LG

Life's Good

PLASMA TV
OWNER'S MANUAL

PLASMA TV MODELS

42PG63✳✳
50PG63✳✳

Please read this manual carefully before operating your TV. Retain it for future reference.
Record model number and serial number of the TV.
Refer to the label on the back cover and quote this information to your dealer when requiring service.

DVB®

Digital Video Broadcasting

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

ID Number(s): 5799: 42PG6300-ZA
5800: 50PG6300-ZA

energy ENERGY STAR

PREPARATION

EXTERNAL EQUIPMENT SETUP

WATCHING TV/BASIC OPERATIONS

EPG (Electronic Programme Guide)

CHANNEL SETUP

PICTURE SETTINGS

SOUND SETTINGS

FEATURE SETTINGS

DTV SETUP

APPENDIX

PREPARATION

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.

Remote Control
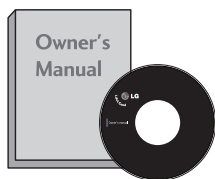
Owner's Manual
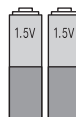
Batteries
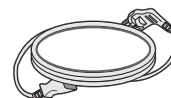
Power Cord

Cable management clip
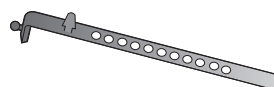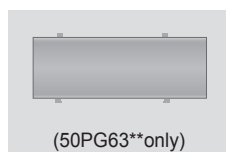
(50PG63**only)

**Cable Holder
(42PG63**only)**
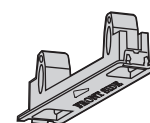
**Protection cover
(Refer to p.9)**
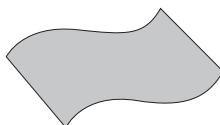
Polishing Cloth

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.

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.
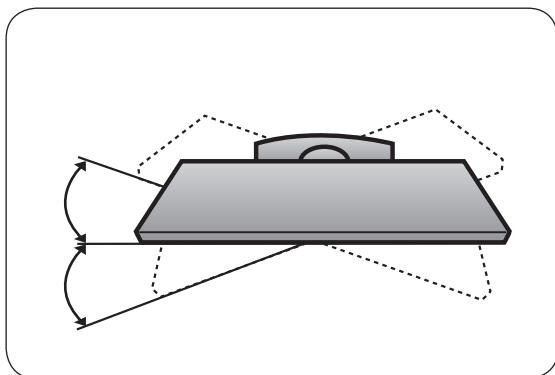
Front Panel Controls

■ Image shown may differ from your TV.

■ If your TV has a protection film attached, remove the film and then wipe the TV with a polishing cloth.

Remote Control Sensor
POWER

Power/Standby Indicator
• Illuminates red in standby mode.
• Illuminates green when the TV is switched on.

INPUT	MENU	OK ◉	− ⊿ +	▼ P ▲
INPUT	MENU	OK	VOLUME	PROGRAMME
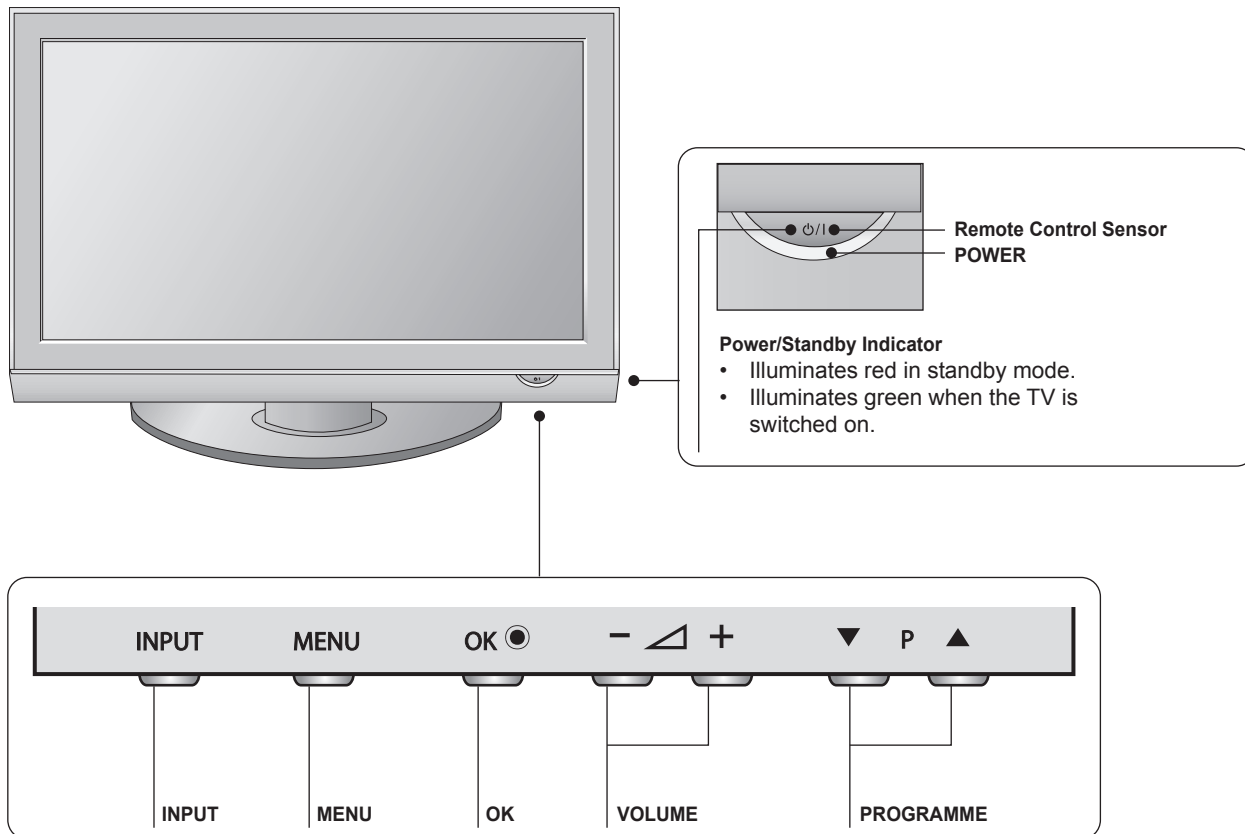
Back Panel Information

■ Image shown may differ from your TV.
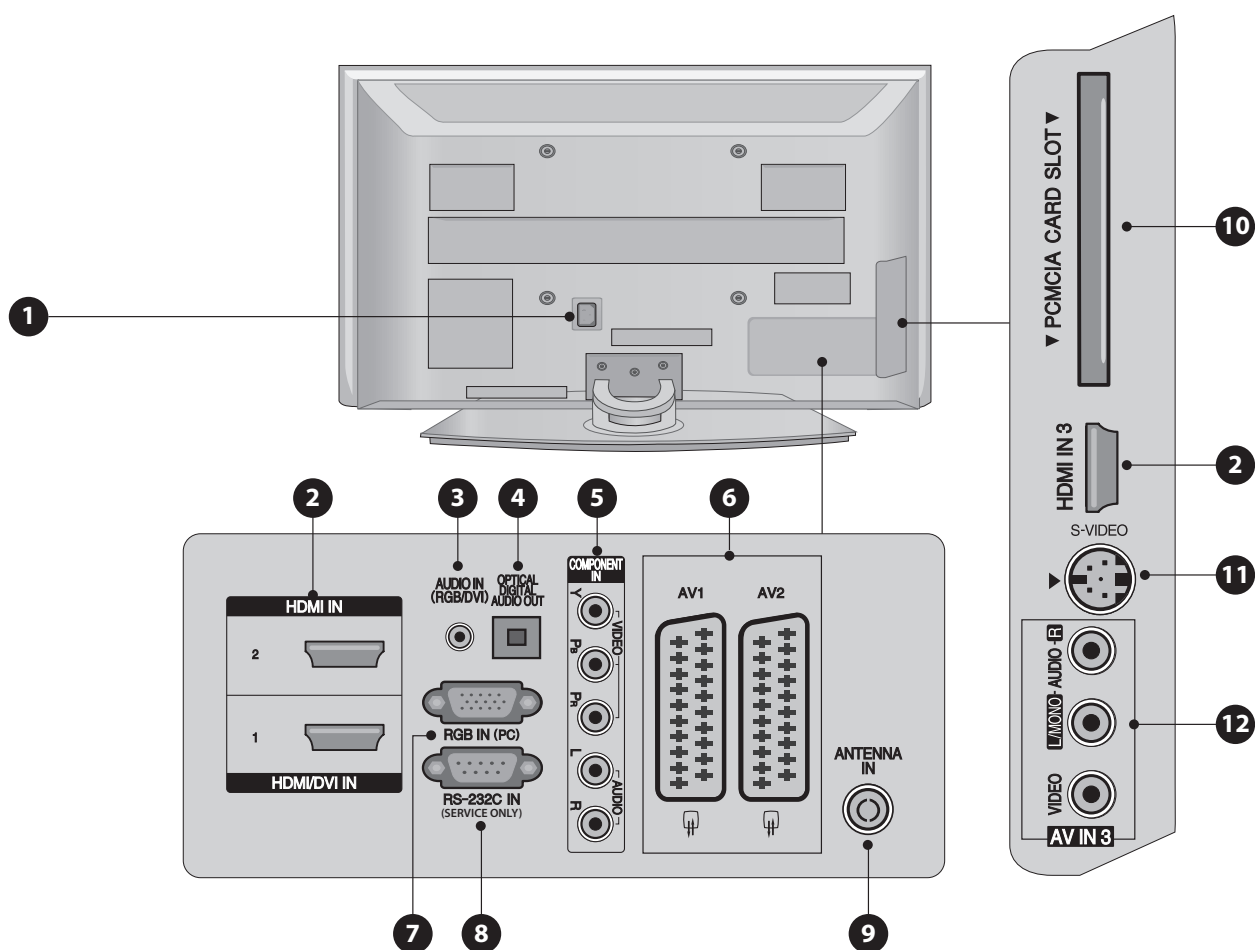
1. **Power Cord Socket**
   This TV operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the TV on DC power.

2. **HDMI IN 1/2/3**
   Connect a HDMI signal to HDMI IN.
   Or DVI (VIDEO) signal to HDMI/DVI port with DVI to HDMI cable. (HDMI1 only)

3. **AUDIO IN (RGB/DVI)**
   Connect the audio from a PC or DVI.

4. **OPTICAL DIGITAL AUDIO OUT (In Digital Mode only)**
   Connect digital audio from various types of equipment.
   Note: In standby mode, this port does not work.

5. **COMPONENT IN**
   Connect a component video/audio device to these jacks.

6. **Euro Scart Socket (AV1/AV2)**
   Connect scart socket input or output from an external device to these jacks.

7. **RGB IN (PC)**
   Connect the output from a PC.

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

9. **ANTENNA IN**
   Connect RF antenna to this jack.

10. **PCMCIA (Personal Computer Memory Card International Association) CARD SLOT**

11. **S-VIDEO**
    Connect S-Video out from an S-VIDEO device.

12. **AV (Audio/Video) IN 3**
    Connect audio/video output from an external device to these jacks.

Please set it up carefully so the product does not 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.
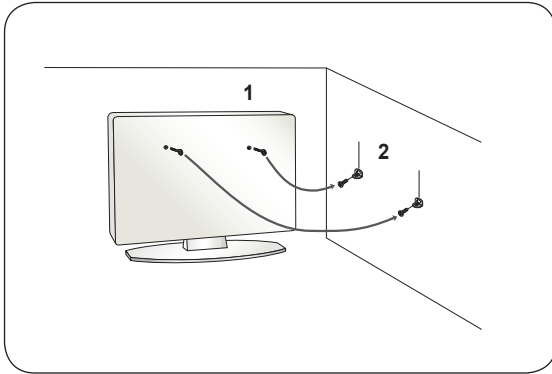
➊ Use the eye-bolts or TV brackets/bolts to fix the TV to the wall as shown in the picture.

(If your TV has bolts in the eyebolts, loosen these bolts.)
* Insert the eye-bolts or TV brackets/bolts and tighten them securely in the upper holes.

➋ Secure the wall brackets with the bolts on the wall. Match the height of the bracket that is mounted on the wall.
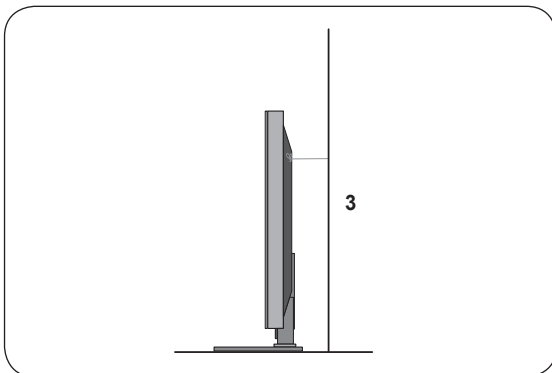
➌ Use a sturdy rope to tie the TV. It is safer to tie the rope so it becomes horizontal between the wall and the TV.

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

Back Cover for Wire Arrangement

1 Connect the cables as necessary.

To connect additional equipment, see the External Equipment Setup section of the manual.
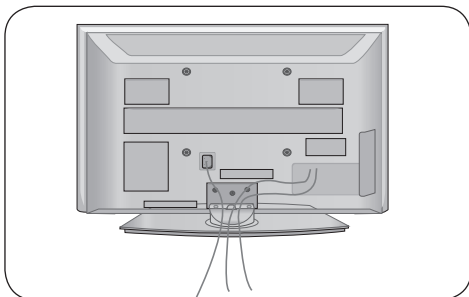
2 Install the CABLE MANAGEMENT CLIP as shown.

42PG63**

Fix the **Cable Holder** as shown and bundle the cables.

CABLE MANAGEMENT CLIP

50PG63**

CABLE MANAGEMENT CLIP
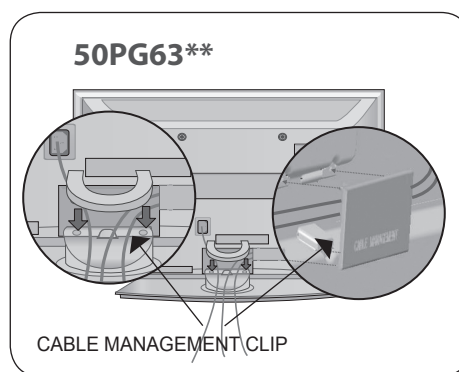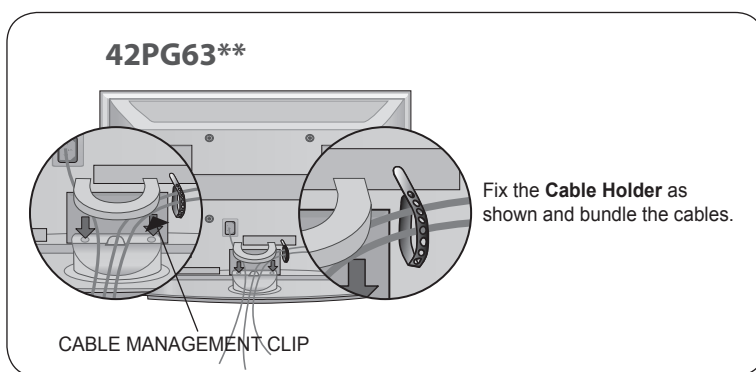
How to remove the cable management clip

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

For the 42PG63** model, press the center of the CABLE MANAGEMENT CLIP and then lift it.

42PG63**

50PG63**

Separate CABLE MANAGEMENT from TV by pressing two latches.
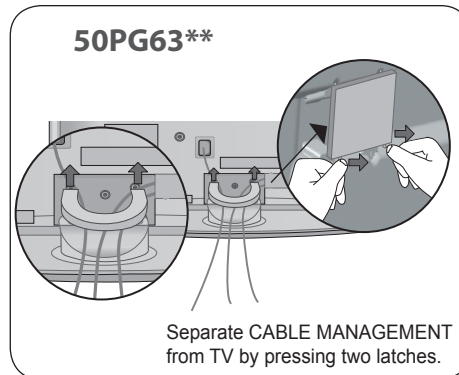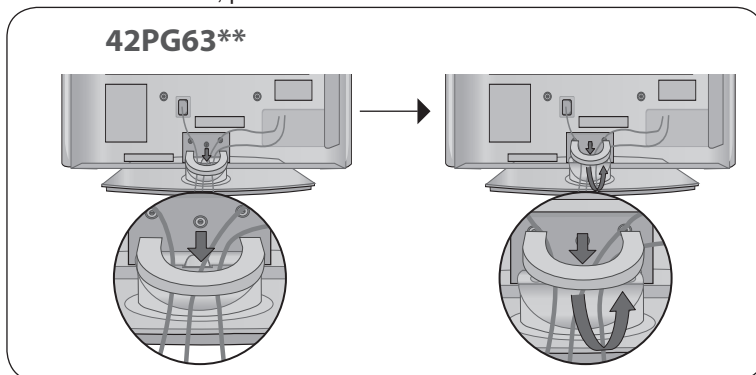
NOTE

► 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.

- 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.

Power Supply

Circuit breaker
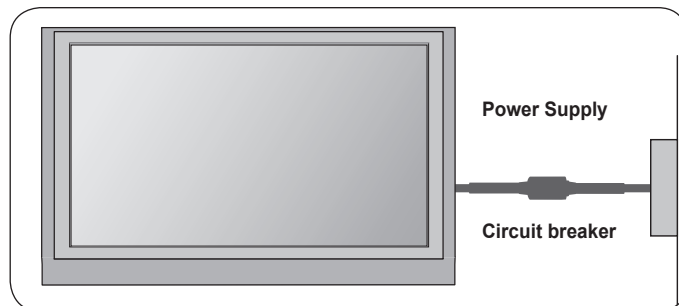
Desktop Pedestal Installation

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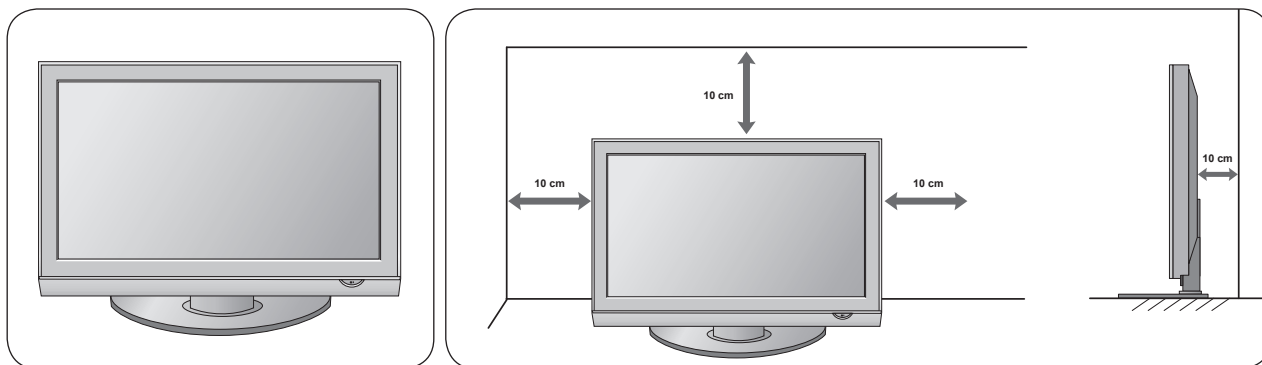
10 cm

10 cm

10 cm

10 cm

Wall Mount: Horizontal Installation

For adequate ventilation allow a clearance of 4" (10cm) all around the TV. We recommend that you use a wall mounting bracket of LG brand when mounting the TV to a wall.
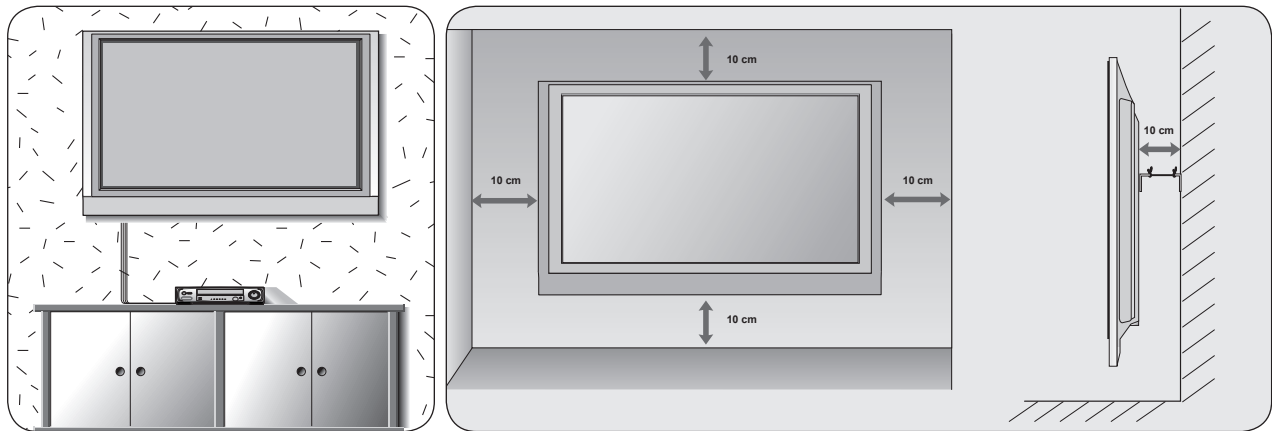
Not Using the Desk-type Stand

■ Image shown may differ from your TV.

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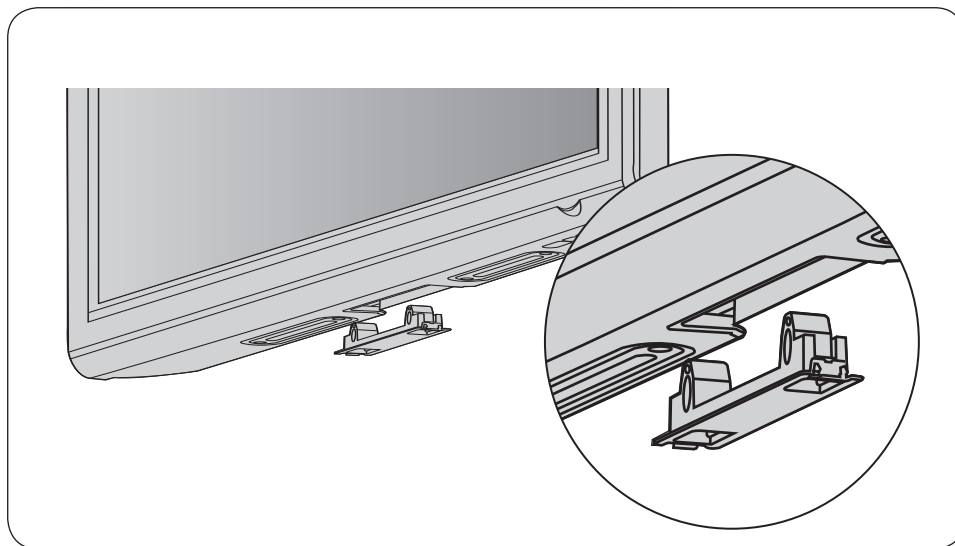
Antenna or Cable Connection

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

Antenna (Analog TV or Digital TV)

Wall Antenna Socket or Outdoor Antenna without a Cable Box Connections.
For optimum picture quality, adjust antenna direction if needed.

Wall Antenna Socket

Multi-family Dwellings/Apartments
(Connect to wall antenna socket)

RF Coaxial Wire (75 ohm)

Outdoor Antenna (VHF, UHF)

Single-family Dwellings /Houses
(Connect to wall jack for outdoor antenna)

ANTENNA IN

Cable (Digital TV-C)

Cable TV Wall Jack

RF Coaxial Wire (75 ohm)

ANTENNA IN

Using both cable and antenna

Antenna

RF Coaxial Wire (75 ohm)

Cable TV Wall Jack

RF Coaxial Wire (75 ohm)

Diplexer (Signal Combinner)
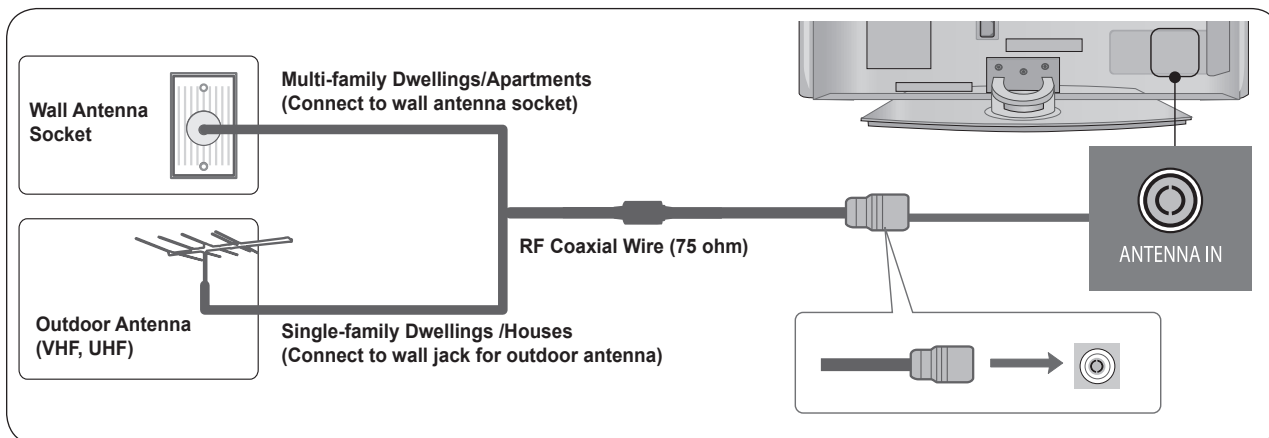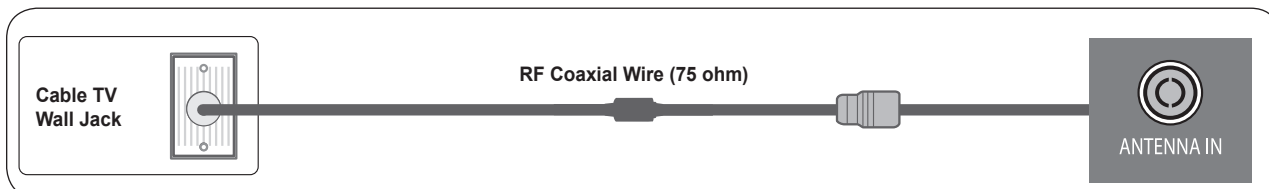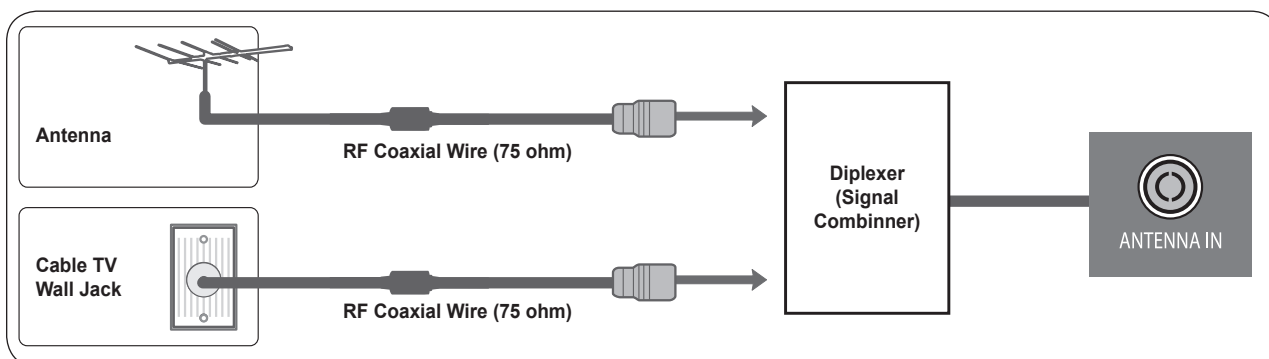
ANTENNA IN

NOTE

► If you connect both cable and antenna using diplexer to the TV, some channels with same frequency range may be not tuned.

■ **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.

■ 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, P_B, P_R) of the digital set top box to the **COMPONENT IN VIDEO** jacks on the TV.

2 Connect the audio outputs 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.

NOTE

► Depending on the manufacturer, the Y, P_B, P_R jacks may be identified as Y/Pb/Pr, Y/B-Y/R-Y or Y/Cb/Cr.
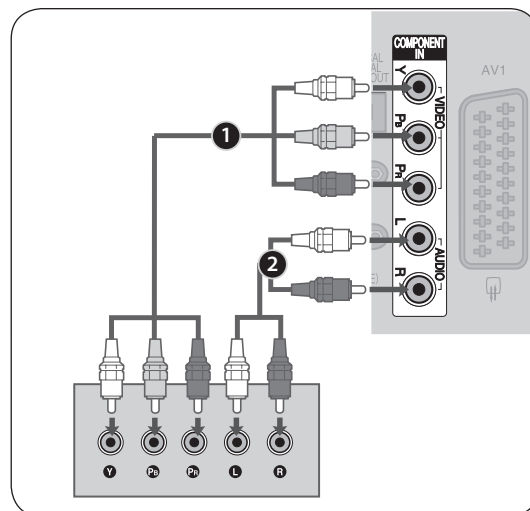
Connecting with a HDMI cable

1 Connect the HDMI output of the digital set-top box to the **HDMI/DVI IN 1, HDMI IN 2** or **HDMI IN 3** 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** or **HDMI3** input source using the **INPUT** button on the remote control.
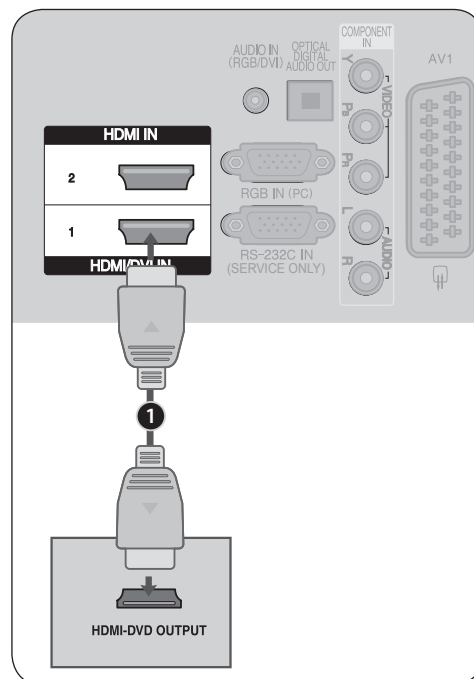
Connecting with a HDMI to DVI cable

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 **HDMI 1** input source using the **INPUT** button on the remote control.
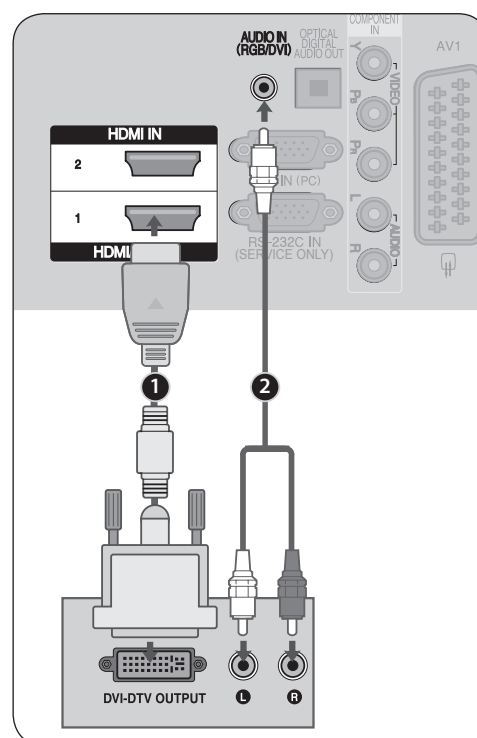
Digital Audio Out Setup (In Digital Mode Only)

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

1 Connect one end of an optical cable to the **OPTICAL DIGITAL AUDIO OUT** jack on the TV.

2 Connect the other end of the optical cable to the digital audio (optical) input on the audio equipment.

3 Turn on the audio equipment. (Refer to the external audio equipment instruction manual for operation.)

NOTE:

► This function is only available in Digital TV or Digital TV-C mode.

CAUTION

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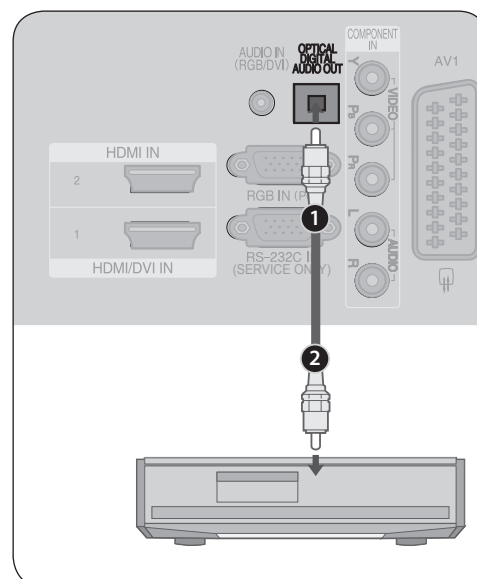
DVD Setup

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. (Refer to the DVD player's manual for operating instructions.)

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

NOTE

► Depending on the manufacturer, the Y, P$_B$, P$_R$ jacks may be identified as Y/Pb/Pr, Y/B-Y/R-Y or Y/Cb/Cr.
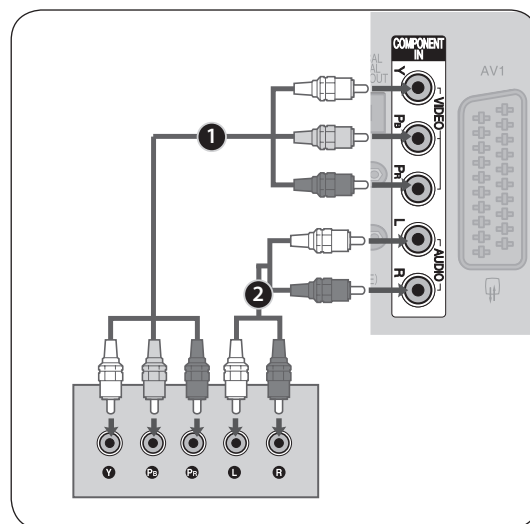
Connecting with a Euro Scart cable

1 Connect the Euro scart socket of the DVD to the **AV1** or **AV2** socket on the TV.

2 Turn on the DVD player, insert a DVD. (Refer to the DVD player's manual for operating instructions.)

3 Select **AV1** or **AV2** input source using the **INPUT** button on the remote control.

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 jack 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. (Refer to the DVD player's manual for operating instructions.)

4 Select **AV3(S-Video)** input source using the **INPUT** button on the remote control.

Connecting with a HDMI cable

1 Connect the HDMI output of the DVD to the **HDMI/DVI IN 1, HDMI IN 2** or **HDMI IN 3** jack on the TV.

2 Turn on the DVD player, insert a DVD. (Refer to the DVD player's manual for operating instructions.)

3 Select **HDMI1**, **HDMI2** or **HDMI3** input source using the **INPUT** button on the remote control.

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. To get the best picture quality, adjust the output resolution of the source device to 1280x720p.
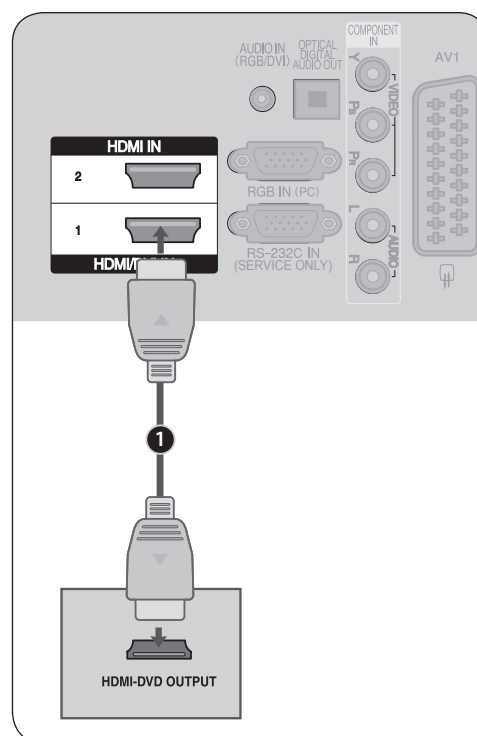
VCR Setup

■   To avoid picture noise (interference), allow adequate distance between the VCR and TV.

■   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
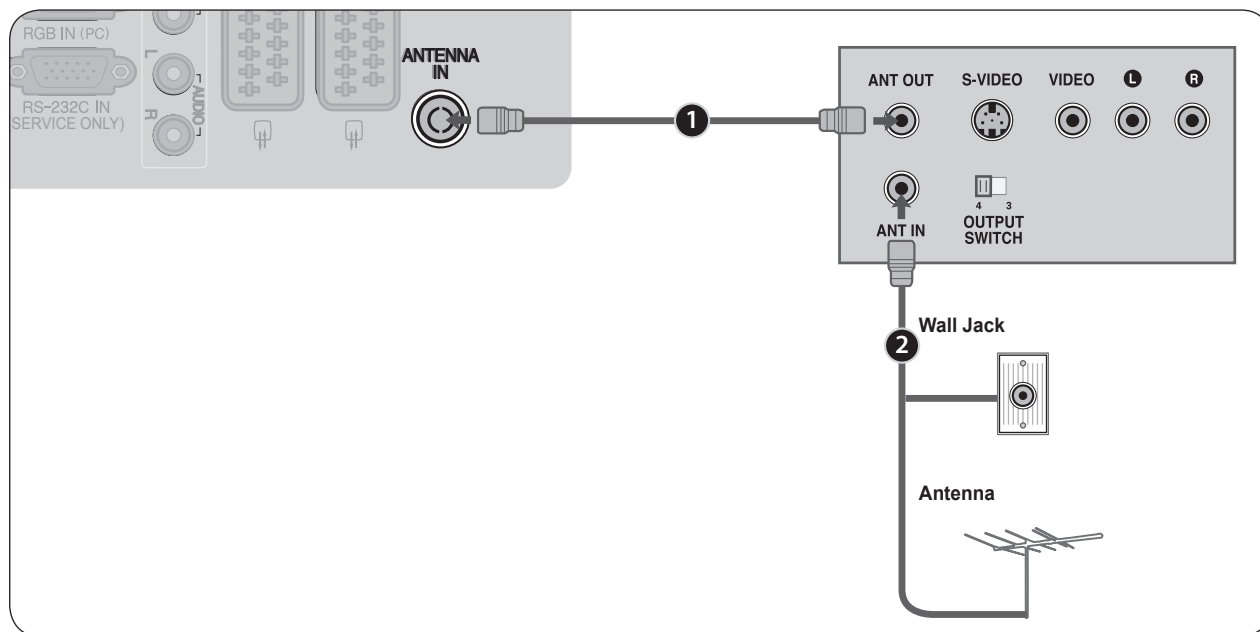
❶   Connect the ANT OUT socket of the VCR to the **ANTENNA IN** socket on the TV.

❷   Connect the antenna cable to the ANT IN socket of the VCR.

❸   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

❶   Connect the Euro scart socket of the VCR to the **AV1** or **AV2** socket on the TV.

❷   Insert a video tape into the VCR and press PLAY on the VCR. (Refer to the VCR owner's manual.)

❸   Select **AV1** or **AV2** input source using the **INPUT** button on the remote control.

NOTE

►   Any Euro scart cable used must be signal shielded.
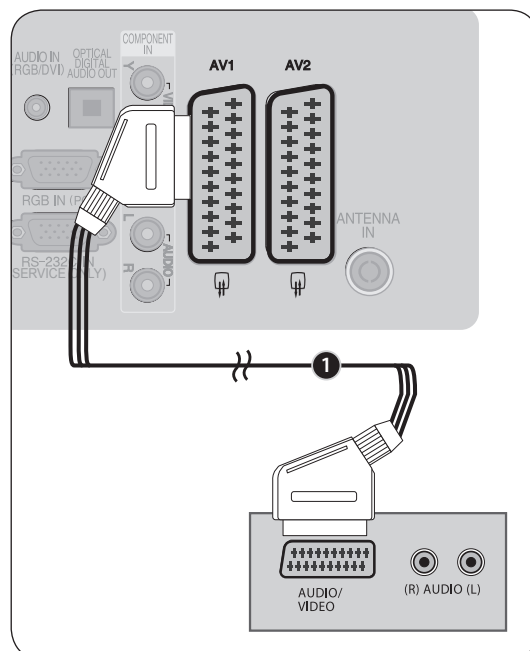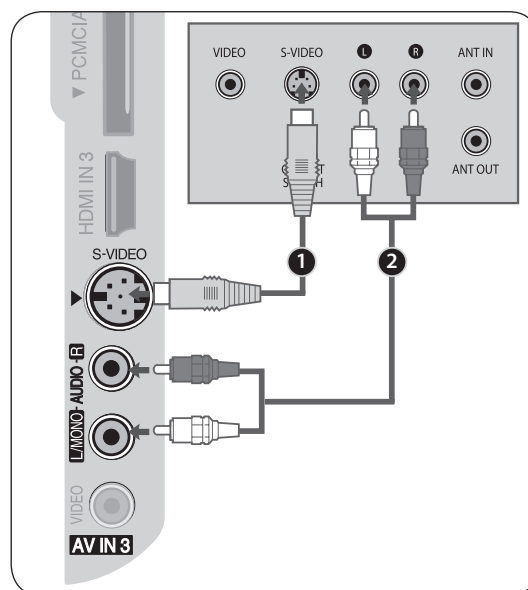
Connecting with a RCA cable

1 Connect the audio/video outputs of the VCR to the **AUDIO/VIDEO** jacks on the TV. 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(CVBS)** input source using the INPUT button on the remote control.

NOTE
► If you have a mono VCR, connect the audio cable from the VCR to the AUDIO L/MONO jack of the TV.
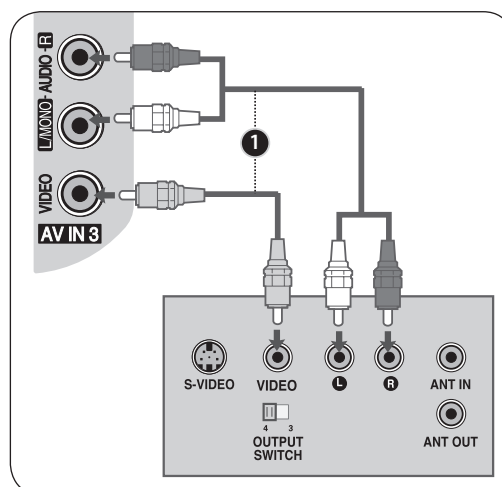
Connecting with a S-Video cable

1 Connect the S-VIDEO output of the VCR to the **S-VIDEO** input jack on the TV. 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(S-Video)** input source using the **INPUT** button on the remote control.

Other A/V Source Setup

Camcorder

VIDEO L R

Video Game Set
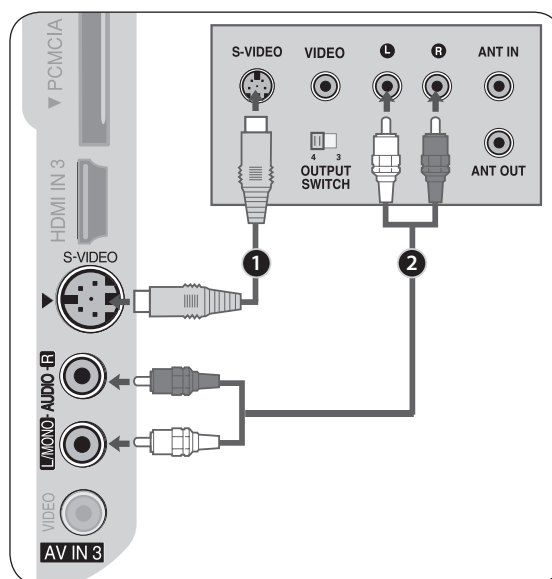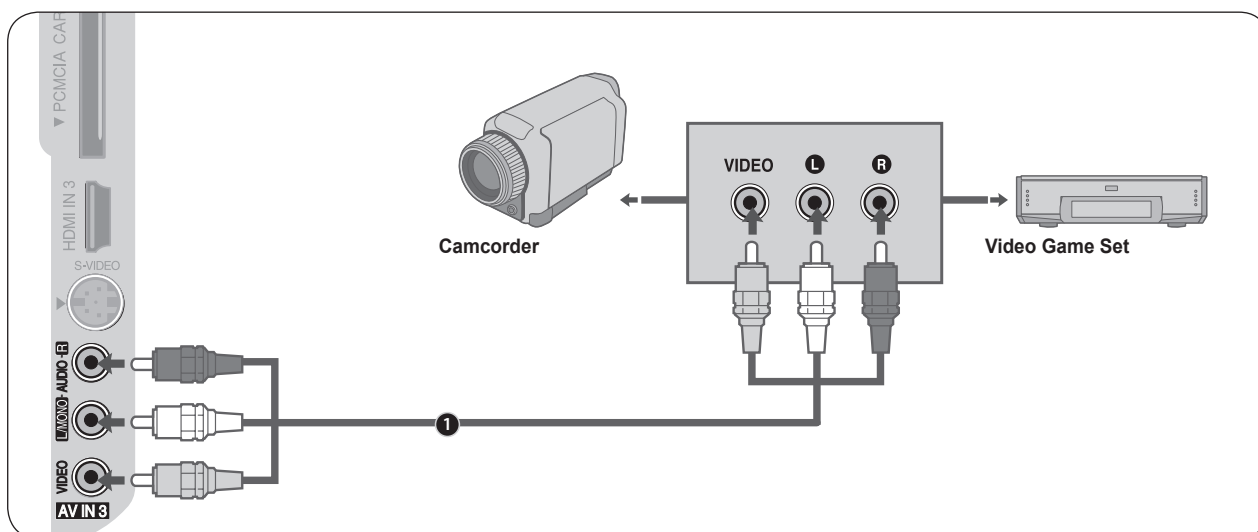
❶ Connect the **AUDIO/VIDEO** jacks between TV and external equipment. Match the jack colors. (Video = yellow, Audio Left = white, and Audio Right = red)

❷ Select **AV3(CVBS)** input source using the **INPUT** button on the remote control.

❸ Operate the corresponding external equipment. (Refer to external equipment operating guide.)

Insertion of CI Module

■ To view the encrypted (pay) services in digital TV mode.

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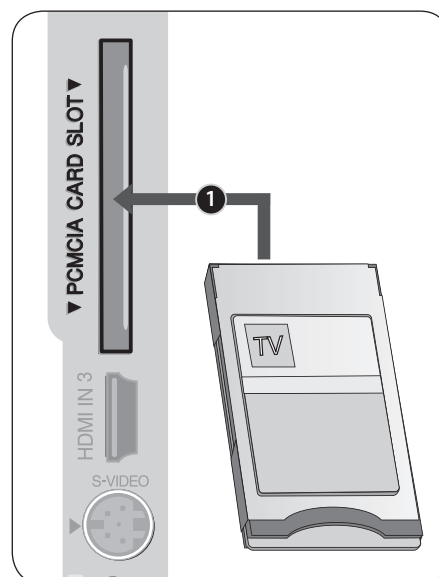
PC Setup

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 **PC** input source using the **INPUT** button on the remote control.
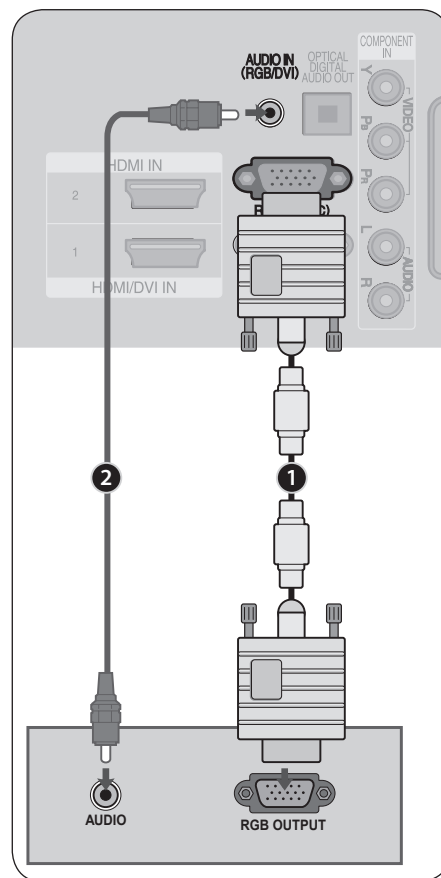
Connecting with a HDMI to DVI cable

1 Connect the DVI output of the PC to the **HDMI/DVI IN 1** 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 **HDMI 1** input source using the **INPUT** button on the remote control.

NOTE :

► To enjoy vivid picture and sound, connect a PC to the TV.
► Avoid keeping a fixed image on the TV'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 IN (PC) or HDMI/DVI IN 1 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 separated.
► We recommend using 1024x768, 60Hz (42PG63**) / 1360x768, 60Hz (50PG63**) for the PC mode, these should provide the best picture quality.
► Connect the signal cable from the monitor output port of the PC to the RGB IN(PC) port of the TV or the signal cable from the HDMI output port of the PC to the HDMI/DVI IN 1 port on the TV.
► Connect the audio cable from the PC to the AUDIO IN (RGB/DVI) 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 IN or HDMI/DVI IN 1 to display the PC output on the TV.
► If the graphic card on the PC does output analogue and digital RGB simultaneously, switch 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.
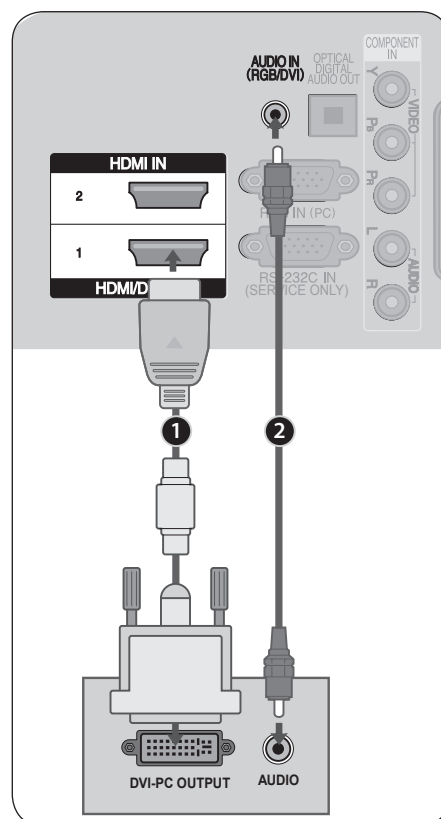
Supported Display Resolution

PC mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720 x 400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.317
1024 x 768	48.363	60.00
1280x768	47.776	59.87
1360x768	47.712	60.015
1920x1080	66.647	59.988

HDMI 1(DTV+PC) mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720x400	31.468	70.08
640x480	31.469	59.94
800x600	37.879	60.317
1024x768	48.363	60
1280x768	47.776	59.87
1360x768	47.712	60.015
720 x 480	31.47 31.50	59.9 60
720 x 576	31.25	50
1280 x 720	37.50 44.96 45.00	50.00 59.94 60.00
1920 x 1080	33.72 33.75 28.125 27.00 56.25 66.647 67.433 67.500	59.94 60.00 50.00 24.00 50.00 59.988 59.94 60.00

HDMI 2, HDMI 3 (DTV) mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
640x480	31.469 31.469	59.94 60
720 x 480	31.47 31.50	59.9 60
720 x 576	31.25	50
1280 x 720	37.50 44.96 45.00	50.00 59.94 60.00
1920 x 1080	33.72 33.75 28.125 27.00 56.25 67.433 67.500	59.94 60.00 50.00 24.00 50.00 59.94 60.00

Component mode

Resolution	Horizontal Frequency(kHz)	Vertical Frequency(Hz)
720 x 480	15.73 15.75 31.47 31.50	59.9 60 59.9 60
720 x 576	15.6 31.25	50 50
1280 x 720	37.50 44.96 45.00	50.00 59.94 60.00
1920 x 1080	33.72 33.75 28.125	59.94 60.00 50.00

Scart Output

Main Input	AV1(SCART1 Output)	AV2(SCART2 Output)
Digital TV	Digital TV	Digital TV
Digital TV-C	Digital TV-C	Digital TV-C
Analog TV	Analog TV	Analog TV
AV1(SCART1)		AV1(CVBS)
AV2(SCART2)		AV2(CVBS)
AV3(CVBS Side)		AV3(CVBS)
AV3(S-VIDEO Side)	Last RF	AV3(S-VIDEO)
Component	(Outputs the broadcast you watched last among Analog TV, Digital TV or Digital TV-C broadcast.)	AV Mute
PC		AV Mute
HDMI1		AV Mute
HDMI2		AV Mute
HDMI3(Side)		AV Mute

WATCHING TV/BASIC OPERATIONS

Remote Control key Functions

When using the remote control, aim it at the remote control sensor on the TV.
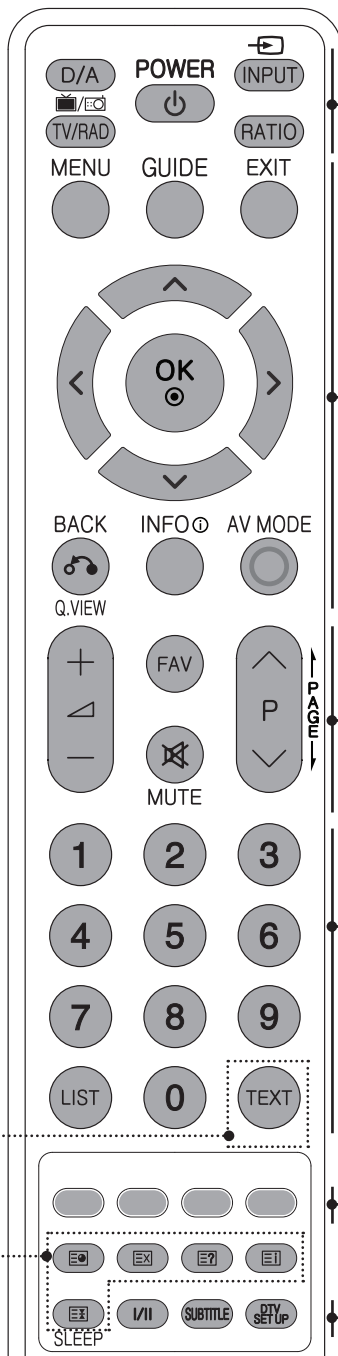
POWER	Switches the TV on from standby or off to standby.
D/A	Selects digital terrestrial, digital cable or analogue mode.
INPUT	Displays all available input sources. Switches the TV on from standby.
TV/RAD	Selects Radio or TV channel in digital mode.
RATIO	Selects your desired aspect ratio.

MENU	Selects a menu.
GUIDE	Shows EPG (Electronic Programme Guide) in digital mode.
EXIT	Clears all on-screen displays and returns to TV viewing from any menu.
THUMBSTICK (∧/∨/‹/›)	Allows you to navigate the on-screen menus and adjust the system settings to your preference.
OK	Accepts your selection or displays the current mode. Or displays the simple information.
BACK	Allows the user to move back one step in an interactive application, EPG or other user interaction function.
INFO ⓘ	Shows the present screen information.
AV MODE	Selects the picture and sound mode.
Q.VIEW	Returns to the previously viewed programme.

◿ + / -	Adjusts the volume.
FAV	Displays the selected favourite programme.
MUTE	Switches the sound on or off.
P ∧/∨	Selects a programme.

0~9 number button	Selects a programme. Selects numbered items in a menu.
LIST	Displays the channel list.

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

Colour buttons	These buttons are used for teletext, EPG or Programme edit.

SLEEP	Sets the sleep timer. (Not available in teletext mode)
I/II	Selects the sound output.
SUBTITLE	Recalls your preferred subtitle in digital mode.
DTV SETUP	Selects a DTV Setup menu in digital mode.

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.
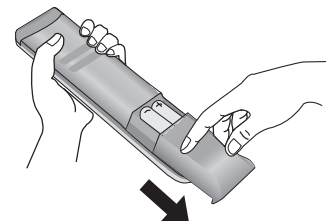
Turning on the TV

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 ⏻/|, **INPUT** or **P ▲/▼** button on the TV or press the **POWER**, **INPUT**, **P∧/∨** or **NUMBER** button on the remote control and the TV will switch on.
Firstly the progressing bar for loading application will be displayed for a few seconds.
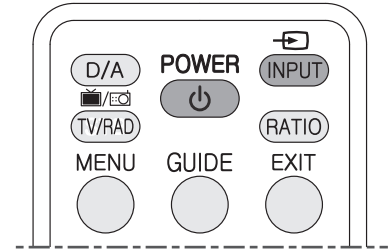
Installation Wizard

When you turn on your TV for the first time after purchase or perform the default setting in **Feature** menu, the Installation wizard will appear automatically. You can easily setup the available digital and analog channels using the wizard.

1 Language

Select the appropriate language from the list using the ∧/∨ button and press the **OK** button to save the selected language as a preferred language for menu, subtitle and audio.

NOTE

► Some DTV functions may not be available according to country.
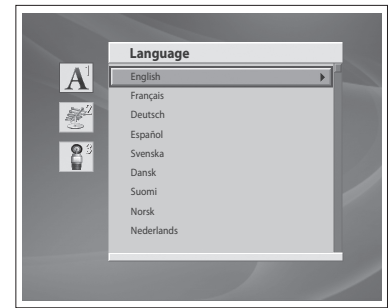
2 Digital Terrestrial Channel Search

Select the **Search Type**, **Channel**, **Frequency** and **Network Search** and then select **Next** to start the channel search.

Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** button.

If the channel search is stopped or finished, you can edit the found channels.

• **Select All**: Select all the found channels.

• **Unselect All**: Unselect all the found channels.

• **Delete**: Delete the selected channels.

Select **Save** and press the **OK** button to save the result and start the digital cable channel search.
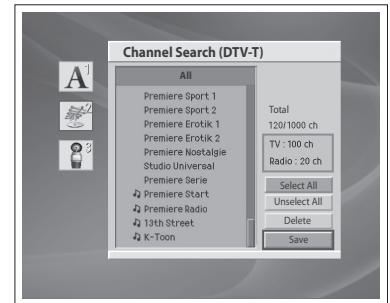
3 Digital Cable Channel Search

Select the **Search Type**, **Frequency**, **Symbol Rate** and **Network Search** and then select **Next** to start the channel search.

Please wait for finishing the channel search. If you want to stop the operation during search, press the **OK** button.

If the channel search is stopped or finished, you can edit the found channels.

Select **Save** and press the **OK** button to save the result and start the analog channel search.

WATCHING TV / BASIC OPERATIONS

4 Select Mode

Select the mode for your environment.

Each mode provides the optimal picture settings for each environment.

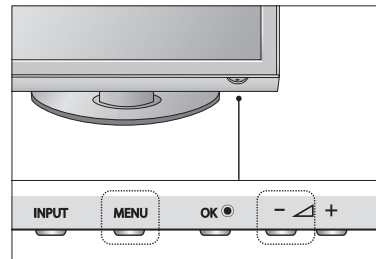Select **In-Store** if you are using the TV set in store. When the user changes the picture setting, the TV will automatically reset to initial settings after a certain period of time.

Select **Home** if you are using the TV set at home.

NOTE

► The Select Mode screen can also be shown by pressing the **MENU** and ⊿ **-** buttons on the front panel of the TV together for 5 seconds.
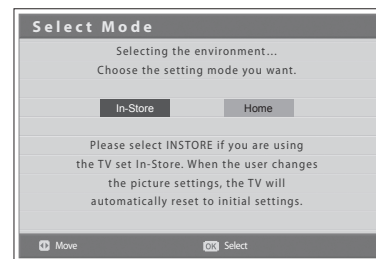
5 Analog Channel Search

It displays the default language, country and digital channel search result.

Press the **OK** button to search the analog channels.

Please wait for finishing the channel search. If you want to stop the operation during search, press the **BACK** button.

The found channels are automatically saved in order.
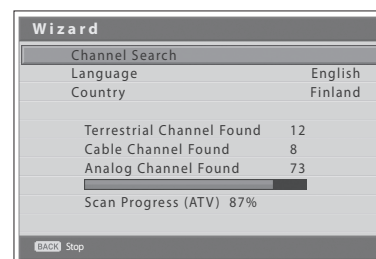
After finishing the analog channel search, press the **BACK** button to complete the installation wizard.

The first scanned channel, if only, will be automatically displayed.

WARNING

► The installation wizard will automatically exit after approx. 40 seconds unless a button is pressed.

► If you exit the installation wizard without fully completing the searching procedure, you may not have all of the channels available. In this case, you can use the **Installation** or **DTV Setup - Installation** menu to search for more channels.

Select Mode
Selecting the environment...
Choose the setting mode you want.

In-Store   Home

Please select INSTORE if you are using
the TV set In-Store. When the user changes
the picture settings, the TV will
automatically reset to initial settings.

Move   OK Select

INPUT   MENU   OK ⊙   − ⊿ +

Wizard
Channel Search
Language   English
Country   Finland

Terrestrial Channel Found   12
Cable Channel Found   8
Analog Channel Found   73

Scan Progress (ATV) 87%

BACK Stop

Wizard
Channel Search
Language   English
Country   Finland

Terrestrial Channel Found   12
Cable Channel Found   8
Analog Channel Found   80

BACK Exit Wizard

Switching Channel

1 Press the **P** ∧/∨ button.

2 Enter the channel number using the **NUMBER** buttons to move to the channel directly.

3 Press the **TV/RAD** button to switch between digital TV channels and radio channels.

4 Press the **Q.VIEW** button to go to the previous channel.

NOTE

► You can switch channels using the channel list or EPG.
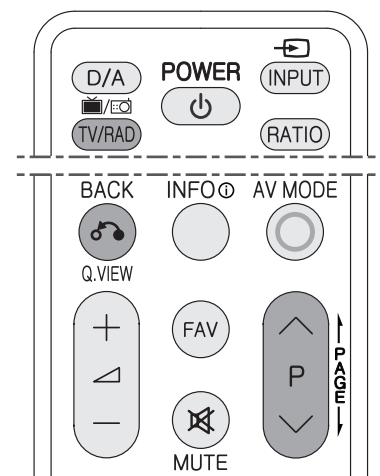
Volume Control

1 Press the ⊿ **+/-** button to adjust the audio volume.

2 Press the **MUTE** button to stop the audio temporarily. You can cancel this function by pressing the **MUTE** or ⊿ **+/-** button.

NOTE

► The mute function remains set while you switch channels.
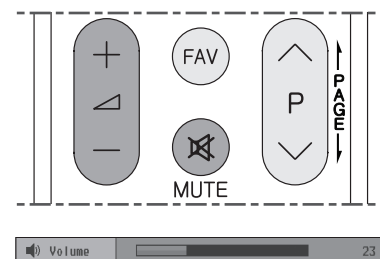
Displaying Information

Programme Information (i- plate) (In Digital Mode Only)

Programme information (except the detailed programme information) is displayed for a certain period of time whenever you switch channels. You can view the programme information by pressing the **INFO**ⓘ button while watching a programme. Press the **INFO**ⓘ button again to hide the i-plate.

The information is displayed as follows on the screen.
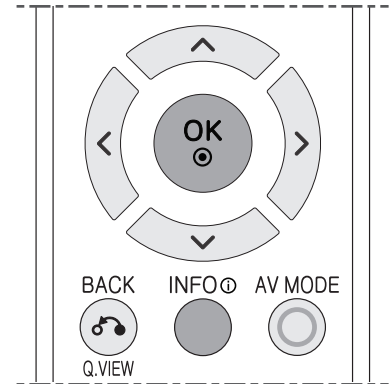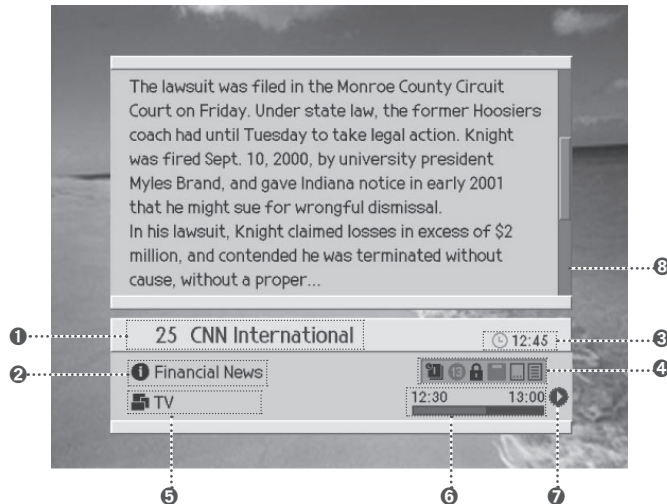
❶ Channel number and channel name

❷ Programme name

❸ Current time

❹ Icons

|			
⒤	Reserved programme	...	Subtitle information
🔒	Locked channel	▤	Teletext information
▭	Scrambled channel	⑬	Parental control level (minimum age for viewing)
Compressed	Compressed bitstream audio signal		

❺ Current channel list

❻ Programme broadcasting time and progress bar

❼ Next programme information : Displayed if next programme information is provided. Press the > button to display the next programme information.

❽ Detailed programme information

NOTE

► If there is no programme information available, programme information is not displayed.

You can also view the simple information by pressing the **OK** button.
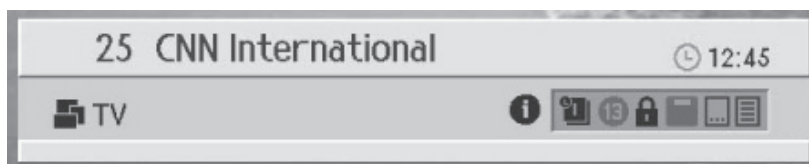
Simple Information (except for Digital Mode)

You can view the information such as the channel number (or input source), current time and sound information (or source resolution) by pressing the **INFO**ⓘ or **OK** button while watching an analog TV channel or external input source.

P 11 -----
16 : 34
Mono

AV1
16 : 34

Component
16 : 34
720 x 480p
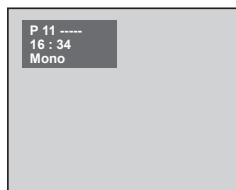
▲ Analog TV Input
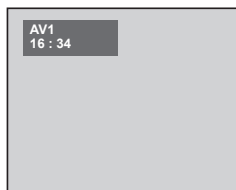
▲ External Input
(AV1/2/3)
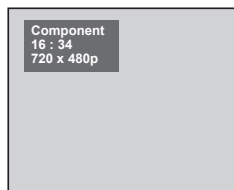
▲ External Input
(Component, PC, HDMI1/2/3)

NOTE

► Whenever you switch channels, this information is displayed for a few seconds.

OK

BACK INFOⓘ AV MODE

Q.VIEW

WATCHING TV / BASIC OPERATIONS
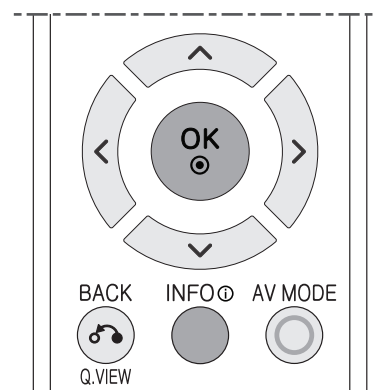
Displaying Channel List

Digital Channel List (In Digital Mode Only)

Three types of channel lists are provided for easy and quick channel browsing.

TV	The list of all Digital TV channels
Radio	The list of all Digital radio channels
FAV-T or **FAV-C**	The list of Digital favourite channels (Terrestrial or Cable)

You can display channel list using the **LIST** button and switch to another channel on the channel list.

1 Press the **LIST** button while watching a programme to display the channel list.

2 Select a channel using the ∧/∨ button and press the **OK** button to change the channel.

3 Enter the channel number directly using the **NUMBER** buttons to move the cursor to the channel you want. And then press the **OK** button to change to the selected channel.

4 Press the ◁/▷ button to change a channel list group while the channel list is displayed.

NOTE

► Press the **P∧/∨(Page)** button to move to the previous/next page.
► Each time you press the **TV/RAD** button while the channel list is displayed, the channel list will be switched between TV and radio channel list.
► If **Within the current channel list** option is selected in **DTV SETUP-Edit Channels-Channel Change Mode**, you can only change programme within the selected channel list using the **P∧/∨** button while watching a programme.
► To display scramble icon(▭) in the channel list, select **On** in **DTV SETUP-Preferences-Miscellaneous Settings-Option in CH List** menu.
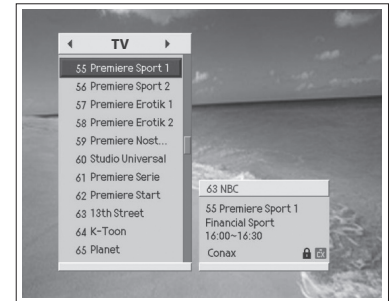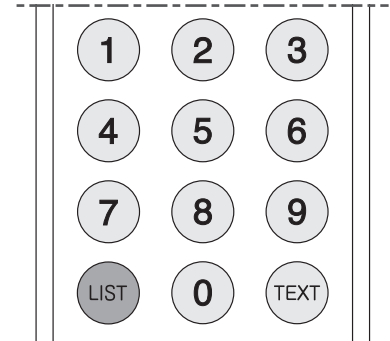
Analog Channel List (In Analog Mode Only)

You can view the list of all analog channels using the **LIST** button and switch to other channels on the channel list.

1 Press the **LIST** button while watching the analog channels.

2 To change the channel in analog channel list, select your desired channel using the ∧/∨ button and press **OK** button. The selected channel is displayed.

I/II
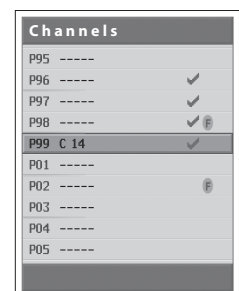
Stereo/Dual Reception (In Analog Mode Only)

Whenever you switch channels or press the **INFO**ⓘ or **OK** button in analog TV mode, you can see the sound information of the current channel.

Mono sound selection

If the stereo signal is weak in stereo reception, you can switch to mono by pressing the **I/II** button twice. In mono reception, the clarity of sound is improved. To switch back to stereo, press the **I/II** button twice.

Language selection for dual language broadcast

If a programme can be received in two languages (dual language), you can switch to Dual1, Dual2 by pressing the **I/II** button repeatedly.

Dual1   Sends the primary broadcast language to the loudspeakers.

Dual2   Sends the secondary broadcast language to the loudspeakers.
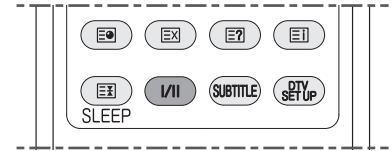
NICAM Reception (In Analog Mode Only)

If the TV is equipped with a receiver for NICAM reception, high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.

Sound output can be selected according to the type of broadcast received by pressing the **I/II** button repeatedly.

❶   When **Nicam stereo** is received, you can select **Nic Stereo** or **Mono**.

❷   When **Nicam dual** is received, you can select **Nic Dual1**, **Nic Dual2** or **Mono**.

Audio Language Selection (In Digital Mode only)

If the current programme is available in multiple audio languages, you can select the language you prefer.

❶   Press the **I/II** button.

❷   Select an audio language you prefer using the ∧/∨ button to change audio immediately.

❸   Select the audio direction (left, right, stereo) using the ◁/▷ button.

NOTE

► You can select the default audio language in **DTV SETUP–Preferences–Language Setting–Audio Language** menu.

► If you select **Compressed** in **DTV SETUP-Preferences-Language Setting-Audio Priority** menu. the programme is automatically broadcasted in the compressed audio regardless of default audio language.

► If the programme is broadcast in the compressed bitstream audio signal, you cannot set the audio direction.

Setting the Subtitle (In Digital Mode Only)

If the programme provides subtitle information you can select the language for the subtitle.

➊ Press the **SUBTITLE** button.

➋ Select a subtitle language using the ∧/∨ button and press the **OK** button. Then the subtitle will be displayed in the selected language at the bottom of the screen.

➌ Select **Off** from the subtitle language list to hide subtitle from the screen.

NOTE

► You can select a default subtitle language in **DTV SETUP–Preferences–Language Setting–Subtitle Language** menu.
► You can use the hard of hearing subtitle if supplied by the broadcaster.
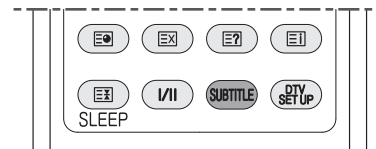
Selecting the Main Input Source

Once you have connected your various audio and video systems, you can view different sources by selecting input sources.

➊ Press the **INPUT** button.

➋ Select the main input among the sources using the ∧/∨ button.

Digital TV	Digital Terrestrial Broadcast
Digital TV-C	Digital Cable Broadcast
Analog TV	Analog Broadcast
AV1	SCART1 Input Source
AV2	SCART2 Input Source
AV3 (CVBS)	CVBS Input Source (on Side)
AV3 (S-Video)	S-VIDEO Input Source (on Side)
Component	Component Input Source
PC	PC Input Source
HDMI1	HDMI1 (or DVI Video) Input Source
HDMI2	HDMI2 Input Source
HDMI3	HDMI3 Input Source (on Side)

➌ Press the **OK** button.

➍ You can switch among Digital TV, Digital TV-C and Analog TV using the **D/A** button. In addition, press the **D/A** button to switch to **Digital TV** source from different external sources.
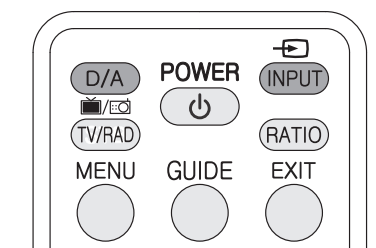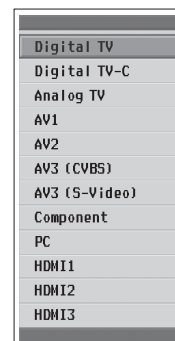
Selecting the Menu Language

You can select the language for displaying menus and indications.

1 Press the **MENU** button.

2 Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select the language of your choice using the ⟨/⟩ button. The On Screen Display (OSD) menu will be shown in the selected language.

```
MENU    GUIDE    EXIT
 ○       ○        ○
```

```
> Feature
  🖥   Language               English
      Time Setting
  ⊙   PC
      Screen
  📇   OSD Transparency          30
      ISM Method             Normal
  🔅   Power Saving          Level 0
      Default Setting
  🌐
  🔄 Move              🎛 Select
```
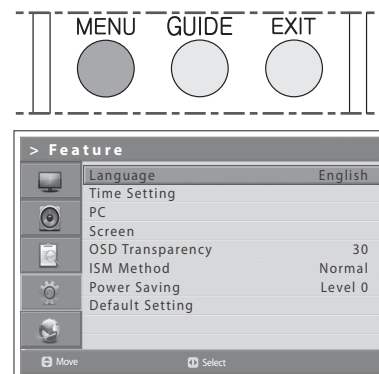
On-Screen Menus Selection and Adjustment

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

1 Press the **MENU** button to display the menu.

2 Press the ∧/∨ button to move among menus or items.

3 Press the **OK** or ⟩ button to select(enter) a menu or confirm a selection.

4 Press the ⟨/⟩ button to adjust the setting of an item. Use the ∧/∨ button in DTV Setup menu.

5 Press the **MENU** or **EXIT** button to return to normal TV viewing.

6 Press the **BACK** button to move to the previous menu screen.

```
MENU    GUIDE    EXIT
 ○       ○        ○

        ∧
     ⟨  OK  ⟩
        ⊙
        ∨

BACK   INFO①  AV MODE
 ↺       ○       ◎
```

On-Screen Menus

Picture

> Picture	
Mode	Standard
Brightness	50
Contrast	90
Sharpness	70
Colour	80
Colour Temp.	Medium
NR	Low
Fleshtone	Off

Move   Select

Sound

> Sound	
Effect	Standard
Balance	0
AVL	Off
SRS TruSurround XT	Off

Move   OK ▶ Enter
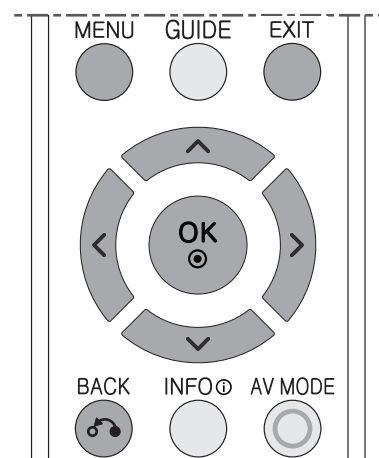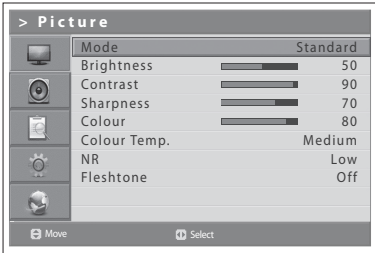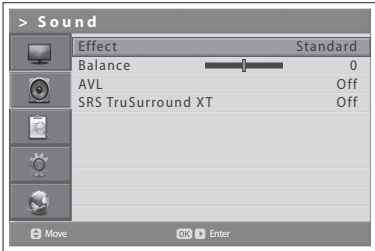
Installation (In Analog Mode Only)

> Installation	
Country	Finland
Auto Search	
Manual Search	
Edit Channels	

Move   OK ▶ Enter

Feature

> Feature	
Language	English
Time Setting	
PC	
Screen	
OSD Transparency	Disable
ISM Method	Normal
Power Saving	Level 0
Default Setting	

Move   OK ▶ Enter

DTV Setup (In Digital Mode Only)

> DTV Setup	
DTV Setup	

Move   OK ▶ Enter

Preferences

▶ Preferences	
① Prental Control	▶
② Language Setting	
③ Schedule	
④ Miscellaneous Settings	

Channel view control

Edit Channels

◀ Edit Channels	
① Edit Channel Lists	▶
② Edit Favourite Channels	
③ Channel Change Mode	

Channel editor

Installation

◀ Installation	
① Installation (DTV-C)	▶
② Installation (DTV-T)	

OK / ▶ Move to the selected submenu

System

◀ System	
① Status	▶
② Signal Detection	
③ Common Interface	

System information display

Preferences
Edit Channels
Installation
System
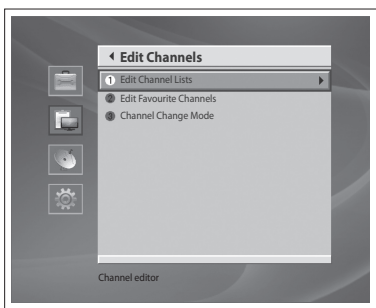
Setting the Aspect Ratio

You can select the modes by simply pressing the **RATIO** button on the remote control.

Original > 4:3 > 14:9 > 16:9 > Zoom1 > Zoom2 > Just Scan
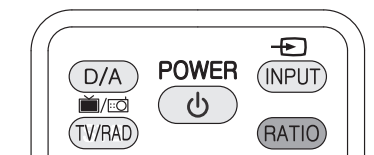
Original

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

4:3

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

14:9

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

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).

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.
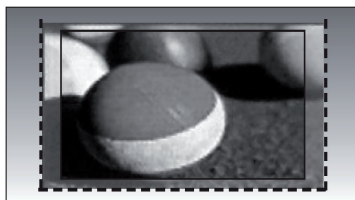
Just Scan

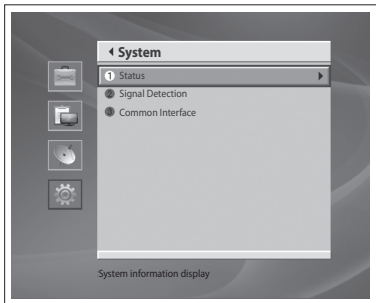Following Selection will lead to you view the picture of best quality without loss of original picture in high resolution image.

NOTE

► If there are interference in original picture, you can view interference at the edge.
► Specification is subject to change without prior notice.
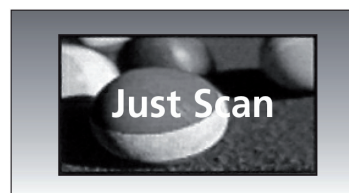
Zoom2

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 not select Zoom1 or Zoom2 in **Component**, **HDMI** or **PC** mode.
► You can only select **4:3**, **16:9** in **PC** or **HDMI** (with DVI) mode only.
► In HDMI (DTV format : 480p/720p/1080i/1080p) mode, **Just Scan** is available.

Displaying Teletext Information

You can display teletext information at any time on your TV.

Most TV broadcasting stations provide text information services via teletext. The index page of the teletext service gives you information on how to use the service. You can also select various options to fit your needs using the remote control buttons.

NOTE

► To properly display teletext information, channel reception must be stable. Otherwise, information may be missing or some pages may not be displayed.

TELETEXT function buttons are as follows:

TEXT (**Teletext On/Off**)
Activates or deactivates the teletext service.

▣⦿ (**Subpage**)
Displays the available subpage.

▣✕ (**Update**)
Displays TV programme when waiting for the new teletext page.

▣? (**Reveal**)
Shows the hidden information. (answers to quiz games, for example)
Press it again to return to normal display.

▣i (**Index**)
Displays the teletext index page.

▣✕ (**Hold**)
Holds the display on a given page if the selected page is linked with several secondary pages that automatically follow. To resume, press it again.

Number (0~9)
Press to enter the three-digit page number given in the content.

Coloured buttons (Red/Green/Yellow/Blue)
If the FASTEXT system is used by a broadcasting company, the different topics covered on a teletext page are colour-coded and can be selected by pressing the coloured buttons. Press one of them corresponding to your needs. The page is displayed with other coloured information that can be selected in the same way. To display the previous or next page, press the corresponding coloured button.
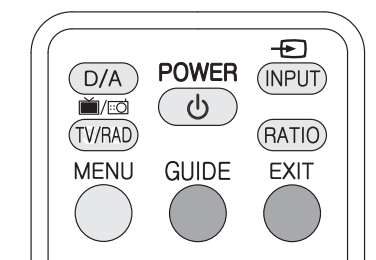
EPG (Electronic Programme Guide)

(In Digital Mode Only)

The EPG displays the programme information about each digital channel, based on the date and time. You can also schedule your watching using the information given.

Press the **GUIDE** button to display the EPG.

NOTE

► Press the **EXIT** or **GUIDE** button to exit the guide screen.

Viewing the Electronic Programme Guide

You can view programme information for all digital channels.

❶ Move to previous or next programme within the same channel using the ⟨/⟩ button.

❷ Move to another channel using the ∧/∨ button. If there are multiple channels, use the **P**∧/∨ button to move to channels by page. Also, you can enter the channel number using the **NUMBER** buttons on the remote control to move to the channel directly.

❸ Select a programme and press the **OK** button. Then you can watch the programme if it is on air.

❹ Press the **INFO**ⓘ button in the selected programme to view the detailed information (if available) of the selected programme.
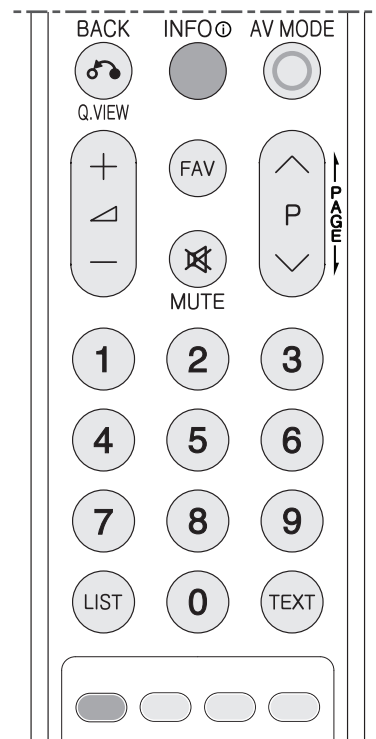
Viewing by Channel List Groups

You can view programme information of the selected channel list by groups.

❶ Press the **RED** button to display the channel list group.

❷ Select a channel list group using the ∧/∨ button.

❸ Move the cursor to the sub-group using the ⟩ button, select a sub-group using the ∧/∨ button and then press the **OK** button.

❹ The programme guide for the selected channel list is displayed.
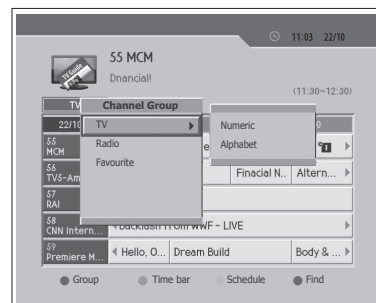
Viewing Using Time Bar

You can quickly search the time zone using the time bar.

➊ Press the **GREEN** button to display time bar.

➋ Select the each button using the ‹/› button and press the **OK** button to move the time bar. If you press the button repeatedly, the same operation is repeated.

➌ Each button functions as follows.

Now   Moves to the current programme where the cursor is located.
◄   Moves back to the previous programme or 30 minutes before.
►   Moves forwards to the next programme or 30 minutes ahead.
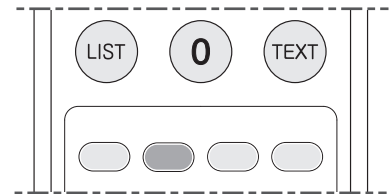◄◄   Moves back to 2 hours before.
►►   Moves forwards to 2 hours ahead.
◄Day   Moves back to one day before.
Day►   Moves forwards to one day ahead.

➍ Select ↰ button and press the **OK** button to exit the time bar.

Reserving a Watching

You can reserve a watching of the future programme in the Electronic Programme Guide (EPG).

➊ Select the desired programme and press the **OK** button. The confirm message will be displayed.

➋ Select **OK** and press the **OK** button to reserve the programme. When a reservation has been completed, the icon (⎀) is displayed on the reserved programme. Press the **OK** button again to cancel reservation.

➌ Press the **YELLOW** button to move to the Schedule screen. The schedule screen displays the reserved programme list and lets you review, edit or delete the reservations.

➍ By the reserved time, the programme will be displayed.

NOTE

► If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation. The default password is 0000. If you have forgotten your password, please contact your local TV distributor.
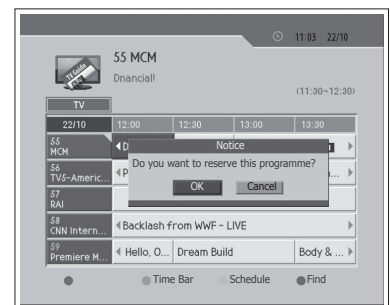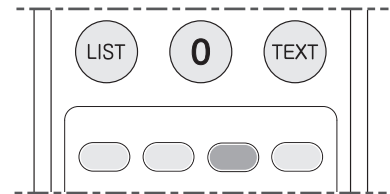
Finding a Programme

You can sufficiently find the programme you want by programme name or genre.

1 Press the **BLUE** button.

2 Enter the programme name directly using the keyboard displayed on the screen.

3 When entering programme name is complete, select **Find** and press the **OK** button.

NOTE

► Select the letter using the ∧/∨/‹/› button and press the **OK** button to enter the programme name on the keyboard screen.
► If you select **Previous** or **Next** on the keyboard displayed on the screen and press the **OK** button, the keyboard layout is switched.

4 Select **By Genre** and press the **OK** button to search programme by genre.

5 Select the genre using the ∧/∨/‹/› button and press the **OK** button.

6 If you select a programme from **Found Programme List** screen and press the **OK** button, you can watch the programme if it is on air or reserve it if it is the future programme. If you want to find another programmes, press the **BACK** button to return to the previous menu.

NOTE

► **Found Programme List** may differ depending on the provided programme information.
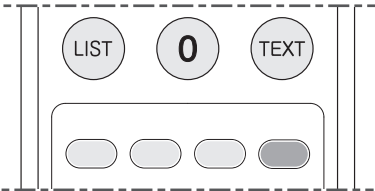
Viewing the Reserved Programme

You can add or edit the reservation using the Schedule screen.

Press the **YELLOW** button to display the schedule list.
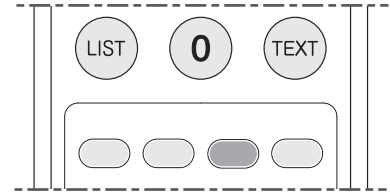
Adding a Reservation

1 Select a blank space and press the **OK** button to add a new reservation schedule.

2 Change **Channel No.** and **Time** using the **NUMBER** buttons.

3 Change **Repeat** mode using the ⟨/⟩ button. The options are **Once**, **Daily** and **Weekly**.

4 Select **Save** and press the **OK** button to complete.

5 Select **Cancel** and press the **OK** button to cancel the reservation.

NOTE

► If the programme is overlapped with another programme, adjust the reservation appropriately.

► If the channel is locked, restricted by watching time, you will be prompted to enter your password to complete the reservation. The default password is 0000. If you have forgotten your password, please contact your local TV distributor.
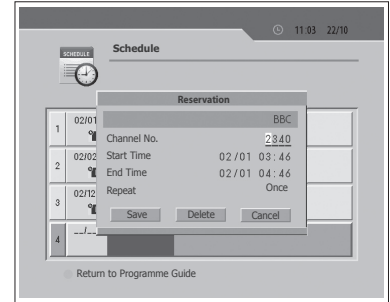
Editing a Reservation

1 Select the scheduled programme and press the **OK** button to edit the reservation information.

2 Change **Channel No.** and **Time** using the **NUMBER** buttons.

3 Change **Repeat** mode using the ⟨/⟩ button. The options are **Once**, **Daily** and **Weekly**.

4 Select **Save** and press the **OK** button to complete.

5 Select **Cancel** and press the **OK** button to cancel the editing.

6 Select **Delete** and press the **OK** button to delete the reserved TV.

CHANNEL SETUP

Setting Digital Channels
(In Digital Mode Only)

Digital channels can be searched and edited only in Digital TV or DigitalTV-C input mode.

NOTE
- ► Press the **BACK** or ‹ button to save the changes and return to the previous menu. Press the **DTV SETUP** or **EXIT** button to exit from the menu screen.
- ► You can easily select all menu items using the assigned number for each menu.
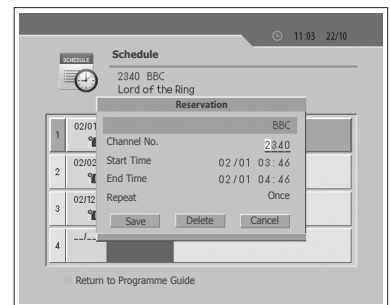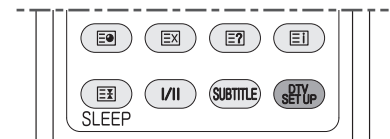- ► The default password is 0000. If you have forgotten your password, please contact your local TV distributor.

Automatic Search

If your TV is connected to the aerial, you can automatically search channels without entering any other information.

1 Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or › button.

3 Select **Installation(DTV-C)** or **Installation(DTV-T)** using the ∧/∨ button and press the **OK** or › button.

4 Select **Automatic Search** using the ∧/∨ button and press the **OK** or › button.

5 Wait while channel search continues. This may take a few minutes.

6 While operating search, the cursor is located at **Stop**. Therefore, if you press the **OK** button during searching, the operation is stopped and the channels found until then will be displayed.

7 If search operation is successfully completed and the channel does not exist, press the **OK** button and try to reset the search operation again if necessary.

8 You can delete unnecessary channels from the searched channels. Select the channels to delete and press the **OK** button. Then select **Delete** and press the **OK** button. To delete all channels, select **Select All** to select all channels, select **Delete** and press the **OK** button.

9 When completing channel search and deleting unnecessary channels, select **Save** and press the **OK** button to save the changes.
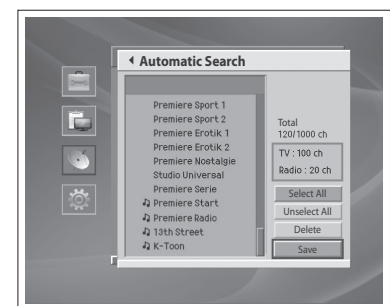
Linear Search (In Digital TV-C Mode Only)

You can search channels by setting the range of frequencies and other parameters.

1 Press the **DTV SETUP** button.
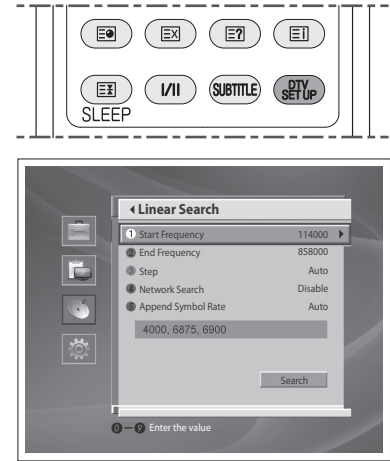
2 Select **Installation** using the ∧/∨ button and press the **OK** or > button.

3 Select **Installation (DTV-C)** using the ∧/∨ button and press the **OK** or > button.

4 Select **Linear Search** using the ∧/∨ button and press the **OK** or > button.

5 Select **Start/End Frequency** using the ∧/∨ button and press the **OK** or > button.
Enter the frequency using the **NUMBER** buttons.

6 Select **Step** using the ∧/∨ button and press the **OK** or > button.
Select an option among **Auto**, **250**, **1000**, **7000** and **8000** using the ∧/∨ button and press the **OK** button. If you do not know the value, please select **Auto**. If the required value does not exist, select **User Define** and enter the value directly.

7 Select **Network Search** using the ∧/∨ button and press the **OK** or > button.
Select an option among **Disable**, **Enable** and **User Define** using the ∧/∨ button and press the **OK** button.
When you select **User Define** to set the network manually, enter network value using the **NUMBER** buttons.

8 Select **Append Symbol Rate** using the ∧/∨ button and press the **OK** or > button.
Select the symbol rate using the ∧/∨ button and press the **OK** button.
It will be displayed symbol rates that you selected. The TV will search channels by all of symbol rates that you selected.

9 Select **Search** using the ∧/∨ button and press the **OK** button to start the linear search.
The next procedures are similar to those for the automatic search. Please refer to **Automatic Search** (p.39).

CHANNEL SETUP

Manual Search

You can search channels manually by searching parameters, using the MUX information.

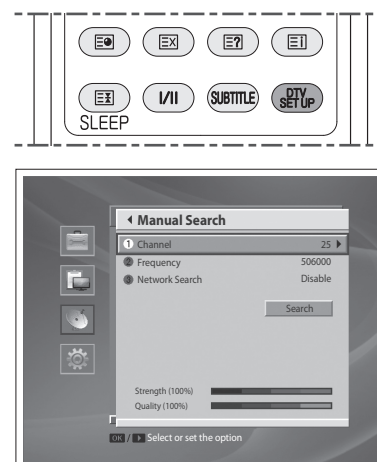**1** Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or > button.

3 Select **Installation (DTV-T)** using the ∧/∨ button and press the **OK** or ⟩ button.

4 Select **Manual Search** using the ∧/∨ button and press the **OK** or ⟩ button.

5 Select **Channel** using the ∧/∨ button and press the **OK** or ⟩ button. Select one of channels using the ∧/∨ button and press the **OK** button. When entering channel value, the appropriate frequency value is displayed.

6 Select **Frequency** using the ∧/∨ button and press the **OK** or ⟩ button. Enter the frequency using the **NUMBER** buttons and press the **OK** button. When entering frequency, the appropriate channel for the entered frequency is automatically displayed on channel.

7 Select **Network Search** using the ∧/∨ button and press the **OK** or ⟩ button to select **Enable/Disable**.

8 Select **Search** using the ∧/∨ button and press the **OK** button. Channel search will activate.

◀ Manual Search	
Channel	25 ▶
Frequency	506000
Network Search	Disable
	Search
Strength (100%)	
Quality (100%)	

OK / ▶ Select or set the option

Manual Search (In Digital TV-C Mode Only)

If your TV is connected to the cable and TV, you can search channels manually by searching parameters, if you know the MUX information.

1 Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Installation (DTV-C)** using the ∧/∨ button and press the **OK** or ⟩ button.

4 Select **Manual Search** using the ∧/∨ button and press the **OK** or ⟩ button.

5 Select **Frequency** using the ∧/∨ button and press the **OK** or ⟩ button. Select frequency value using the ∧/∨ button and press the **OK** button.

When you select **User Define** to set frequency manually, enter frequency value using the **NUMBER** buttons.

6 Select **Symbol Rate** using the ∧/∨ button and press the **OK** or ⟩ button. Select the symbol rate value using the ∧/∨ button and press the **OK** button. When you select **User Define** to set symbol rate manually, enter symbol rate value using the **NUMBER** buttons.

7 Select **Network Search** using the ∧/∨ button and press the **OK** or ⟩ button. Select **Enable/Disable** using the **OK** or > button.

NOTE

► Enable allows you to use **Network ID**.

8 Select **Search** using the ∧/∨ button and press the **OK** button to start manual search.
The next procedures are similar to those for the automatic search. Please refer to **Automatic Search** (p.39).
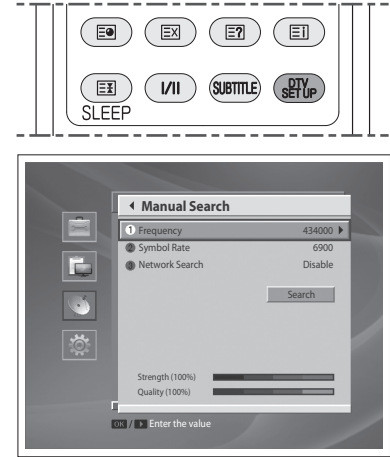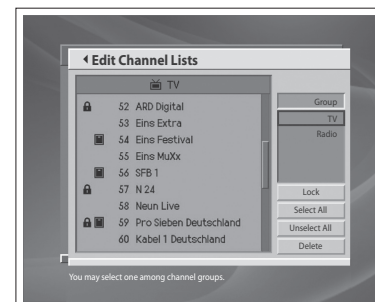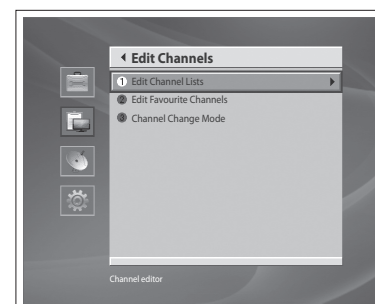
CHANNEL SETUP

Edit Channel Lists

1 Press the **DTV SETUP** button.

2 Select **Edit Channels** using the ∧/∨ button and press the **OK** or › button.

3 Select **Edit Channel Lists** using the ∧/∨ button and press the **OK** or › button.

4 You will be prompted to enter your password. Enter your password using the **NUMBER** buttons.

5 To select the channel list group, press the **OK** or > button in **Group** and then select a group using the ∧/∨ and **OK** button.

NOTE
► Press the **TV/RAD** button to move to the TV or radio channel list directly.

6 To select channels, choose a channel using the ∧/∨ button and then press the **OK** button. You can select multiple channels.

7 Select **Delete** and press the **OK** button to delete the selected channel.

8 Select **Lock/Unlock** and press the **OK** button to lock/unlock the selected channel.

NOTE
► When the locked channel(s) is selected or all channels are locked, Lock is switched to Unlock.
► Enter the password using the **NUMBER** buttons to watch locked channels.

9 Select **Select All/Unselect All** and press the **OK** button to select/unselect all channels at once.

▣•	▣X	▣?	▣!
▣⫶	I/II	SUBTITLE	DTV SET UP

SLEEP

◄ Edit Channels
- ① Edit Channel Lists ▶
- ⦿ Edit Favourite Channels
- ⦿ Channel Change Mode

Channel editor

◄ Edit Channel Lists

📺 TV

🔒	52 ARD Digital	Group
	53 Eins Extra	TV
▣	54 Eins Festival	Radio
	55 Eins MuXx	
▣	56 SFB 1	
🔒	57 N 24	Lock
	58 Neun Live	Select All
🔒▣	59 Pro Sieben Deutschland	Unselect All
	60 Kabel 1 Deutschland	Delete

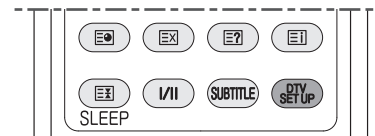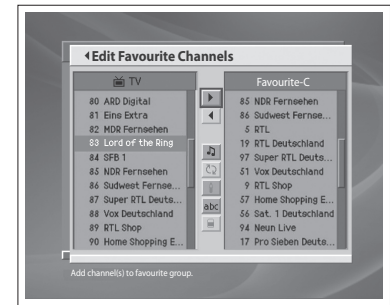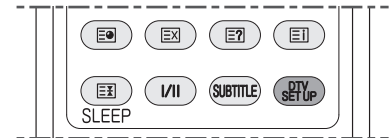You may select one among channel groups.

Edit Favourite Channels

1 Press the **DTV SETUP** button.

2 Select **Edit Channels** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Edit Favourite Channels** using the ∧/∨ button and press the **OK** or ⟩ button.

The buttons for editing favourite channel list are described in the following table.

▶	**Add**	Adds favourite channel.
◀	**Remove**	Removes from favourite channel.
♪	**TV/Radio**	Switches between TV and radio channel list.
⟳	**Move**	Moves the order of channel list within favourite channel list.
⬚	**Rename**	Renames the name of favourite channel list.
abc	**Sort**	Sorts channels by number or name in all TV/radio channel list.
▣	**Unselect All**	Unselects all the selected channel.

Channel Change Mode

You can change the channel either in the group or in the entire groups while watching a programme.

1 Press the **DTV SETUP** button.

2 Select **Edit Channels** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Channel Change Mode** using ∧/∨ button and press the **OK** or ⟩ button.

4 Select **All Channels** or **Within the Current Channel List** using the ∧/∨ button and press the **OK** button.

All Channels
: Changes the channel either within All TV channels (when watching a TV programme) or within All Radio channels (when watching a Radio programme), although the watching programme is the favourite channel and the current list is the favourite list (FAV-T or FAV-C).

Within the Current Channel List
: Changes the channel only within the current channel list (TV, Radio, FAV-T or FAV-C).
The Icon (🖥) of Channel looping mode is displayed next to the current channel list name in i-plate.
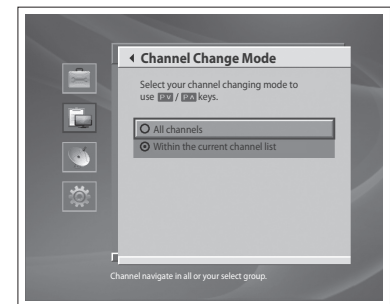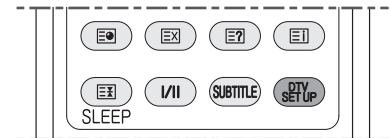
NOTE

► To switch into the channel in another channel list, change the channel list or select **All Channels** option.

Setting Analog Channels
(In Analog Mode Only)

Analog channels can be searched and edited only in Analog TV input mode.

Automatic Search

You can automatically search channels for the frequency ranges available (availability depends on your region).

1 Press the **MENU** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Auto Search** using the ∧/∨ button and press the **OK** or ⟩ button. **Search** is highlighted.

4 Press the **OK** button to start to search channels. The found channels are automatically saved in order. To stop searching channels, press the **BACK** button.

5 After the channel searching completes, the first found channel, if only, will be automatically displayed.

```
> Installation
        Country                    Finland
        Auto Search
        Manual Search
        Edit Channels


  Move              OK  Enter
```

```
>> Auto Search
        Search


        Analog Channel Found     30

        Scan Progress (ATV)  80%


  BACK  Stop
```
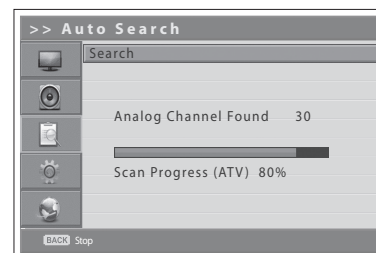
Manual Search

You can save each channel as you identify.

1 Press the **MENU** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Manual Search** using the ∧/∨ button and press the **OK** or ⟩ button. **Colour System** is highlighted.

4 Select the required broadcasting standard (**Auto**, **PAL**, or **SECAM**) using the ⟨/⟩ button. Select **Audio System** using the ∧/∨ button. Select the required audio system (**BG**, **I**, or **DK**) using the ⟨/⟩ button.
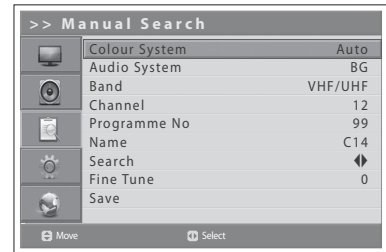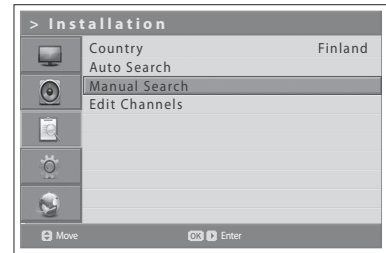
5 Select **Band** using the ∧/∨ button. Select the required signal source (**VHF/UHF** or **Cable**) using the ⟨/⟩ button.

6 Select **Channel** using the ∧/∨ button and choose the channel number pressing the ⟨/⟩ or **NUMBER** button.

7 Select **Programme No** using the ∧/∨ button and select the programme number you would like to assign by pressing the ⟨/⟩ or **NUMBER** button. To change channel names, select **Name** using the ∧/∨ button. Enter the new channel name using the ∧/∨/⟨/⟩ buttons and press the **OK** button.

8 Select **Search** using the ∧/∨ button and press the ⟨/⟩ button to start searching channels. During searching, the arrow blinks.

9 Select **Fine Tune** using the ∧/∨ button and press the ⟨/⟩ button to obtain a good quality of the picture and sound until you reach the optimal setting.

10 Select **Save** and press the **OK** button to save.

Channel mode display

► C (Air channel mode): You can select channels by entering the assigned number for broadcasting stations on air in this mode.
► S (Cable channel mode): You can select a channel by entering the assigned number for cable channels in this mode.

> Installation

Country	Finland
Auto Search	
Manual Search	
Edit Channels	

Move   OK ▸ Enter

>> Manual Search

Colour System	Auto
Audio System	BG
Band	VHF/UHF
Channel	12
Programme No	99
Name	C14
Search	◀▶
Fine Tune	0
Save	

Move   OK Select

Edit Channels

After channel searching completes, you can delete, skip, move or add into favorite channel group the saved analog channels.

1 Press the **MENU** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Edit Channels** using the ∧/∨ button and press the **OK** or ⟩ button. The **Edit Channels** menu will appear.

Skipping Channels

Once channels are selected to skip, you can select the skipped channels using number buttons only. The **P**∧/∨ buttons will not function for the skipped channels.

1 Select a channel to skip using the ∧/∨ button and press the **RED** button. (✔) mark appears next to the channel name. To clear the skipped channels, select the channel you don't want to skip and press the **RED** button.

Moving Channels

You can change the location of channels.

1 Select a channel to move the location using the ∧/∨ button and press the **GREEN** button. (●) mark appears next to the channel name.

2 Move the selection to a new location using the ∧/∨ button and press the **GREEN** button. The selected channel is moved to its new location and all other channels are shifted accordingly.

Deleting Channels

You can delete channels from the list.

1 Select a channel you want to delete using the ∧/∨ button and press the **YELLOW** button. The selected channel is deleted.

Adding Favourite Channels

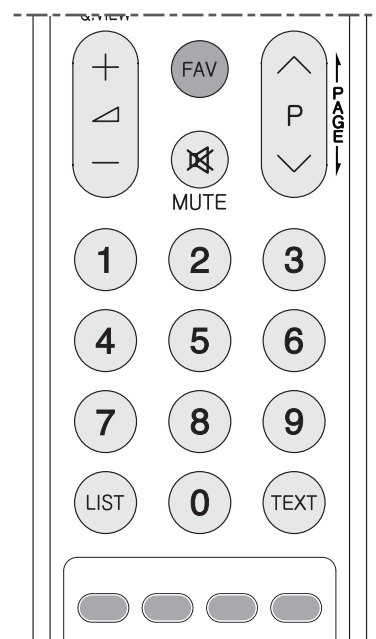You can add favourite channels into the favourite channel group.

1 Select a channel to add into the favourite channel group using the ∧/∨ button and press the **BLUE** button. (Ⓕ) mark appears next to the channel name. To delete the favourite channels from the group, select a favourite channel you want to delete and press the **BLUE** button.

If you press the **FAV** button, each favourite channel can be selected in sequent order.

NOTE

► The skipped channel can not be added into the favourite channel.

> **Installation**

	Country	Finland
	Auto Search	
	Manual Search	
	Edit Channels	

Move   OK ▶ Enter

>> **Edit Channels**

P 95 -----	✔
P 96 -----	✔
P 97 -----	✔
P 98 -----	✔
P 99 -----	✔
P 01 -----	✔
P 02 -----	Ⓕ
P 03 -----	✔
P 04 -----	Ⓕ

● Skip   ● Move   ● Delete   ● Fav
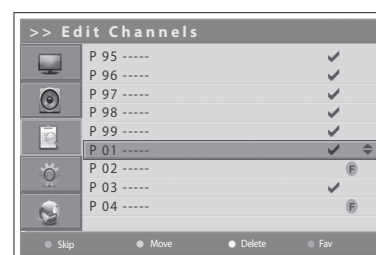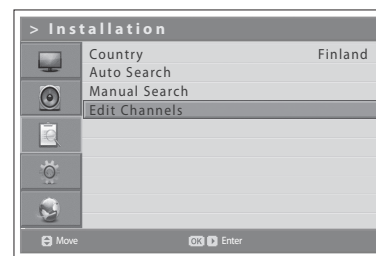
PICTURE SETTINGS

Selecting a Picture Mode

You can select the picture mode which best fits your viewing requirements.

1 Press the **MENU** button.

2 Select **Picture** using the ∧/∨ button and press the **OK** or ⟩ button.

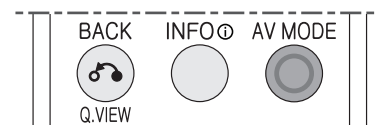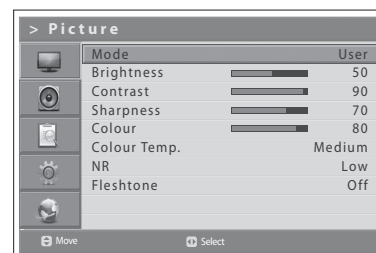**3** Select the required picture mode using the ⟨/⟩ button.
The following options are available:
Standard > Cinema > Sport > Game > User > Vivid

■ When the Intelligent sensor function is on, the most suitable picture is automatically adjusted according to the surrounding conditions.
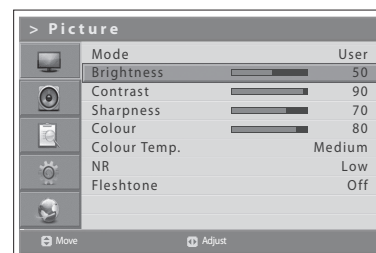
NOTE

► You can select a picture and sound mode by simply pressing the **AV MODE** button on the remote control. Press again to switch. (Off > Cinema > Sport > Game)

```
> Picture
         Mode              User
         Brightness         50
         Contrast           90
         Sharpness          70
         Colour             80
         Colour Temp.     Medium
         NR                Low
         Fleshtone         Off

  Move              Select
```

```
BACK    INFO⊙   AV MODE

  ⊙        ○        ◎
Q.VIEW
```

Customizing the Picture Setting

You can adjust the picture appearance to suit your preference and viewing situations when you select the picture mode to **User**.
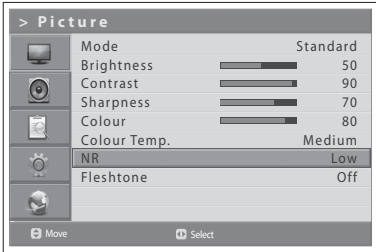
1 Press the **MENU** button.

2 Select **Picture** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select the picture mode to **User** using the ⟨/⟩ buttons.

4 Select the required option using the ∧/∨ button.
The following options are available:
Brightness > Contrast > Sharpness > Colour > Colour Temp.
■ Colour Temp. : Medium > Cool > Warm

5 Press the ⟨/⟩ button until you reach the optimal setting.
To select other options, repeat the steps from 4 to 5.

```
> Picture
         Mode              User
         Brightness         50
         Contrast           90
         Sharpness          70
         Colour             80
         Colour Temp.     Medium
         NR                Low
         Fleshtone         Off

  Move              Adjust
```

```
Brightness                 50
```

Noise Reduction

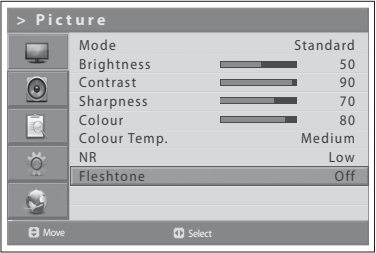You can reduce noise and reproduce images true to the original picture in a picture with noise.

1 Press the **MENU** button.

2 Select **Picture** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **NR** using the ∧/∨ button.

4 Select the required option by pressing the ⟨/⟩ button.
The following options are available.
Low > Medium > **High > Off**

```
> Picture
        Mode              Standard
        Brightness    ▭▬▭    50
        Contrast      ▭▬▬    90
        Sharpness     ▭▬     70
        Colour        ▭▬▬    80
        Colour Temp.      Medium
        NR                Low
        Fleshtone         Off

   Move           Select
```

Fleshtone

You can adjust the skin color level to make the skin tones of picture better.

1 Press the **MENU** button.

2 Select **Picture** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Fleshtone** using the ∧/∨ button.

4 Select the required fleshtone using the ⟨/⟩ button.
The following options are available.
Off > Low > Medium > High

```
> Picture
        Mode              Standard
        Brightness    ▭▬▭    50
        Contrast      ▭▬▬    90
        Sharpness     ▭▬     70
        Colour        ▭▬▬    80
        Colour Temp.      Medium
        NR                Low
        Fleshtone         Off

   Move           Select
```

SOUND SETTINGS

Setting the Sound Effect

You can select the type of special sound effect when watching a broadcast.

Sound Effect lets you enjoy the best sound without any special adjustment because the TV sets the appropriate sound options based on the programme content.
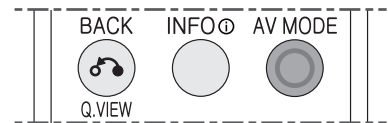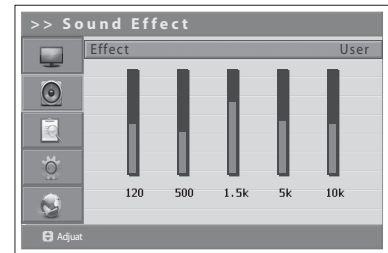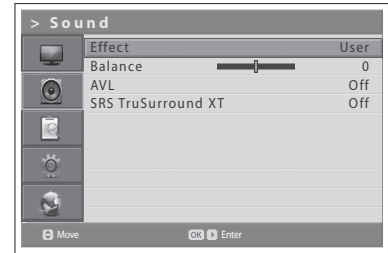
1 Press the **MENU** button.

2 Select **Sound** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Effect** using the ∧/∨ button and press the **OK** button.

4 Select the required sound effect using the ∧/∨ button when you select the effect to **User**.

The following options are available:

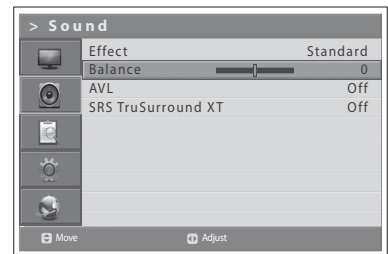**User > Standard > Music > Cinema > Sport > Game**

NOTE

► You can select a picture and sound mode by simply pressing the **AV MODE** button on the remote control. Press again to switch. (Off > Cinema > Sport > Game)

> Sound

	Effect	User
	Balance	0
	AVL	Off
	SRS TruSurround XT	Off

⊟ Move   OK ▶ Enter

>> Sound Effect

| | Effect | User |

120   500   1.5k   5k   10k

⊟ Adjuat

BACK   INFO①   AV MODE

Q.VIEW

Adjusting the Sound Balance

You can adjust the output of the right and left speakers to obtain the best stereo reproduction for your listening position.
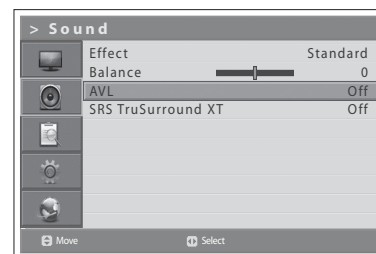
1 Press the **MENU** button.

2 Select **Sound** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Balance** using the ∧/∨ button.

4 Press the ⟨/⟩ button to make changes.

> Sound

	Effect	Standard
	Balance	0
	AVL	Off
	SRS TruSurround XT	Off

⊟ Move   ◀▶ Adjust

Adjusting the Volume Automatically

Each broadcasting station has its own signal conditions, volume may not be adjusted each time you switch channels. This feature lets you automatically adjust the volume of the selected channel by adjusting the sound output depending on the signal modulation.

1 Press the **MENU** button.

2 Select **Sound** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **AVL(Auto Volume Level)** using the ∧/∨ button.

4 Select **On/Off** using the ⟨/⟩ button.

| > Sound	
Effect	Standard
Balance	0
AVL	Off
SRS TruSurround XT	Off

⊟ Move　　　**OK Select**

Setting the TruSurround XT

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1multi-channel content over two speakers. TruSurround delivers a compelling, virtual surround sound effect through two-speaker playback system, including built-in television speakers. It is fully compatible with all multi-channel audio formats.

1 Press the **MENU** button.

2 Select **Sound** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **SRS TruSurround XT** using the ∧/∨ button.

4 Select **On/Off** using the ⟨/⟩ button.

NOTE

▶ (**SRS⦿ TruSurround XT**) is a trademark of SRS Labs, Inc. TruSurround XT technology is incorporated under license from SRS Labs, Inc.

> Sound	
Effect	Standard
Balance	0
AVL	Off
SRS TruSurround XT	Off

⊟ Move　　　**OK Select**

SOUND SETTINGS
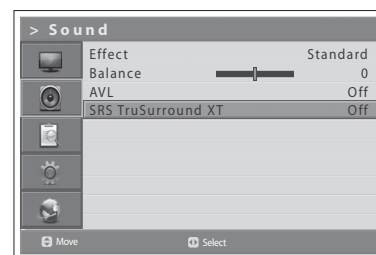
FEATURE SETTINGS

Setting the Time Information

You can set the current time. If you want to set time for automatically turning on/off the power, you must set the local time first.

Setting the Current Time

❶ Press the **MENU** button.

❷ Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

❸ Select **Time Setting** using the ∧/∨ button and press the **OK** or ⟩ button.

NOTE

► Your TV automatically sets and updates the date and time over the air when you successfully search digital channels.

Using the TV Timer Function

You can schedule time for automatically turning on/off the power so that your TV will automatically be turned on and off at specific time you have scheduled.

❹ To set time for turning on the power, select **Power On Time** using the ∧/∨ button and press the ⟨/⟩ button to select **On**.

❺ **Power On Time** is enabled, enter hour/minute using the **NUMBER** buttons. At the preset time, the TV will automatically be turned on.

❻ To set time for turning off the power, select **Power Off Time** using the ∧/∨ button and press the ⟨/⟩ button to select **On**.

❼ **Power Off Time** is enabled, enter hour/minute using the **NUMBER** buttons.

Setting the Auto Power Off

In case there is no signal, it is possible have your TV automatically turned off to reduce power consumption.

❽ Select **Auto Power Off** using the ∧/∨ button and press the ⟨/⟩ button to select **On**. The TV will automatically be turned off if there is no signal for 5 minutes.
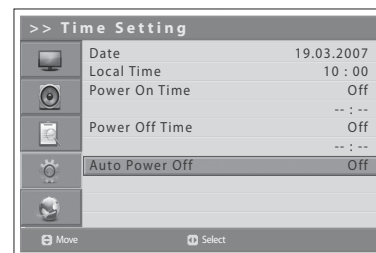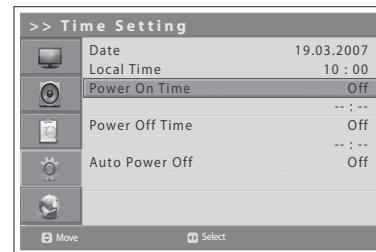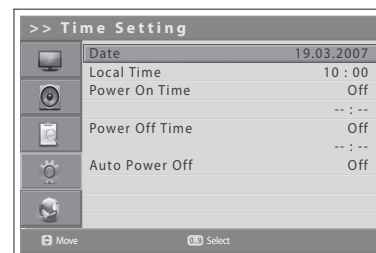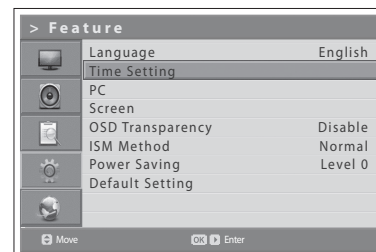
Adjusting OSD Transparency

You can set the transparency of On Screen Display.

❶ Press the **MENU** button.

❷ Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

❸ Select **OSD Transparency** using the ∧/∨ button.

❹ Select the required option using the ⟨/⟩ button.
The following options are available:
30 > 50 > 70 > 100 > Disable
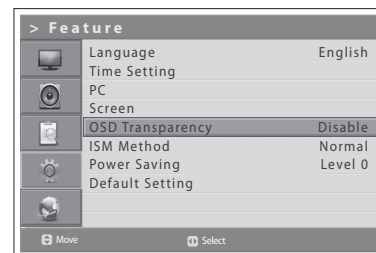
Image Sticking Minimization (ISM) Method

A frozen or still picture from a PC/Video game displayed on the screen for prolonged periods will result in a ghost image remaining even when you change the image.
Use this function to minimize any fixed image on the screen.

This function allows you to reduce phosphor burn and prolong the life of the plasma.
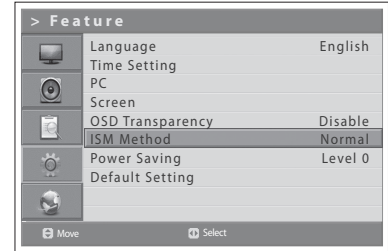
1 Press the **MENU** button.

2 Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **ISM Method** using the ∧/∨ button.

4 Select the required option using the ⟨/⟩ button.

The following options are available:

|	
Normal	If image sticking is never a problem, you do not need this function - set to Normal.
Orbiter	Orbiter may help prevent ghost images. However, it is best not to allow any fixed image to remain on the screen. To avoid a permanent image on the screen, the screen will move every 2 minutes.
Inversion	This function inverts the panel colour of the screen. The panel colour is automatically inverted every 30 minutes.
White Wash	White wash removes permanent images from the screen.

NOTE:

► An excessive permanent image may be impossible to clear entirely with White Wash. To return to normal viewing, press the any button after exiting the menu OSD.

Power Saving Picture Mode

This function allows you to reduce the power consumption of the TV.

1 Press the **MENU** button.

2 Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Power Saving** using the ∧/∨ button.

4 Select the required option using the ⟨/⟩ button.

Level 0 > Level 1 > Level 2 > Level 3 > Level 4 (Level 0 is the brightest.)

SYSTEM SETTINGS
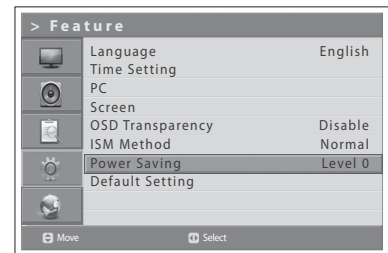
Setting the PC (In PC Mode Only)

The PC menu is available only when there is a PC input signal.

❶ Press the **INPUT** button to switch to **PC** mode.

❷ Select **PC** using the ∧/∨ button and press the **OK** button.

❸ Press the **MENU** button.

❹ Select **Feature** using the ∧/∨ button and press the **OK** or › button.

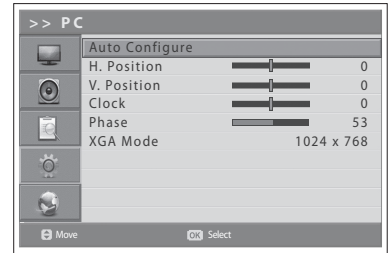❺ Select **PC** using the ∧/∨ button and press the **OK** or › button.
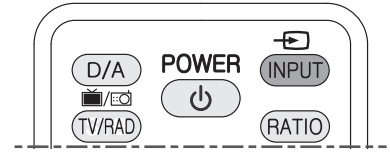
Auto Configure

Automatically optimizes the display. This is recommended for the first time connecting to a PC.

❶ Select **Auto Configure** using the ∧/∨ button and press the **OK** button.

If the picture is not clear after auto configuration, adjust the position, clock or phase of picture manually.

Position

Adjusts the display position to PC if it does not fit the TV screen.

❶ Select **H. Position/V. Position** using the ∧/∨ button.

❷ Adjust the optimal position using the ‹/› button.
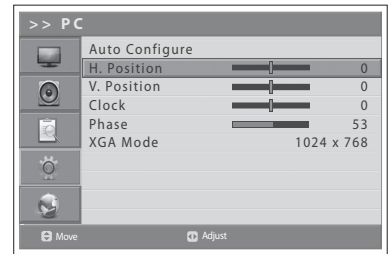
Clock

Adjusts the horizontal feature of screen by increasing or decreasing the number of pixels.

❶ Select **Clock** using the ∧/∨ button.

❷ Adjust the optimal horizontal feature using the ‹/› button.
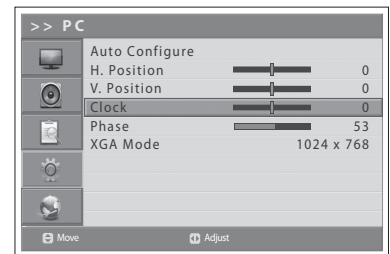
Phase

Sets the focus of screen.

❶ Select **Phase** using the ∧/∨ button.

❷ Adjust the optimal focus using the ‹/› button.
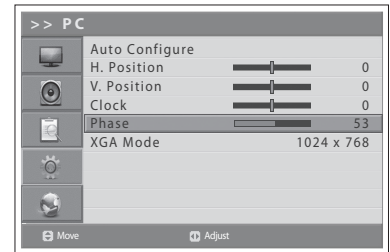
XGA Mode

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

1 Select **XGA Mode** using the ∧/∨ button.

2 Select the desired resolution.
1024 x 768 > 1280 x 768 > 1360 x 768

```
>> PC
     Auto Configure
     H. Position        ━━━┃━━━        0
     V. Position        ━━━┃━━━        0
     Clock              ━━━┃━━━        0
     Phase              ━━━━━━┃━       53
     XGA Mode              1024 x 768

  🗗 Move               📺 Adjust
```

Setting the Screen (In HDMI Mode Only)

The Screen menu is available only when there is a HDMI (DTV format: 480p/720p/1080i/1080p) input signal.

Adjusts the display position if the displayed picture does not fit the TV screen.

1 Press the **INPUT** button to switch to **HDMI1**, **HDMI2** or **HDMI3** mode.

2 Select **HDMI1**, **HDMI2** or **HDMI3** using the ∧/∨ button and press the **OK** button.

3 Press the **MENU** button.

4 Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

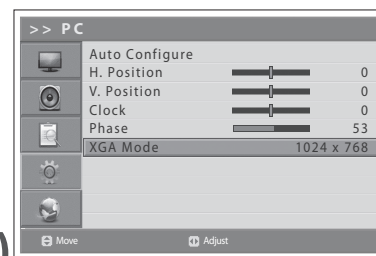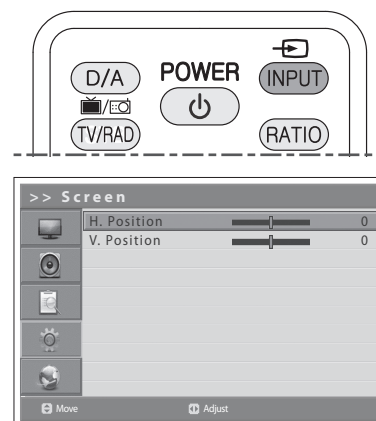**5** Select **Screen** using the ∧/∨ button and press the **OK** or ⟩ button.

6 Select **H. Position/V. Position** using the ∧/∨ button.

7 Adjust the optimal position using the ⟨/⟩ button.

```
   D/A      POWER        ⊡
  ▣/▱         ⏻        INPUT
  TV/RAD                RATIO
```

```
>> Screen
     H. Position     ━━━━┃━━━     0
     V. Position     ━━━━┃━━━     0

  🗗 Move            📺 Adjust
```
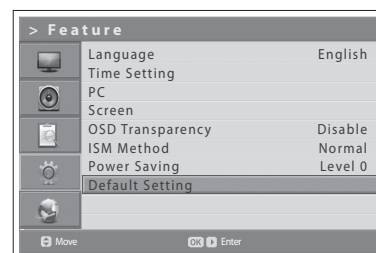
Default Setting

You can set your TV settings to the default setting values.

WARNING

► Please note that once you perform the Default Setting, all data such as, channel list, and user configured data are deleted.

To perform Default Setting:

1 Press the **MENU** button.

2 Select **Feature** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Default Setting** using the ∧/∨ button and press the **OK** or ⟩ button.The confirm message will be displayed.

4 Select **Yes** and press the **OK** button to change all settings value to the factory default.

5 Default setting is completed.

```
> Feature
     Language            English
     Time Setting
     PC
     Screen
     OSD Transparency    Disable
     ISM Method          Normal
     Power Saving        Level 0
     Default Setting

  🗗 Move         OK ▶ Enter
```

NOTE

► After completing the default setting, the installation wizard will appear automatically in a few seconds.

DTV SETUP

(In Digital Mode Only)

This chapter describes how to set up the **DTV Setup** menu for digital channels. You can set the options such as the parental control, channel editing, installation setting and software upgrade.

NOTE

► The **DTV Setup** menu is available in the **Digital TV** or **Digital TV-C** input mode only.

To access the **DTV Setup** menu, select **DTV Setup** on TV menu and press the **OK** button while in the Digital mode. You can easily access by pressing the **DTV SETUP** button on your remote control

NOTE

► Press the **BACK** or ‹ button to save the changes and return to the previous menu. Press the **DTV SETUP** or **EXIT** button to exit from the menu screen.
► You can easily select all menu items using the assigned number for each menu.
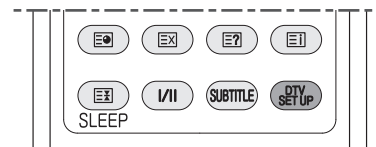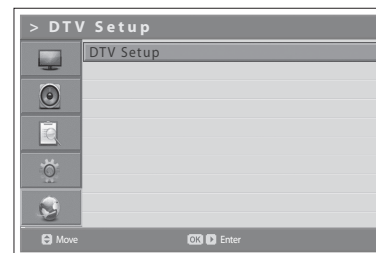
Parental Control

You can set parental control for each programme and watching time. You can also change your password.

1 Press the **DTV SETUP** button.

2 Select **Preferences** using the ∧/∨ button and press the **OK** or › button.

3 Select **Parental Control** using the ∧/∨ button and press the **OK** or › button.

4 When prompting message is displayed to ask password, enter the password using the **NUMBER** buttons.

NOTE

► The default password is 0000. If you have forgotten your password, please contact your local TV distributor.
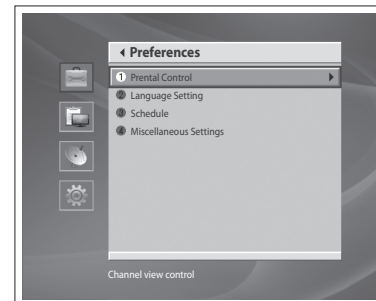
Censorship Classification

Censorship Classification allows you to block programmes according to the age level you have set.

1 Select **Censorship Classification** using the ∧/∨ button and press the **OK** or 〉 button.

2 Select the required age level using the ∧/∨ button and press the **OK** button.

View All — All programmes can be watched because there is no age limitation.
7 ~ 18 — Blocks the programmes are designed for age groups over each age.
Lock All — Programmes are blocked without considering the age level.

NOTE

► You have to enter the password to watch the programme which is blocked by the age level.
► Some broadcasting companies do not broadcast the censorship classification.
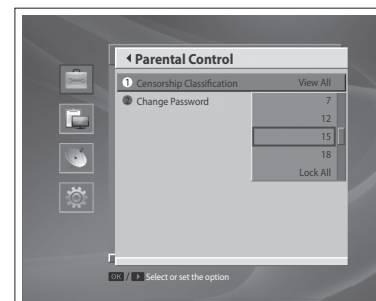
Change Password

You can change the current password.

1 Select **Change Password** using the ∧/∨ button and press the **OK** or 〉 button.

2 Enter **New Password** using the **NUMBER** buttons, select **OK** and press the **OK** button.

3 Enter the new password again to confirm **Verify Password** and select **OK** and press the **OK** button.

Language Setting

① Press the **DTV SETUP** button.

② Select **Preferences** using the ∧/∨ button and press the **OK** or ⟩ button.

③ Select **Language Setting** using the ∧/∨ button and press the **OK** or ⟩ button.

◀ **Language Setting**

① Primary Audio Language	English ▶
● Secondary Audio Language	English
● Audio Priority	Language
● Primary Subtitle Language	English
● Secondary Subtitle Language	Finnish
● Subtitle Display	Auto
● Subtitle Font	Variable
● Hard of Hearing Subtitles	Disable

Language selection for primary audio

Audio/Subtitle Language

You can set the language for audio and subtitle.

① Select **Audio/Subtitle Language** using the ∧/∨ button and press the **OK** or ⟩ button.

② Select a language using the ∧/∨ button and press the **OK** button.

Audio Priority

You can select the priority of audio.

① Select **Audio Priority** using the ∧/∨ button.

② Select from **Language** and **Compressed** using the **OK** or ⟩ button.

Language You can watch programme in the selected language.

**Compressed** Outputs the compressed audio signal such as Dolby Digital or DTS.

NOTE

► Select Compressed if your amplifier system has multi-channel digital audio surround decoding (Dolby Digital and/or DTS).
► When watching programme with the compressed audio signal, if **Compressed** is selected, the TV can only output the audio signal through OPTICAL DIGITAL AUDIO OUT jack on your TV, but not through the TV speaker.

Subtitle Display

You can select to display the subtitle automatically or not.

① Select **Subtitle Display** using the ∧/∨ button.

② Select from **Auto** and **Manual** using the **OK** or ⟩ button.

Auto Subtitles are displayed automatically in the predefined subtitle language. If the required subtitle language is not among the predefined languages, the subtitle will not be displayed.

Manual Subtitles are displayed in the language when you select the subtitle language by pressing the **SUBTITLE** button on the remote control.

DTV SETUP
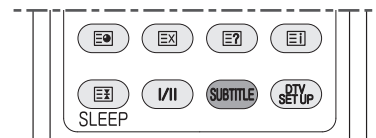
Subtitle Font

You can select the subtitle font.

1 Select **Subtitle Font** using the ∧/∨ button.

2 Select from **Variable** and **Fixed** using the **OK** or ► button.
 Variable Uses the horizontally variable subtitle font.
 Fixed   Uses the fixed subtitle font.

Hard of Hearing Subtitles

You can set whether or not to use the hard of hearing subtitles.

1 Select **Hard of Hearing Subtitles** using the ∧/∨ button and press the **OK** or ⟩ button.

**2** Select from **Enable/Disable** using the **OK** or ⟩ button.

Schedule

You can reserve a programme and watch it anytime you want.

1 Press the **DTV SETUP** button.

2 Select **Preferences** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Schedule** using the ∧/∨ button and press the **OK** or ⟩ button.

4 The reserved programmes will be displayed in time order. Select the programme you want to edit and press the **OK** button. Select a blank space and press the **OK** button to add a new reservation.

NOTE
► For detailed information about **Schedule**, refer to **Viewing the Reserved Programme** (p.38).
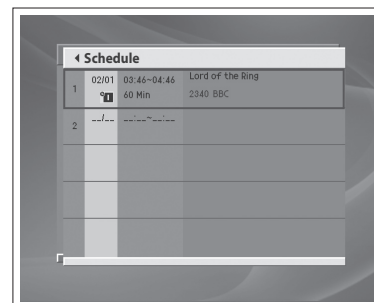
Miscellaneous Settings

① Press the **DTV SETUP** button.

② Select **Preferences** using the ∧/∨ button and press the **OK** or ⟩ button.

③ Select **Miscellaneous Settings** using the ∧/∨ button and press the **OK** or ⟩ button.

i-Plate Display Time

You can set the duration of the information box to be displayed when you switch the channel.

① Select **i-Plate Display Time** using the ∧/∨ button and press the **OK** or ⟩ button.

② Select an option between 1 ~ 20 seconds using the ∧/∨ button and press the **OK** button.

NOTE

► When it is set to **Disable**, the i-plate will not be displayed when the channel is switched.

Option in Channel List

You can set whether or not to display the scrambled icon in the channel list.

① Select **Option in CH List** using the ∧/∨ button.

② Select **On/Off** using the **OK** or ⟩ button.

   On   Scramble icon is displayed in the channel list.
   Off   Scramble icon disappears from the channel list.
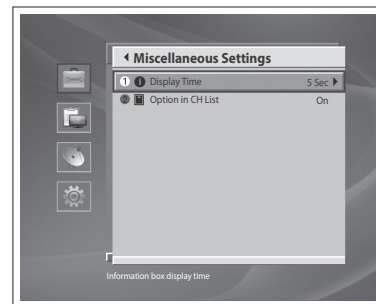
Software Update

In order to maintain proper performance of the TV, it is essential to have the most up-to-date software.

OTA (Over the Air)

OTA, an abbreviation of **Over–the-Air**, means that the software can be downloaded through your aerial. The manufacturer reserves the right to decide when and where to release software by this process. The software update via your aerial will only occur under the following circumstances.

1 The equipment should have appropriate loader software.

Caution

► **Please note that if you don't have normal loader software, the equipment may not be updated or work after software update.**

2 The manufacturer decides to release software downloading via a designated aerial system.

3 The equipment must be **tuned** properly according to the guidelines within this manual.

4 Update software when the quality of receiving signal strength is high. If the weather is not so good that the quality of receiving signal strength is not recommendable, perform the software update later.

Caution

► **Please be careful to keep the power on and the power cord plugged in during software update. If the power is disconnected during software update, it may cause fatal damage to the TV.**
► **Please be careful not to pull out the signal line (co-axial Cable) during software update. Update may be interrupted and the TV may not work.**

NOTE

► The other functions of TV cannot work at all during software update.
► It may take 5 ~10 minutes to update software.
► Scheduling operation cannot work during software update.

Automatic Update

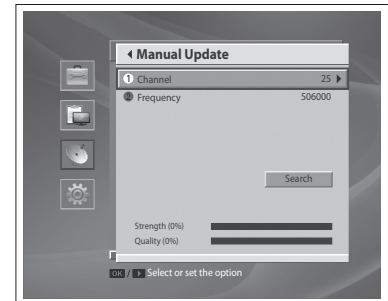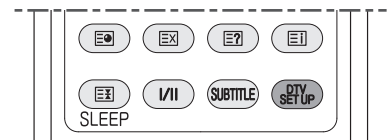You can set the TV to find software update site and update software automatically.

1 Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or › button.

3 Select **Installation (DTV-C)** or **Installation (DTV-T)** using the ∧/∨ button and press the **OK** or › button.

4 Select **Software Update** using the ∧/∨ button and press the **OK** or › button.

5 Select **Automatic Update** using the ∧/∨ button and press the **OK** or ▶ button.

6 Automatically search for new software. Select **Stop** and press the **OK** button to finish search.

7 When detecting software update, the following result is displayed. If new software is not found by automatic update, use manual update.

8 Select **Yes** and press the **OK** button to start updating. Select **No** and press the **OK** button to return to the previous menu without updating.

9 When completing the software update, the TV is automatically powered off and on again.
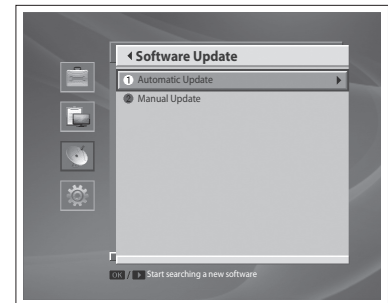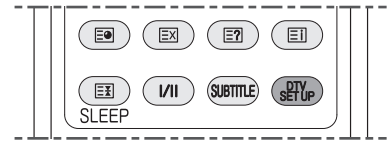
Manual Update (In Digital TV Mode Only)

You can perform manual update using know MUX information.

1 Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or › button.

3 Select **Installation (DTV-T)** using the ∧/∨ button and press the **OK** or › button.

4 Select **Software Update** using the ∧/∨ button and press the **OK** or › button.

5 Select **Manual Update** using the ∧/∨ button and press the **OK** or › button.

6 Select **Channel** using the ∧/∨ button and press the **OK** or › button. Select the channel number using the ∧/∨ button and press the **OK** or › button.

7 Select **Frequency** using the ∧/∨ button and press the **OK** or › button. Enter the frequency using the **NUMBER** buttons.

8 Select **Search** and press the **OK** button to search software. Existing new software will show. If new software does not exist, press the **OK** button to return to the manual update menu.

9 Select **Yes** and press the **OK** button to start updating. Select **No** and press the **OK** button to return to the previous menu. Performs software update. Please wait until it is completed.

10 When completing the software update, the TV is automatically powered off and on again.

Manual Update (In Digital TV-C Mode Only)

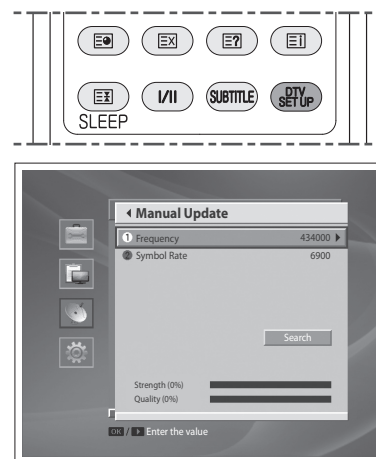You can perform manual update using know MUX information.

1 Press the **DTV SETUP** button.

2 Select **Installation** using the ∧/∨ button and press the **OK** or ⟩ button.

3 Select **Installation (DTV-C)** using the ∧/∨ button and press the **OK** or ⟩ button.

4 Select **Software Update** using the ∧/∨ button and press the **OK** or ⟩ button.

5 Select **Manual Update** using the ∧/∨ button and press the **OK** or ⟩ button.

6 Select **Frequency** using the ∧/∨ button and press the **OK** or ⟩ button. Select frequency value using the ∧/∨ button and press the OK button. When you select **User Define** to set frequency manually, enter frequency value using the **NUMBER** buttons.

7 Select **Symbol Rate** using the ∧/∨ button and press the **OK** or ⟩ button. Select the symbol rate value using the ∧/∨ button and press the OK button. When you select **User Define** to set symbol rate manually, enter symbol rate value using the **NUMBER** buttons.

8 Select **Search** and press the **OK** button to search software. Existing new software will show. If new software does not exist, press the **OK** button to return to the manual update menu.

9 Select **Yes** and press the **OK** button to start updating. Select **No** and press the **OK** button to return to the previous menu. Performs software update. Please wait until it is completed.

10 When completing the software update, the TV is automatically powered off and on again.

DTV SETUP

System

① Press the **DTV SETUP** button.

② Select **System** using the ∧/∨ button and press the **O**K or > button.

③ Select **Status**, **Signal Detection** or **Common Interface** using the ∧/∨ button and press the **OK** or > button.
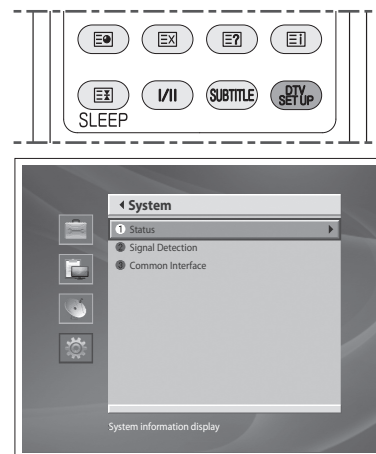
Status	You can view system information.
Signal Detection	You can view the signal strength and signal quality of the channel that is currently on AV.
Common Interface	You can view the current status of the CI-Module.

NOTE

► The displayed information about a Common Interface may differ depending on Common Interface type.

APPENDIX

Menu Map

Picture	Mode
	Brightness
	Contrast
	Sharpness
	Colour
	Colour Temp.
	NR
	Fleshtone
Sound	Effect
	Balance
	AVL
	SRS TruSurround XT
Installation (Analog Mode only)	Country
	Auto Search
	Manual Search
	Edit Channels
Feature	Language
	Time Setting
	PC --- (PC Mode only)
	Screen --- (HDMI Mode only)
	OSD Transparency
	ISM Method
	Power Saving
	Default Setting

DTV Setup (Digital Mode only)	Preferences	Parental Control
		Language Setting
		Schedule
		Miscellaneous Settings
	Edit Channels	Edit Channel Lists
		Edit Favourite Channels
		Channel Change Mode
	Installation	Automatic Search
		Linear Search.... (Digital TV-C Mode only)
		Manual Search
		Software Update
	System	Status
		Signal Detection
		Common Interface

Troubleshooting

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

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

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

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

APPENDIX

Maintenance

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

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

Cleaning the Screen

❶ A good way to keep the dust off your screen for a while is to wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it is almost dry, and then use it to wipe the screen.

❷ Ensure there is no excess water on the screen. Allow any water or dampness to evaporate before switching on.

Cleaning the Cabinet

■ To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth.

■ Do not to use a wet cloth.

Extended Absence

CAUTION

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

Product Specifications

MODELS		42PG63**	50PG63**
		42PG6300-ZA	50PG6300-ZA
Dimensions (W x H x D)	with stand	1044.4 x 735.4 x 308.0 mm	1235.6 x 849.3 x 364.1 mm
	without stand	1044.4 x 680.6 x 79.6 mm	1235.6 x 792.8 x 79.6 mm
Weight	with stand without stand	28kg 25kg	43.65kg 39.7kg
Power requirement Power Consumption		AC100-240V~ 50/60Hz 3.0A 300W	AC100-240V~ 50/60Hz 4.6A 460W
Television System Programme Coverage External Antenna Impedance		PAL, B/G, VHF: E2 ~ E12, UHF: E21 ~ E69, CATV: S1 ~ S47 75 Ω	
Environment condition	**Operating Temperature Operating Humidity**	0 ~ 40°C / 32 ~ 104°F Less than 80%	

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

LG Electronics Inc.