



LCD TV | PLASMA TV OWNER'S MANUAL

LCD TV MODELS

- 32LG70**
- 37LG70**
- 42LG70**
- 47LG70**
- 52LG70**

PLASMA TV MODELS

- 50PG70**
- 60PG70**

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.



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

- ID Number(s):** 5512: 32LG7000 5245: 50PG7000
5511: 37LG7000 5244: 60PG7000
5510: 42LG7000
5530: 47LG7000
5509: 52LG7000



Statement according to FCC part 15.105**NOTE:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Statement according to FCC part 15.21

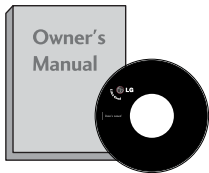
Modifications not expressly approved by Westermo could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

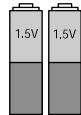
ACCESSORIES

Ensure that the following accessories are included with your TV. If an accessory is missing, please contact the dealer where you purchased the TV.

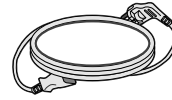
- Image shown may differ from your TV



Owner's Manual



Batteries



Power Cord



Remote Control

This feature is not available for all models.

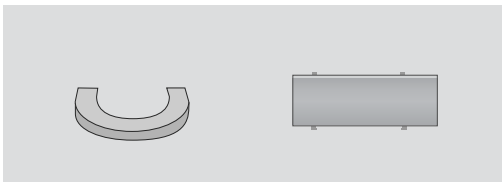


Polishing Cloth
Polishing cloth for use on the screen.

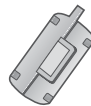
* Lightly wipe any stains or fingerprints on the surface of the TV with the polishing cloth.

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

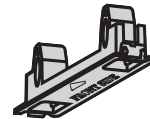
PLASMA TV models



Cable management clip

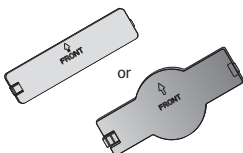


Ferrite core
(Refer to p.10)



Protection cover
(Refer to p.13)

LCD TV models



Protection Cover
(Refer to p.13)

(32/37/42LG70** only)



Bolts for stand assembly
(Refer to p.8)

(32LG70** only)



1-screw for stand fixing
(Refer to p.12)

CONTENTS

ACCESSORIES 1

PREPARATION


Front Panel Controls.....	4
Back Panel Information	6
Stand Installation.....	8
Swivel Stand	8
Please set it up carefully so the product doesn't fall over.....	9
Back Cover for Wire Arrangement	10
Desktop Pedestal Installation	12
Attaching the TV to a desk.....	12
Wall Mount: Horizontal Installation	13
Not Using the desk-type stand.....	13
Antenna Connection.....	14

EXTERNAL EQUIPMENT SETUP

HD Receiver Setup	15
DVD Setup.....	17
VCR Setup.....	20
Insertion of CI Module	22
Digital Audio Out Setup.....	23
Other A/V Source Setup.....	24
Usb in Setup.....	25
PC Setup.....	26
- Screen Setup for PC Mode	29

WATCHING TV / PROGRAMME CONTROL

Remote Control Key Functions	34
Turning on the TV.....	36
Programme Selection	36
Volume Adjustment	36
Quick Menu	37
On-Screen Menus Selection and Adjustment.....	38
Auto Programme Tuning.....	39
Manual Programme Tuning (In Digital Mode)....	40
Manual Programme Tuning (In Analogue Mode) ...	41
Programme Edit	43
Booster.....	46
Software Update.....	47

Diagnostics.....	48
CI Information.....	49
Selecting the Programme Table.....	50
Input List.....	51
 SIMPLINK	52
Input Label.....	54
AV Mode.....	54
Simple manual	55

TO USE THE BLUETOOTH

Precautions when using the Bluetooth	56
Setting the Bluetooth.....	57
Set TV PIN.....	58
Bluetooth headset	
- Connecting a new Bluetooth headset	59
- Connecting to Bluetooth headset already registered.....	59
- Disconnecting the Bluetooth headset during use ...	60
- When requesting to connect to TV from the Bluetooth headset.....	60
Managing Registered Bluetooth device.....	61
My Bluetooth Information.	62
Receiving photos through external Bluetooth device..	63

TO USE THE USB DEVICE

When connecting the USB device.....	64
Photo List	65
Music List.....	69

EPG (ELECTRONIC PROGRAMME GUIDE) (IN DIGITAL MODE)

- Switch on/off EPG	72
- Select Programme	72
- Button Function in NOW/NEXT Guide Mode	73
- Button Function in 8 Day Guide Mode.....	73
- Button Function in Date Change Mode	73
- Button Function in Extended Description Box..	74
- Button Function in Record/Remind Setting Mode.	74
- Button Function in Schedule List Mode	74

PICTURE CONTROL

Picture Size (Aspect Ratio) Control.....	75
Preset Picture Settings	
- Picture Mode-Preset.....	77
- Auto Colour Tone Control (Warm/Medium/Cool).....	78
Manual Picture Adjustment	
- Picture Mode-User option.....	79
-Picture Mode-Expert Control	80
Picture Improvement Technology	81
Advanced - Film Mode/ Real Cinema.....	82
Advanced - Black(Darkness) Level	83
Advanced - Trumotion	84
TruMotion Demo	85
Eye Care.....	86
Picture Reset.....	87
Power Indicator	88
Image Sticking Minimization (ISM) Method.....	89
Power Saving Picture Mode.....	90

SOUND & LANGUAGE CONTROL

Auto Volume Leveler	91
Preset Sound Settings - Sound Mode.....	92
Sound Setting Adjustment -User Mode	93
SRS TruSurround XT	93
Clear Voice.....	94
Balance	95
TV Speakers On/ Off Setup	96
Selecting Digital Audio Out	97
Audio Reset.....	98
I/II	
- Stereo/Dual Reception (In Analogue Mode Only).....	99
- NICAM Reception (In Analogue Mode Only)...	100
- Speaker Sound Output Selection	100
On-Screen Menu Language/Country Selection	101
Language Selection (In Digital Mode only).....	102

TIME SETTING

Clock Setup	103
Auto On/ Off Timer Setting	104
Auto Shut-off Setting	105
Time Zone Setup	106
Sleep Timer Setting	106

PARENTAL CONTROL / RATINGS

Set Password & Lock System.....	107
Block Programme	108
Parental Control	109
Key Lock	110

TELETEXT

Switch on/off.....	111
SIMPLE Text	111
TOP Text	111
FASTEXT	112
Special Teletext Functions	112

DIGITAL TELETEXT

Teletext within Digital Service.....	113
Teletext in Digital Service.....	113

APPENDIX

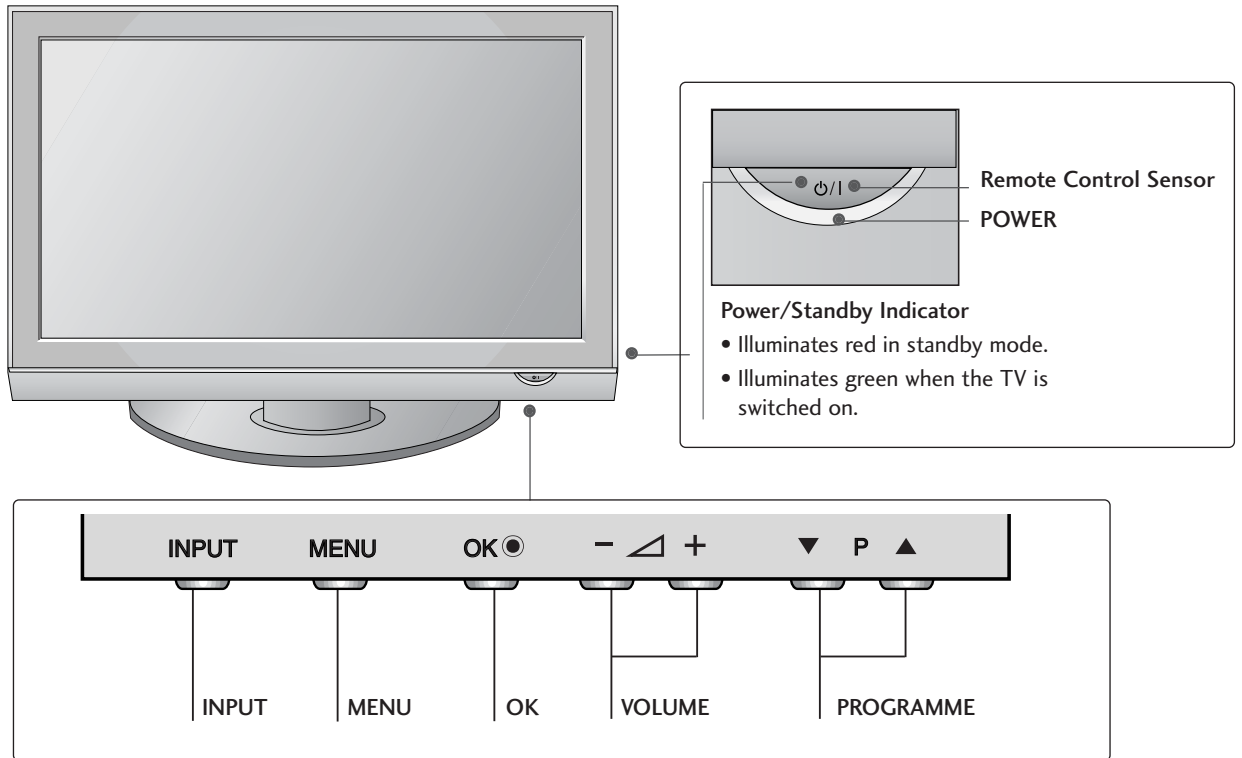
Troubleshooting	114
Maintenance	116
Product Specifications.....	117
Programming the Remote Control	119
IR Codes.....	121
External Control Device Setup	123

PREPARATION

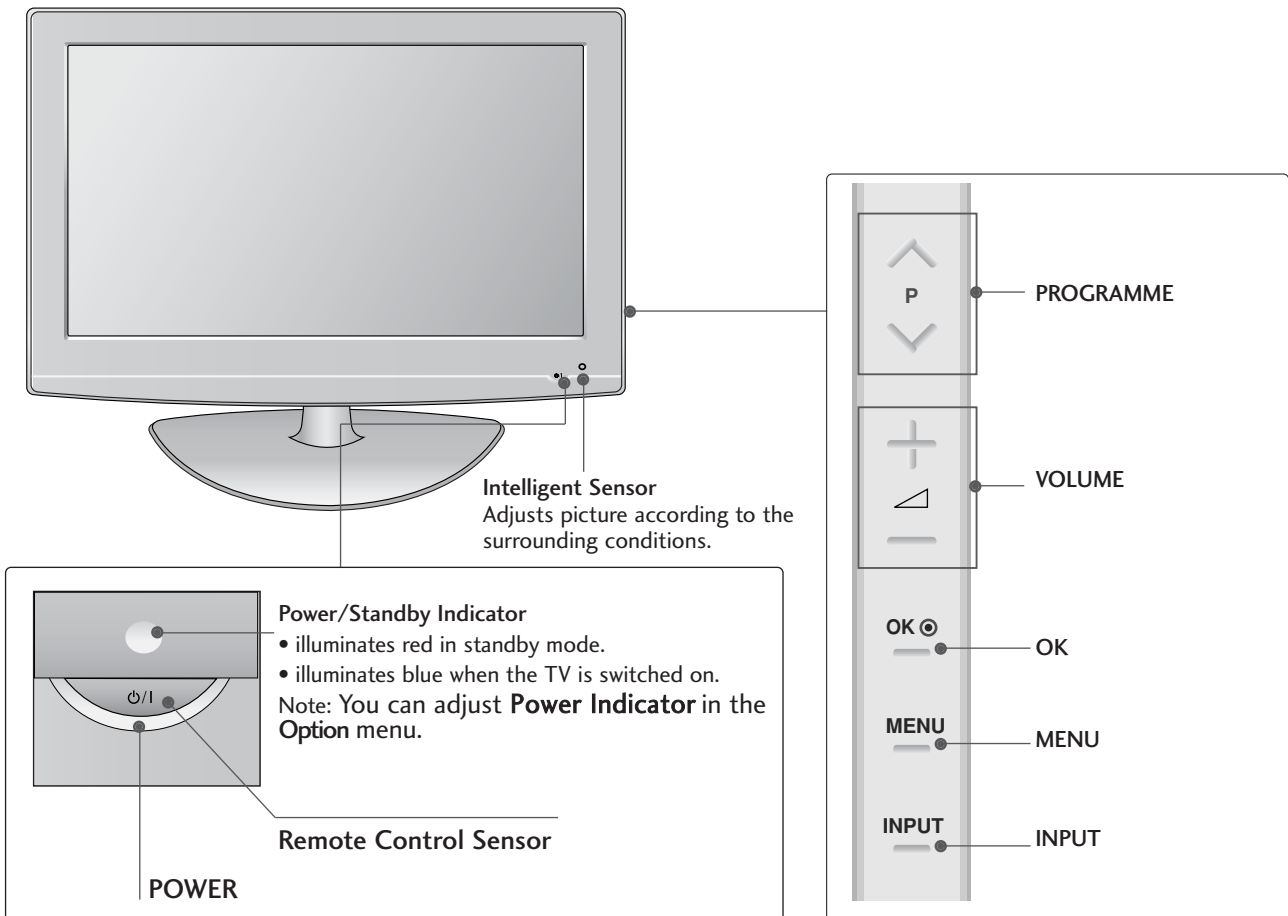
FRONT PANEL CONTROLS

- 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.

Plasma TV Models



LCD TV Models

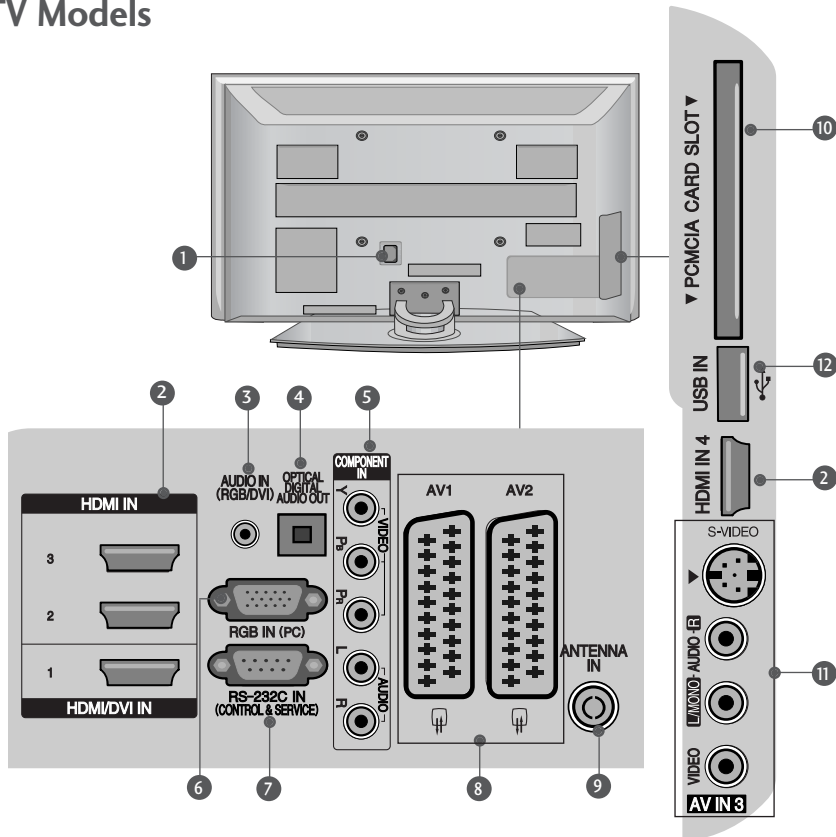


PREPARATION

BACK PANEL INFORMATION

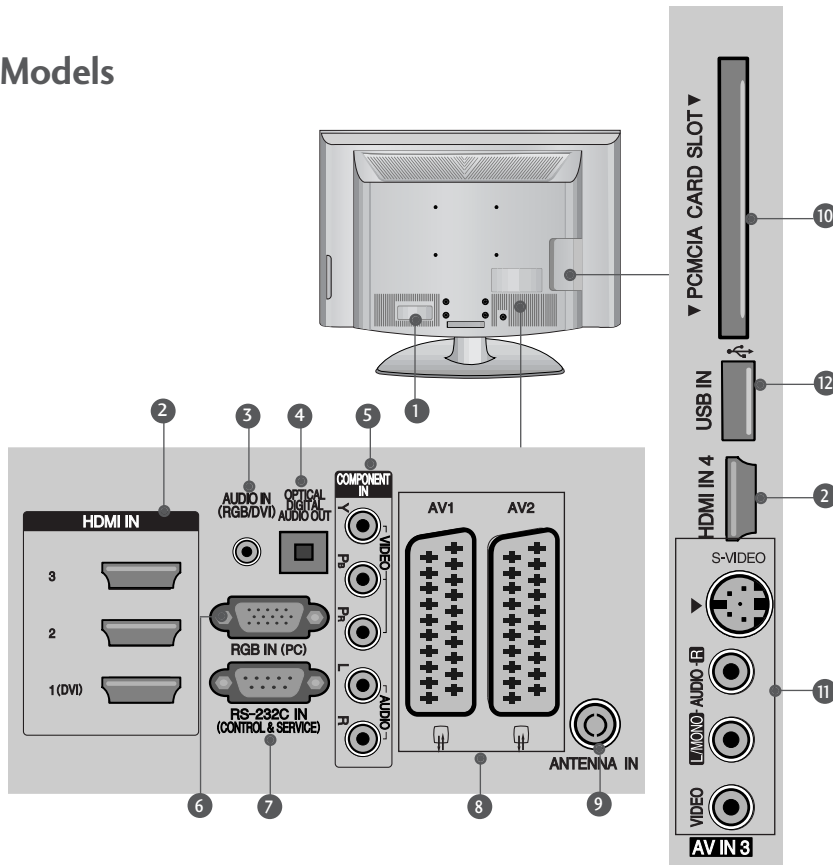
■ Image shown may differ from your TV.

Plasma TV Models



- 1 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.
- 2 HDMI Input**
Connect a HDMI signal to HDMI IN.
Or DVI(VIDEO)signal to HDMI/DVI port with DVI to HDMI cable.
- 3 RGB/DVI Audio Input**
Connect the audio from a PC or DTV.
- 4 OPTICAL DIGITAL AUDIO OUT**
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.
- 5 Component Input**
Connect a component video/audio device to these jacks.
- 6 RGB Input**
Connect the output from a PC.
- 7 RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
- 8 Euro Scart Socket (AV1/AV2)**
Connect scart socket input or output from an external device to these jacks.
- 9 Antenna Input**
Connect RF antenna to this jack.
- 10 PCMCIA (Personal Computer Memory Card International Association) Card Slot**
(This feature is not available in all countries.)
- 11 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.
- 12 USB Input**

LCD TV Models



- 1 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.
- 2 HDMI Input**
Connect a HDMI signal to HDMI IN.
Or DVI(VIDEO)signal to HDMI/DVI port with DVI to HDMI cable.
- 3 RGB/DVI Audio Input**
Connect the audio from a PC or DTV.
- 4 OPTICAL DIGITAL AUDIO OUT**
Connect digital audio from various types of equipment.
Note: In standby mode, these ports do not work.
- 5 Component Input**
Connect a component video/audio device to these jacks.
- 6 RGB Input**
Connect the output from a PC.
- 7 RS-232C IN (CONTROL & SERVICE) PORT**
Connect to the RS-232C port on a PC.
- 8 Euro Scart Socket (AV1/AV2)**
Connect scart socket input or output from an external device to these jacks.
- 9 Antenna Input**
Connect RF antenna to this jack.
- 10 PCMCIA (Personal Computer Memory Card International Association) Card Slot**
(This feature is not available in all countries.)
- 11 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.
- 12 USB Input**

PREPARATION

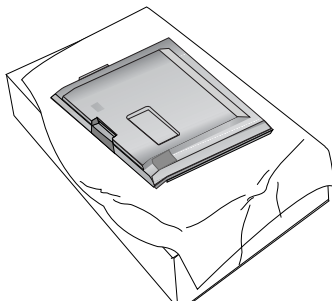
STAND INSTALLATION

■ Image shown may differ from your TV

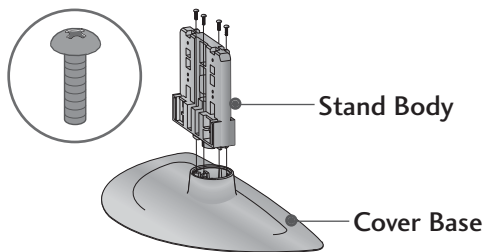
When assembling the desk type stand, check whether the bolt is fully tightened. (If not tightened fully, the product can tilt forward after the product installation.) If you tighten the bolt with excessive force, the bolt can deviate from abrasion of the tightening part of the bolt.

32/37/42LG70 only**

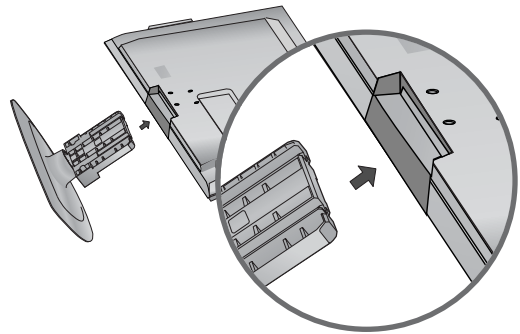
- 1 Carefully place the TV screen side down on a cushioned surface to protect the screen from damage.



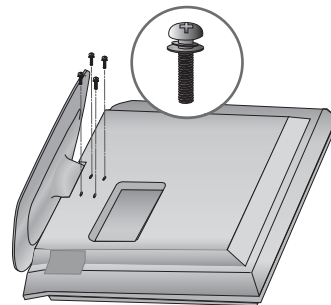
- 2 Assemble the parts of the **Stand Body** with the **Cover Base** of the TV.



- 3 Assemble the TV as shown.

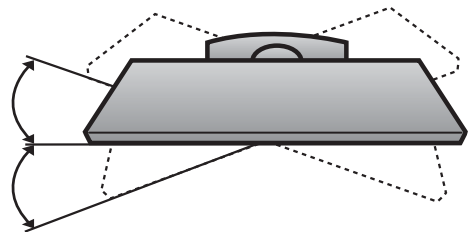


- 4 Fix the 4 bolts securely using the holes in the back of the TV.



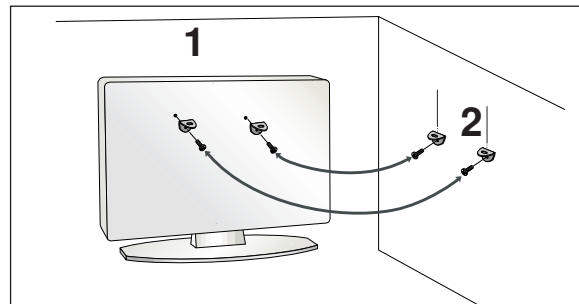
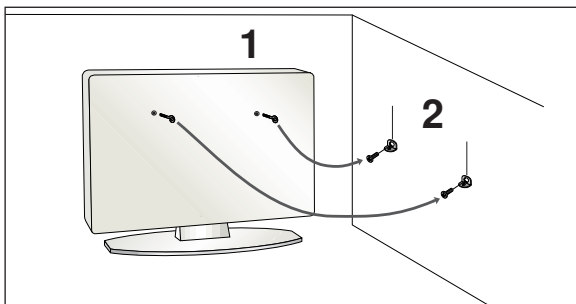
SWIVEL STAND

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.

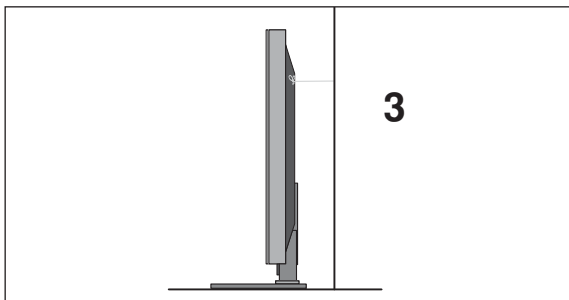


PLEASE SET IT UP CAREFULLY SO THE PRODUCT DOESN'T FALL OVER.

- 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.

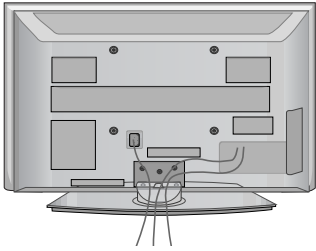
PREPARATION

BACK COVER FOR WIRE ARRANGEMENT

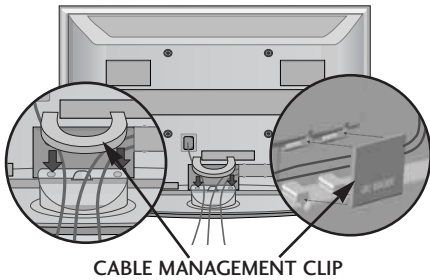
■ Image shown may differ from your TV.

Plasma TV models

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

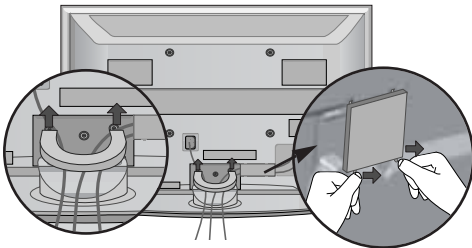


- 2 Install the **CABLE MANAGEMENT CLIP** as shown.



How to remove the cable management clip

Hold the **CABLE MANAGEMENT CLIP** with both hands and pull it upward.



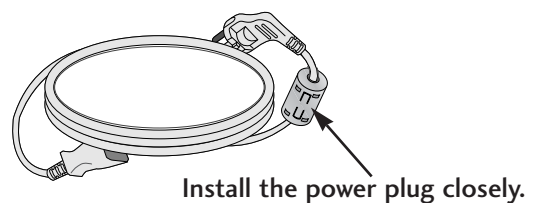
Separate **CABLE MANAGEMENT** from TV by pressing two latches.

! NOTE

- ▶ Do not use the **CABLE MANAGEMENT CLIP** to lift the TV.
- If the TV is dropped, you may be injured or the TV may be damaged.

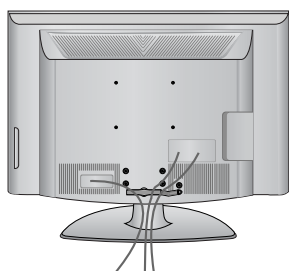
Use of ferrite core (50/60PG70** Only)

Ferrite core can be used to reduce the electromagnetic wave when connecting the power cord.
The closer the location of the ferrite core to the power plug, the better it is.

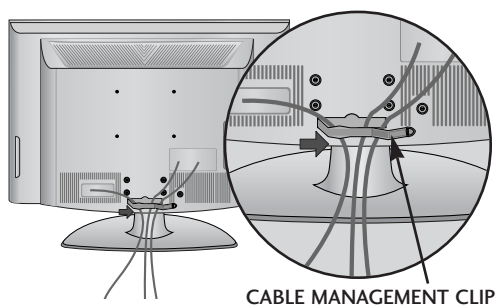


LCD TV models

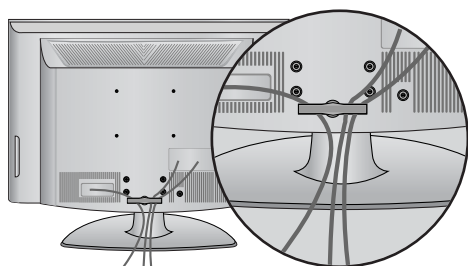
- 1 Connect the cables as necessary.
To connect additional equipment, see the **External Equipment Setup** section of the manual.



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



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



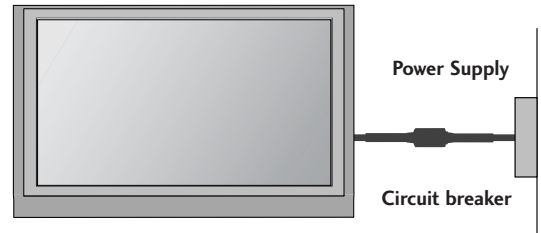
PREPARATION

- 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

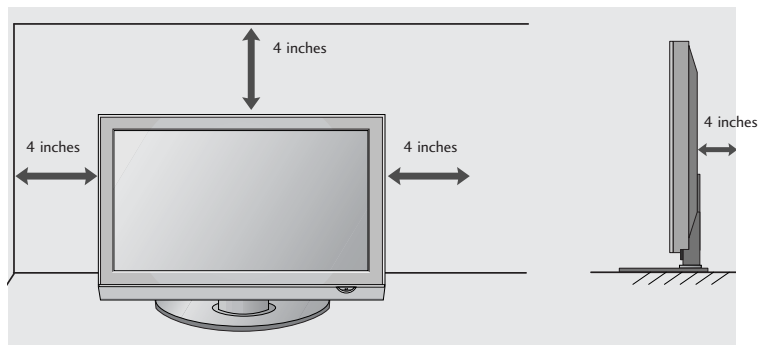
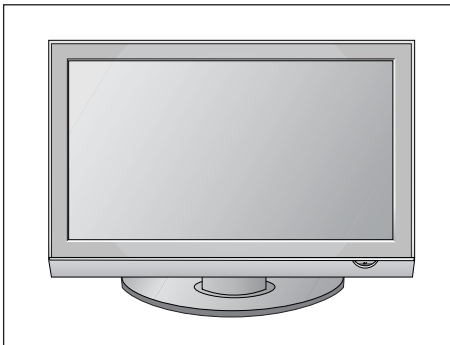
Ensure that you connect the earth wire to prevent possible electric shock. If grounding methods are not possible, have a qualified electrician install a separate circuit breaker.

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



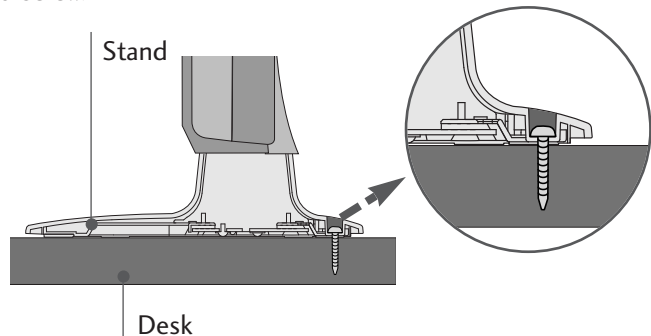
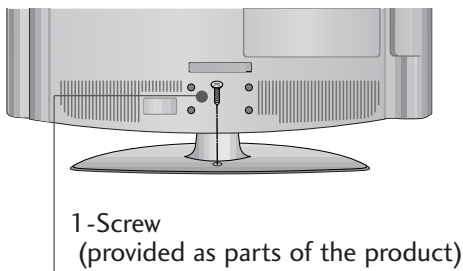
DESKTOP PEDESTAL INSTALLATION

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



ATTACHING THE TV TO A DESK (32LG70** only)

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.

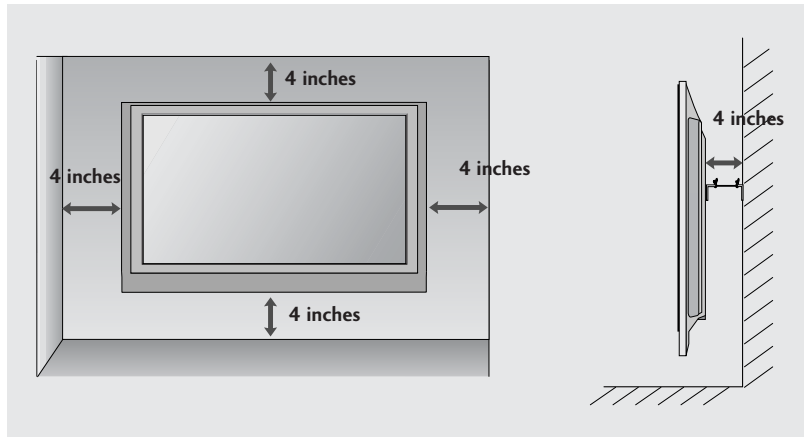
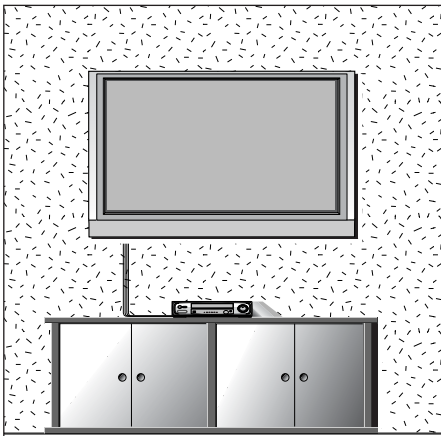


! WARNING

- ▶ 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.

WALL MOUNT: HORIZONTAL INSTALLATION

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

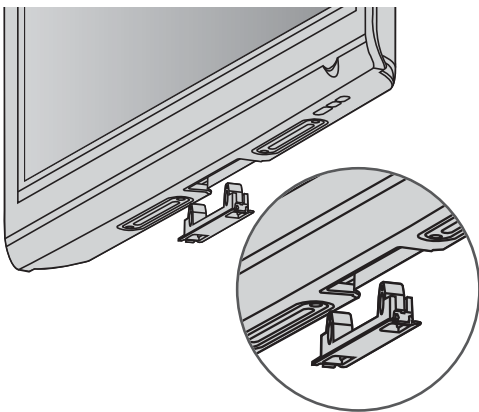


NOT USING THE DESK-TYPE STAND

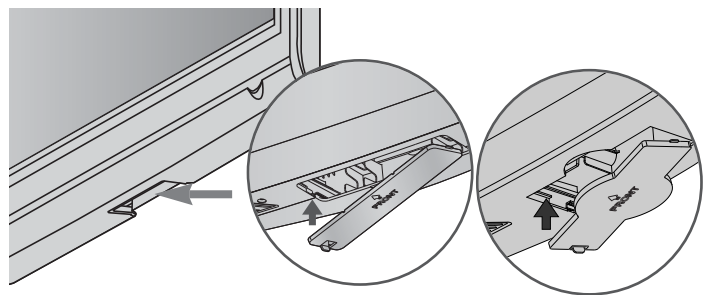
■ Image shown may differ from your TV.

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

Plasma TV models



LCD TV models



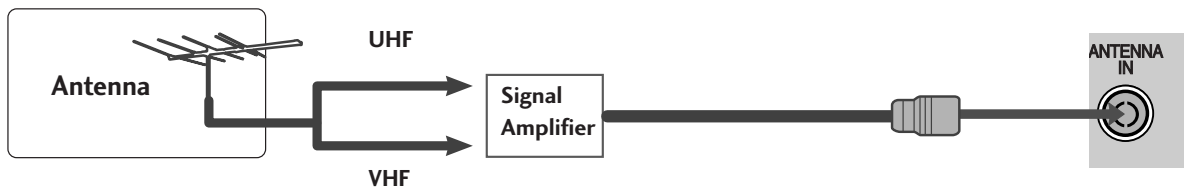
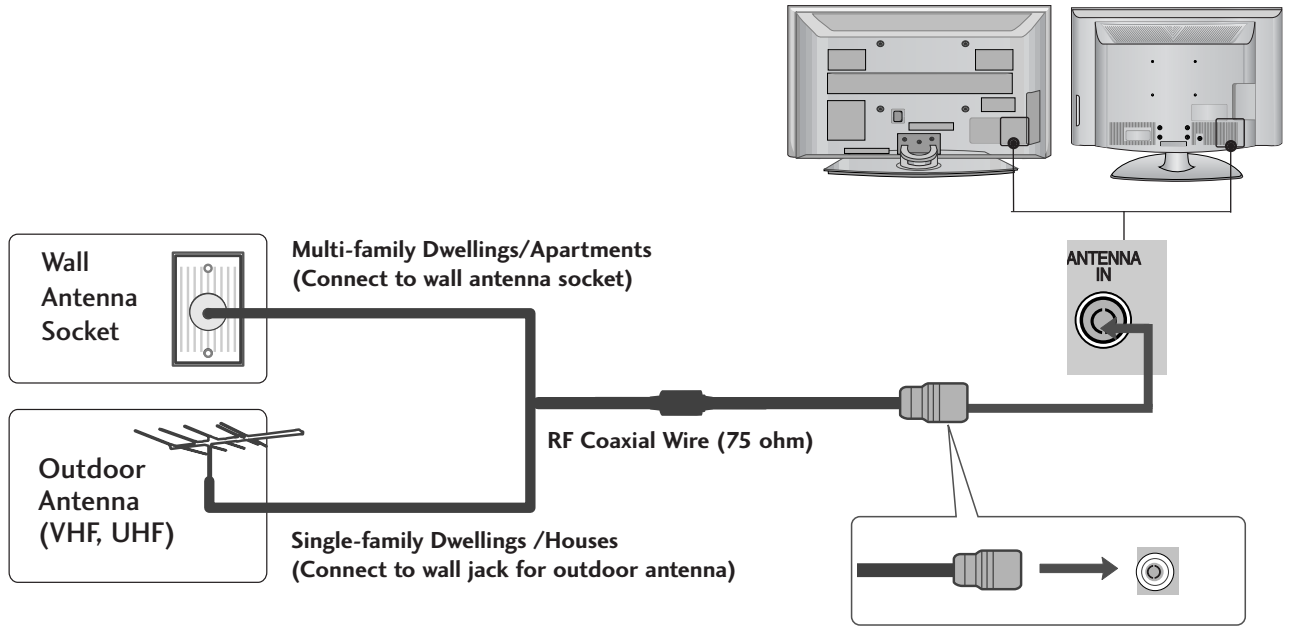
Insert the **PROTECTION COVER** into the TV until clicking sound.

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

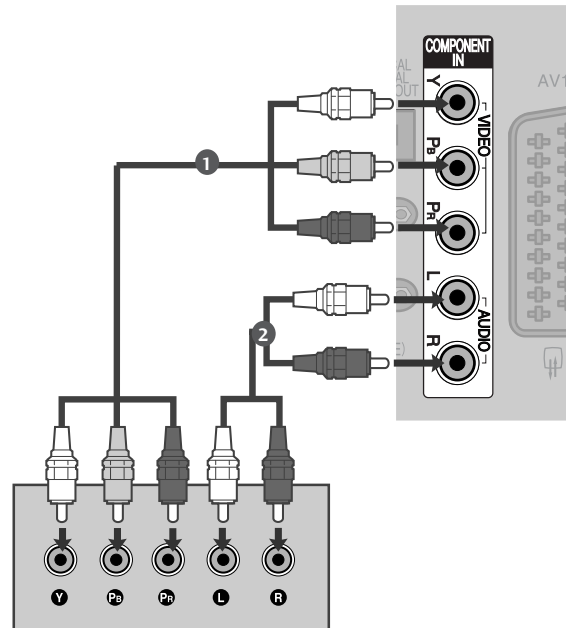
- To avoid damaging any equipment, never plug in any power cords until you have finished connecting all equipment.
- This section on EXTERNAL EQUIPMENT SETUP mainly uses diagrams for the 50PG70** models.
- Image shown may differ from your TV.

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 **Component** input source using the **INPUT** button on the remote control.

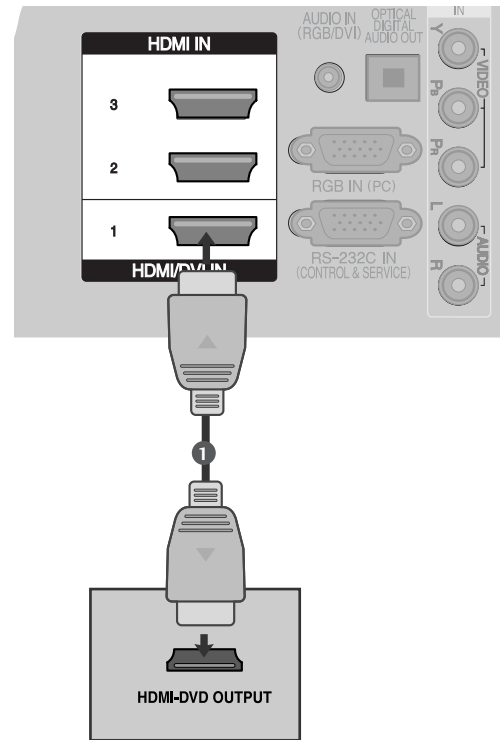


Signal	Component	HDMI
480i/576i	Yes	No
480p/576p	Yes	Yes
720p/1080i	Yes	Yes
1080p	Yes (50/60Hz only)	Yes (24Hz/30Hz/50Hz/60Hz)

EXTERNAL EQUIPMENT SETUP

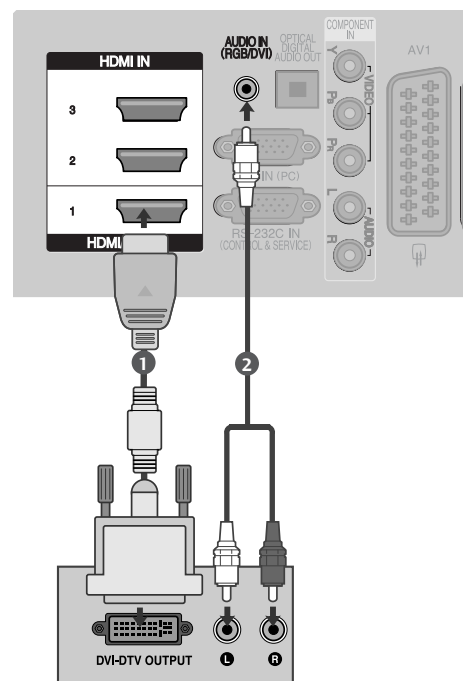
Connecting a set-top box with an HDMI cable

- 1 Connect the digital set-top box to **HDMI/DVI IN 1**, **HDMI IN 2**, **HDMI IN 3** or **HDMI IN 4** 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** input source using the **INPUT** button on the remote control.



Connecting with an HDMI to DVI cable

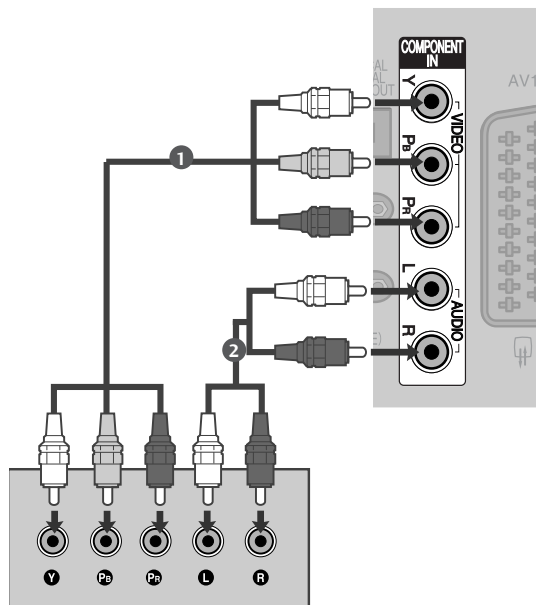
- 1 Connect the digital set-top box to **HDMI/DVI IN 1** jack on the TV.
- 2 Connect the audio output of the digital set-top box to the **AUDIO IN (RGB/DVI)** jack on the TV.
- 3 Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
- 4 Select **HDMI1** input source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



DVD SETUP

Connecting with a component cable

- 1 Connect the video outputs (Y, P_B, P_R) 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 **Component** input source using the **INPUT** button on the remote control.
- 5 Refer to the DVD player's manual for operating instructions.



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	P _B	P _R
Video output ports on DVD player	Y	P _B	P _R
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	Pb	Pr

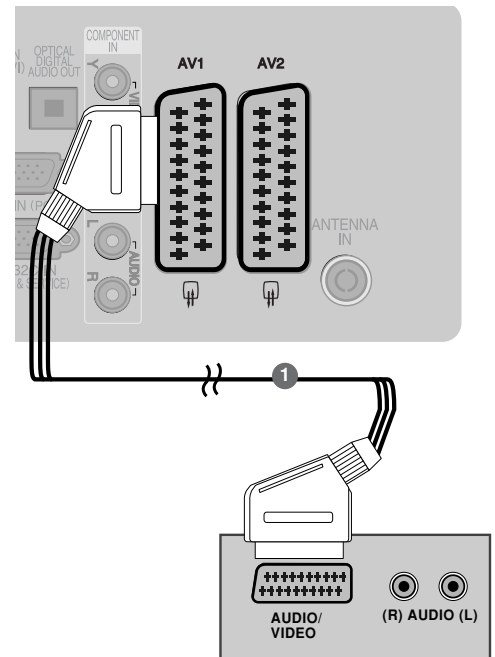
EXTERNAL EQUIPMENT SETUP

Connecting with a Euro Scart cable

- 1 Connect the Euro scart socket of the DVD to the **AV1** Euro scart socket on the TV.
- 2 Turn on the DVD player, insert a DVD.
- 3 Select **AV1** input source using the **INPUT** button on the remote control.
If connected to **AV2** Euro scart socket, select **AV2** input source.
- 4 Refer to the DVD player's manual for operating instructions.

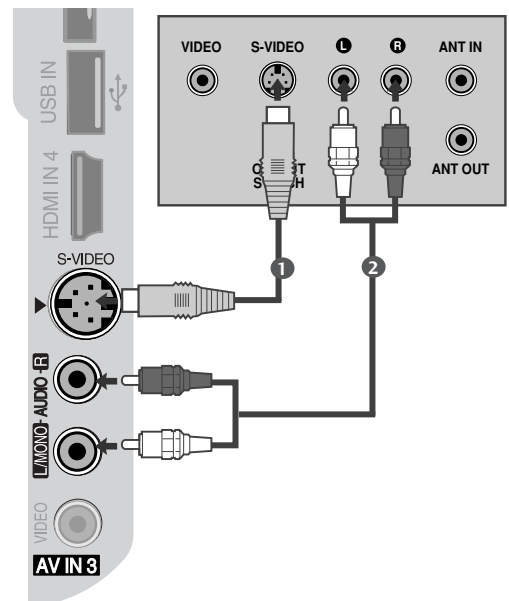
! NOTE

- ▶ Any Euro scart cable used must be signal shielded.



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 **AV3** input source using the **INPUT** button on the remote control.
- 5 Refer to the DVD player's manual for operating instructions.

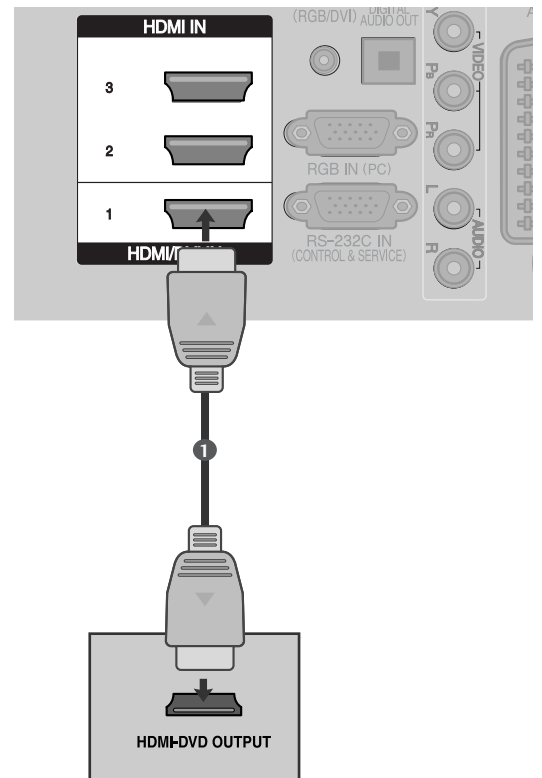


Connecting the HDMI cable

- 1 Connect the HDMI output of the DVD to the **HDMI/DVI IN 1, HDMI IN 2, HDMI IN 3** or **HDMI IN 4** jack on the TV.
- 2 Select **HDMI1, HDMI2, HDMI3** or **HDMI4** 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.

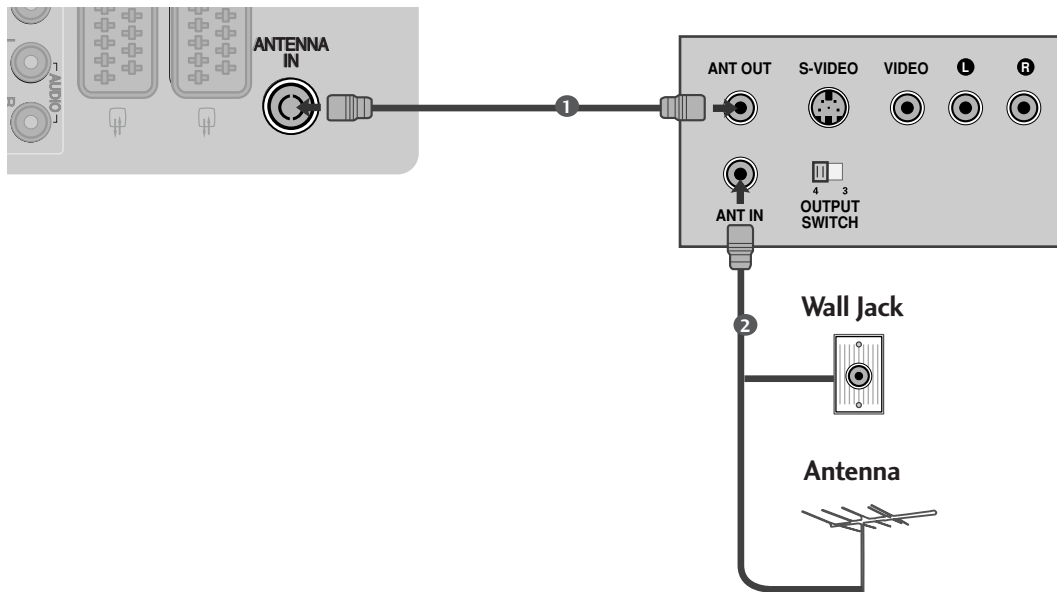


EXTERNAL EQUIPMENT SETUP

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.

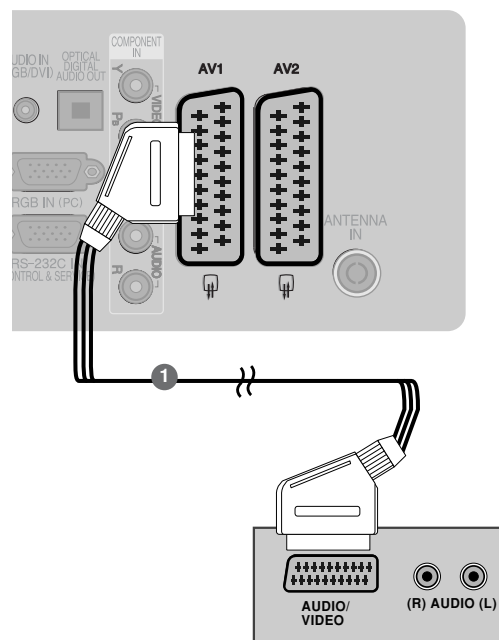
Connecting with a RF Cable



- 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.
.....

Connecting with a Euro Scart cable

- 1 Connect the Euro scart socket of the VCR to the **AV1** Euro scart socket on the TV.
- 2 Insert a video tape into the VCR and press **PLAY** on the VCR. (Refer to the VCR owner's manual.)
- 3 Select **AV1** input source using the **INPUT** button on the remote control.
- 4 If connected to **AV2** Euro scart socket, select **AV2** input source.

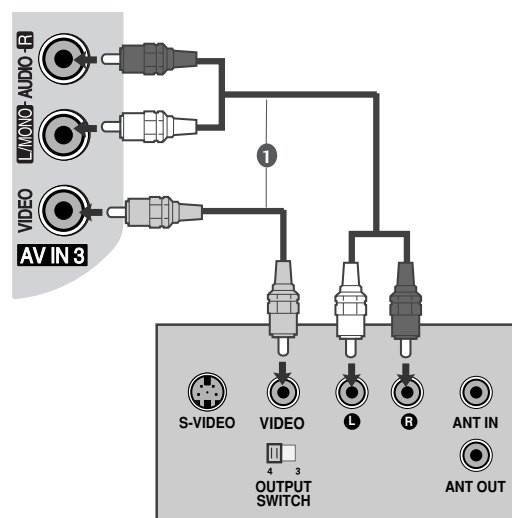


! NOTE

- ▶ Any Euro Scart cable used must be signal shielded.

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 **AV3** 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.

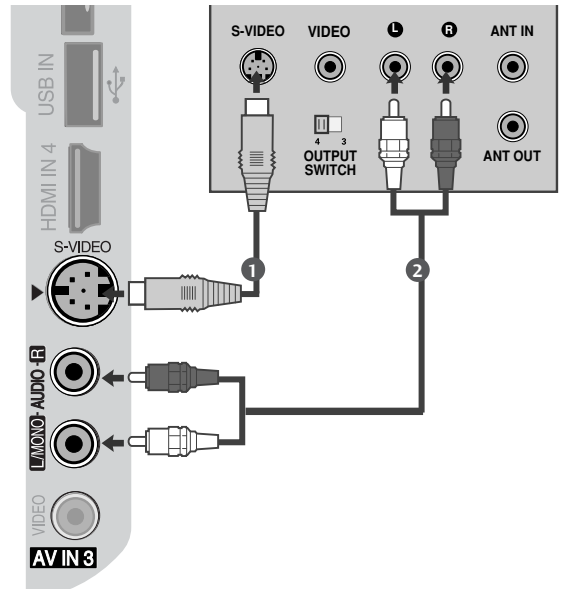
EXTERNAL EQUIPMENT SETUP

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 **AV3** 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.

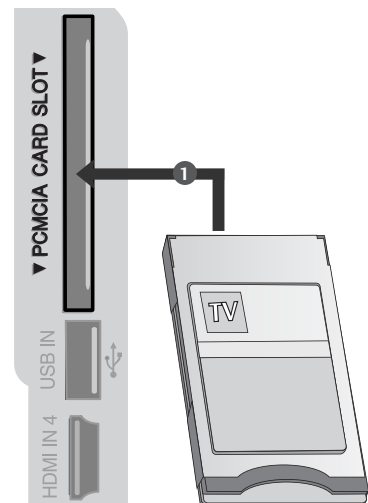


INSERTION OF CI MODULE

- To view the encrypted (pay) services in digital TV mode.
- This feature is not available in all countries.

- 1 Insert the CI Module to **PCMCIA** (Personal Computer Memory Card International Association) **CARD SLOT** of TV as shown.

For further information, see p.49.



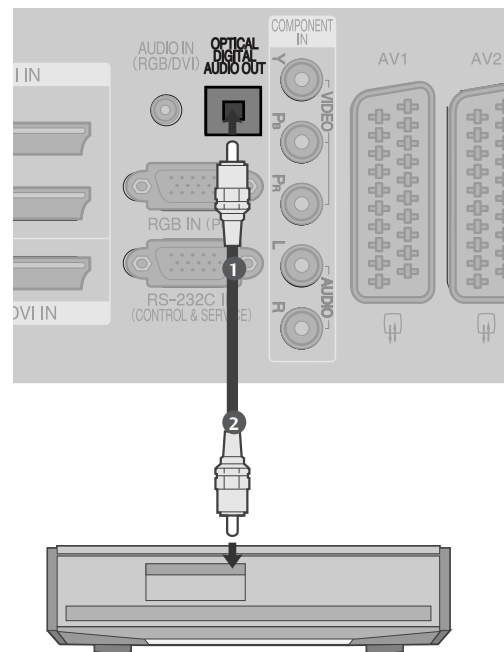
DIGITAL AUDIO OUT SETUP

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.96). Refer to the external audio equipment instruction manual for operation.

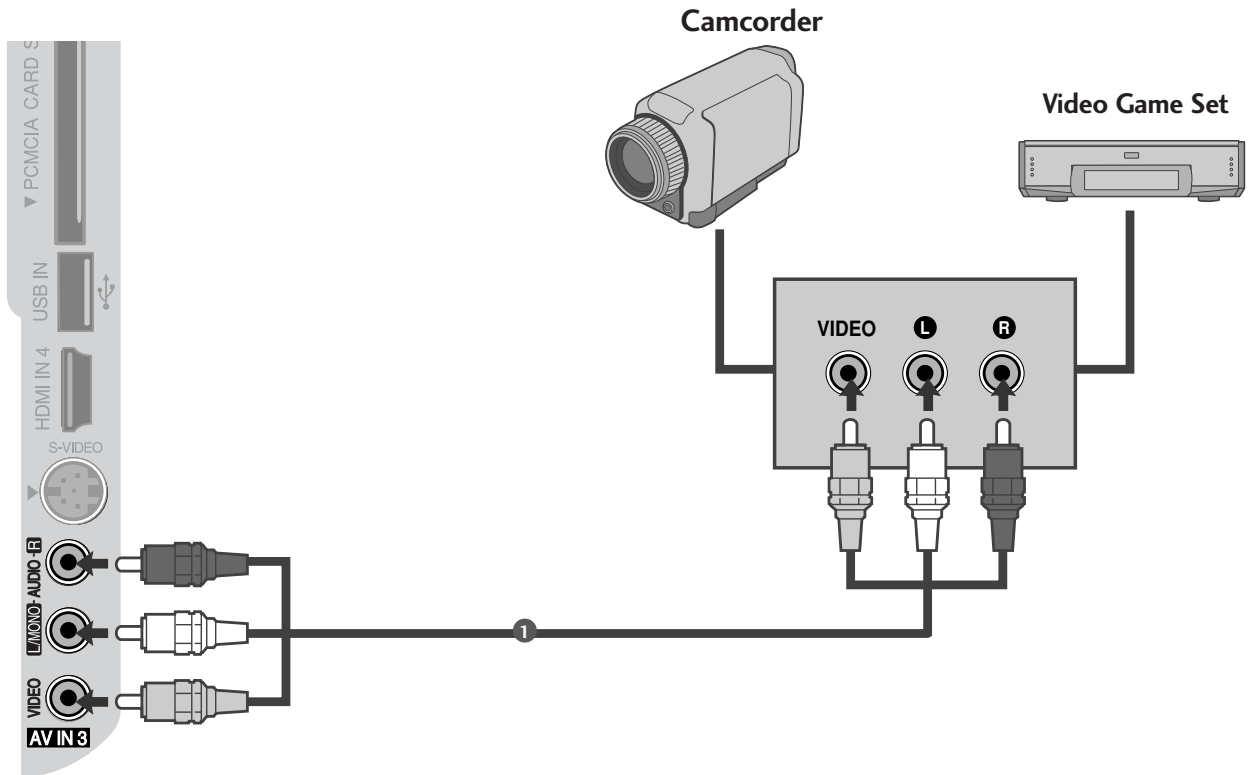
⚠ CAUTION

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



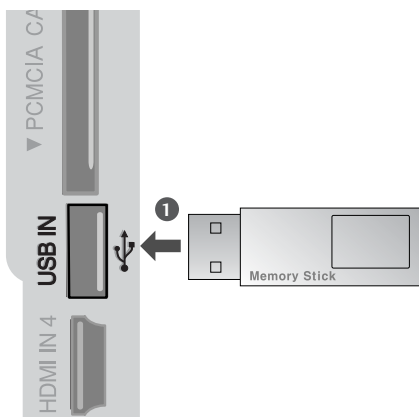
EXTERNAL EQUIPMENT SETUP

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 **AV3** 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



-
- 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.64)
-

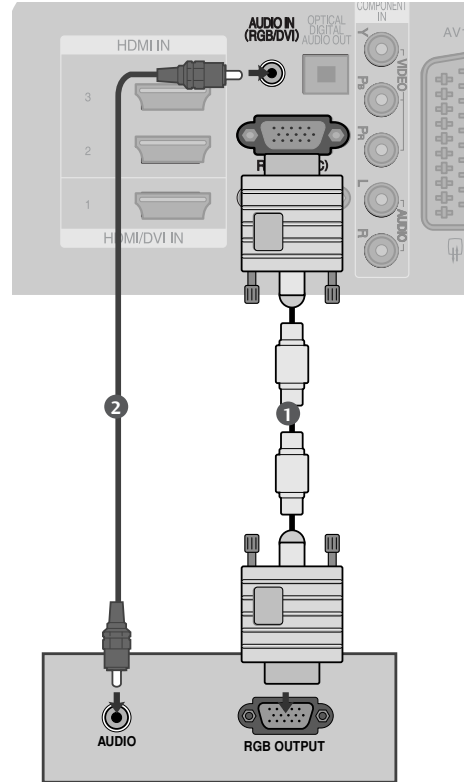
EXTERNAL EQUIPMENT SETUP

PC SETUP

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

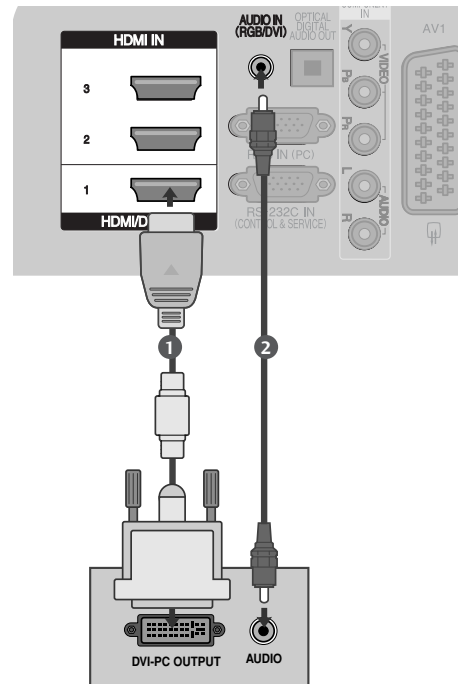
Connecting with a D-sub 15 pin cable

- 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 IN (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.



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 IN (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.



Supported Display Resolution

Plasma TV Models

RGB-PC, HDMI/DVI-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
1280x768	47.78	59.87
1360x768	47.72	59.80
1920x1080	66.587	59.934
1280x1024	63.98	60.02
1400x1050	65.317	59.979

HDMI/DVI-DTV mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
640x480	31.649	59.94
	31.469	60
720x480	31.47	59.94
	31.50	60
720x576	31.25	50.00
	37.50	50.00
1280x720	44.96	59.94
	45.00	60
	28.125	50.00
	33.72	59.94
	33.75	60
	27.00	24.00
	33.750	30
	56.25	50.00
	67.433	59.94
	67.50	60

LCD TV Models

RGB-PC, HDMI/DVI-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
1280x768	47.78	59.87
1360x768	47.72	59.80
1920x1080	66.587	59.934
1280x1024	63.98	60.02
1400x1050	65.317	59.979

HDMI/DVI-DTV mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
640x480	31.649	59.94
	31.469	60
720x480	31.47	59.94
	31.50	60
720x576	31.25	50.00
	37.50	50.00
1280x720	44.96	50.94
	45.00	60
1920x1080	28.125	50.00
	33.72	59.94
	33.75	60
	27.00	24.00
	33.750	30
	56.25	50.00
	67.433	59.94
	67.50	60

EXTERNAL EQUIPMENT SETUP

! NOTE

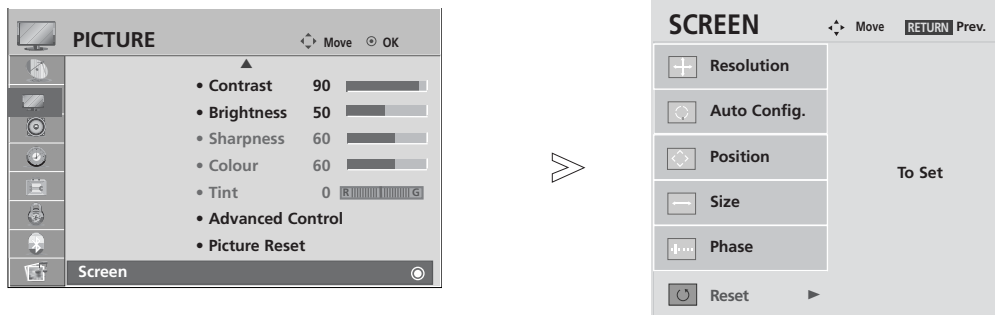
- ▶ To enjoy vivid picture and sound, connect a PC to the TV.
- ▶ Avoid keeping a fixed image on the set's screen for prolonged periods of time. The fixed image may become permanently imprinted on the screen; use a screen saver when possible.
- ▶ Connect the PC to the RGB (PC) or HDMI IN (or HDMI/DVI 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 (Analog 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 analog 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.
- ▶ If connected HDMI(1080p, over 12bit) to HDMI jack on the side, screen may abnormal.










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   Select **PICTURE**.
- 2   Select **SCREEN**.
- 3   Select **Reset**.
- 4   Select **Yes**.
- 5  Run **Reset**.

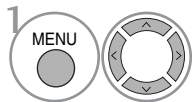
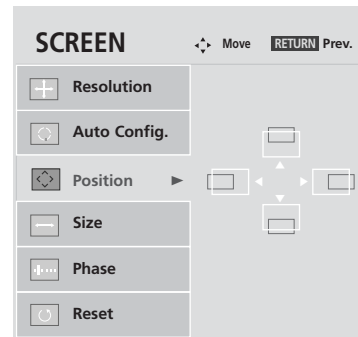
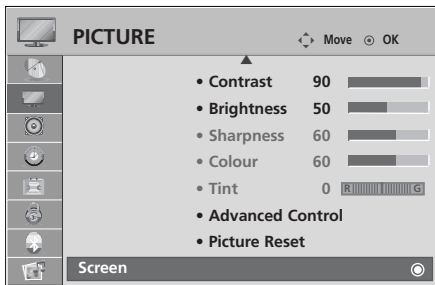
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

EXTERNAL EQUIPMENT SETUP

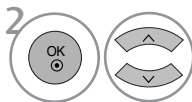
Adjustment for screen Position, Size, Phase

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

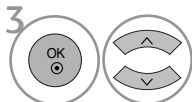
This function works in the following mode : RGB[PC].



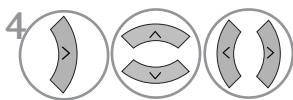
1 Select **PICTURE**.



2 Select **SCREEN**.



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



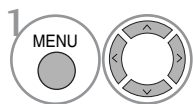
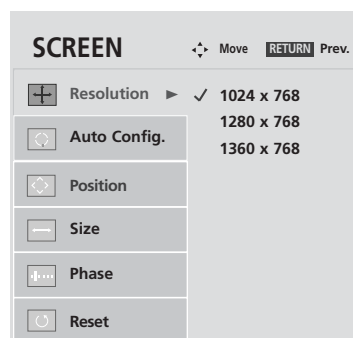
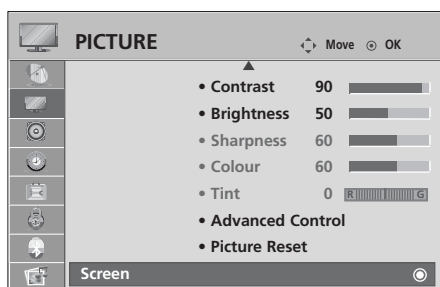
4 Make appropriate adjustments.

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

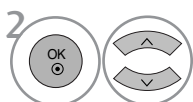
Selecting Resolution

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

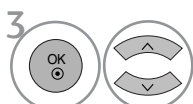
This function works in the following mode: RGB[PC]



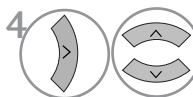
1 Select **PICTURE**.



2 Select **SCREEN**.



3 Select **Resolution**.



4 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.

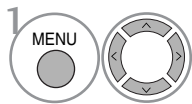
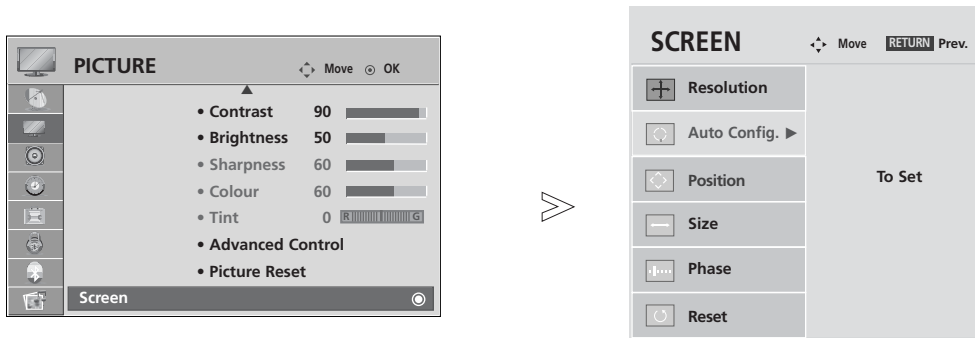
EXTERNAL EQUIPMENT SETUP

Auto Configure (RGB [PC] mode only)

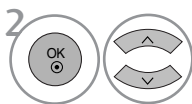
Automatically adjusts picture position and minimizes image instability. After adjustment, if the image is still not correct, your TV is functioning properly but needs further adjustment.

Auto configure

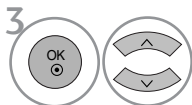
This function is for automatic adjustment of the screen position, clock, and phase. The displayed image will be unstable for a few seconds while the auto configuration is in progress.



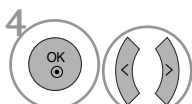
Select **PICTURE**.



Select **SCREEN**.



Select **Auto Config..**



Select **Yes**.



Run **Auto Config..**

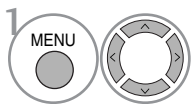
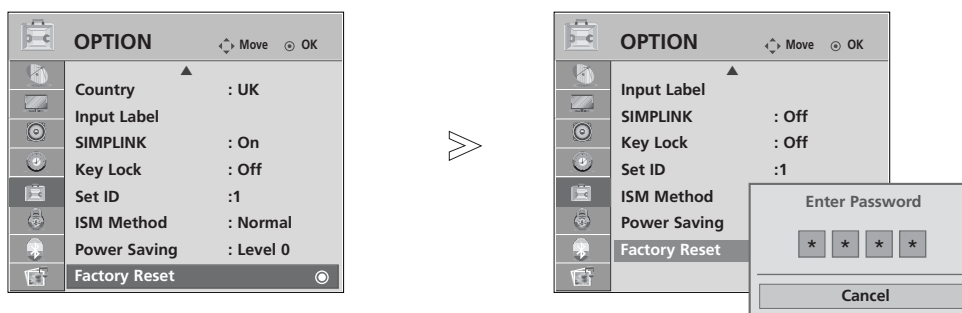
- If the position of the image is still not correct, try Auto adjustment again.
- If picture needs to be adjusted again after Auto adjustment in RGB (PC), you can adjust the **Position, Size or Phase**.

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

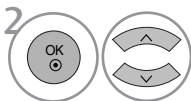
Initializing (Reset to original factory settings)

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. (Aspect Ratio, Power Saving(Plasma TV models), Backlight(LCD TV models), Clear Voice, Picture Mode, Sound Mode, Audio, Sleep Timer, USB Eject.)

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

GUIDE Shows programme schedule.

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

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 / control buttons Controls SIMPLINK or USB menu(Photo List and Music USB Menu 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 ϕ / I, INPUT or P ▲ ▼ (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 **Language, Select Mode, Country, 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.
- f. The mode (Home, In Store) can be changed by executing Factory Reset in the OPTION menu.
- g. "In store" Mode is an optimal setting for displaying at stores. "In-Store" mode initializes the TV to set the image quality and operates "TruMotion Demo" after a certain period of time.(37/42/47/52LG70** only.)

PROGRAMME SELECTION

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

VOLUME ADJUSTMENT

- 1 Press the \triangle + or - button to adjust the volume.

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

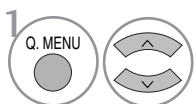
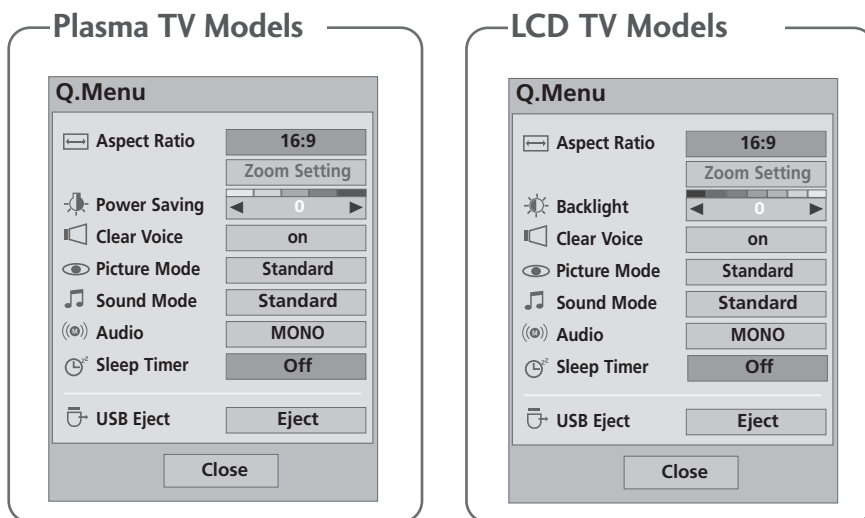
You can cancel this function by pressing the MUTE, \triangle + or - button.

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.
- **Power Saving** (Plasma TV Only): Adjusts screen brightness to reduce the power consumption of the TV.
- **Backlight** (LCD TV Only): Adjusts screen brightness. It returns to the default settings brightness by changing mode source.
- **Clear Voice** : By differentiating the human sound range from others, it helps users listen to human voices better.
- **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.



Display each menu.



Select your desired Source.

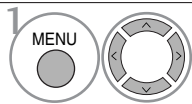
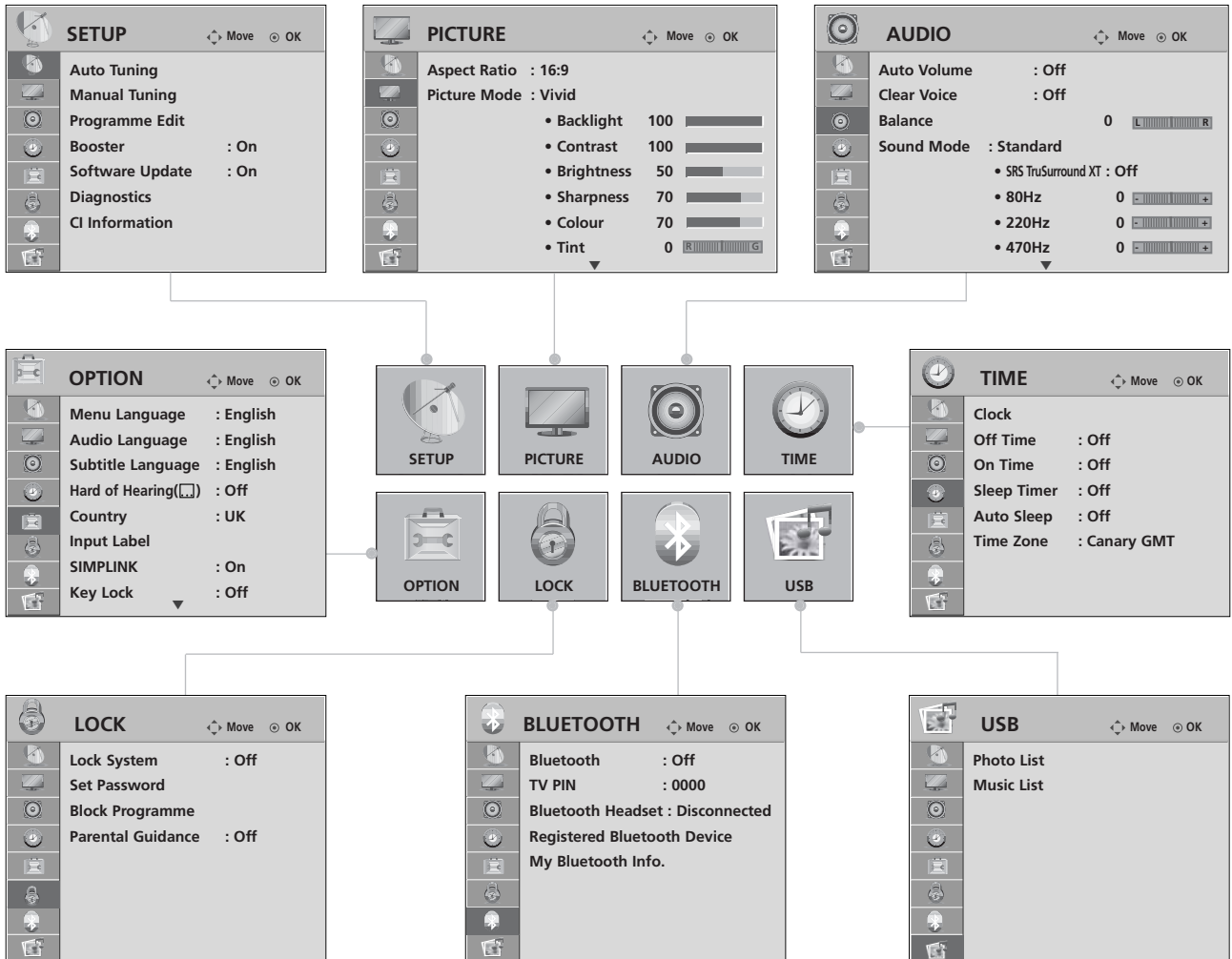


- Press the **Q.MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

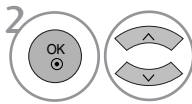
WATCHING TV / PROGRAMME CONTROL

ON SCREEN MENUS SELECTION AND ADJUSTMENT

Your TV's OSD (On Screen Display) may differ slightly from that shown in this manual.



1 Display each menu.



2 Select a menu item.



3 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.

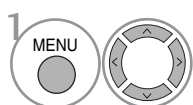
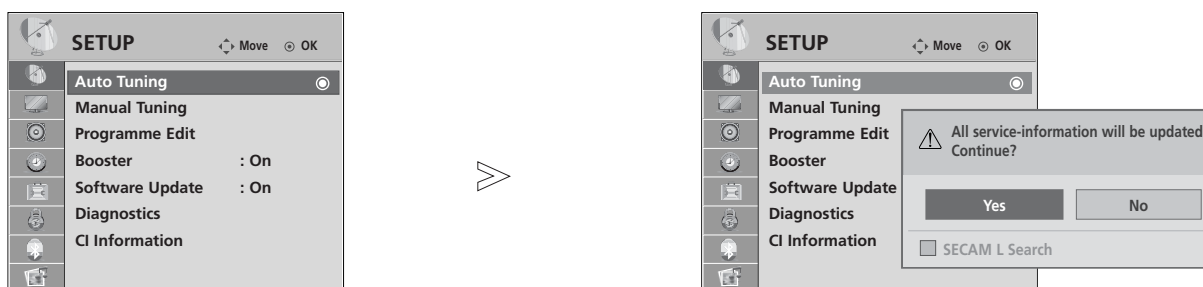
NOTE

- ▶ It is possible to use **ISM Method** and **Power Saving** in Plasma TV models only.
- ▶ It is possible to use **Backlight**, **Power Indicator**, **TruMotion**, **TruMotion Demo**, **Simple Manual** in LCD TV models only.
- ▶ It is possible to use **TruMotion**, **TruMotion Demo** in 37/42/47/52LG70** models only.
- ▶ It is not possible to use **CI Information** and **Booster** in Analogue mode.

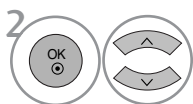
AUTO PROGRAMME TUNING

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**.

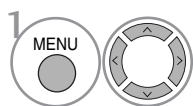
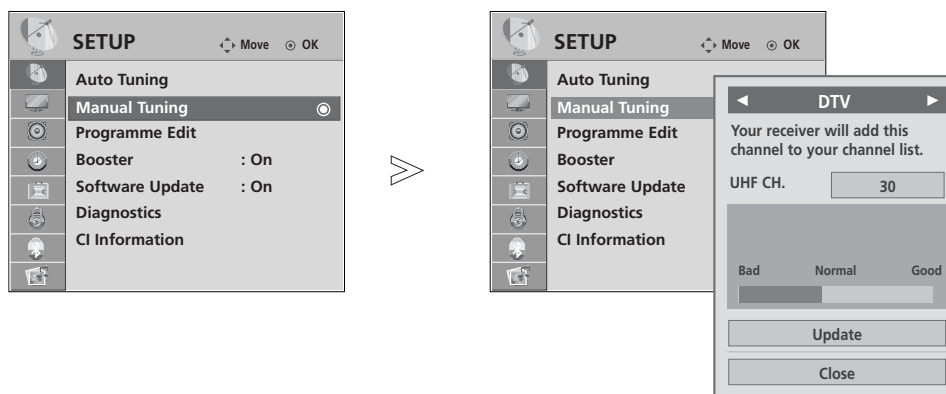
- Use **NUMBER** buttons to input a 4-digit password in **Lock System 'On'**.
- If you wish to keep on auto tuning select **YES** using the **< >** button. Then, press the **OK** button. Otherwise select **NO**.

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

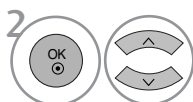
WATCHING TV / PROGRAMME CONTROL

MANUAL PROGRAMME TUNING (IN DIGITAL MODE)

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



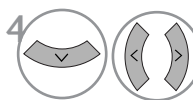
Select **SETUP**.



Select **Manual Tuning**.



Select **DTV**.



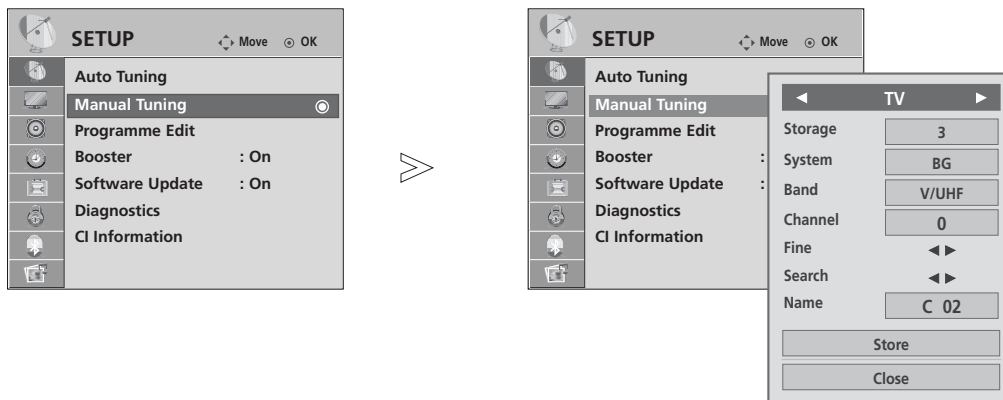
Select the desired channel number.

• 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.

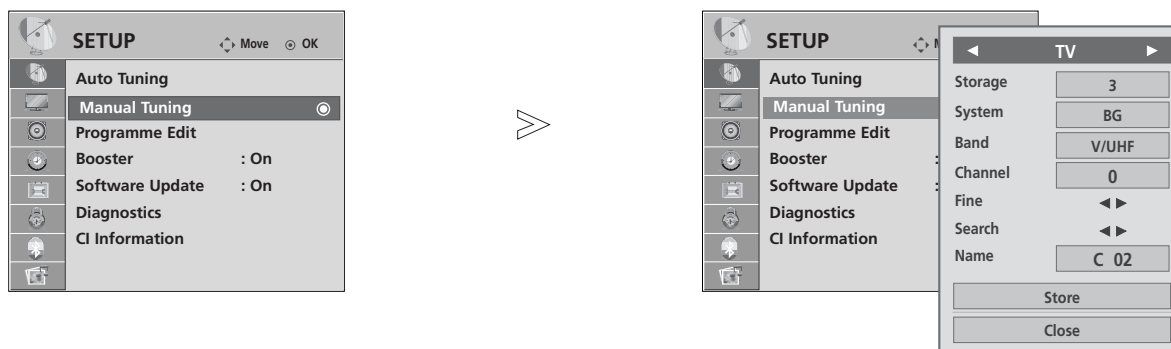


- 1 Select **SETUP**.
- 2 Select **Manual Tuning**.
- 3 Select **TV**.
- 4 or Select the desired programme number on.
- 5 Select a TV system.
- 6 Select **V/UHF** or **Cable**.
- 7 or Select the desired channel number.
- 8 Commence searching.
- 9 Select **Store**

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



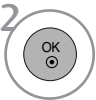
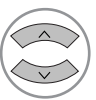
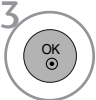
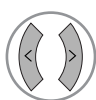


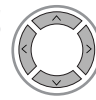





- Use **NUMBER** buttons to input a 4-digit password in **Lock System 'On'**.
- **L** : SECAM L/L' (France)
- **BG** : PAL B/G, SECAM B/G (Europe / East Europe / Asia / New Zealand / M.East / Africa / Australia)
- **I** : PAL I/II (U.K. / Ireland / Hong Kong / South Africa)
- **DK** : PAL D/K, SECAM D/K (East Europe / China / Africa / CIS)
- To store another channel, repeat steps 4 to 9.

WATCHING TV / PROGRAMME CONTROL







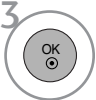
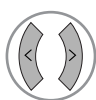




■ Assigning a station name

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 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.

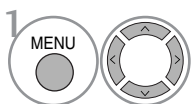
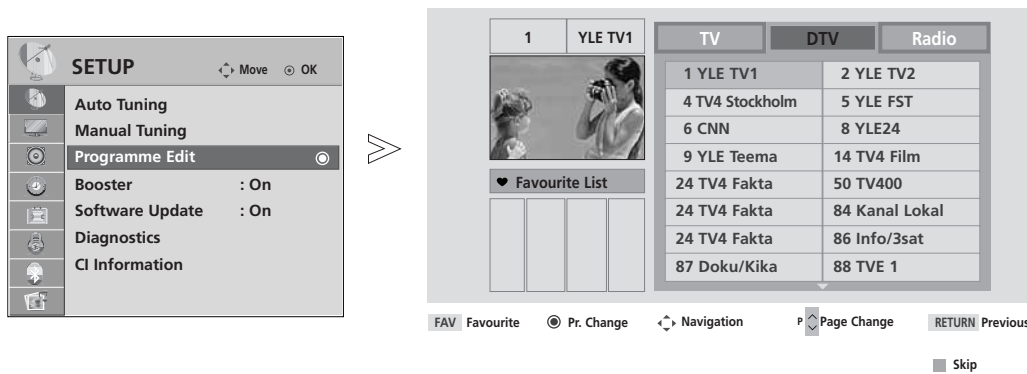
PROGRAMME EDIT

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

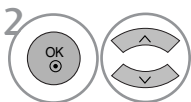
If you wish to select the skipped programme, directly enter the programme number with the **NUMBER** buttons or select it in the Programme edit menu.

This function enables you to skip the stored programmes.

In some countries it is possible to move a programme number by using the **YELLOW** button only.



Select **SETUP**.



Select **Programme Edit**.



Enter the **Programme Edit**.



Select a programme to be stored or skipped.

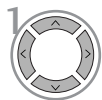
• Use **NUMBER** buttons to input a 4-digit password in **Lock System 'On'**.

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

WATCHING TV / PROGRAMME CONTROL

(IN DTV/RADIO MODE)

■ Skipping a programme number



1 Select a programme number to be skipped.



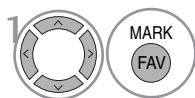
2 Turn the skipped programme number to blue.



3 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** ^ v 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.

■ Auto Sort

- 1  **GREEN** Start Auto Sort.





- After activating Auto Sort once, you can no longer edit programmes.

■ 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

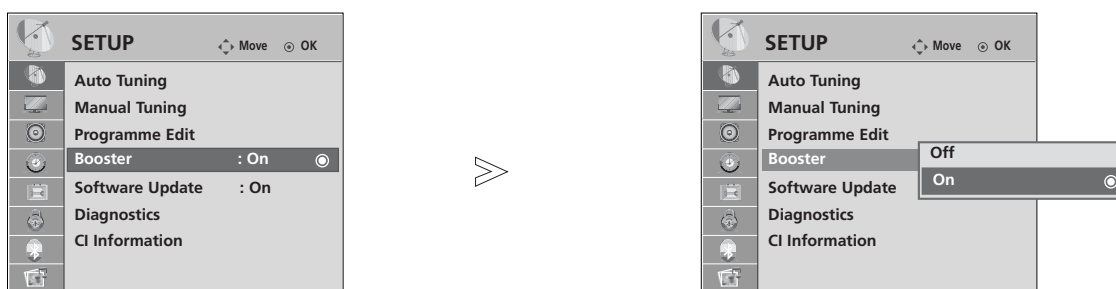
- 1   **MARK FAV** Select your favourite programme number.


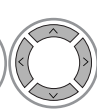

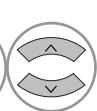



- The selected programme will be added to the favourite programme list.

WATCHING TV / PROGRAMME CONTROL

BOOSTER (IN DIGITAL MODE)

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

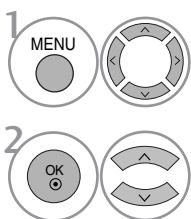
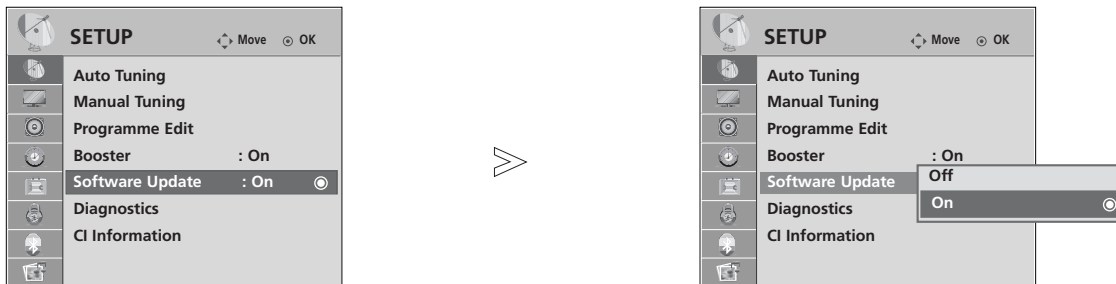


- 1   Select **SETUP**.
- 2   Select **Booster**.
- 3   Select **On** or **Off**.
- 4  Save.

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

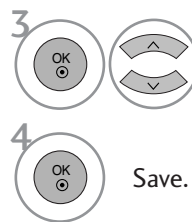
SOFTWARE UPDATE

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



1 Select **SETUP**.

2 Select **Software Update**.



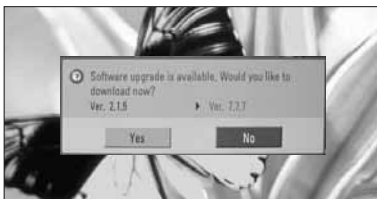
3 Select **On** or **Off**.

• If you select **On**, a user confirm message box will be displayed to notify that new software is found.

4 Save.

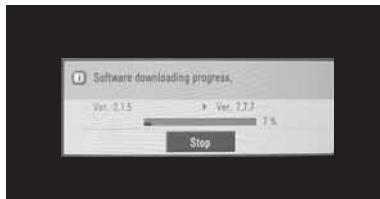
* When setting "Software Update"

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



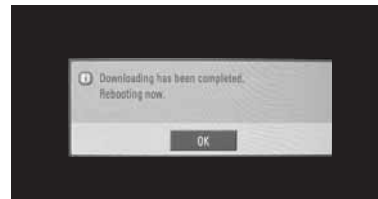
When the Software Update menu is "Off", the message to change it to "On" appears.

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



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

After the Software Update is complete, the System restarts.



- 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.

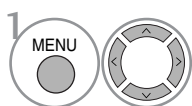
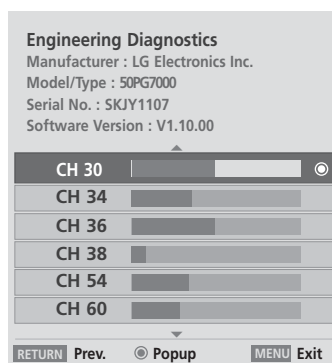
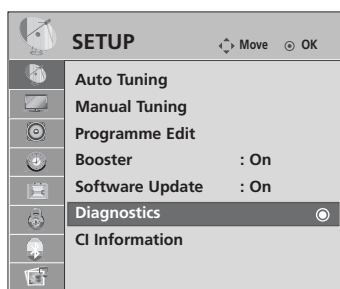
WATCHING TV / PROGRAMME CONTROL

DIAGNOSTICS

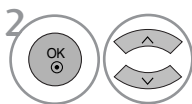
This function enables you to view information on the Manufacturer, Model/Type, Serial Number and Software Version.

This displays the information and signal strength of the tuned MUX.

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



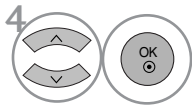
Select **SETUP**.



Select **Diagnostics**.



Display Manufacturer, Model/Type, Serial Number 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.

CI [COMMON INTERFACE] INFORMATION

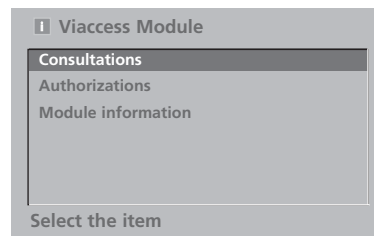
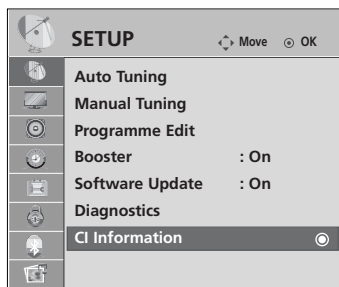
This function enables you to watch some encrypted services (pay services). If you remove the CI Module, you cannot watch pay services.

When the module is inserted into the CI slot, you can access the module menu.

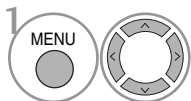
To purchase a module and smart card, contact your dealer. Do not repeatedly insert or remove a CI module from the TV. This may cause a malfunction. When the TV is turned on after inserting a CI Module, you may not have any sound output.

This may be incompatible with the CI module and smart card.

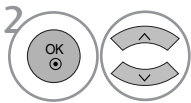
CI (Common Interface) functions may not be possible depending upon the country broadcasting circumstances.



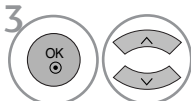
- This OSD is only for illustration and the menu options and screen format will vary according to the Digital pay services provider.
- It is possible for you to change CI (Common Interface) menu screen and service by consulting your dealer.



1 Select **SETUP**.



2 Select **CI Information**.



3 Select the desired item: Module information, smart card information, language, or software download etc.

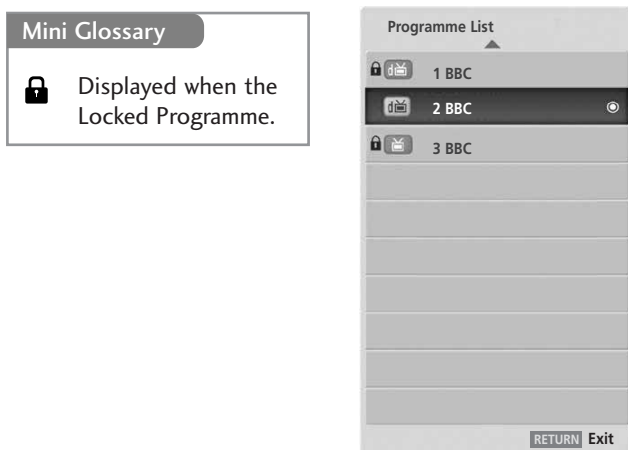


- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.


WATCHING TV / PROGRAMME CONTROL

SELECTING THE PROGRAMME TABLE

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






■ Displaying programme LIST

- 1  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  Switch to the chosen programme number.

- 1  From the programme you are currently watching, the mode will change from TV to DTV to Radio.

■ Paging through a programme list

- 1  Turn the pages.
- 2  Return to normal TV viewing.

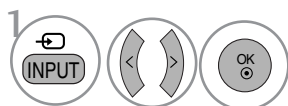
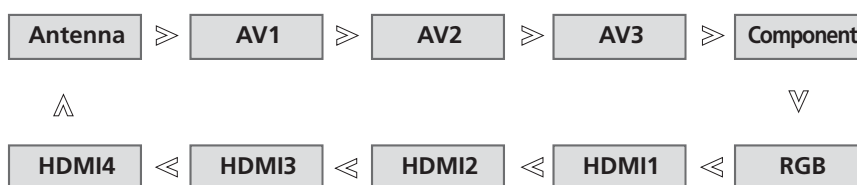
■ Displaying the favourite programme table

- 1  Display the Favourite Programme table.

INPUT LIST

HDMI and AV1, 2 (SCART) 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.

- **Antenna** : Select it when watching the DTV/TV.
- **AV1, AV2, AV3** : 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.
- **HDMI1, HDMI2, HDMI3, HDMI4** : Select it when using DVD, PC or Digital set-top box depend on connector.

WATCHING TV / PROGRAMME CONTROL



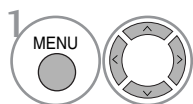
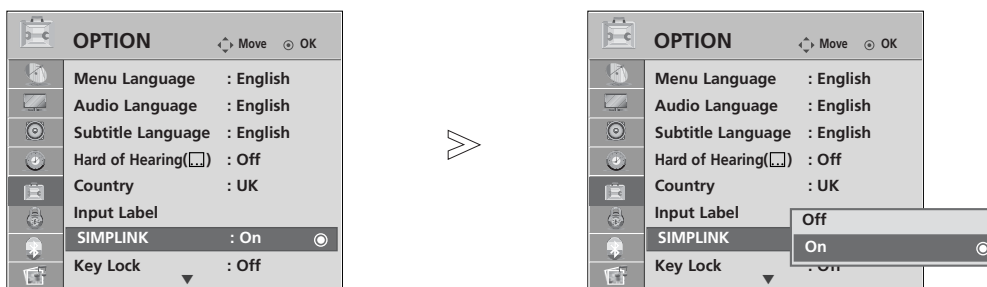
This function operates only with devices with the SIMPLINK logo. Please check the SIMPLINK logo.

This TV might not function properly when using it with other products with HDMI-CEC function.

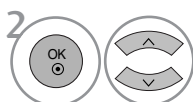
This allows you to control and play other AV devices connected to the display through HDMI cable without additional cables and settings.

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

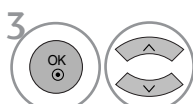
SIMPLINK function is not supported by HDMI IN 4 input.



Select **OPTION**.



Select **SIMPLINK**.



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



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 theater function, the speaker automatically switches to home theater speaker (HT speaker).

SIMPLINK Functions

Disc playback

Control connected AV devices by pressing the \wedge \vee \lt \gt , OK, \blacktriangleright , \blacksquare , II , \ll and \gg buttons. (The \bullet 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

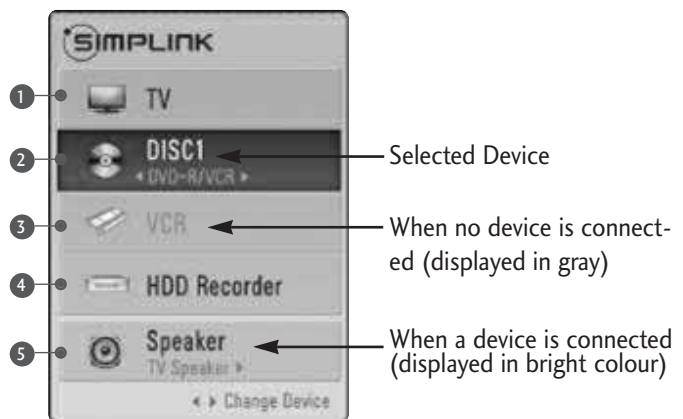
When you play the connected AV device, TV will automatically turn on.

* 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 \wedge \vee \lt \gt button and then OK button to select the desired SIMPLINK source.

- ① **TV viewing** : Switch to the previous TV programme regardless of the current mode.
- ② **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.
- ③ **VCR playback** : Play and control the connected VCR.
- ④ **HDD Recordings playback** : Play and control recordings stored in HDD.
- ⑤ **Audio Out to Home theater/Audio Out to TV:**
Select Home theater or TV speaker for Audio Out.

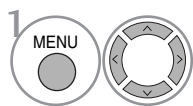
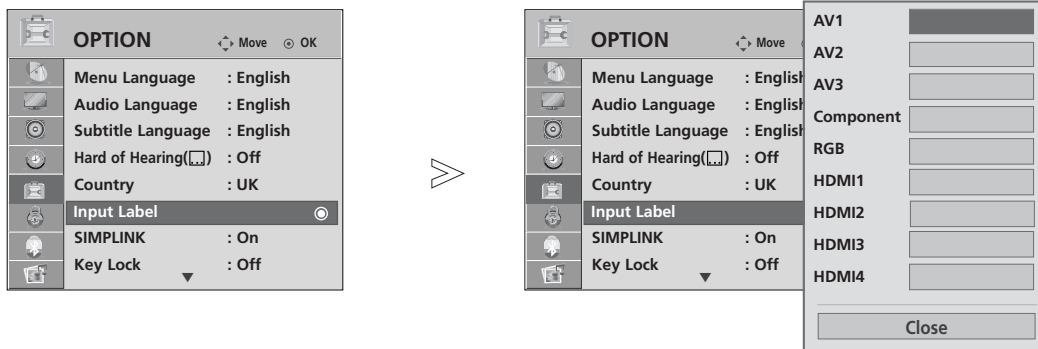


- Home theater: Only one supported at a time
- DVD, Recorder: Up to three supported at a time
- VCR: Only one supported at a time

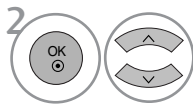
WATCHING TV / PROGRAMME CONTROL

INPUT LABEL

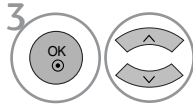
Selects a label for each input source.



Select **OPTION**.



Select **Input Label**.



Select the source.

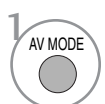
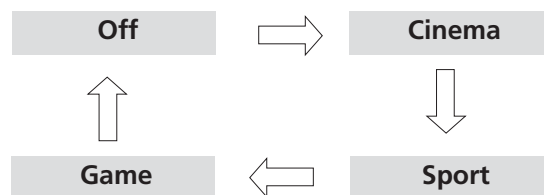


Select the label.

- 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 when connecting AV devices to external input.



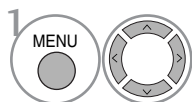
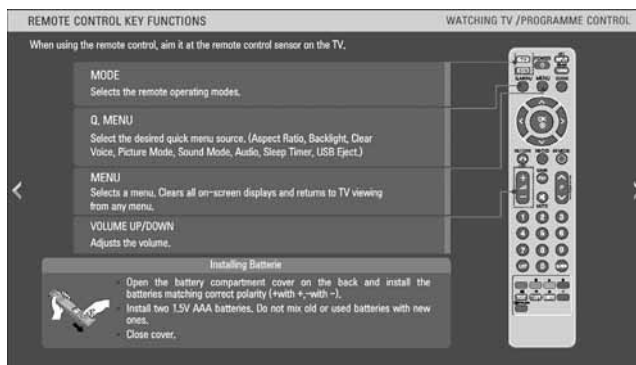
Press the **AV MODE** button repeatedly to select the desired source.



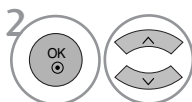
- If you select **Cinema Mode** in **AV mode**, **Cinema** mode will be selected both for **Picture Mode** and **Sound Mode** in **PICTURE** menu and **AUDIO** menu respectively.
- If you select “**Off**” in **AV mode**, the picture and image which you initially set will be selected.

SIMPLE MANUAL(LCD TV ONLY)

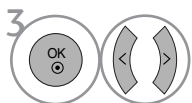
You can easily and effectively access the TV information by viewing a simple manual on the TV. During the Simple Manual operation, audio will be muted.



Select **OPTION**.



Select **Simple Manual**.



Select the part of the manual you want to see.

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

TO USE THE BLUETOOTH

Bluetooth?

Bluetooth is a short distance networking technology using 2.4 GHz frequency to connect various types of information devices such as computer, cell phone and PDA, as well as digital appliances through wireless connection, without having to connect any cable, to enable data exchange.

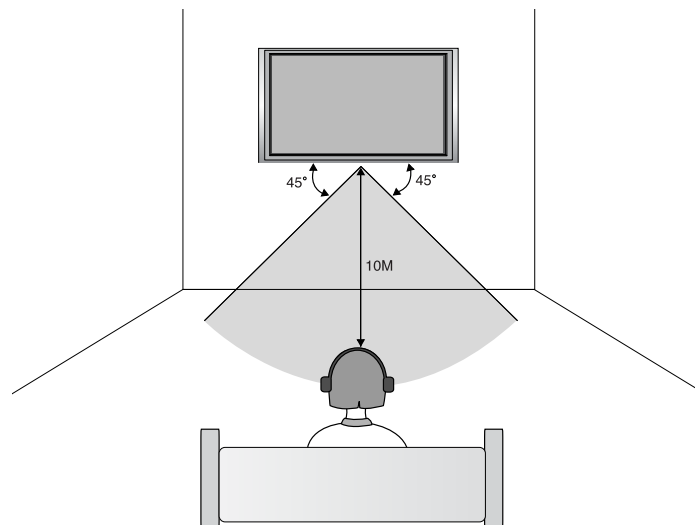
With the Bluetooth communication function, you can connect the Bluetooth enabled wireless stereo headset or receive images from the Bluetooth enabled cell phone using this TV.

- Communication spec. : BLUETOOTH Specification version 2.0
- Output : BLUETOOTH Specification Power Class 2
- Maximum communication Range : Line of open sight approx. 10m(30ft)
- Frequency band : 2.4GHz band (2.400 GHz ~ 2.4835GHz)
- Compatible BLUETOOTH Profile : A2DP(Advanced Audio Distribution Profile)
OPP(Object Push Profile)

Precautions when using the Bluetooth

- ▶ Use within 10m range.
If you use the device out of the range or within the range with obstacles, it can result in communication error.
- ▶ Communication error can occur depending on the surrounding device.
- ▶ Products using the same frequency of 2.4 GHz (Wireless LAN, microwave oven etc.), can cause communication error by using the same frequency bandwidth.
- ▶ The device search time differs depending on the number of Bluetooth devices and the operating situation, and the probability of search increases with less number of devices.
- ▶ Electromagnetic wave can be interfered with applicable wireless devices.
- ▶ Because applicable wireless devices have the possibility of electronic wave interference, they cannot provide services related to human life.
- ▶ For the external Bluetooth device, you can only connect one headset at a time.
- ▶ You cannot receive the image while using the Bluetooth headset.
- ▶ MP3 function is not supported.
- ▶ For details of Bluetooth, refer to the user manual of the Bluetooth device.

QDID : B014281



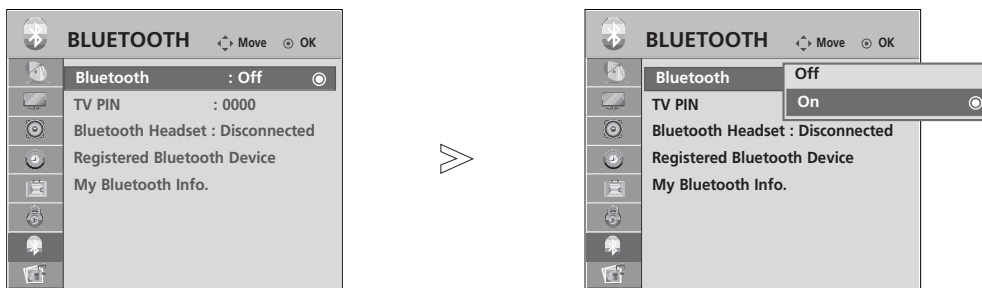
SETTING THE BLUETOOTH








If you want to listen to the broadcasted sound using the Bluetooth headset or receive the jpeg images from an external device and view them on the TV, you can use the wireless communication without having to connect any cables.

You can use the BLUETOOTH menu by selecting “On”.

If you do not want to use the Bluetooth function, select “Off”.

If it is connected to the external Bluetooth device, you can select “Off” after disconnecting the device.



-   Select **BLUETOOTH**.
-   Select **Bluetooth**.
-   Select **On** or **Off**.
-  Save.

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

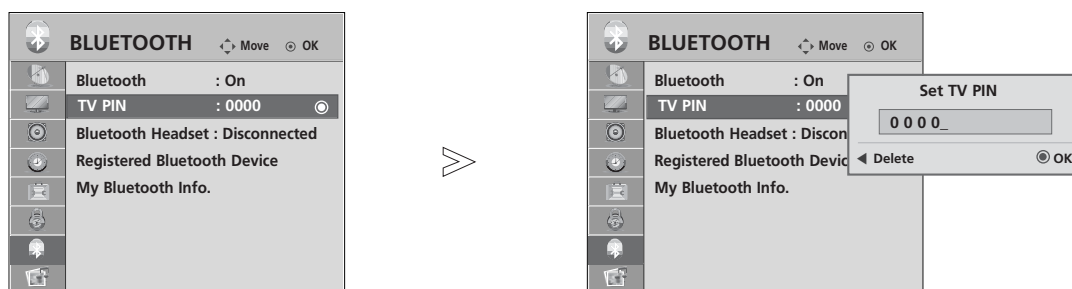
TO USE THE BLUETOOTH


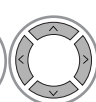



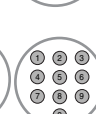

SET TV PIN

To accept connection from an external Bluetooth device or to connect to an external Bluetooth device.

For details on how to set the PIN of the external Bluetooth device, refer to the user manual of the applicable device.

Set TV PIN can support up to maximum of 10 digits.



- 1   Select **BLUETOOTH**.
- 2   Select **TV PIN**.
- 3   Select the desired PIN number.
- 4 

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

BLUETOOTH HEADSET

When you select the Bluetooth stereo headset, you can listen to the TV sound in the Bluetooth stereo headset through wireless communication.

You must pair it with any new Bluetooth device before the first use. For details, refer to the user manual of the applicable device. Maximum of 12 lists can be used.

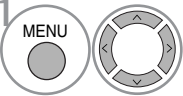
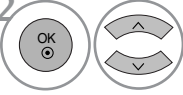

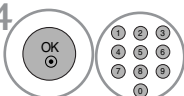

When the unit is searching for the Bluetooth stereo headset, other buttons except for the "Stop" (OK button) do not work.

Connecting a new Bluetooth headset

You can only search for the new Bluetooth stereo headset only in the **Disconnected** condition.

When you run the search, it will show you the list of all Bluetooth stereo headsets responding.

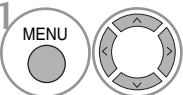
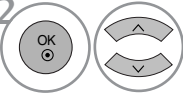
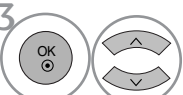
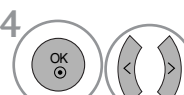

After new Bluetooth device is searched, the PIN number is validated to connect the device. For details, refer to the user manual of the applicable device.

- 1  Select **BLUETOOTH**.
- 2  Select **Bluetooth Headset**.
- 3  Search the Bluetooth headset.
- 4  Select Bluetooth headset PIN number. Refer to the user manual of the applicable device for the PIN number.
- 5  Connect the Bluetooth headset.

Connecting to Bluetooth headset already registered

Bluetooth stereo headsets are listed in the order most recently used with the headset currently in use listed at the top.

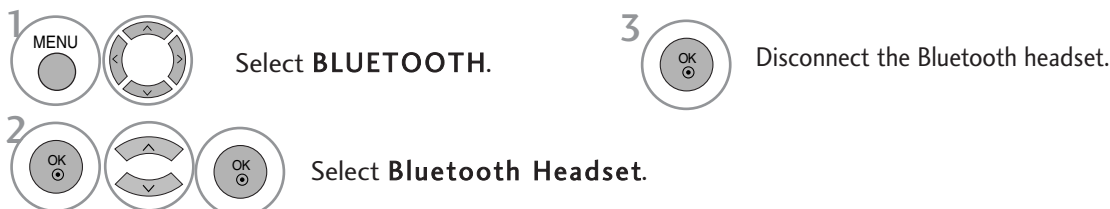
When connecting to the Bluetooth device already registered, you can select and connect directly without any PIN validation.

- 1  Select **BLUETOOTH**.
- 2  Select **Bluetooth Headset**.
- 3  Select the desired Bluetooth headset.
- 4  Message asking to connect the selected Bluetooth headset will be displayed. Select **Yes** or **No**.
- 5  Connect the Bluetooth headset.

- After connecting/using the Bluetooth stereo headset, the headset setting will Disconnected condition automatically when you turn off/on the power of the TV.
- After connecting the Bluetooth stereo headset, the TV speaker is switched to Mute condition and the sound will only be generated from the headset.

TO USE THE BLUETOOTH

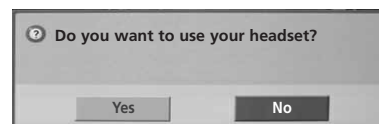
Disconnecting the Bluetooth headset during use



When requesting to connect to TV from the Bluetooth headset

When the Bluetooth menu is "On" and there is a connection request from the headset, this message is displayed.

It's only available for the headset in support of this feature. (Refer to the user manual of the applicable Bluetooth headset.)



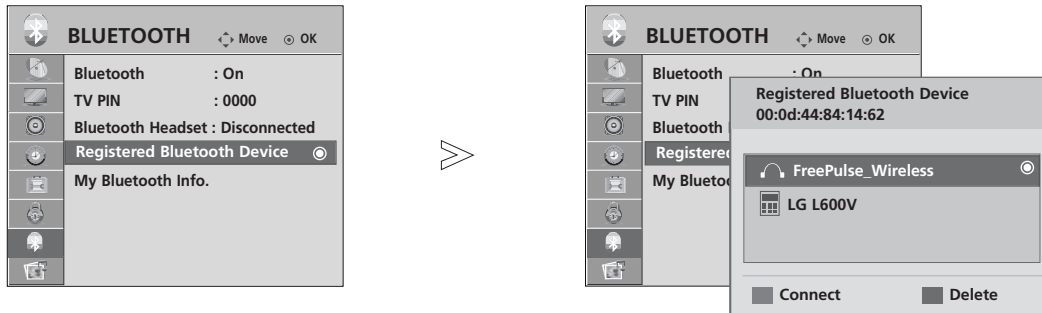
NOTE

- ▶ LG recommends the following headset models. (Model name : MOTOROLA (HT820, S9), Jabra (BT620S, BT8010), Plantronics (Pulsar590), Nokia (BH-501), **Sony (DR-BT30Q)**, Philips (HSB7100), Logitech (Freepulse-Wireless), Idobi (HP-910), LG (HBS250)). It might be audio delay according to the buffering memory size of headset.
- ▶ Only the stereo headset officially certified to be Bluetooth compatible can be searched and connected.
- ▶ Only the stereo headset that supports the A2DP (AV) function among the Bluetooth devices can be connected.
- ▶ The stereo headset that supports only the HF (Hands Free) function among the Bluetooth devices cannot be connected.
- ▶ If the PIN number saved in Bluetooth PIN setting is different from the PIN number described in the user manual of the stereo headset, the device will not be connected. For more details, refer to the user manual of the applicable device.
- ▶ If the surrounding environment of the TV is as follows, the device may not be searched or connected properly.
 - If there is strong electromagnetic wave.
 - If there are many Bluetooth devices.
 - If the stereo headset is turned off, not in place or has an error.
 - Because products such as microwave oven, wireless LAN, plasma light, gas range etc., use the same frequency range, it can cause communication error.
- ▶ Only one stereo headset can be connected at once.
- ▶ You cannot connect other Bluetooth device other than the stereo headset simultaneously.
- ▶ Connection that is lost due to the TV being turned off etc. will not be automatically recovered. Try connecting the applicable device again.
- ▶ Some operations can be slower while operating the headset.
- ▶ Even if you choose simplink Home Theater after using the headset during Simplink operation, the unit will not automatically switch to Home Theater speakers.
- ▶ When the headset connection continuously fails, pair the device one more time.

MANAGING REGISTERED BLUETOOTH DEVICE





If there are no devices registered, Registered B/T Device menu will be deactivated and cannot be used.

When 12 devices are registered, you cannot register any more devices, and the external device will no longer be able to pair up with the TV. In this case, you should delete one (disconnect first if a device is connected to the TV) and then you can register another device







- 1   Select **BLUETOOTH**.
- 2   Select **Registered Bluetooth Device**.
- 3  Check the registered Bluetooth device.

■ Connecting the registered Bluetooth stereo headset

- 1  Select the registered Bluetooth stereo headset you want.
- 2  Message asking to connect the selected Bluetooth device will be displayed.
- 3   Select **Yes** or **No**.

■ Deleting registered Bluetooth device

- 1  Select the Bluetooth device you want.
- 2  Message asking to delete the selected Bluetooth device will be displayed.
- 3   Select **Yes** or **No**.

TO USE THE BLUETOOTH

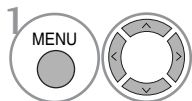
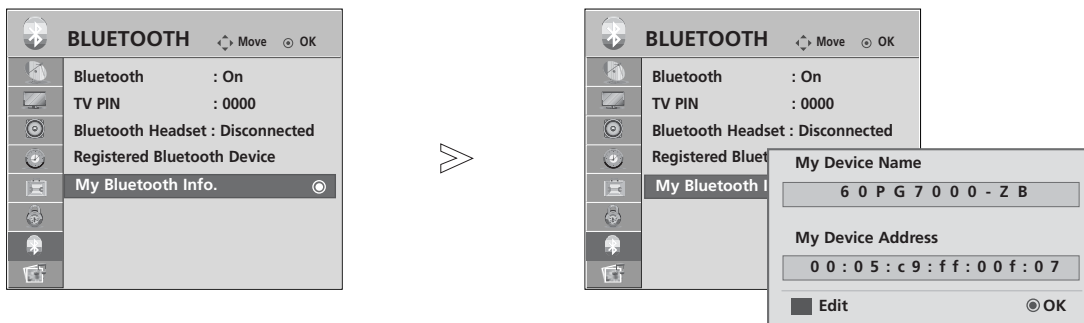
MY BLUETOOTH INFORMATION

This function provides the My Bluetooth Information to the user.

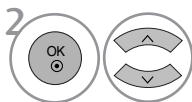
"Edit" will be available when selecting "Bluetooth device- disconnected"

You can edit the My device name.

You can check the My device Address.



Select **BLUETOOTH**.



Select **My Bluetooth Info..**



You can use an the alphabet **A** to **Z**, the number **0** to **9**, **+/-**, and blank.

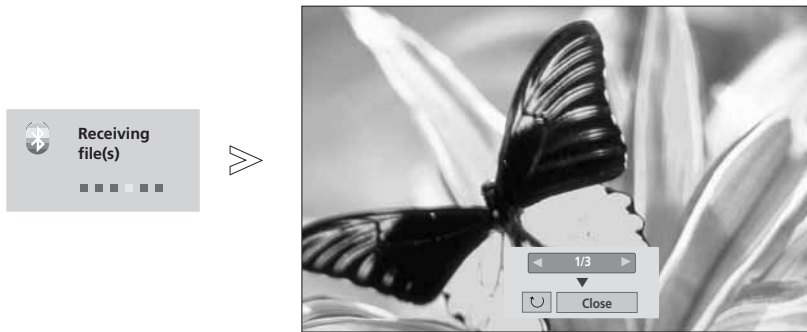


Save.

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

RECEIVING PHOTOS THROUGH EXTERNAL BLUETOOTH DEVICE

Send the photo from the external Bluetooth device. For details on how to send the photo from the external Bluetooth device, refer to the user manual of the applicable device.




- When you select **Close** with the ^ v < > button, the OSD will disappear. And when you press the OK button again, it will appear again.



Select the desired photos.

 (**Rotate**) : Rotate photos.

- Rotates the photo 90° clockwise upon **OK** button on  (**Rotate**).

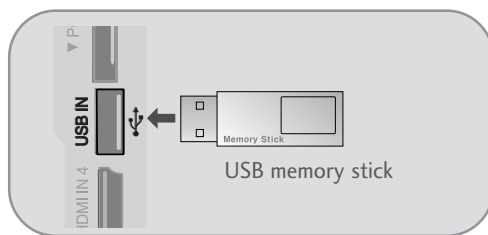
- The maximum accumulated size of the image that can be received is 10MBytes.
- Only the OPP (Object Push Profile) method is supported among the method on sending the image through the Bluetooth cell phone.
- You cannot receive the image while using the Bluetooth stereo headset.
- When the external Bluetooth device is currently sending the photo, press the **RETURN** button to stop receiving the photo. In this all the photos already received will be deleted.

TO USE THE USB DEVICE

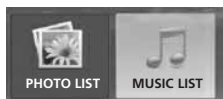
When connecting the USB device

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.



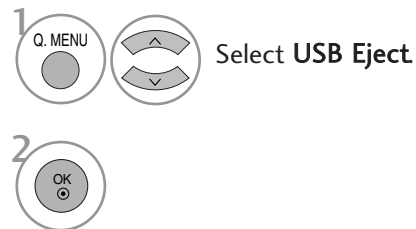
- 2 Select **PHOTO LIST** or **MUSIC LIST**.



- 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.



Precautions when using the USB device

- ▶ Only a USB storage device is recognizable.
- ▶ 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.
- ▶ 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 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.

PHOTO LIST

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

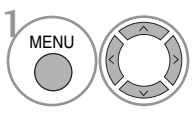
PHOTO(*.JPEG) supporting file

Baseline: 7680 x 4320

- You can play JPEG files only.
- Only baseline scan is supported among JPEG (SOF0, SOF1 only).
- Non-supported files are displayed in the form of bitmap.

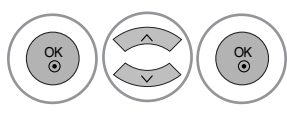
Screen Components

1



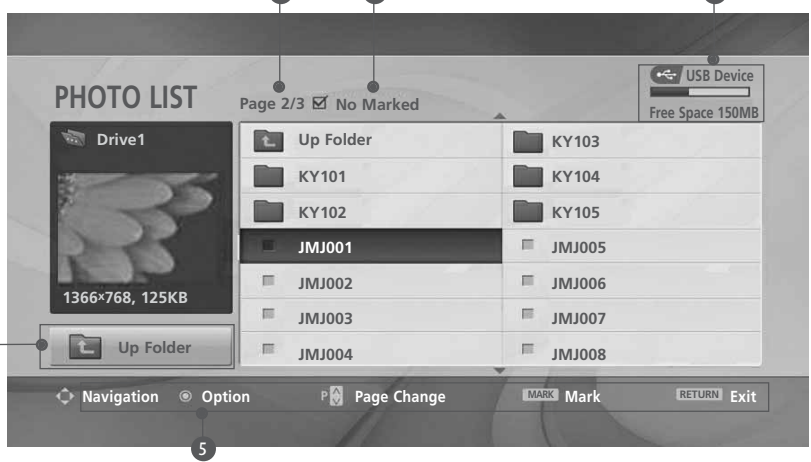
Select **USB**.

2



Select **Photo List**.

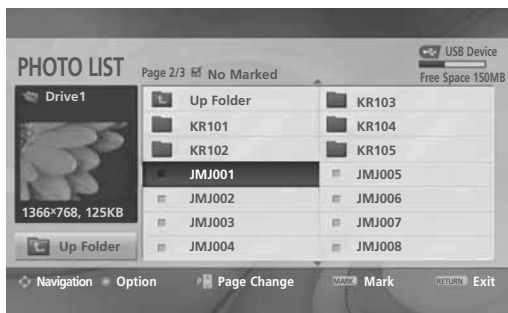
- ① Moves to upper level file
- ② Current page/Total pages
- ③ Total number of marked photos
- ④ Usable USB memory
- ⑤ Corresponding buttons on the remote control



The screenshot shows a 'PHOTO LIST' interface. At the top, it displays 'Page 2/3' and 'No Marked'. A 'USB Device' section shows 'Free Space 150MB'. The main area is a grid of folders and files: 'Up Folder', 'KY101', 'KY102', 'JM001', 'JM002', 'JM003', 'JM004', 'KY103', 'KY104', 'KY105', 'JM005', 'JM006', 'JM007', and 'JM008'. A preview window on the left shows a photo of a flower with dimensions '1366x768, 125KB'. At the bottom, a navigation bar includes 'Navigation', 'Option', 'Page Change', 'MARK Mark', and 'RETURN Exit'.








TO USE THE USB DEVICE

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.

TO USE THE USB DEVICE

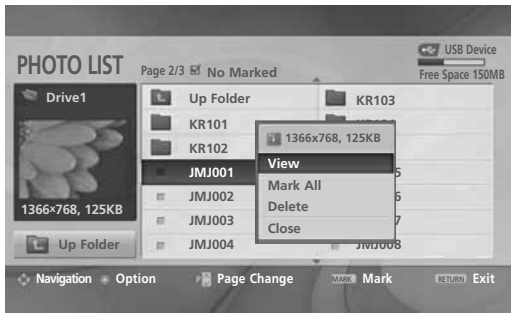
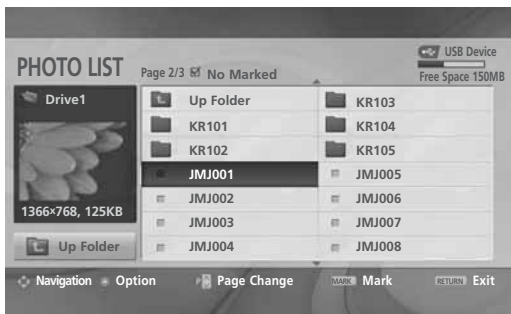
- 1  Select the target folder or drive.
- 2   Select the desired photos.
- 3   Show the PopUp menu.
- 4   Select the desired PopUp menu.

- Use the **P** ^ v 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.

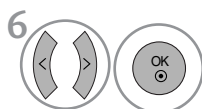


The aspect ratio of a photo may change the size of the photo displayed on the screen in full size. Press the **RETURN** button to move to the previous menu screen.

- 1  Select the target folder or drive.
- 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** ^ v button to navigation in the photo page.

TO USE THE USB DEVICE



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

- Use **^ v < >** button to select the previous or next photo.
- Use **^ v < >** 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**.

▶ **BGM** : Listen to music while viewing photos in full size.

- Set the BGM device and album in **Option**.

▶ **⌛ (Rotate)** : Rotate photos.

- Rotates the photo 90° clockwise.

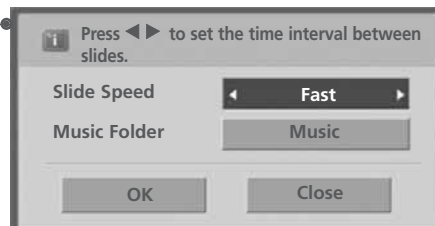
▶ **Delete** : Delete photos.

▶ **Option** : Set values for **Slide Speed** and **Music Folder**.

- Use **< >** button and **OK** button to set values. Then go to **OK** and press **OK** to save the settings.
- You cannot change **Music Folder** while BGM is playing.

▶ **Close** : Hide the menu on the full-sized screen.

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



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.

Screen Components

1 MENU Select **USB**.

2 OK Select **Music List**

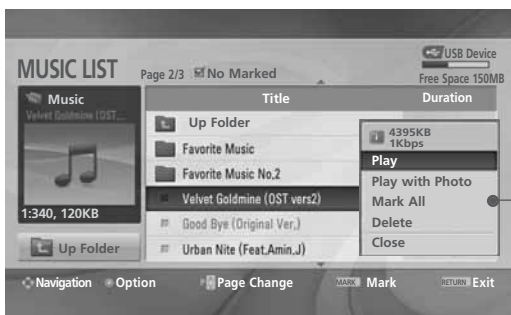
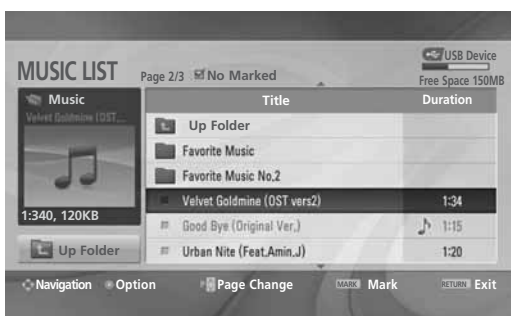
The screenshot shows a 'MUSIC LIST' interface. At the top right, it says 'USB Device' and 'Free Space 150MB'. Below that, it shows 'Page 2/3' and 'No Marked'. The main area is a table with columns 'Title' and 'Duration'. The table contains several entries, with 'Velvet Goldmine (OST vers2)' highlighted. At the bottom, there is a navigation bar with buttons for 'Navigation', 'Option', 'Page Change', 'Mark', and 'Exit'.

- ① Moves to upper level file
- ② Current page/Total pages
- ③ Total number of marked musics
- ④ Usable USB memory
- ⑤ Corresponding buttons on the remote control

TO USE THE USB DEVICE







Music Selection and PopUp Menu

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



- ▶ **Play (During stop)** : Play the selected musics. Once a music finishes playing, the next selected one will be played. When there are no selected musics 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 musics. Once a music finishes playing, the next selected one will be played automatically.
- ▶ **Stop Play (During playback)** : Stop the playing musics.
- ▶ **Play with Photo** : Start playing the selected musics and then move to the Photo List.
- ▶ **Mark All** : Mark all musics in the folder.
- ▶ **Unmark All** : Deselect all marked musics.
- ▶ **Delete** : Delete the selected musics.
- ▶ **Close** : Close the pop-up menu.

TO USE THE USB DEVICE

- 1  Select the target folder or drive.
- 2   Select the desired musics.
- 3  Show the PopUp menu.
- 4   Select the desired PopUp menu.


- Use the **P** ^ v 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 musics 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.

- 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).

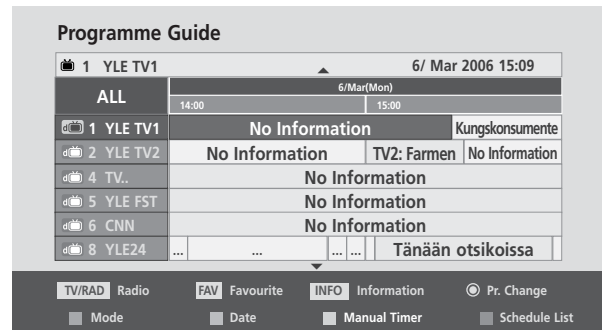
This function can be used only when the EPG information is broadcast by broadcasting companies

The EPG displays the programme details for next 8 days.

	Shows the present screen information.		
	Displayed with a DTV Programme.		Displayed with a Teletext Programme.
	Displayed with a Radio Programme.		Displayed with a Subtitle Programme.
	Displayed with a MHEG Programme.		Displayed with a Scramble Programme.
			Displayed with a Dolby Programme.


Switch on/off EPG

1  Switch on or off EPG.














Select a programme













1  or  Select desired programme.

2  Display the selected programme.







Button Function in NOW/NEXT Guide Mode

- | | | | |
|---|---|---|---------------------------------|
|  RED | Change EPG mode. |  | Select the Broadcast Programme. |
|  YELLOW | Enter Timer Record/Remind setting mode. |  | Page Up/Down. |
|  BLUE | Enter Timer Record/Remind list mode. |  or  | Switch off EPG. |
|  OK | Change to the selected programme. |  | Select TV or RADIO Programme. |
|  | Select NOW or NEXT Programme. |  | Detail information on or off |

Button Function in 8 Day Guide Mode

- | | | | |
|---|---|---|---------------------------------|
|  RED | Change EPG mode. |  | Select the Broadcast Programme. |
|  GREEN | Enter Date setting mode. |  | Page Up/Down. |
|  YELLOW | Enter Timer Record/Remind setting mode. |  or  | Switch off EPG. |
|  BLUE | Enter Timer Record/Remind list mode. |  | Select TV or RADIO Programme. |
|  OK | Change to the selected programme. |  | Detail information on or off |
|  | Select NOW or NEXT Programme. | | |

Button Function in Date Change Mode

- | | | | |
|--|-------------------------------|---|-------------------------------|
|  GREEN | Switch off Date setting mode. |  | Switch off Date setting mode. |
|  OK | Change to the selected date. |  or  | Switch off EPG. |
|  | Select a date. | | |

EPG (ELECTRONIC PROGRAMME GUIDE)(IN DIGITAL MODE)

Button Function in Extended Description Box



Text Up/Down.



Enter Timer Record/Remind setting mode.



The detail information on or off.



or



Switch off EPG.

Button Function in Record/Remind Setting Mode

- This function is available only when recording equipment that use pin8 recording signalling has been connected to the DTV-OUT(AV2) terminal, using a SCART cable.



Change to Guide or Timer list mode.



Save Timer Record/Remind.



Select Type, Service, Date or Start/End time.



Function setting.

Button Function in Schedule List Mode



Add new Manual Timer setting mode.



Enter **Schedule List** editing mode.



Delete the selected item.



Change to Guide mode.



Select **Schedule List**.

PICTURE CONTROL

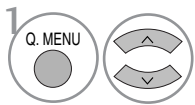
PICTURE SIZE (ASPECT RATIO) CONTROL

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

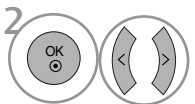
If a fixed image is displayed on the screen for a long time, that fixed image may become imprinted on the screen and remain visible.

You can adjust the enlarge proportion using \wedge \vee 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.

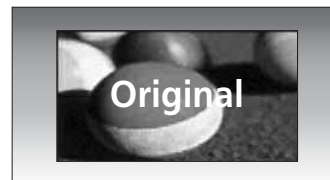
• 16:9

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).



• Original

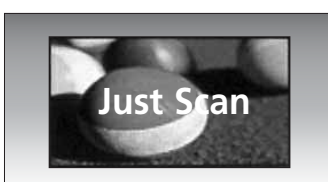
When your TV receives a wide screen signal it will automatically change to the picture format broadcast.



• 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.



• 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.



PICTURE CONTROL

- **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.

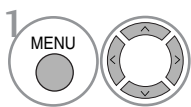
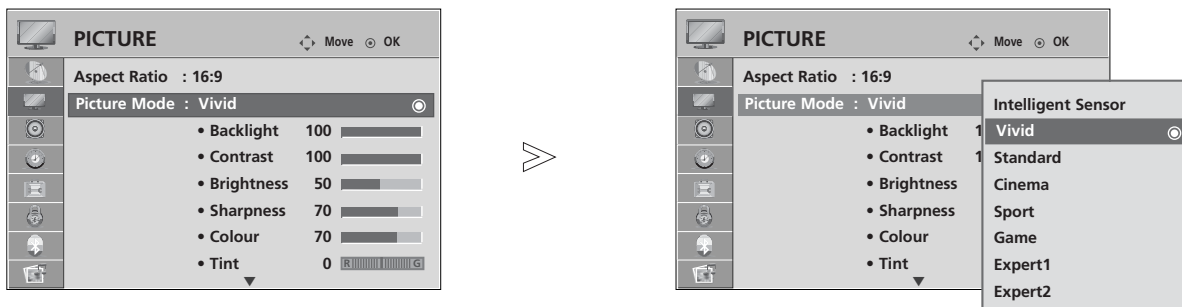


! NOTE

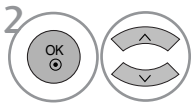
- ▶ You can only select **4:3**, **16:9 (Wide)**, **14:9**, **Zoom 1/2** in Component, HDMI mode.
- ▶ You can only select **4:3**, **16:9 (Wide)** in RGB mode only.
- ▶ In HDMI/Component (over 720p) mode, **Just Scan** is available.

PRESET PICTURE SETTINGS

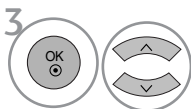
Picture Mode-Preset



Select **PICTURE**.



Select **Picture Mode**.



Select **Intelligent Sensor**(LCD TV only), **Vivid**, **Standard**, **Cinema**, **Sport** or **Game**.

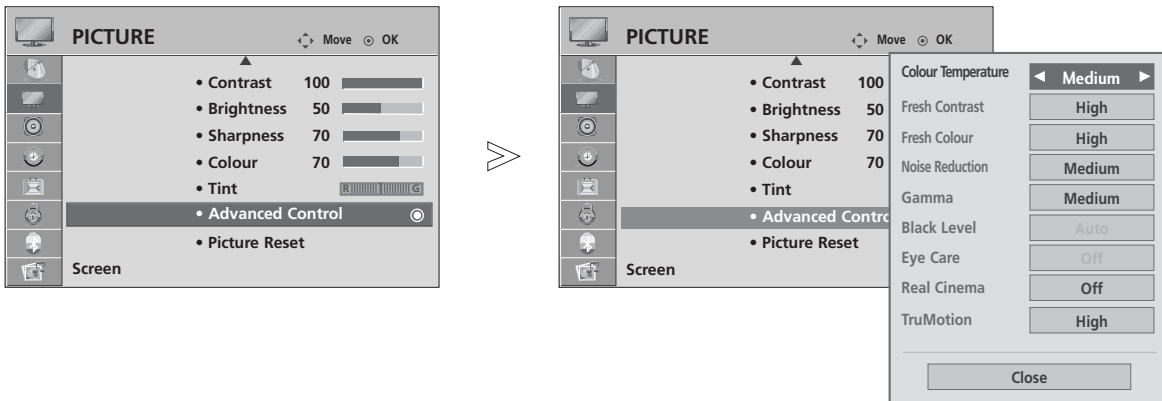
- **Picture Mode** adjusts the TV for the best picture appearance. Select the preset value in the **Picture Mode** menu based on the programme category.
- When the Intelligent sensor function is on, the most suitable picture is automatically adjusted according to the surrounding conditions. (LCD TV only)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








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

PICTURE CONTROL

Auto Colour Tone Control (Warm/Medium/Cool)

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.



- 1   Select **PICTURE**.
- 2   Select **Advanced Control**.
- 3   Select **Colour Temperature**.
- 4  Select either **Cool**, **Medium** or **Warm**.

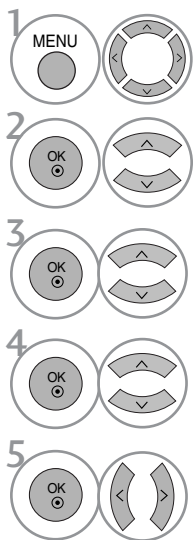
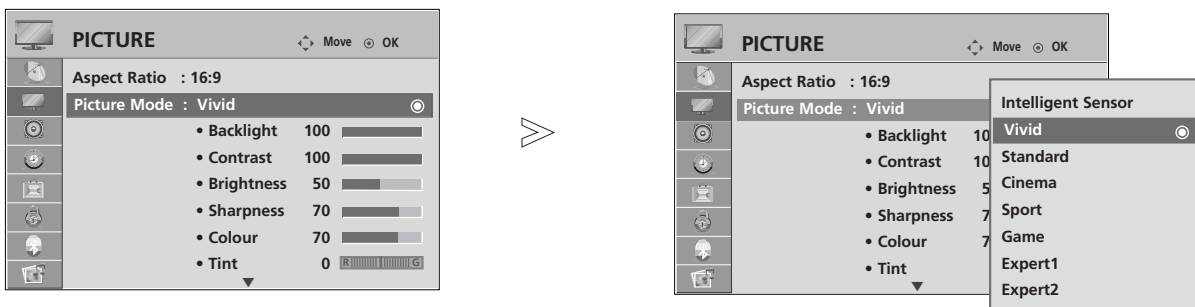
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

MANUAL PICTURE ADJUSTMENT

Picture Mode-User option

- **Backlight** (LCD TV Only)
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**(LCD TV only)”.



1 Select **PICTURE**.

2 Select **Picture Mode**.

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

4 Select **Backlight**(LCD TV only), **Contrast, Brightness, Sharpness, Colour or Tint**.

5 Make appropriate adjustments.

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

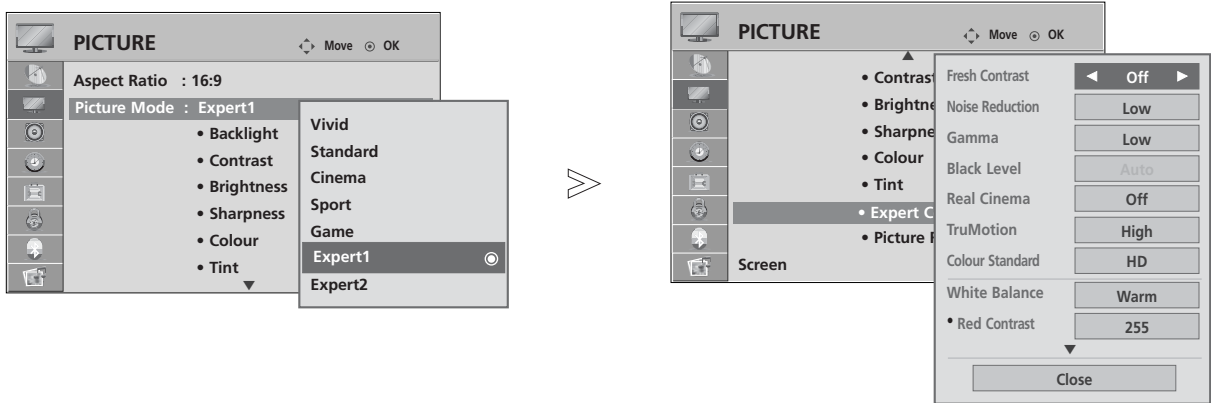
! NOTE


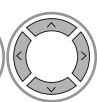



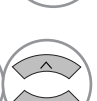



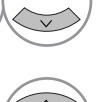

- ▶ You cannot adjust colour, sharpness and tint in the RGB-PC mode.

PICTURE CONTROL

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.



- 1   Select **PICTURE**.
- 2   Select **Picture Mode**.
- 3   Select **Expert1** or **Expert2**.
- 4   Select **Expert Control**.
- 5   Select your desired **Source**.
- 6  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

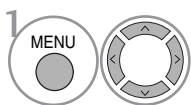
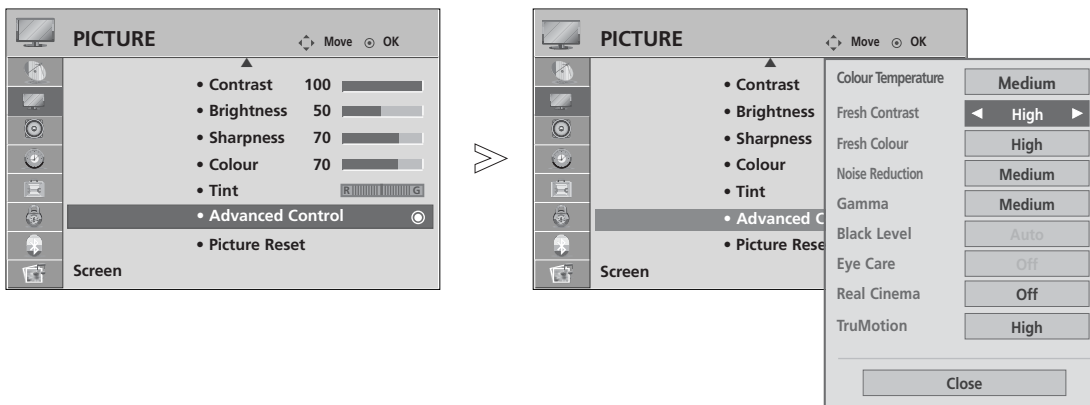
Adjusts the colour of the reflection automatically to reproduce as close as possible natural colours.

Noise Reduction

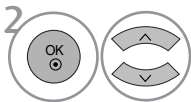
Removes interference up to the point where it does not damage the original picture.

Gamma.

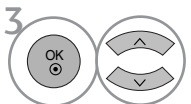
High gamma values display whitish images and low gamma values display high contrast images.



1 Select **PICTURE**.



2 Select **Advanced Control**.



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



4 Select your desired **Source**.

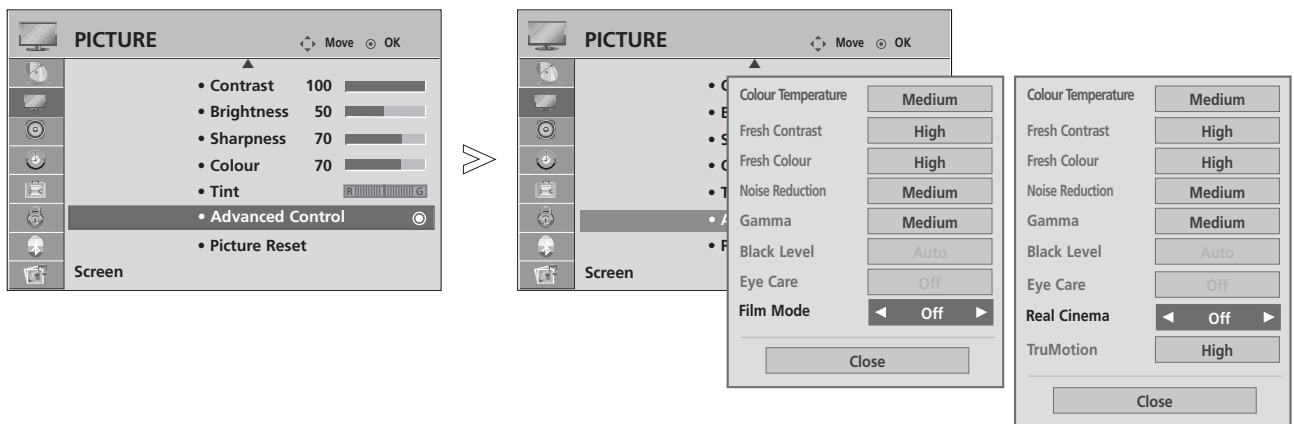
- Press the **MENU** button to return to normal TV viewing.
- Press the **RETURN** button to move to the previous menu screen.

PICTURE CONTROL

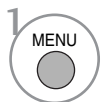


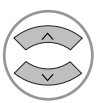




ADVANCED - FILM MODE/ REAL CINEMA(37/42/47/52LG70** Only)

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).



37/42/47/52LG70** Only

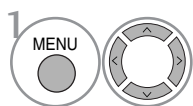
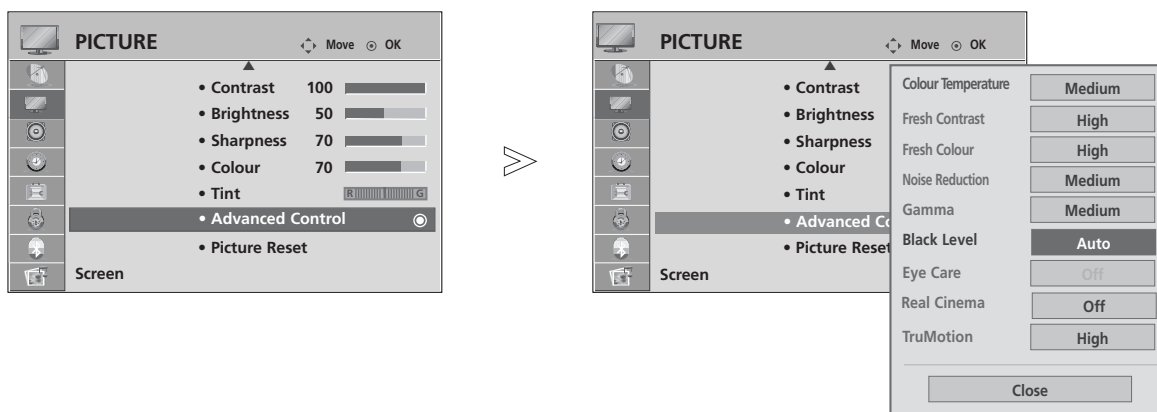
- 1   Select **PICTURE**.
- 2   Select **Advanced Control**.
- 3   Select **Film Mode**(or **Real Cinema**(37/42/47/52LG70** Only)).
- 4   Select **On** or **Off**.

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

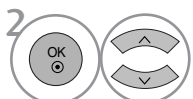
ADVANCED - BLACK(DARKNESS) LEVEL

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

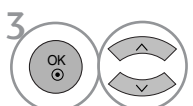
This function works in the following mode: AV (NTSC-M), HDMI or Component .



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.