
- Only baseline scan is supported among JPEG (SOF0, SOF1 only).

Screen Components

1 MENU Select **USB**.

2 OK OK Select **Photo List**.

❶ Moves to upper level folder
❷ Current page/Total pages
❸ Total number of marked photos
❹ Usable USB memory
❺ Corresponding buttons on the remote control



- Non-supported files are displayed in the form of bitmap.



- Some files may be displayed the preview image by icon only.

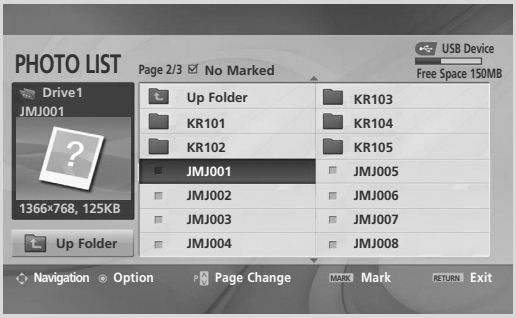
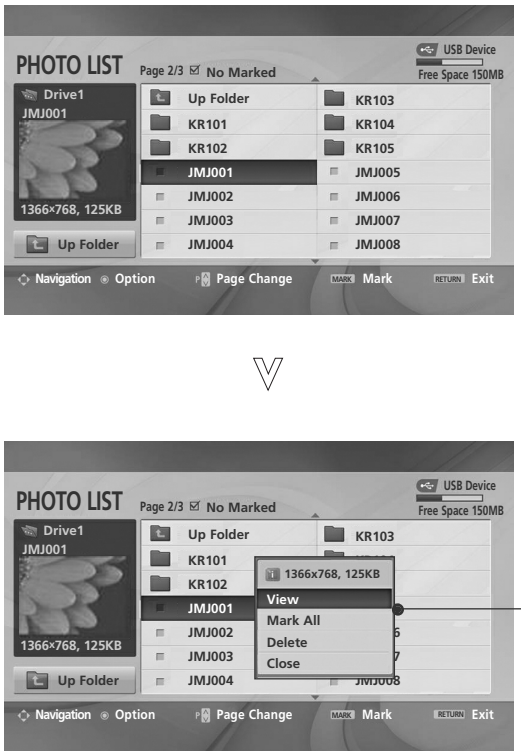


Photo Selection and PopUp Menu



▶ **View** : Display the selected item.
▶ **Mark All** : Mark all photos on the screen.
▶ **Unmark All** : Deselect all marked photos.
▶ **Delete** : Delete the selected photo item.
▶ **Close** : Close the pop-up menu.

1 Select the target folder.

2 Select the desired photos.

3 Show the PopUp menu.

4 Select the desired PopUp menu.

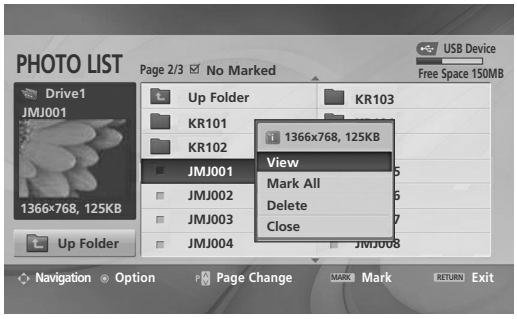
- Use the **P** ∧ ∨ button to navigation in the photo page.
- Use the **MARK** button to mark or unmark a photo. When one or more photos are marked, you can view individual photos or a slide show of the marked photos. If no photos are marked, you can view all photos individually or all photos in the folder in a slide show.

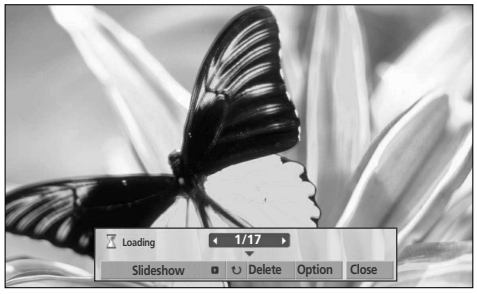
- Press the **RETURN** button to return to normal TV viewing.

Set up the menu in Full-Sized Screen

You can change the settings to display photos stored on a USB device, on a full-sized screen. Detailed operations are available on full-sized photo view screen.







The aspect ratio of a photo may change the size of the photo displayed on the screen in full size.
Press the **RETURN** button to move to the previous menu screen.

---

1 Select the target folder.

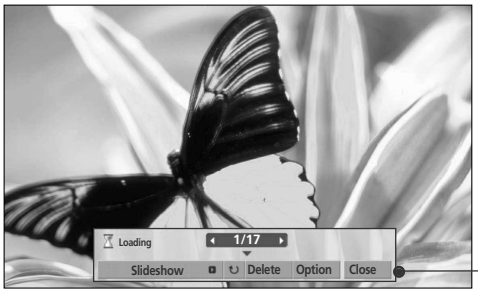
2 Select the desired photos.

3 Show the PopUp menu.

4 Select **View**

5 The selected photo is displayed in full size.

- Use the **P** ∧ ∨ button to navigation in the photo page.



6 Select the **Slideshow** , **(Rotate)**, **Delete**, **Option** or **Close**

- Use ∧ ∨ < > button to select the previous or next photo.
- Use ∧ ∨ < > button to select and control the menu on the full-sized screen.

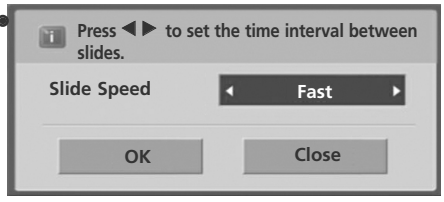
▶ **Slideshow** : When no picture is selected, all photos in the current folder are displayed during slide show. When selected, the selected photos are displayed during slide show.
- Set the time interval of the slide show in **Option**.

▶ **(Rotate)** : Rotate photos.
- Rotates the photo 90° clockwise.

▶ **Delete** : Delete photos.

▶ **Option** : Set values for **Slide Speed**.
- Use < > button and **OK** button to set values. Then go to OK and press **OK** to save the settings.

▶ **Close** : Hide the menu on the full-sized screen.
- To see the menu again on the full-sized screen, press **OK** button to display.



❺

TO USE THE USB DEVICE

MUSIC LIST

Purchased music files(*.MP3) may contain copyright restrictions. Playback of these files may not be supported by this model.

Music file on your USB device can be played by this unit.

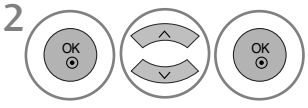
The On Screen Display may be different from your TV. Images are an example to assist with the TV operation.

MUSIC (*.MP3) supporting file
Bit rate 32 ~ 320
- **Sampling rate MPEG1 layer 3: 32 kHz, 44.1 kHz, 48 kHz.**
- **It plays under 100Mb.**

Screen Components



Select **USB**.



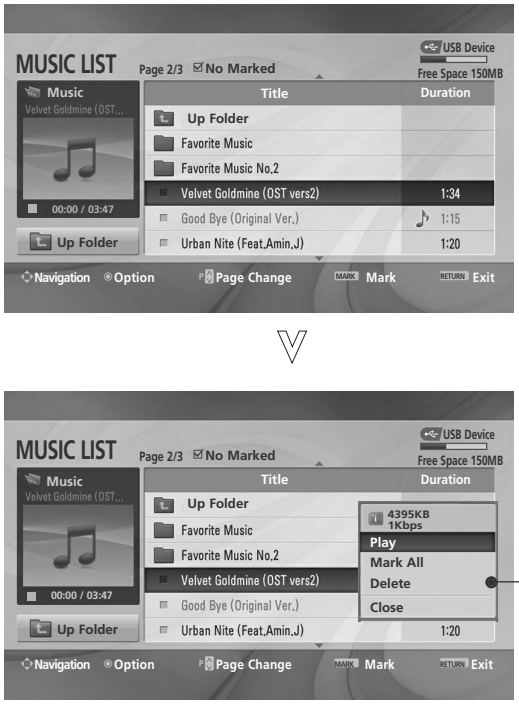
Select **Music List**.

❶ Moves to upper level folder
❷ Current page/Total pages
❸ Total number of marked music titles
❹ Usable USB memory
❺ Corresponding buttons on the remote control



Music Selection and PopUp Menu

As shown , up to 6 music titles are listed per page.



▶ **Play** (During stop) : Play the selected music titles.

Once a music finishes playing, the next selected one will be played. When there are no selected music titles to play, the next one in the current folder will be played. If you go to a different folder and press the **OK** button, the current music in playback will stop.

▶ **Play Marked** : Play the selected music titles. Once a music finishes playing, the next selected one will be played automatically.

▶ **Stop Play** (During playback) : Stop the playing music titles.

▶ **Mark All** : Mark all music titles in the folder.

▶ **Unmark All** : Deselect all marked music titles.

▶ **Delete** : Delete the selected music titles.

▶ **Close** : Close the pop-up menu.

1 Select the target folder.

2 Select the desired music title.

3 Show the PopUp menu.

4 Select the desired PopUp menu.

- Use the **P** ∧ ∨ button to navigation in the music page.
- Use **MARK** button to mark or unmark a music. When one or more music files are marked, the marked music title will be played in sequence. For example, if you want to listen to only one music repeatedly, just mark the music only and play it. If no music is marked, all the music in the folder will be played in sequence.

- Press the **RETURN** button to return to normal TV viewing.

TO USE THE USB DEVICE

■ If you don't press any button for a while during the playing, the play information box (as shown in the below) will float as a screen saver.

■ The 'Screen Saver'?

Screen saver is to prevent screen pixel damage due to an fixed image remaining on the screen for a extended period of time.



NOTE

▶ When music is playing, ♪ is displayed in back of the music title.

▶ A damaged or corrupted music does not play but displays 00:00 in playtime.

▶ A music downloaded from a paid service with copyright protection does not start but displays inappropriate information in playtime.

▶ If you press **OK**, ■ buttons, screen saver is stopped.

▶ The **PLAY(▶)**, **Pause(II)**, ■, ▶▶, ◀◀ buttons on the remote control are also available in this mode.

▶ You can use the ▶▶ button to select the next music and the ◀◀ button to select the previous music.

EPG (ELECTRONIC PROGRAMME GUIDE)(IN DIGITAL MODE)

This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.

The EPG supplies information such as programme listings, start and end times for all available services. In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster).

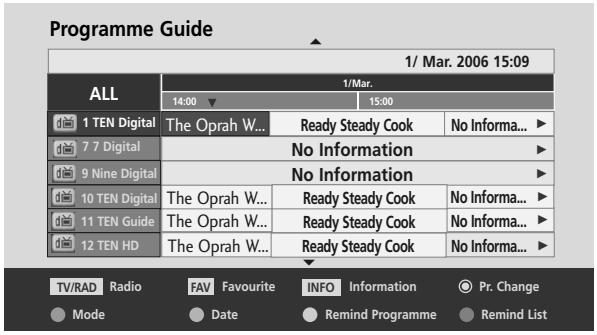
This function can be used only when the EPG information is broadcast by broadcasting companies

The EPG displays the programme details for next 7 days.

Switch on/off EPG



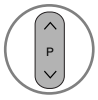
Switch on or off EPG.



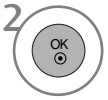
Select a programme



or



Select desired programme.



Display the selected programme.

EPG (ELECTRONIC PROGRAMME GUIDE)(IN DIGITAL MODE)

Button Function in NOW/NEXT Guide Mode



Change EPG mode.



Enter Timer Remind setting mode.



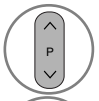
Enter Timer Remind list mode.



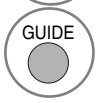
Change to the selected programme.


Select NOW or NEXT Programme.


Select the Broadcast Programme.



Page Up/Down.



or


Switch off EPG.



Select TV or RADIO Programme.



Detail information on or off

Button Function in 7 Day Guide Mode



Change EPG mode.



Enter Date setting mode.



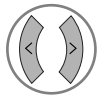
Enter Timer Remind setting mode.



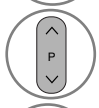
Enter Timer Remind list mode.



Change to the selected programme.


Select NOW or NEXT Programme.


Select the Broadcast Programme.



Page Up/Down.



or


Switch off EPG.



Select TV or RADIO Programme.



Detail information on or off

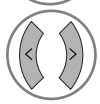
Button Function in Date Change Mode



Switch off Date setting mode.



Change to the selected date.


Select a date.


Switch off Date setting mode.



or


Switch off EPG.

Button Function in Extended Description Box



The detail information on or off.



Text Up/Down.



Enter Timer Remind setting mode.



or



Switch off EPG.

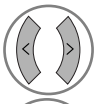
Button Function in Remind Setting Mode



Change to Guide or Timer list mode.



Save Timer Remind.



Select Service, Date or Start time.



Function setting.

Button Function in Remind List Mode



Add new Manual Timer setting mode.



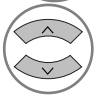
Enter **Remind List** editing mode.



Delete the selected item.



Change to Guide mode.



Select **Remind List**.

PICTURE CONTROL

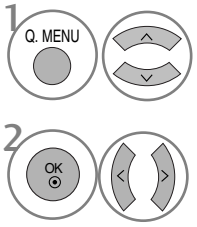
PICTURE SIZE (ASPECT RATIO) CONTROL

You can watch the screen in various picture formats; 16:9, Just Scan, Original, 4:3, 14:9 and Zoom1/2.

If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

You can adjust the enlarge proportion using ^ v button.

This function works in the following signal.



Select **Aspect Ratio**.

Select the desired picture format.

- You can also adjust **Aspect Ratio** in the **PICTURE** menu.
- For Zoom Setting, select **14:9**, **Zoom1** and **Zoom2** in Ratio Menu. After completing Zoom Setting, the display goes back to Q.Menu.

• 16:9

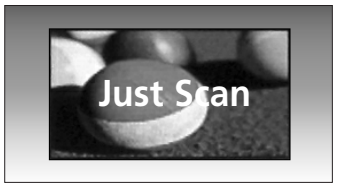
The following selection will allow you to adjust the picture horizontally, in linear proportion, to fill the entire screen(useful for viewing 4:3 formatted DVDs)



• Just Scan

Following Selection will lead to you view the picture of best quality without loss of original picture in high resolution image.

Note : If there is noise in original Picture, You can see the noise at the edge.



• Original

When your TV receives a wide screen signal it will automatically change to the picture format broadcast.



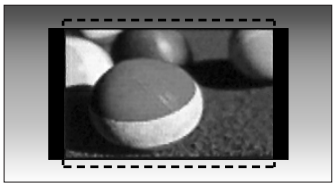
• 4:3

The following selection will allow you to view a picture with an original 4:3 aspect ration, gray bars will appear on both the left and right of the screen.



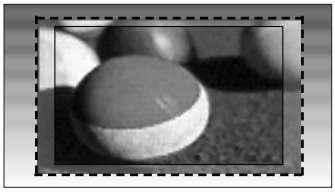
• **14:9**

You can view a picture format of 14:9 or a general TV programme in the 14:9 mode. The 14:9 screen is viewed in the same way as in 4:3, but is magnified to the left and right.



• **Zoom1**

The following selection will allow you to view the picture without any alteration, while filling the entire screen. However, the top and bottom of the picture will be cropped.



• **Zoom2**

Choose Zoom 2 when you wish the picture to be altered, both horizontally extended and vertically cropped. The picture adopting a compromise between alteration and screen coverage.



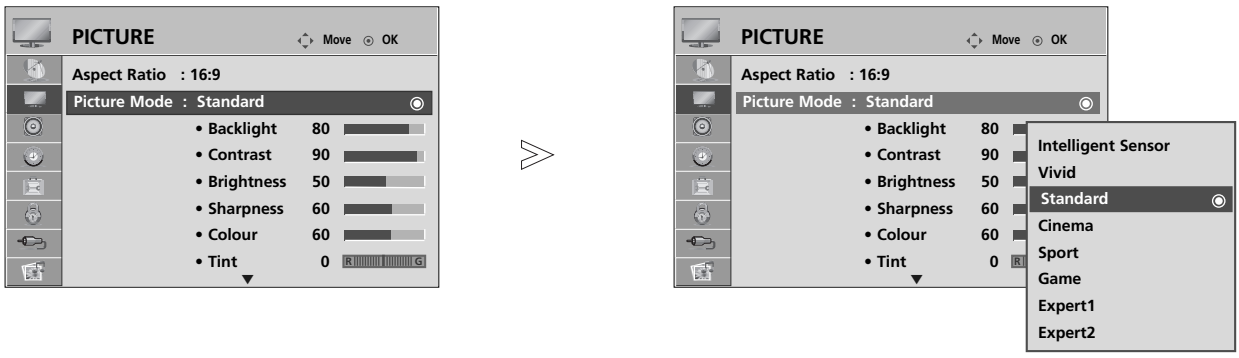
NOTE

- ▶ You can only select **4:3**, **16:9** (Wide), **14:9**, **Zoom 1/2** in Component, HDMI mode.
- ▶ You can only select **4:3**, **16:9** (Wide) in RGB mode only.
- ▶ In HDMI/Component (over 720p) mode, **Just Scan** is available.
- ▶ **Just Scan** function only operates in DTV HD level(576p or above).

PICTURE CONTROL

PRESET PICTURE SETTINGS

Picture Mode-Preset



1 MENU

Select **PICTURE**.

2 OK

Select **Picture Mode**.

3 OK

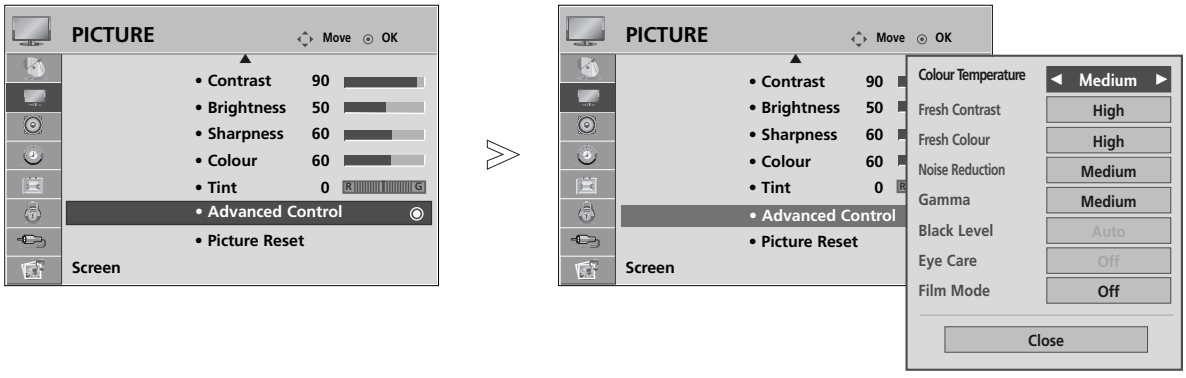
Select **Intelligent Sensor**(except 26/32/37/42LG3***), **Vivid**, **Standard**, **Cinema**, **Sport** or **Game**.

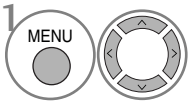
- **Picture Mode** adjusts the TV for the best picture appearance. Select the preset value in the **Picture Mode** menu based on the programme category.
- When the Intelligent sensor function is on, the most suitable picture is automatically adjusted according to the surrounding conditions.
- You can also adjust **Picture Mode** in the **Q. Menu**.
- **Intelligent Sensor** (except 26/32/37/42LG3***) : Adjusts picture according to the surrounding conditions.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

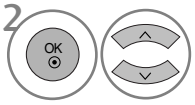
Auto Colour Tone Control (Cool/Medium/Warm)

Choose one of three automatic colour adjustments. Set to warm to enhance hotter colours such as red, or set to cool to see less intense colours with more blue.

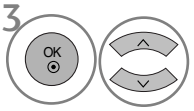




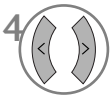
Select **PICTURE**.



Select **Advanced Control**.



Select **Colour Temperature**.



Select either **Cool**, **Medium** or **Warm**.

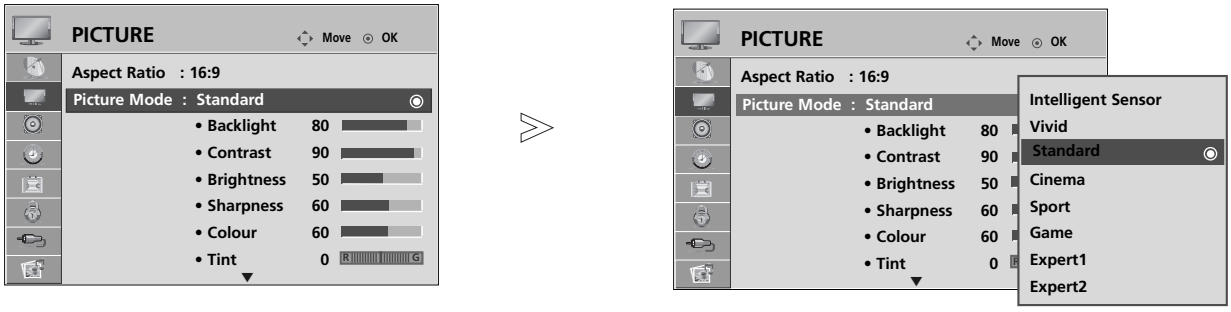
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

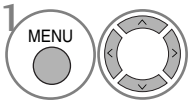
MANUAL PICTURE ADJUSTMENT

Picture Mode-User option

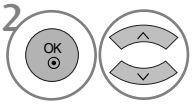
- **Backlight**
  To control the brightness of the screen, adjust the brightness of LCD panel.
- **Contrast**
  Adjusts the difference between light and dark levels in the picture.
- **Brightness**
  Increases or decreases the amount of white in the picture.
- **Sharpness**
  Adjusts the level of crispness in the edges between the light and dark areas of the picture.
  The lower the level, the softer the image.
- **Colour**
  Adjusts intensity of all colours.
- **Tint**
  Adjusts the balance between red and green levels.

It is not available to use this function in "**Intelligent Sensor**".

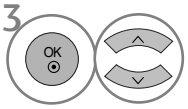




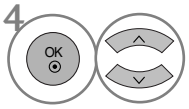
Select **PICTURE**.



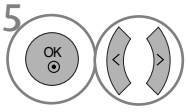
Select **Picture Mode**.



Select **Vivid**, **Standard**, **Cinema**, **Sport** or **Game**.



Select **Backlight**, **Contrast**, **Brightness**, **Sharpness**, **Colour** or **Tint**.



Make appropriate adjustments.

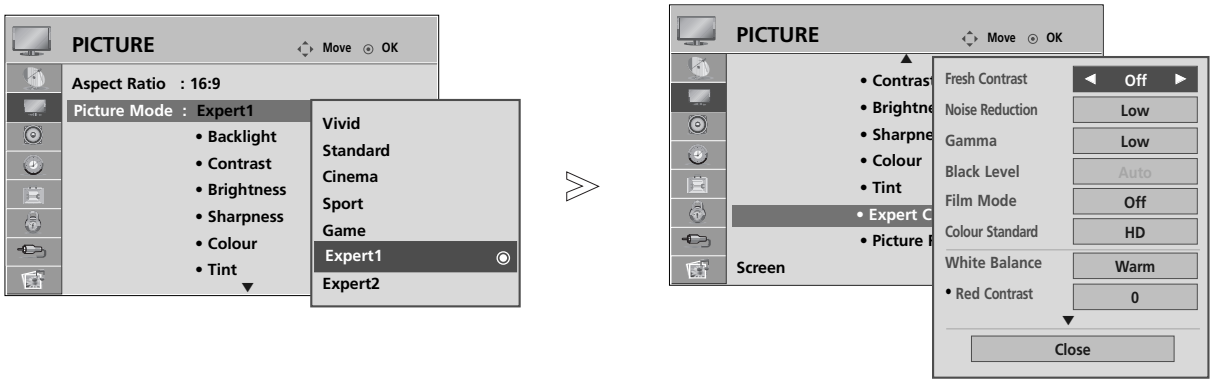
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

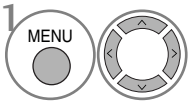
NOTE

► You cannot adjust colour, sharpness and tint in the RGB-PC mode.

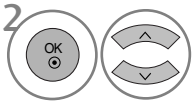
Picture Mode-Expert Control

By segmenting categories, Expert1 and Expert2 provide more categories which users can set as they see fit, offering the optimal picture quality for users.

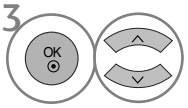




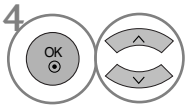
Select **PICTURE**.



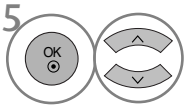
Select **Picture Mode**.



Select **Expert1** or **Expert2**.



Select **Expert Control**.



Select your desired Source.



Make appropriate adjustments.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

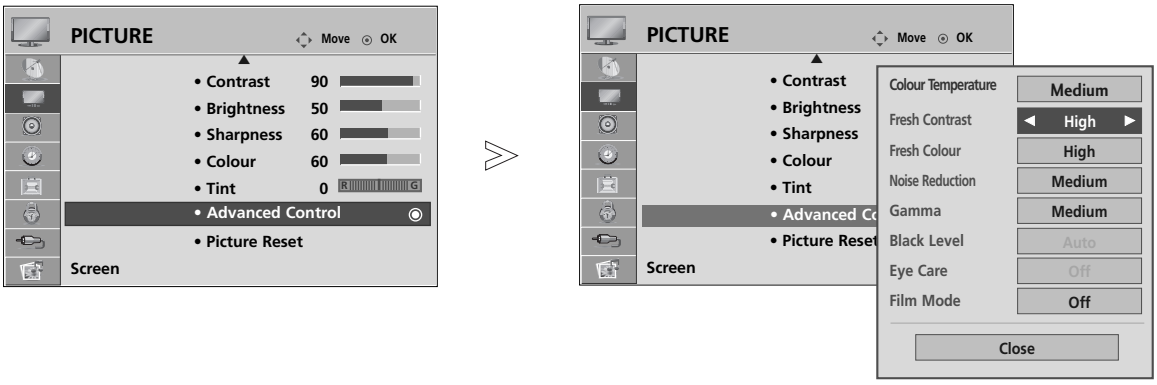
PICTURE IMPROVEMENT TECHNOLOGY

Fresh Contrast
Optimizes the contrast automatically according to the brightness of the reflection.

Fresh Colour
Adjusts the colour of the reflection automatically to reproduce as close as possible natural colours.

Noise Reduction
Removes interference up to the point where it does not damage the original picture.

Gamma.
High gamma values display whitish images and low gamma values display high contrast images.



1 MENU Select **PICTURE**.

2 OK Select **Advanced Control**.

3 OK Select **Fresh Contrast, Fresh Colour, Noise Reduction** or **Gamma**.

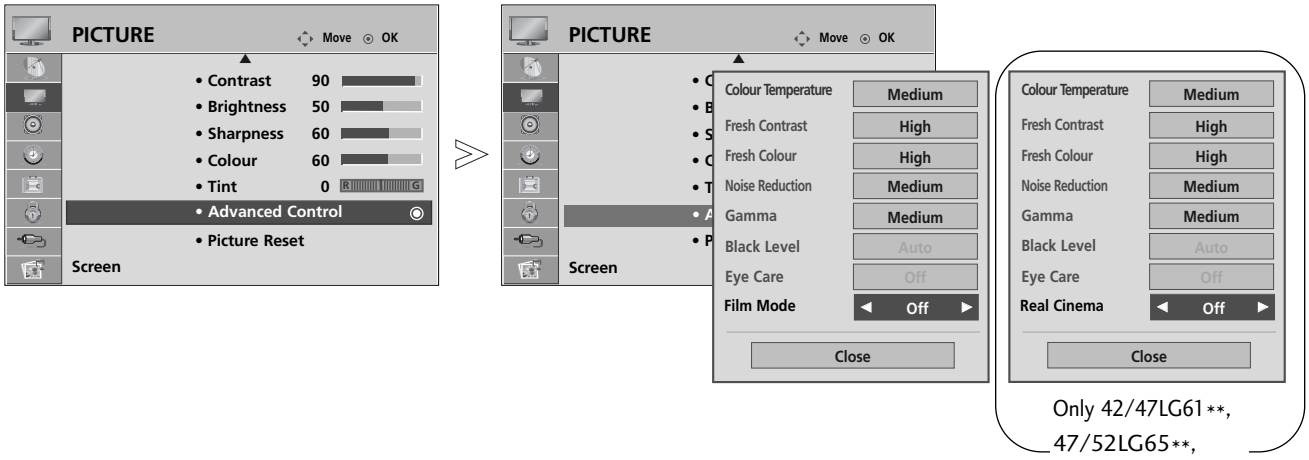
4 Select your desired Source.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

ADVANCED - FILM MODE/REAL CINEMA

To set the TV up for the best picture quality for viewing films.

This feature operates only in TV, AV and Component 480i/576i/1080i mode.(Film Mode only)



1 Select **PICTURE**.

2 Select **Advanced Control**.

3 Select **Film Mode**.(or **Real Cinema**(Only 42/47LG61**, 47/52LG65**, 42/47/52LG7***)).

4 Select **On** or **Off**.

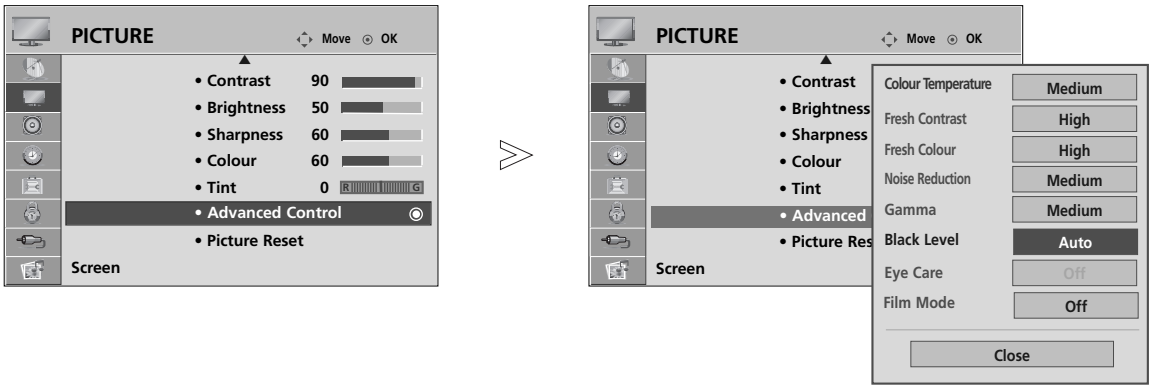
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

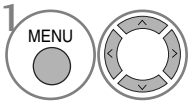
PICTURE CONTROL

ADVANCED - BLACK(DARKNESS) LEVEL

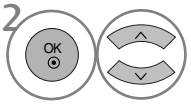
When you view a film this function adjusts the TV to best picture quality.

This function works in the following mode: AV (NTSC-M), HDMI or Component .

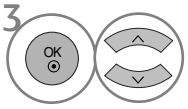




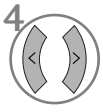
Select **PICTURE**.



Select **Advanced Control**.



Select **Black Level**.



Select **Low** or **High**.

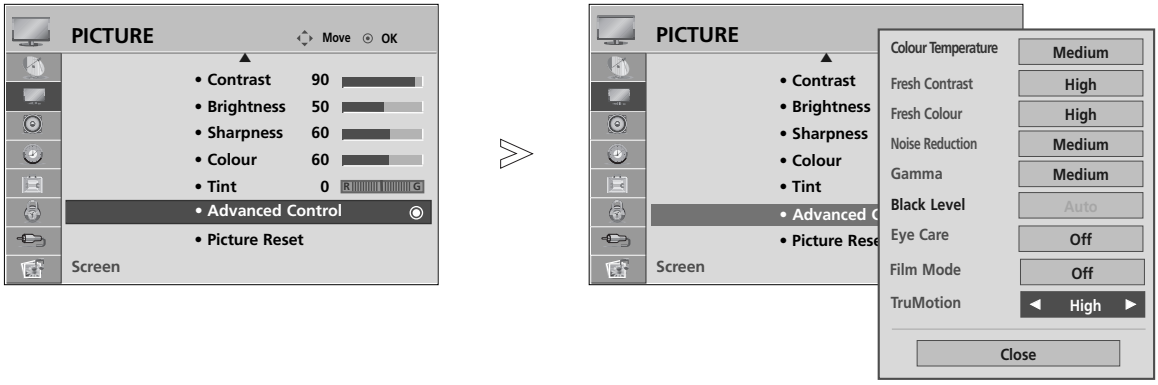
- **Low** : The reflection of the screen gets darker.
- **High** : The reflection of the screen gets brighter.
- **Auto** : Realizing the black level of the screen and set it to High or Low automatically.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

ADVANCED - TRUMOTION

(Only 42/47LG61**, 47/52LG65**, 42/47/52LG7***)

It is used for the best picture quality without any motion blur or judder when you enter a quick image or Film Source.
This feature is disable in RGB-PC,HDMI-PC mode.



1 Select **PICTURE**.

2 Select **Advanced Control**.

3 Select **TruMotion**.

4 Select **Off**, **Low** or **High**.

- High
  Provides smoother picture movement.
- Low
  Provides smooth picture movement. Use this setting for standard use.
- Off
  Use this setting when "High" and "Low" setting result in noise.

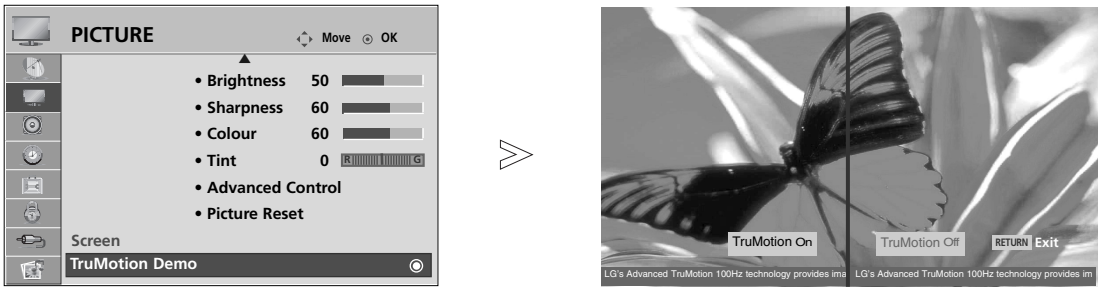
- If you enable "TruMotion", noise may appear on the screen.
- If this occurs, set "TruMotion" to "Off".

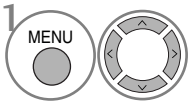
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

TRUMOTION DEMO

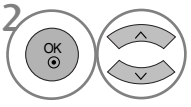
(Only 42/47LG61**, 47/52LG65**, 42/47/52LG7***)

Use it to see the difference between TruMotion Demo on and TruMotion Demo off.
It's not available to use this function in RGB[PC], HDMI[PC] mode.





Select **PICTURE**.



Select **TruMotion Demo.**

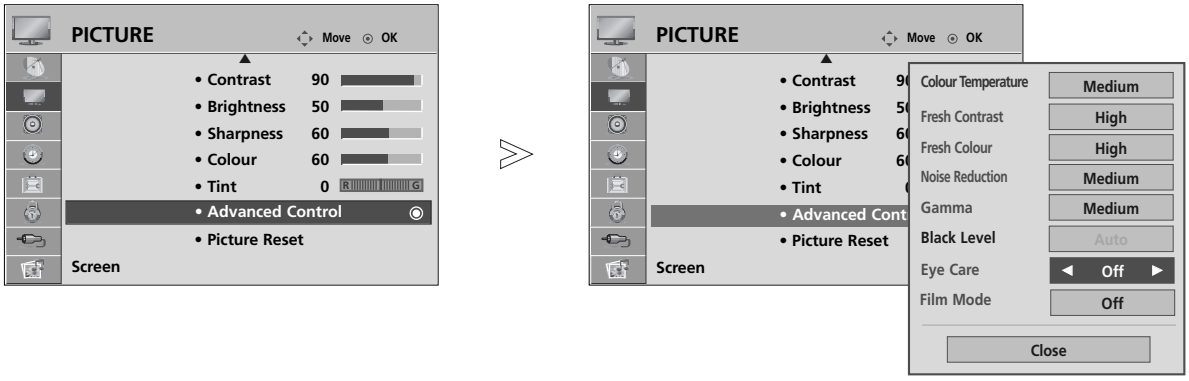


Display **TruMotion On** or **TruMotion Off.**

• To stop **TruMotion Demo**, press the **RETURN** button.

EYE CARE

It helps you adjust brightness when the screen is too bright to prevent dazzling.



1 MENU Select **PICTURE**.

2 OK Select **Advanced Control**.

3 OK Select **Eye Care**.

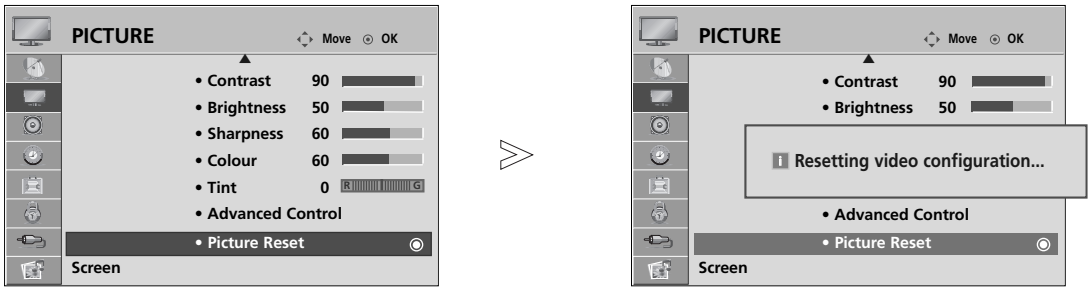
4 Select **On** or **Off**.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

PICTURE CONTROL

PICTURE RESET

Settings of the selected picture modes return to the default factory settings.



1 MENU Select **PICTURE**.

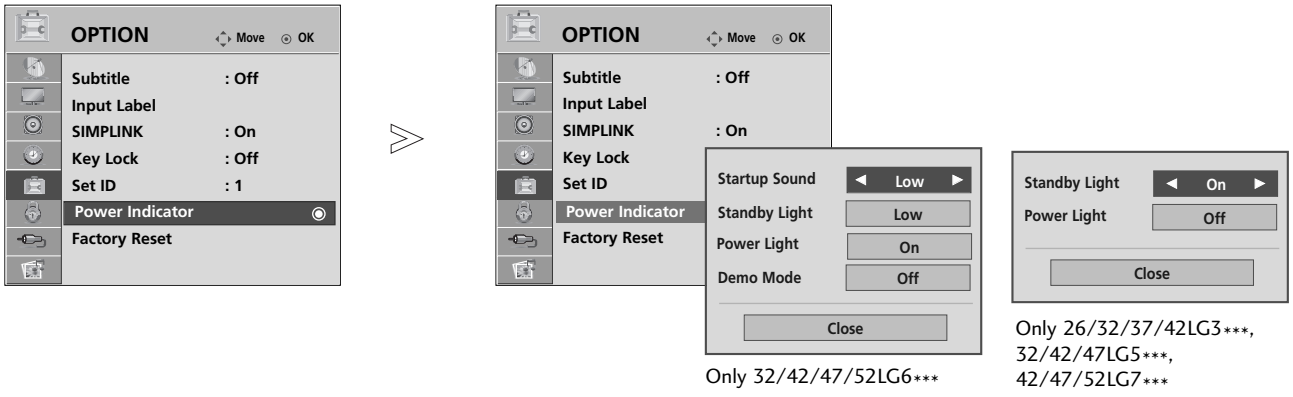
2 OK Select **Picture Reset**.

3 OK Initialize the adjusted value.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

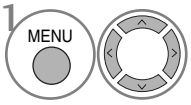
POWER INDICATOR

It helps you adjust the brightness of moving LED and sound when power is turned on.

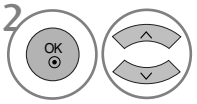


Only 32/42/47/52LG6***

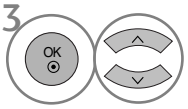
Only 26/32/37/42LG3***, 32/42/47LG5***, 42/47/52LG7***



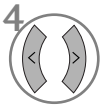
Select **OPTION**.



Select **Power Indicator**.



Select **Startup Sound**, **Standby Light**, **Power Light** or **Demo Mode**.



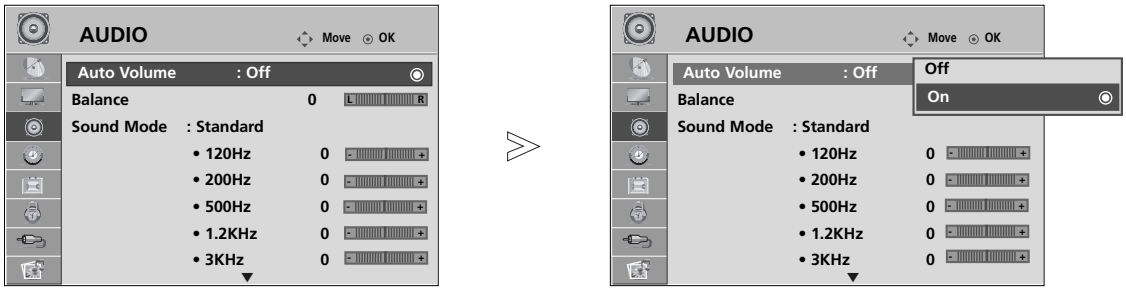
Select your desired Source.

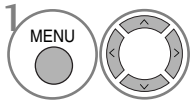
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

SOUND & LANGUAGE CONTROL

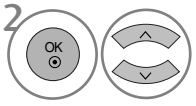
AUTO VOLUME LEVELLER

AVL automatically remains on the same level of volume if you change programmes

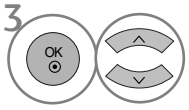




Select **AUDIO**.



Select **Auto Volume**.



Select **On** or **Off**.

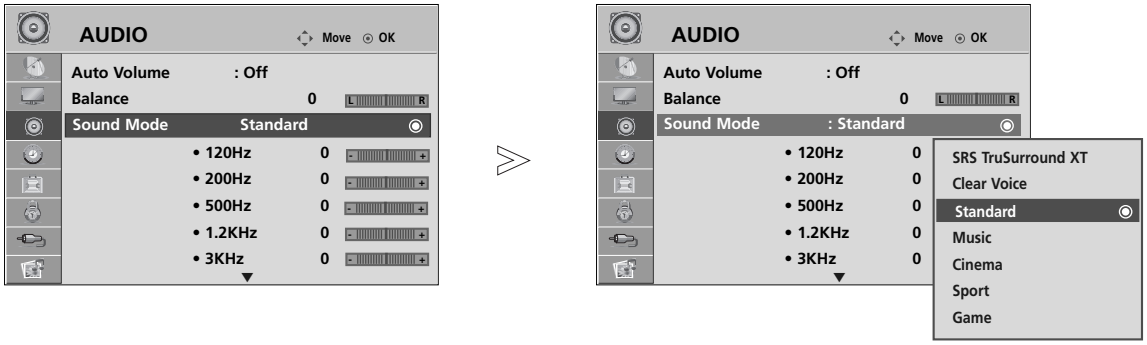
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

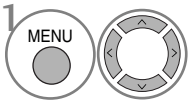
PRESET SOUND SETTINGS-SOUND MODE

You can select your preferred sound setting; SRS TruSurround XT, Clear Voice, Standard, Music, Cinema, Sport or Game and you can also adjust the frequency of the equalizer.

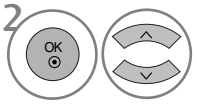
Sound Mode lets you enjoy the best sound without any Special adjustment as the TV sets the appropriate sound options based on the programme content.

SRS TruSurround XT, Clear Voice, Standard, Music, Cinema, Sport and Game are preset for optimum sound quality at the factory.

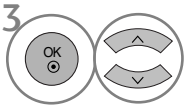




Select **AUDIO**.



Select **Sound Mode**.



Select **SRS TruSurround XT**, **Clear Voice**, **Standard**, **Music**, **Cinema**, **Sport** or **Game**.

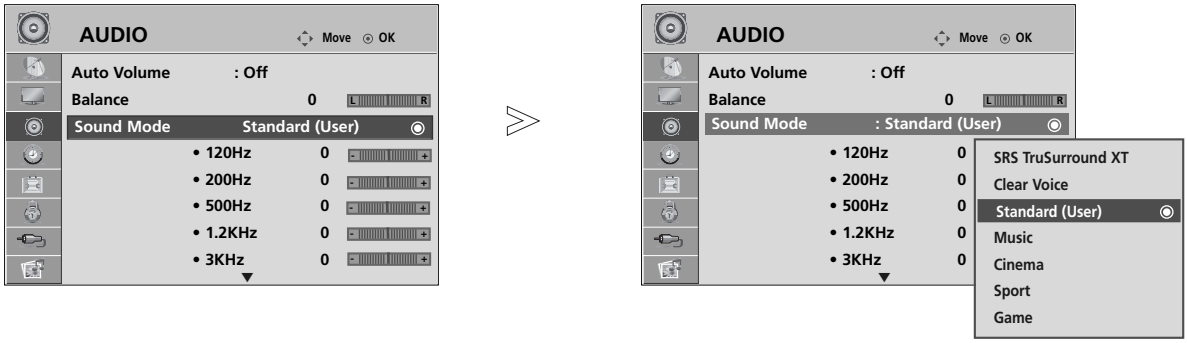
• You can also adjust **Sound Mode** in the **Q. Menu**.

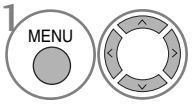
• Press the **MENU** button to return to normal TV viewing.

• Press the **RETURN** button to move to the previous menu screen.

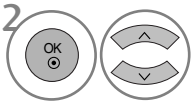
SOUND SETTING ADJUSTMENT -USER MODE

Adjusting the audio equalizer.

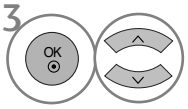




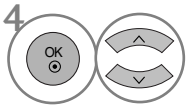
Select **AUDIO**.



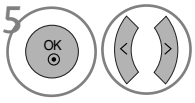
Select **Sound Mode**.



Select **SRS TruSurround XT**, **Clear Voice**, **Standard, Music, Cinema, Sport** or **Game**.



Select a frequency band.

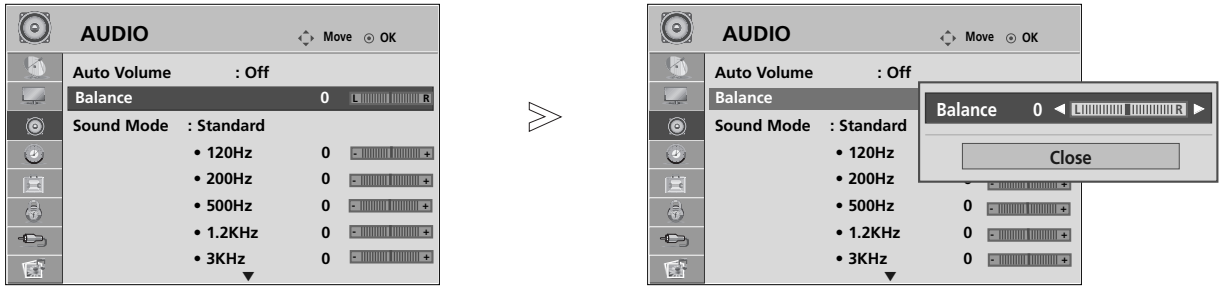


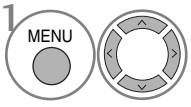
Set the desired sound level.

► SRS TruSurround XT is a trademark of SRS Labs, Inc.
► TruSurround XT technology is incorporated under license from SRS Labs, Inc.

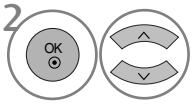
BALANCE

You can adjust the sound balance of the speakers to preferred levels.

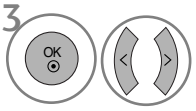




Select **AUDIO**.



Select **Balance**.



Make desired adjustment.

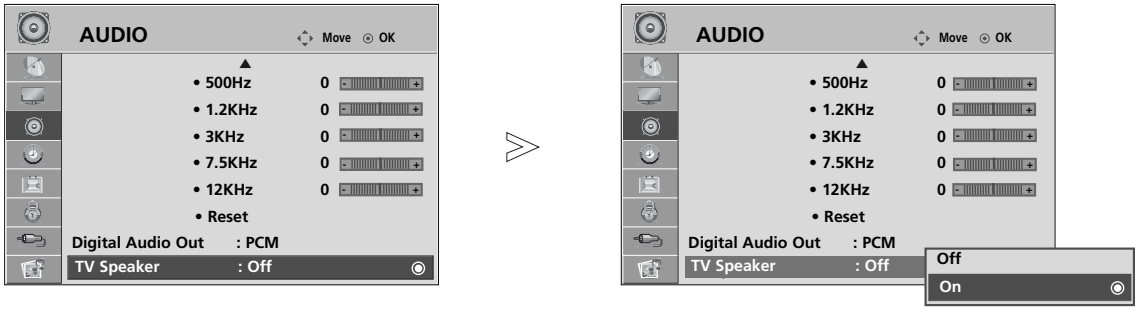
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

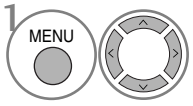
TV SPEAKERS ON/ OFF SETUP

You can adjust the TV internal speaker status.

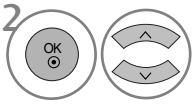
In **AV**, **COMPONENT**, **RGB** and **HDMI1** with HDMI to DVI cable, the TV speaker can be operational even when there is no video signal.

If you wish to use an external Hi-Fi system, turn off the TV internal speakers.

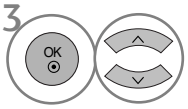




Select **AUDIO**.



Select **TV Speaker**.

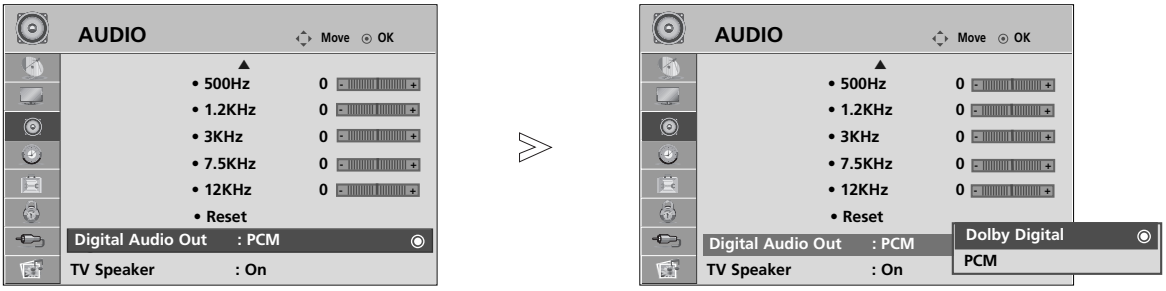


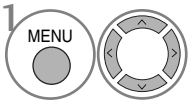
Select **On** or **Off**.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

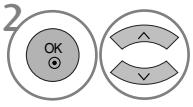
SELECTING DIGITAL AUDIO OUT

This function allows you to select your preferred Digital Audio Output.
The TV can only output DOLBY Digital if a channel is broadcast with Dolby Digital audio.
When Dolby digital is available, selecting Dolby Digital in the Digital Audio Out menu will set SPDIF output to Dolby Digital
If Dolby Digital is selected in the digital audio out menu when dolby digital is not available, SPDIF output will be PCM.
Even if both Dolby Digital and Audio language have been set in a channel which broadcast Dolby Digital Audio, only Dolby Digital will be played.

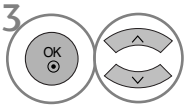




Select **AUDIO**.



Select **Digital Audio Out**.



Select **Dolby Digital** or **PCM**.

DOLBY DIGITAL

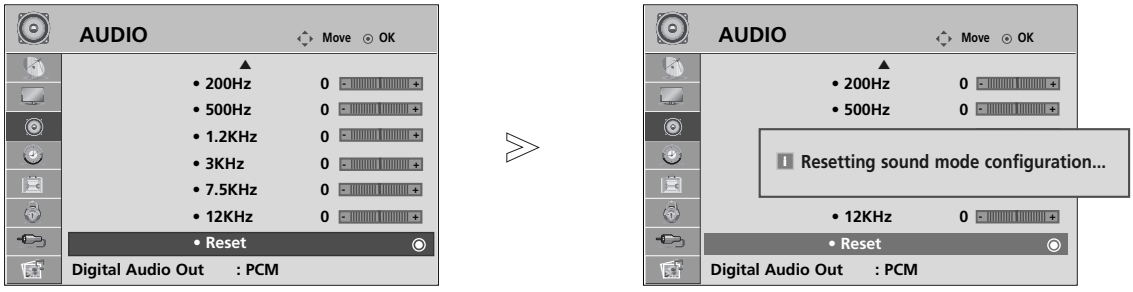
Manufactured under license from Dolby Laboratories. "*Dolby* "and the double-D symbol are trade-marks of Dolby Laboratories.

- There is a possibility that when HDMI mode, some DVD players do not make SPDIF sound. At that time, set the output of the digital audio of the DVD player to PCM.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

AUDIO RESET

Settings of the selected Sound Mode return to the default factory settings.



1 MENU Select **AUDIO**.

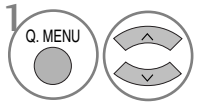
2 OK Select **Reset**.

3 OK Initialize the adjusted value.

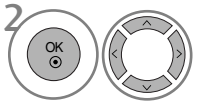
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

STEREO RECEPTION (IN ANALOGUE MODE ONLY)

When a programme is selected, the sound information for the station appears with the programme number and station name.



Select **Audio**.



Select the sound output.

Broadcast	On Screen Display
Mono	MONO
Stereo	STEREO

■ **Mono sound selection**

If the stereo signal is weak in stereo reception, you can switch to mono. In mono reception, the clarity of sound is improved.

SPEAKER SOUND OUTPUT SELECTION

In AV, Component, RGB and HDMI mode, you can select output sound for the left and right loudspeakers.

Select the sound output.

L+R: Audio signal from audio L input is sent to the left loudspeaker and audio signal from audio R input is sent to the right loudspeaker.

L+L: Audio signal from audio L input is sent to left and right loudspeakers.

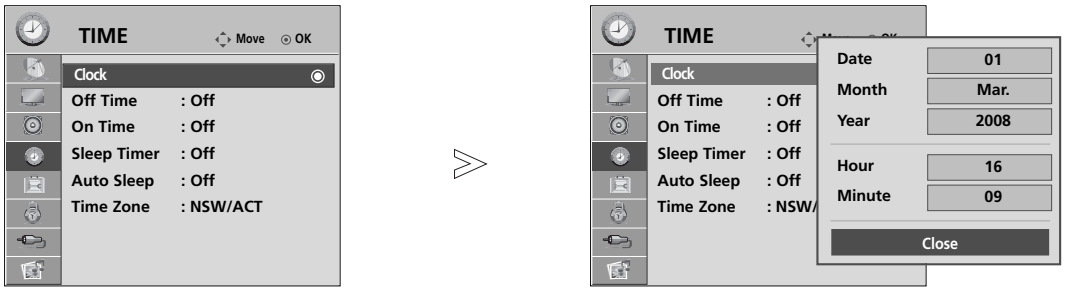
R+R: Audio signal from audio R input is sent to left and right loudspeakers.

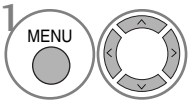
TIME SETTING

CLOCK SETUP

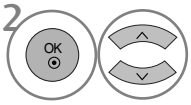
The clock is set automatically when receiving a digital signal. (You can set the clock manually only if the TV has no DTV signal.)

You must set the time correctly before using on/off timer function.

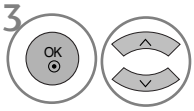




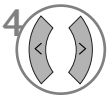
Select **TIME**.



Select **Clock**.



Select either the year, date, or time option.



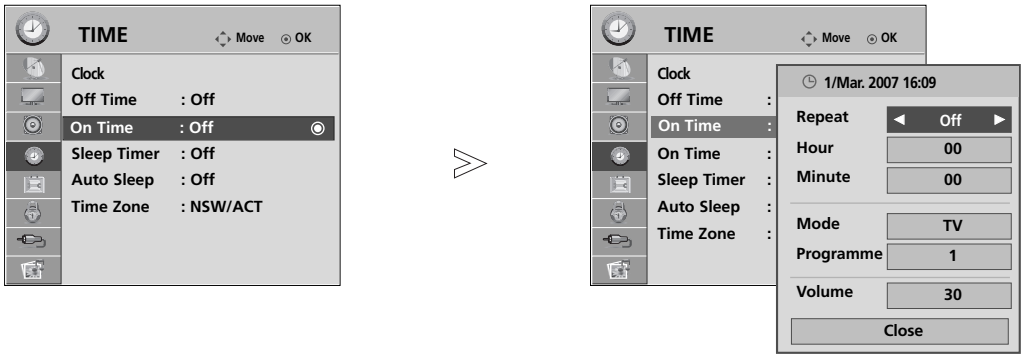
Set the year, date, and time options.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

AUTO ON/OFF TIMER SETTING

The Off time function automatically switches the TV to standby at a preset time.
Two hours after the TV is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.

The Off time function overrides the On timer function if both are set to the same time.
The TV must be in standby mode for the On timer to work.



1 MENU Select **TIME**.

2 OK Select **Off Time** or **On Time**.

3 OK Select **Repeat**.

4 Select **Off**, **Once**, **Daily**, **Mon ~ Fri**, **Mon ~ Sat**, **Sat ~ Sun** or **Sun**.

5 Set the hour.

6 Set the minutes.

- To cancel **On/Off Time** function, select **Off**.
- **For On Time function only**

1 OK Select **Mode**.

2 Select **TV**, **DTV** or **Radio**.

3 Set the programme.

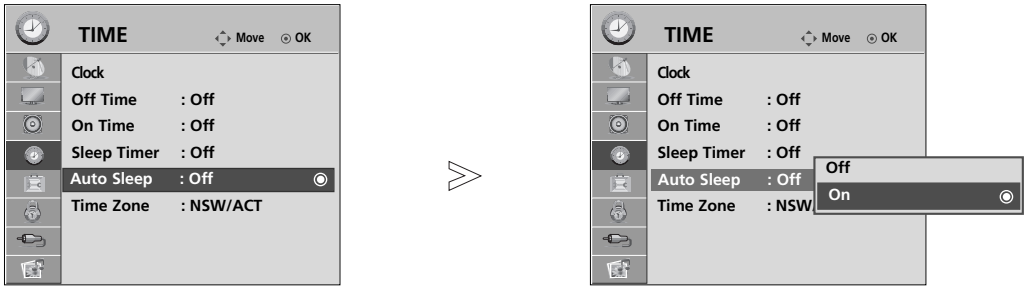
4 Adjust volume level at switch-on.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

TIME SETTING

AUTO SHUT-OFF SETTING

If the TV is switched on and there is no input signal, it will switch off automatically after 10 minutes.



1 MENU Select **TIME**.

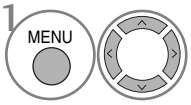
2 OK Select **Auto Sleep**.

3 OK Select **Off** or **On**.

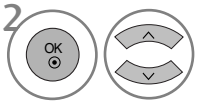
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

TIME ZONE SETUP

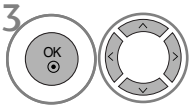
When you select a Time Zone city, the TV time is set by the time offset information based on Time Zone and GMT (Greenwich Mean Time) which is received with the broadcast signal and the time is set automatically by a digital signal.



Select **TIME**.



Select **Time Zone**.



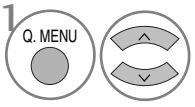
Select your viewing area time zone.



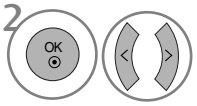
Confirm it.

SLEEP TIMER SETTING

You do not have to remember to switch the TV off before you go to sleep.
The sleep timer automatically switches the TV to standby after the preset time has elapsed.



Select **Sleep Timer**.



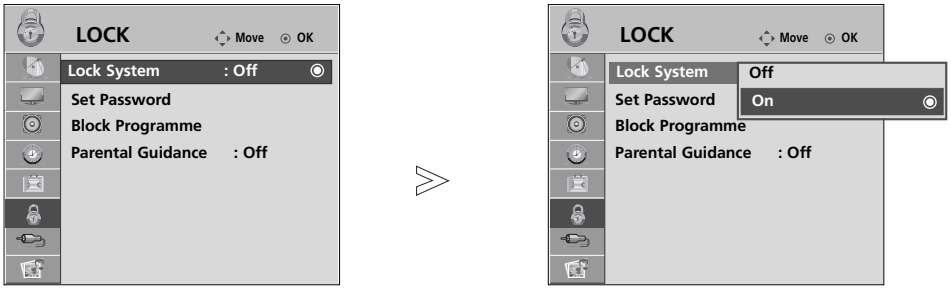
Select **Off**, **10**, **20**, **30**, **60**, **90**, **120**, **180** or **240 Min**.

- When you switch the TV off, the preset sleep timer is cancelled.
- You can also adjust **Sleep Timer** in the **TIME** menu.

PARENTAL CONTROL / RATINGS

SET PASSWORD & LOCK SYSTEM

Enter the password, press '0', '0', '0', '0' on the remote control handset.



1 MENU Select **LOCK**.

2 OK Select **Lock System**.

3 OK Select **On**.

4 OK OK Set the password.

5 Input a 4-digit password.
Be sure to remember this number!
Re-enter new password for confirm.

• If you forget your password, press '7', '7', '7', '7' on the remote control handset.

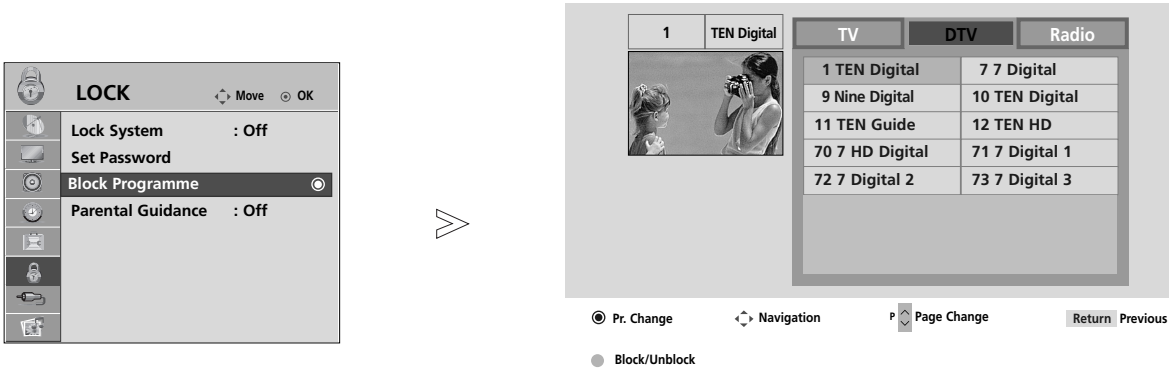
• Press the **MENU** button to return to normal TV viewing.

• Press the **RETURN** button to move to the previous menu screen.

BLOCK PROGRAMME

Blocks any programmes that you do not want to watch or that you do not want your children to watch.

It is available to use this function in **Lock System** "**On**".



1 MENU Select **LOCK**.

2 OK Select **Block Programme**.

3 OK Enter the **Block Programme**.

4 GREEN Select a programme to be locked.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

PARENTAL CONTROL / RATINGS

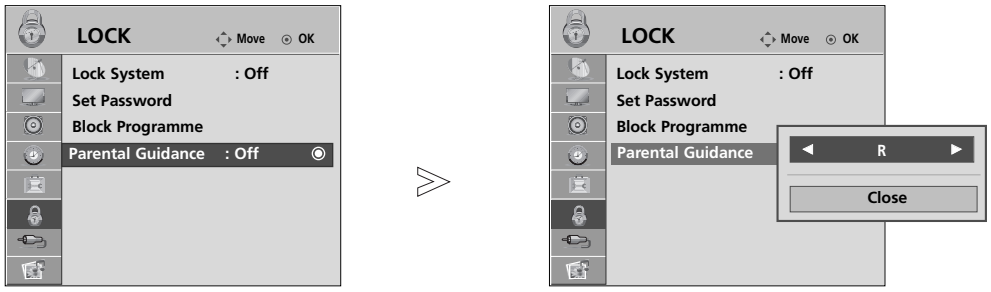
PARENTAL CONTROL

This function operates according to information from the broadcasting station. Therefore if the signal has incorrect information, this function does not operate.

A password is required to gain access to this menu.

This set is programmed to remember which option it was last set to even if you switch the set off.

Prevents children from watching certain adult's TV programmes, according to the ratings limit set.



1 MENU Select **LOCK**.

2 OK Select **Parental Guidance**.

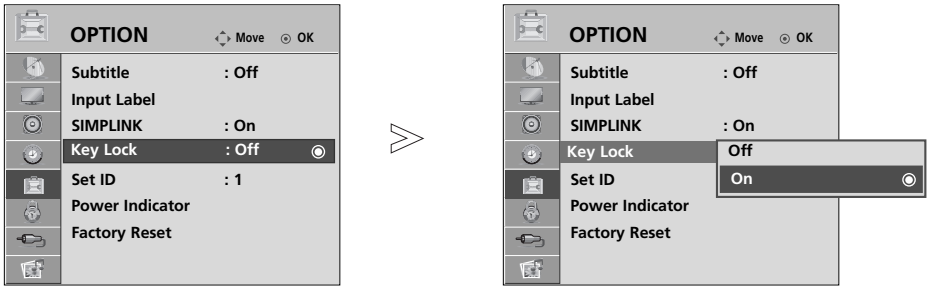
3 OK Make appropriate adjustments.

4 OK Save.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

KEY LOCK

The TV can be set so that the remote control is required to control it. This feature can be used to prevent unauthorized viewing.



1 MENU Select **OPTION**.

2 OK Select **Key Lock**.

3 OK Select **On** or **Off**.

4 OK Save.

- In **Key Lock** '**On**', if the TV is turned off, press the ⏻ / I, **INPUT**, P ▲ or ▼(or P ^ v) button on the TV or **POWER**, **INPUT**, P ^ v or NUMBER buttons on the remote control then the set will be turned on.
- With the **Key Lock On**, the display ' **Key Lock On**' appears on the screen if any button on the front panel is pressed while viewing the TV.

- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

TELETEXT

(IN DIGITAL MODE ONLY)

Teletext is a free service broadcast by most TV stations which gives up-to-the-minute information on news, weather, television programmes, share prices and many other topics.

The teletext decoder of this TV can support the SIMPLE, TOP and FASTEXT systems. SIMPLE (standard teletext) consists of a number of pages which are selected by directly entering the corresponding page number. TOP and FASTEXT are more modern methods allowing quick and easy selection of teletext information.

SWITCH ON/OFF

Press the **TEXT** button to switch to teletext. The initial page or last page viewed appears on the screen.
Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.
Press the **TEXT** button to switch off teletext. The previous mode reappears.

SIMPLE TEXT

■ Page selection

❶ Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.
❷ The **P** ∧ ∨ button can be used to select the preceding or following page.

TOP TEXT

The user guide displays four fields-red, green, yellow and blue at the bottom of the screen. The yellow field denotes the next group and the blue field indicates the next block.

■ Block / group / page selection

❶ With the blue button you can progress from block to block.
❷ Use the yellow button to proceed to the next group with automatic overflow to the next block.
❸ With the green button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the **P** ∧ button can be used.
❹ The red button returns to the previous selection. Alternatively the P ∨ button can be used.

■ Direct page selection

As with SIMPLE teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode.

FASTEXT

The teletext pages are colour coded along the bottom of the screen and are selected by pressing the corresponding coloured button.

■ Page selection

❶ Press the **T.OPT** button and then use ∧ ∨ button to select menu. Display the index page.
❷ You can select the pages which are colour coded along the bottom line with corresponding coloured buttons.
❸ AS with SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
❹ The **P** ∧ ∨ button can be used to select the preceding or following page.

SPECIAL TELETEXT FUNCTIONS

■ Press the **T. OPT** button and then use ∧ ∨ button to select the **Text Option** menu.



■ **REVEAL**

Select this menu to display concealed information, such as solutions to riddles or puzzles.



■ **UPDATE**

Displays the TV picture on the screen while waiting for a new teletext page. The display will appear at the top left hand corner of the screen. When the updated page is available then display will change to the page number. Select this menu again to view the updated teletext page.



■ **TIME**

When viewing a TV programme, select this menu to display the time at the top right hand corner of the screen.
In the teletext mode, press this button to select a sub page number. The sub page number is displayed at the bottom of the screen. To hold or change the sub page, press the RED/GREEN, < > or NUMBER buttons.



■ **HOLD**

Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this menu is selected the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inactive.



■ **INDEX**

Select the each index page.

APPENDIX

TROUBLESHOOTING

The TV does not operate properly.	
The remote control does not work	■ Check to see if there is any object between the TV and the remote control causing an obstruction. Ensure you are pointing the remote control directly at the TV. ■ Ensure that the batteries are installed with correct polarity (+ to +, - to -). ■ Ensure that the correct remote operating mode is set : TV, STB etc. ■ Install new batteries.
Power is suddenly turned off	■ Is the sleep timer set? ■ Check the power control settings. Has the Power supply been interrupted. ■ Is Auto sleep activated on this station?

The video function does not work.	
No picture &No sound	■ Check whether the TV is switched on. ■ Try another channel. The problem may be with the broadcast. ■ Is the power cord inserted correctly into the mains? ■ Check your antenna direction and/or location. ■ Test the mains outlet by plugging another product into the same outlet.
Picture appears slowly after switching on	■ This is normal, the image is muted during the TV startup process. Please contact your service centre, if the picture has not appeared after five minutes.
No or poor colour or poor picture	■ Adjust Colour in menu option. ■ Allow a sufficient distance between the product and the VCR. ■ Try another channel. The problem may be with the broadcast. ■ Are the video cables installed properly? ■ Activate any function to restore the brightness of the picture.
Horizontal/vertical bars or picture shaking	■ Check for local interference such as an electrical appliance or power tool.
Poor reception on some channels	■ Station or cable channel experiencing problems, tune to another station. ■ Station signal is weak, reposition the antenna to receive weaker stations. ■ Check for sources of possible interference.
Lines or streaks in pictures	■ Check antenna (Change the position of the antenna).
No picture when connecting HDMI	■ Check HDMI cable over version 1.3. If the HDMI cables don't support HDMI version 1.3, it can cause flickers or no screen display. In this case use the latest cables that support HDMI version 1.3.

The audio function does not work.	
Picture OK & No sound	■ Press the ◿ + or - button. ■ Sound muted? Press **MUTE** button. ■ Try another channel. The problem may be with the broadcast. ■ Are the audio cables installed properly?
No output from one of the speakers	■ Adjust **Balance** in menu option.
Unusual sound from inside the product	■ A change in ambient humidity or temperature may result in an unusual noise when the product is switched on or off and does not indicate a fault with the product.
No sound when connecting HDMI or USB	■ Check HDMI cable over version 1.3. ■ Check USB cable over version 2.0. *This feature is not available for all models.

There is a problem in PC mode. (Only PC mode applied)	
The signal is out of range (Invalid format)	■ Adjust resolution, horizontal frequency, or vertical frequency. ■ Check the input source.
Vertical bar or stripe on background & Horizontal Noise & Incorrect position	■ Use Auto configure or adjust clock, phase, or H/V position. (Option)
Screen colour is unstable or single colour	■ Check the signal cable. ■ Reinstall the PC video card.

APPENDIX

MAINTENANCE

Early malfunctions can be prevented. Careful and regular cleaning can prolong the life of your new TV.

Caution: Be sure to switch the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

1. A good way to keep the dust off your screen for a while is to wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it is almost dry, and then use it to wipe the screen.
2. Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching on.

Cleaning the Cabinet

- To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.
- Do not to use a wet cloth.

Extended Absence

⚠ CAUTION

► If you expect to leave your TV dormant for prolonged periods (such as a holiday), unplug the power cord to protect against possible damage from lightning or power surges.

PRODUCT SPECIFICATIONS

MODELS		32LG6***	42LG6***	47LG60**/ 47LG65**	52LG6***
		32LG60UD-AA 32LG60FD-AC	42LG60FD-AA	47LG65YD-AC 47LG60FD-AA	52LG65YD-AC
Dimensions (Width x Height x Depth)	with stand	805.6 x 626 x 333 mm 31.7 x 24.6 x 13.1 inches	1037.8 x 794.6 x 379.5 mm 40.9x 31.3 x 14.9 inches	1152.8 x 868.6 x 434.5 mm 45.4 x 34.2 x 17.1 inches	1280.1 x 944.7 x 430 mm 50.4 x 37.2x 16.9inches
	without stand	805.6x 587.4x 96.2mm 31.7 x 23.1 x 3.7 inches	1037.8x 747x 80.8mm 40.9 x 29.4 x 3.2 inches	1152.8 x 820.8 x 79 mm 45.4 x 32.3x 3.1 inches	1280.1 x 896 x 89 mm 50.4x 35.5 x 3.5 inches
Weight	with stand	14.4 kg / 31.7 lbs	24.1 kg / 53.1 lbs	32.8 kg / 72.3 lbs	45 kg / 99.2 lbs
	without stand	12.2 kg / 26.9 lbs	20.4 kg / 45 lbs	27.2 kg / 60 lbs	38.1kg / 84lbs
Power requirement		AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz

MODELS		42LG61**	47LG61**
		42LG61YD-AC 42LG61YD-AJ	47LG61YD-AC
Dimensions (Width x Height x Depth)	with stand	1037.8 x 798 x 378 mm 40.9x 31.4 x 14.9 inches	1132 x 853.8 x 413.5 mm 44.6 x 33.6 x 16.3 inches
	without stand	1037.8x 746.2x 45mm 40.9 x 29.4 x 1.8 inches	1132 x 807.8 x 44.7 mm 44.6 x 31.8x 1.7 inches
Weight	with stand	21.3 kg / 47 lbs	28 kg / 61.7 lbs
	without stand	18 kg / 39.7 lbs	24 kg / 52.9 lbs
Power requirement		AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz

MODELS		42LG7***	47LG7***	52LG7***
		42LG70YD-AA	47LG70YD-AA	52LG70YD-AA 52LG70YD-AG
Dimensions (Width x Height x Depth)	with stand	1026.2 x 734.0 x 293.4 mm 40.4 x 28.8 x 11.5 inches	1140.4 x 820.1 x 342.9 mm 44.8 x 32.2 x 13.5 inches	1284.4 x 898.6 x 342.9 mm 50.5 x 35.3 x 13.5 inches
	without stand	1026.2 x 687.9 x 111.8 mm 40.4 x 27.0 x 4.4 inches	1140.4 x 764.8 x 129.0 mm 44.8 x 30.1 x 5.0 inches	1284.4 x 844.6 x 129.5 mm 50.5 x 33.2 x 5.0 inches
Weight	with stand	21.7 kg / 47.8 lbs	30.1 kg / 66.3 lbs	39.9 kg / 87.9 lbs
	without stand	19.1 kg / 42.1 lbs	25.4 kg / 55.9 lbs	35.2kg / 77.6lbs
Power requirement		AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz
Television System Program Coverage External Antenna Impedance		PAL B/G, DVB-T VHF 0-12, UHF 20-75, CATV 02-44, DTV 06-12, 27-69 75 ohm		
Environment condition	Operating Temperature Operating Humidity	32 ~ 104°F (0 ~ 40°C) Less than 80%		
	Storage Temperature Storage Humidity	-4 ~ 140°F (-20 ~ 60°C) Less than 85%		

■ The specifications shown above may be changed without prior notice for quality improvement.

APPENDIX

MODELS		26LG3*** 26LG30D-AA	32LG3*** 32LG30D-AA	37LG3*** 37LG30D-AA	42LG3*** 42LG30D-AA
Dimensions (Width x Height x Depth)	with stand	663.3 x 508.2 x 227.3 mm 26.1 x 20.1 x 9.0 inches	801.8 x 604.2 x 227.3 mm 31.5 x 23.7 x 8.9 inches	919.6 x 682.3 x 293.8 mm 36.2 x 26.8 x 11.5 inches	1032.8 x 742.3 x 293.8 mm 40.6 x 29.2 x 11.5 inches
	without stand	663.3 x 449.8 x 80.0 mm 26.1 x 17.8 x 3.2 inches	801.8 x 544.1 x 79.0 mm 31.5 x 21.4 x 3.1 inches	919.6 x 610.3 x 89.0 mm 36.2 x 24.0 x 3.5 inches	1032.8 x 670.1 x 92.0 mm 40.6 x 26.3 x 3.6 inches
Weight	with stand	10.1 kg / 22.3 lbs	13.4 kg / 29.5 lbs	18.8 kg / 41.4 lbs	23.6 kg / 52.0 lbs
	without stand	8.6 kg / 19.0 lbs	11.9 kg / 26.2 lbs	16.2 kg / 35.7 lbs	21.0 kg / 46.2 lbs
Power requirement		AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz

MODELS		32LG5*** 32LG50FD-AD	42LG5*** 42LG50FD-AA 42LG50FD-AD	47LG5*** 47LG50FD-AA 47LG50FD-AD
Dimensions (Width x Height x Depth)	with stand	813.8 x 598.8 x 231.9 mm 32.1 x 23.6 x 9.2 inches	1034.0 x 735.0 x 294.0 mm 40.7 x 28.9 x 11.5 inches	1156.2 x 813.1 x 342.9 mm 45.5 x 32.0 x 13.5 inches
	without stand	813.8 x 540.4 x 95.5 mm 32.1 x 21.3 x 3.8 inches	1034.0 x 663.0 x 92.0 mm 40.7 x 26.1 x 3.6 inches	1156.2 x 739.2 x 103.0 mm 45.5 x 29.1 x 4.0 inches
Weight	with stand	14.1 kg / 31.1 lbs	21.6 kg / 47.6.0 lbs	29.2 kg / 64.3 lbs
	without stand	12.6 kg / 27.8 lbs	19 kg / 41.9 lbs	24.6 kg / 54.2 lbs
Power requirement		AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz	AC100-240V~ 50/60Hz
Television System Program Coverage External Antenna Impedance		PAL B/G, DVB-T VHF 0-12, UHF 20-75, CATV 02-44, DTV 06-12, 27-69 75 ohm		
Environment condition	Operating Temperature Operating Humidity	32 ~ 104˚F (0 ~ 40˚C) Less than 80%		
	Storage Temperature Storage Humidity	-4 ~ 140˚F (-20 ~ 60˚C) Less than 85%		

■ The specifications shown above may be changed without prior notice for quality improvement.

PROGRAMMING THE REMOTE CONTROL

The remote control is a multi brand or universal remote. It can be programmed. to operate most remote controlled devices from other manufacturers.

Note that the remote control may not control all models from other brands.

Programming a code into a remote mode

1. Testing your remote control.
   To find out whether your remote control can operate other components without programming, turn on a component such as a STB and press the corresponding mode button (such as a **STB**) on the remote control, while pointing at the component. Test the POWER and P ∧ ∨ buttons to see if the component responds correctly. If the component does not operate correctly, the remote control requires programming to operate the device.

2. Switch on the component to be programmed, then press the corresponding mode button (such as **STB**) on the remote control. The remote control button of the desired device is illumintated.

3. Press the **MENU** and **MUT**E buttons simultaneously, the remote control is ready to be programmed with the code.

4. Enter a code number using the number buttons on the remote control. Programming code numbers for the corresponding component can be found on the following pages. If the code is correct, the device will turn off.

5. Press the **MENU** button to store the code.

6. Test the remote control functions to see if the component responds correctly. If not, repeat from step 2.

APPENDIX

HDSTB

Brand	Codes				Brand	Codes				Brand	Codes			
ALPHASTAR DSR	123				HOUSTON TRACKER	033	037	039	051	PROSAT	072			
AMPLICA	050					057	104			RCA	066	106		
BIRDVIEW	051	126	129		HUGHES	068				REALISTIC	043	074		
CHANNEL MASTER	013	014	015	018	JANIEL	060	147			SAMSUNG	123			
	036	055			JERROLD	061				SATELLITE SERVICE CO	028	035	047	057
CHAPARRAL	008	009	012	077	KATHREIN	108					085			
CITOH	054				LEGEND	057				SCIENTIFIC ATLANTA	032	138		
CURTIS MATHES	050	145			LG	001				SONY	103			
DRAKE	005	006	007	010	LUTRON	132				STARCAST	041			
	011	052	112	116	LUXOR	062	144			SUPER GUIDE	020	124	125	
	141				MACOM	010	059	063	064	TEECOM	023	026	075	087
DX ANTENNA	024	046	056	076		065					088	090	107	130
ECHOSTAR	038	040	057	058	MEMOREX	057					137			
	093	094	095	096	NEXTWAVE	028	124	125		TOSHIBA	002	127		
	097	098	099	100	NORSAT	069	070			UNIDEN	016	025	042	043
	122				PACE SKY SATELLITE	143					044	045	048	049
ELECTRO HOME	089				PANASONIC	060	142				078	079	080	086
EUROPLUS	114				PANSAT	121					10	135	136	
FUJITSU	017	021	022	027	PERSONAL CABLE	117				VIEWSTAR	115			
	133	134			PHILIPS	071				WINEGARD	128	146		
GENERAL INSTRUMENT	003	004	016	029	PICO	105				ZENITH	081	082	083	084
	031	059	101		PRESIDENT	019	102				091	120		
HITACHI	139	140			PRIMESTAR	030	110	111						

IR CODES

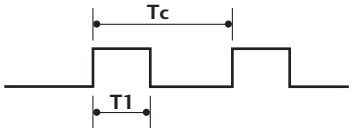
1. How to Connect

■ Connect your wired remote control to the Remote Control port on the TV.

2. Remote Control IR Codes

■ **Output waveform**

Single pulse, modulated with 37.917KHz signal at 455KHz



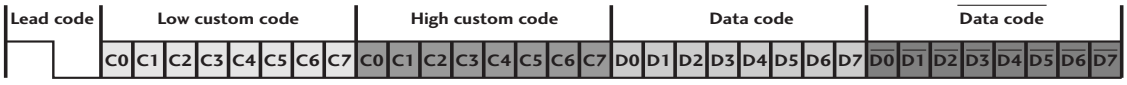
Carrier frequency

FCAR = 1/TC = fOSC/12

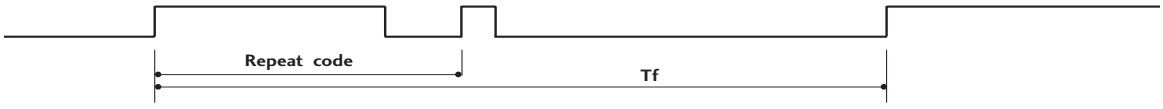
Duty ratio = T1/TC = 1/3

■ **Configuration of frame**

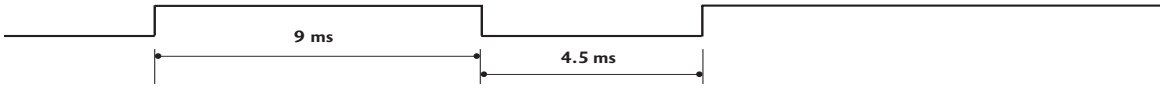
1st frame



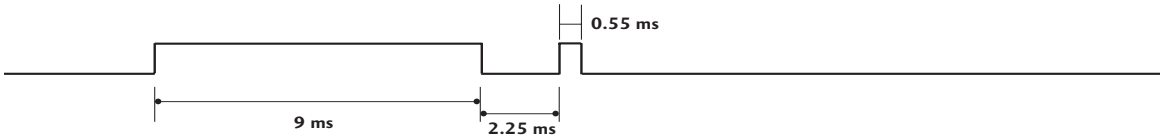
Repeat frame



■ **Lead code**

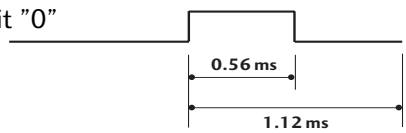


■ **Repeat code**

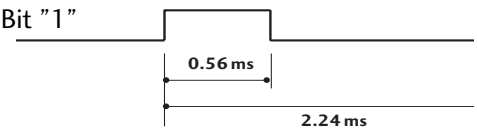


■ **Bit description**

Bit "0"

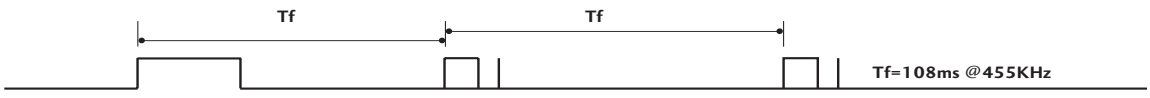


Bit "1"



■ **Frame interval: Tf**

The waveform is transmitted as long as a key is depressed.



APPENDIX

Code (Hexa)	Function	Note
08	POWER	R/C BUTTON (POWER ON/OFF)
0B	INPUT	R/C BUTTON
f0	TV/RADIO	R/C BUTTON
45	Q.MENU	R/C BUTTON
43	MENU	R/C BUTTON
AB	GUIDE	R/C BUTTON
07	Left (<)	R/C BUTTON
06	Right (>)	R/C BUTTON
40	Up (^)	R/C BUTTON
41	Down (v)	R/C BUTTON
44	OK(◉)	R/C BUTTON
28	RETURN	R/C BUTTON
AA	INFO ⓘ	R/C BUTTON
30	AV MODE	R/C BUTTON
02	◿ +	R/C BUTTON
03	◿ -	R/C BUTTON
00	P ^	R/C BUTTON
01	P v	R/C BUTTON
1E	FAV	R/C BUTTON
09	MUTE	R/C BUTTON
10 ~19	Number Key 0~9	R/C BUTTON
53	LIST	R/C BUTTON
1A	Q.VIEW	R/C BUTTON
72	RED Key	R/C BUTTON
71	GREEN Key	R/C BUTTON
63	YELLOW Key	R/C BUTTON
61	BLUE Key	R/C BUTTON
20	TEXT	R/C BUTTON
21	T.Option	R/C BUTTON
39	SUBTITLE	R/C BUTTON
BD	●(Record)	R/C BUTTON
7E	SIMPLINK	R/C BUTTON

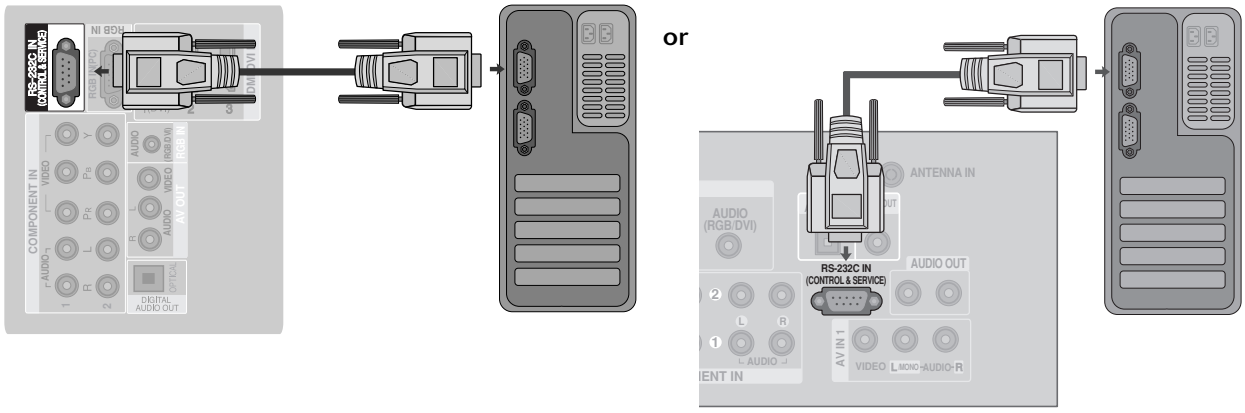
EXTERNAL CONTROL DEVICE SETUP

RS-232C Setup

Connect the RS-232C (serial port) input jack to an external control device (such as a computer or an A/V control system) to control the product's functions externally.

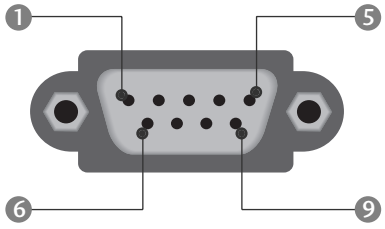
Connect the serial port of the control device to the RS-232C jack on the product back panel.

Note: RS-232C connection cables are not supplied with the product.



Type of Connector; D-Sub 9-Pin Male

No.	Pin Name
1	No connection
2	RXD (Receive data)
3	TXD (Transmit data)
4	DTR (DTE side ready)
5	GND
6	DSR (DCE side ready)
7	RTS (Ready to send)
8	CTS (Clear to send)
9	No Connection



APPENDIX

RS-232C Configurations

7-Wire Configurations (Standard RS-232C cable)

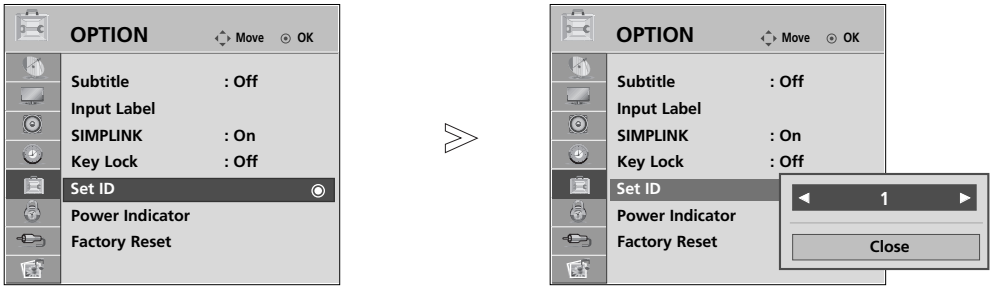
PC		TV	
RXD	2 ●——● 3		TXD
TXD	3 ●——● 2		RXD
GND	5 ●——● 5		GND
DTR	4 ●——● 6		DSR
DSR	6 ●——● 4		DTR
RTS	7 ●——● 8		CTS
CTS	8 ●——● 7		RTS
	D-Sub 9	D-Sub 9	

3-Wire Configurations(Not standard)

PC		TV	
RXD	2 ●——● 3		TXD
TXD	3 ●——● 2		RXD
GND	5 ●——● 5		GND
DTR	4	6	DTR
DSR	6	4	DSR
RTS	7	7	RTS
CTS	8	8	CTS
	D-Sub 9	D-Sub 9	

Set ID

Use this function to specify a set ID number.
Refer to 'Real Data Mapping'. ► p.112



1 MENU — Select **OPTION**.

2 OK — Select **Set ID**.

3 OK — Adjust **Set ID** to choose the desired TV ID number.
The adjustment range of SET ID is 1~99.

• Press **RETURN** to move to the previous menu screen.

Communication Parameters

- Baud rate : 9600 bps (UART)
- Data length : 8 bits
- Parity : None
- Stop bit : 1 bit
- Communication code : ASCII code
- Use a crossed (reverse) cable.

Command Reference List

	COMMAND 1	COMMAND 2	DATA (Hexadecimal)
01. Power	k	a	00 ~ 01
02. Aspect Ratio	k	c	Refer to p. 110
03. Screen Mute	k	d	00 ~ 01
04. Volume Mute	k	e	00 ~ 01
05. Volume Control	k	f	00 ~ 64
06. Contrast	k	g	00 ~ 64
07. Brightness	k	h	00 ~ 64
08. Colour	k	i	00 ~ 64
09. Tint	k	j	00 ~ 64
10. Sharpness	k	k	00 ~ 64
11. OSD Select	k	l	00 ~ 01
12. Remote control lock mode	k	m	00 ~ 01
13. Balance	k	t	00 ~ 64
14. Colour Temperature	k	u	00 ~ 02
15. Abnormal Status	k	z	00 ~ a
16. Auto Configuration	j	u	01
17. Equalize	j	v	Refer to p. 112
18. Tune Command	m	a	Refer to p. 112
19. Channel Add/Skip	m	b	00 ~ 01
20. Key	m	c	Key Code
21. Control Back Light	m	g	00 ~ 64
22. Input select (Main)	x	b	Refer to p. 113

* When setting the 15 ~ 22, a menu does not appear on screen.

Transmission / Receiving Protocol

Transmission

[Command1][Command2][ ][Set ID][ ][Data][Cr]

* [Command 1] : First command to control the TV. (j, k, m or x)
* [Command 2] : Second command to control the TV.
* [Set ID] : You can adjust the set ID to choose desired monitor ID number in option menu. Adjustment range is 1 ~ 99. When selecting Set ID '0', every connected set is controlled. Set ID is indicated as decimal (1~99) on menu and as Hexa decimal (0x0~0x63) on transmission/receiving protocol.
* [DATA] : To transmit command data. Transmit 'FF' data to read status of command.
* [Cr] : Carriage Return ASCII code '0x0D'
* [ ] : ASCII code 'space (0x20)'

OK Acknowledgement

[Command2][ ][Set ID][ ][OK][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving normal data. At this time, if the data is data read mode, it indicates present status data. If the data is data write mode, it returns the data of the PC computer.

Error Acknowledgement

[Command2][ ][Set ID][ ][NG][Data][x]

* The set transmits ACK (acknowledgement) based on this format when receiving abnormal data from non-viable functions or communication errors.

Data 00: Illegal Code

APPENDIX

01. Power (Command: k a)

▶ To control Power On/Off of the set.

Transmission

[k] [a] [ ] [Set ID] [ ] [Data] [Cr]

Data 00 : Power Off 01 : Power On

Ack

[a] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

▶ To show Power On/Off.

Transmission

[k] [a] [ ] [Set ID] [ ] [FF] [Cr]

Ack

[a] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

* Similarly, if other functions transmit '0xFF' data based on this format, Acknowledgement data feed back presents status about each function.
* OK Ack., Error Ack. and other message may display on the screen when TV is power On.

02. Aspect Ratio (Command: k c) (Main Picture Size)

▶ To adjust the screen format. (Main picture format)
You can also adjust the screen format using the **Aspect Ratio** in the Q.MENU. or PICTURE menu.

Transmission

[k] [c] [ ] [Set ID] [ ] [Data] [Cr]

Data 01 : Normal screen (4:3)
02 : Wide screen (16:9)
04 : Zoom1
05 : Zoom2
06 : Original
07 : 14:9
09 : Just Scan

Ack

[c] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

* Using the PC input, you select either 16:9 or 4:3 screen aspect ratio.
* In HDMI/Component (over 720p) mode, **Just Scan** is available.

03. Screen Mute (Command: k d)

▶ To select screen mute on/off.

Transmission

[k] [d] [ ] [Set ID] [ ] [Data] [Cr]

Data 00 : Screen mute off (Picture on)
01 : Screen mute on (Picture off)

Ack

[d] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

04. Volume Mute (Command: k e)

▶ To control volume mute on/off.
You can also adjust mute using the MUTE button on remote control.

Transmission

[k] [e] [ ] [Set ID] [ ] [Data] [Cr]

Data 00 : Volume mute on (Volume off)
01 : Volume mute off (Volume on)

Ack

[e] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

05. Volume Control (Command: k f)

▶ To adjust volume.
You can also adjust volume with the VOLUME buttons on remote control.

Transmission

[k] [f] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[f] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

06. Contrast (Command: k g)

▶ To adjust screen contrast.
You can also adjust contrast in the PICTURE menu.

Transmission

[k] [g] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[g] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

07. Brightness (Command: k h)

▶ To adjust screen brightness.
You can also adjust brightness in the PICTURE menu.

Transmission

[k] [h] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[h] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

08. Colour (Command: k i)

▶ To adjust the screen colour.
You can also adjust colour in the PICTURE menu.

Transmission

[k] [i] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[i] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

09. Tint (Command: k j)

▶ To adjust the screen tint.
You can also adjust tint in the PICTURE menu.

Transmission

[k] [j] [ ] [Set ID] [ ] [Data] [Cr]

Data Red : 00 ~ Green : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[j] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

10. Sharpness (Command: k k)

▶ To adjust the screen sharpness.
You can also adjust sharpness in the PICTURE menu.

Transmission

[k] [k] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[k] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

11. OSD Select (Command: k l)

▶ To select OSD (On Screen Display) on/off when controlling remotely.

Transmission

[k] [l] [ ] [Set ID] [ ] [Data] [Cr]

Data 00 : OSD off 01 : OSD on

Ack

[l] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

12. Remote control lock mode (Command: k m)

▶ To lock the front panel controls on the monitor and remote control.

Transmission

[k] [m] [ ] [Set ID] [ ] [Data] [Cr]

Data 00 : Lock off 01 : Lock on

Ack

[m] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

* If you are not using the remote control, use this mode. When main power is on/off, external control lock is released.

13. Balance (Command: k t)

▶ To adjust balance.
You can also adjust balance in the AUDIO menu.

Transmission

[k] [t] [ ] [Set ID] [ ] [Data] [Cr]

Data Min : 00 ~ Max : 64
* Refer to 'Real data mapping 1'. See page 112.

Ack

[t] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

14. Colour Temperature (Command: k u)

▶ To adjust colour temperature. You can also adjust Colour Temperature in the PICTURE menu.

Transmission

[k] [u] [ ] [Set ID] [ ] [Data] [Cr]

Data 00: Medium 01:Cool 02: Warm

Ack

[u] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

15. Abnormal State (Command: k z)

▶ To recognize an abnormal state.

Transmission

[k] [z] [ ] [Set ID] [ ] [FF] [ ] [Cr]

Data FF : Read

Ack

[z] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

Data 00: Normal (Power on and signal exist)
01: No signal (Power on)
02: Turn the TV off by remote control
03: Turn the TV off by sleep time function
04: Turn the TV off by RS-232C function
05: 5V down
06: AC down
07: Turn the TV off by Fan Alarm function
08: Turn the TV off by Off time function
09: Turn the TV off by Auto sleep function
a: Turn the TV off by AV board detection.

* This function is "read only".

16. Auto Configure(Command: j u)

▶ To adjust picture position and minimize image shaking automatically. It works only in RGB (PC) mode.

Transmission

[j] [u] [ ] [Set ID] [ ] [Data] [Cr]

Data 01: To set

Ack

[u] [ ] [Set ID] [ ] [OK/NG] [Data] [x]

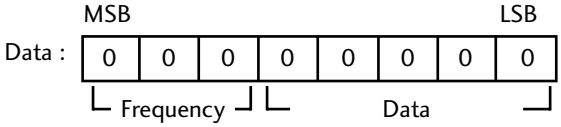
APPENDIX

17. Equalize (Command : j v)

▶ To adjust equalize.

Transmission

[j][v][ ][Set ID][ ][Data][Cr]



Frequency : 0 120Hz
1 200Hz
2 500Hz
3 1.2kHz
4 3kHz
5 7.5kHz
6 12kHz

Data : Step (0 ~ 31 step)

Ack

[v][ ][Set ID][ ][OK/NG][Data][x]

* Euqalize command expression

7	6	5	4	3	2	1	0	Frequency
0	0	0						120Hz
0	0	1						200Hz
0	1	0						500Hz
0	1	1						1.2KHz
1	0	0						3KHz
1	0	1						7.5KHz
1	1	0						12KHz

			Step					OSD Value
7	6	5	4	3	2	1	0	
			0	0	0	0	0	-24
			..	..	..	..	..	..
			0	1	1	1	1	0
			..	..	..	..	..	..
			1	1	1	1	1	24

Ex) 500Hz, Step 20: [j][v][ ][Set ID][ ][54][Cr]
010 10100 => 01010100 = 54 (Hex)

3 bits of Frequency and 5 bits of Data (Step) makes 8 Bit (1 byte).
Change 8 bit to Hex value.

* OSD Value = [(Step+1)*48/32-24]

18.Tune Command (Command: m a)

▶ Select channel to following physical number.

Transmission

[m][a][ ][Set ID][ ][Data0][ ][Data1][ ][Data2][Cr]

Data00 : High channel data
Data01 : Low channel data
ex. No. 47 -> 00 2F (2FH)
No. 394 -> 01 88 (188H),
DTV No. 0 -> Don't care
Data02 0x00 : ATV Main
0x10 : DTV Main

Channel data range
Analogue - Min: 00 ~ Max: 63 (0~99)
Digital - Min: 00 ~ Max: 3E7 (0~999)

Ack

[a][ ][Set ID][ ][OK/NG][Data][x]

Data Min: 00 ~ Max: FF

19. Channel Add/Skip(Command: m b)

▶ To set skip status for the current Programme.

Transmission

[m][b][ ][Set ID][ ][Data][Cr]

Data 00 : Skip 01 : Add

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

*** Real data mapping 1**

00 : Step 0
⋮
A : Step 10 (Set ID 10)
⋮
F : Step 15 (Set ID 15)
10 : Step 16 (Set ID 16)
⋮
64 : Step 100
⋮
6E : Step 110
⋮
73 : Step 115
74 : Step 116
⋮
C7 : Step 199
⋮
FE : Step 254
FF : Step 255

*** Real data mapping 2**

00 :-40
01 :-39
02 :-38
⋮
28 :0
⋮
4E : +38
4F : +39
50 : +40

20. Key(Command: m c)

▶ To send IR remote key code.

Transmission

[m][c][ ][Set ID][ ][Data][Cr]

Data Key code - Refer to page 106.

Ack

[c][ ][Set ID][ ][OK/NG][Data][x]

21. Control Back Light (Command: m g)

▶ To Cont rol t he back light.

Transmission

[m][g][ ][Set ID][ ][Data][Cr]

Data : data Min: 00 ~ Max: 64 (* transmit by Hexadecimal code)

Ack

[g][ ][Set ID][ ][OK/NG][Data][x]

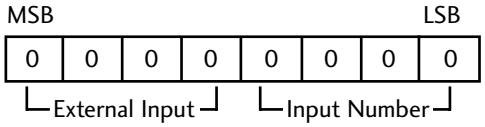
22. Input select (Command: x b) (Main Picture Input)

▶ To select input source for main picture.

Transmission

[x][b][ ][Set ID][ ][Data][Cr]

Data Structure



External Input				Data
0	0	0	0	DTV
0	0	0	1	Analogue
0	0	1	0	AV
0	1	0	0	Component
0	1	0	1	RGB-PC
1	0	0	1	HDMI/DTV-PC

Input Number				Data
0	0	0	0	Input1
0	0	0	1	Input2
0	0	1	0	Input3
0	0	1	1	Input4

Ack

[b][ ][Set ID][ ][OK/NG][Data][x]

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