

Colour Television

Owner's Manual

LD-42IU21



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

See the label attached on the back cover and quote this information to your dealer when you require service.

P/NO : MAN05GDP045

Warning



WARNING:

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICE-ABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

NOTE TO CABLE/TV INSTALLER:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electric Code (U.S.A.). The code provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

REGULATORY INFORMATION

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

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug.
A polarized plug has two blades with one wider than the other.
A grounding type plug has two blades and a third grounding prong.
The wide blade or the third prong are provided for your safety.
If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Minimum distances (e.g. 10cm) around the apparatus for sufficient ventilation

“WARNING – To reduce the risk of fire or electric shock, do not expose the apparatus to rain or moisture.”

“The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.”

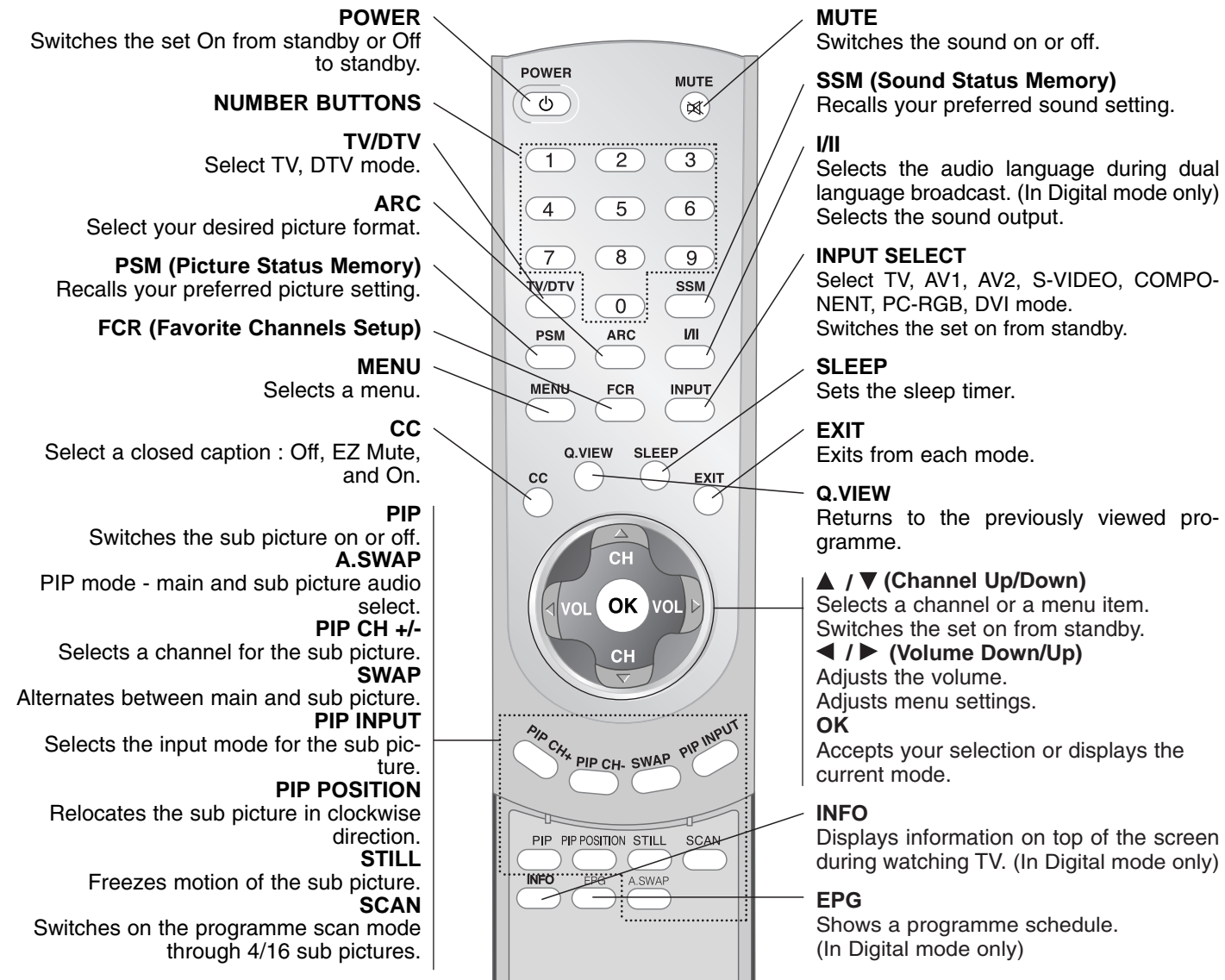
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Location and function of controls

Remote control handset

- All the functions can be controlled with the remote control handset.
- Some functions can also be adjusted with the buttons on the front panel of the set.
- Before you use the remote control handset, please install the batteries.



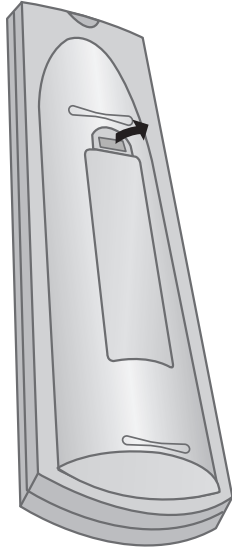
Location and function of controls

Battery installation

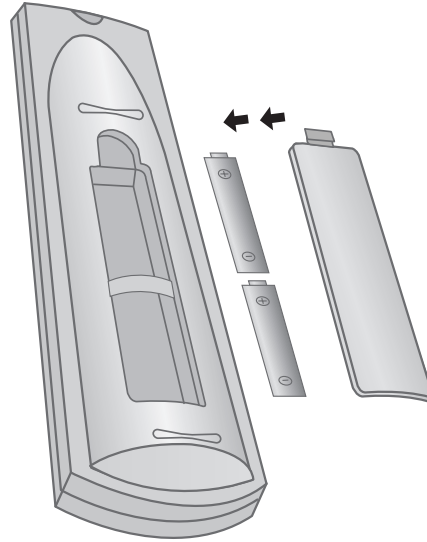
- Your remote control handset is powered by two AAA type batteries.

1

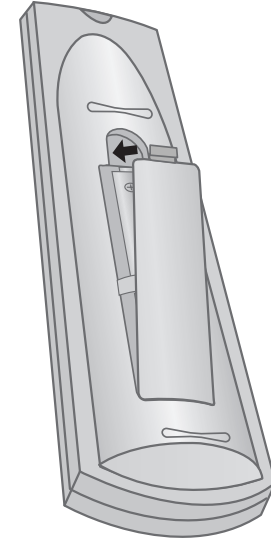
To insert batteries, turn the remote control handset over and remove the battery cover.

**2**

Put the two batteries into the compartment observing battery polarity.

**3**

Replace the cover.

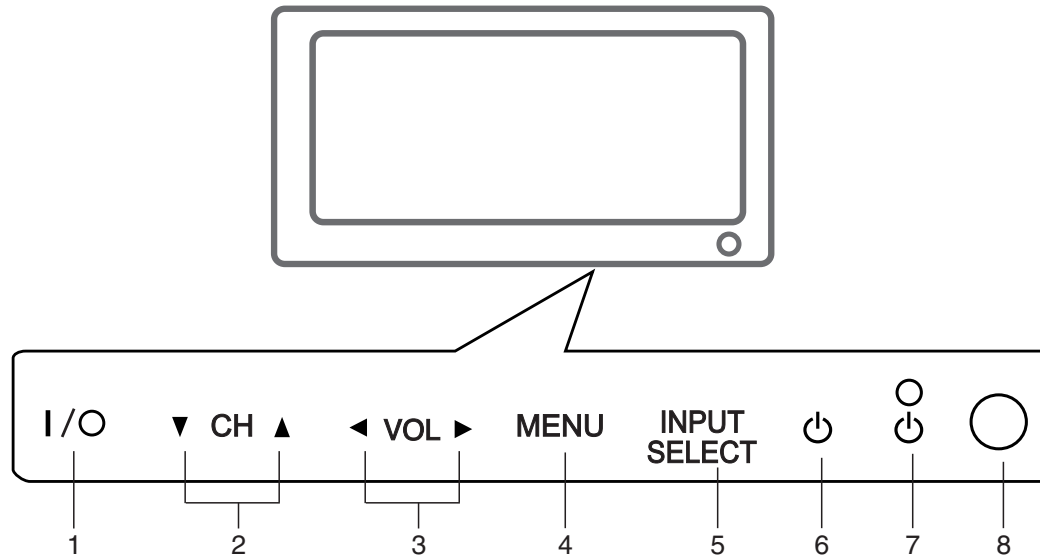


To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period time. Do not use batteries of differing age or type. Always discard of batteries safely.

Location and function of controls

Front panel

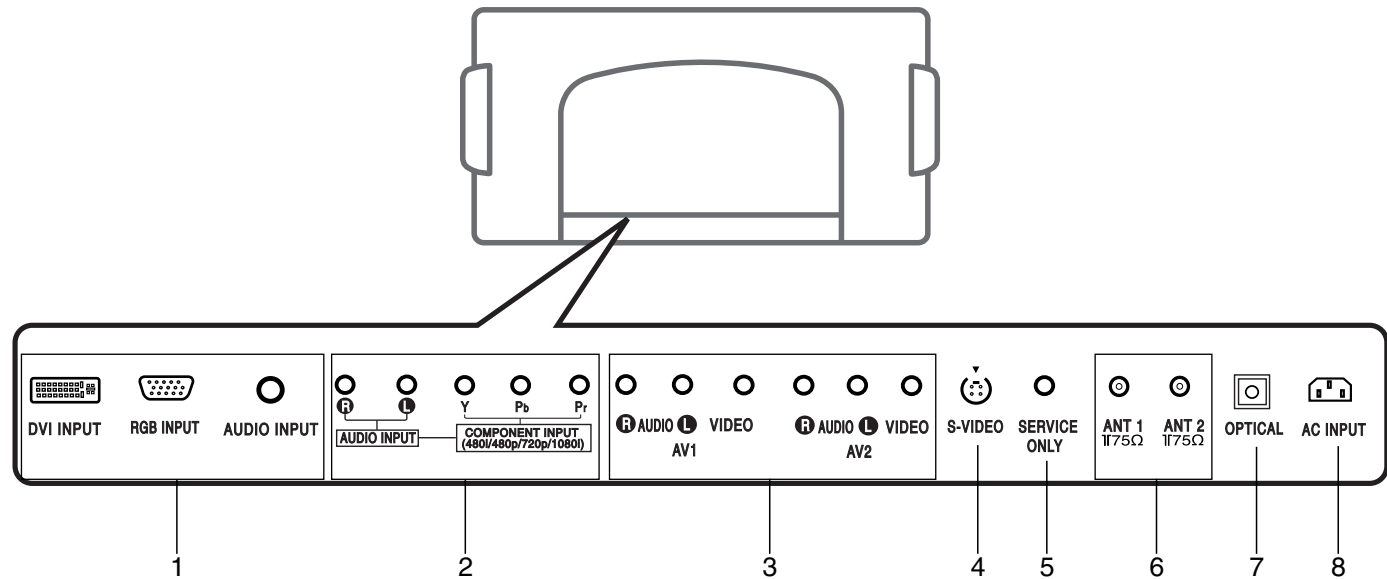
- Shown is a simplified representation of the set.
- Here shown may be somewhat different from your set.



- | | |
|---|--|
| <p>1. MAIN POWER (I / O)
Switches the set On or Off.</p> <p>2. ▲ / ▼ (Channel Up/Down)
Selects a channel or a menu item.
Switches the set On from standby.</p> <p>3. ◀ / ▶ (Volume Down/Up)
Adjusts the volume.
Adjusts menu settings.</p> <p>4. MENU
Selects a menu.</p> | <p>5. INPUT SELECT
Select TV, AV1, AV2, S-VIDEO, COMPONENT, PC-RGB, DVI mode.</p> <p>6. POWER (⏻)
Switches the set On from standby or On to standby.</p> <p>7. POWER/STANDBY INDICATOR (⦿)
Illuminates red in standby mode.
Illuminates green when the set is switched on.</p> <p>8. REMOTE CONTROL SENSOR</p> |
|---|--|

Location and function of controls

Back panel



1. DVI/HDMI INPUT / RGB INPUT / AUDIO INPUT SOCKETS

Connect the set output socket of the PERSONAL COMPUTER to this socket.

2. AUDIO INPUT / COMPONENT INPUT (480i / 480p / 720p / 1080i) SOCKETS

3. AUDIO/VIDEO SOCKET

Connect the audio/video out sockets of the VCR to AV sockets of the set

4. S-VIDEO INPUT

Connect video out from an S-VIDEO VCR to the S-VIDEO input.

5. SERVICE ONLY SOCKET

6. Antenna INPUT

7. Digital Audio (OPTICAL)

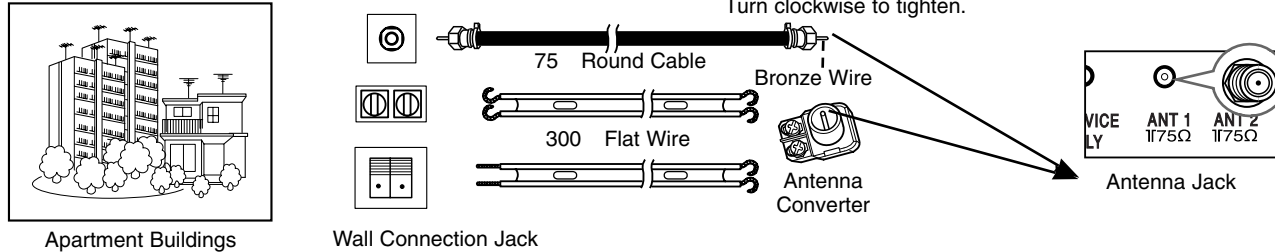
Connect digital audio from various types of equipment.
Note : In standby mode, these ports will not work.

8. POWER CORD SOCKET

This set operates on an AC power. The voltage is indicated on the Specifications page. Never attempt to operate the set on DC power.

Connecting to an Inside Antenna Setup

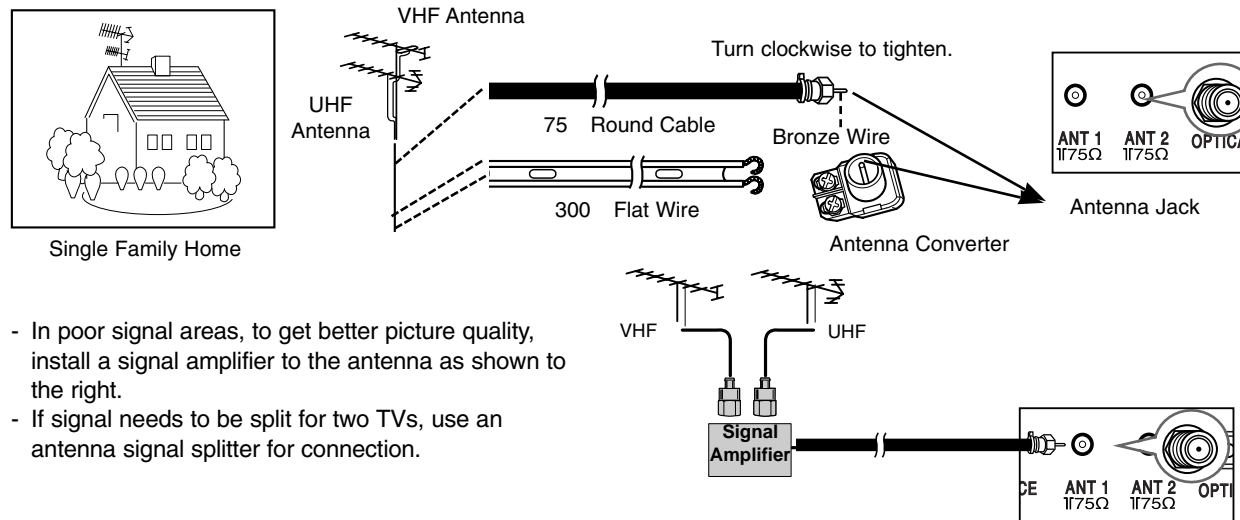
- Typical wall antenna jack used in apartment buildings, connect the antenna cable as shown below.
(Use the correct type of antenna cable for the type of wall antenna jack.)



- If you have a 75 round cable, insert the bronze wire and then tighten the connection nut. If you have a 300 flat wire, connect the twisted wire to the antenna converter and then connect the converter to the antenna jack on the TV.
- If using 75 round cable, do not bend the bronze wire. It may cause poor picture quality.

Connecting to an Outdoor Antenna Setup

- This type of antenna is commonly used in single family dwellings.



- In poor signal areas, to get better picture quality, install a signal amplifier to the antenna as shown to the right.
- If signal needs to be split for two TVs, use an antenna signal splitter for connection.

Connection to External equipment

VCR Setup

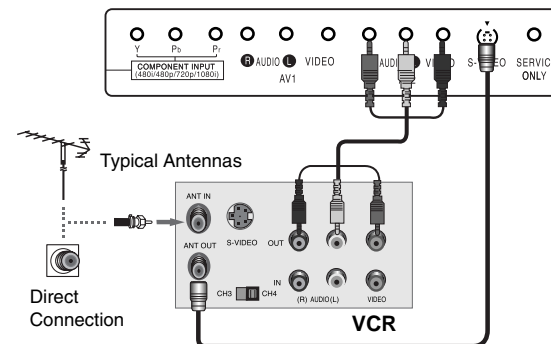
- In Video mode, TV automatically reverts to TV mode if the CH ▲ / ▼ button or number buttons are pressed.

Connection 1

Set VCR switch to 3 or 4 and then tune TV to the same channel number.

Connection 2

1. Connect the audio/video output jacks on VCR to the corresponding input jacks on the TV. When connecting the TV to a VCR, match the jack colors (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. Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**. (If connected to S-VIDEO on side panel, select the **S-Video** external input source.)



Cable TV Setup

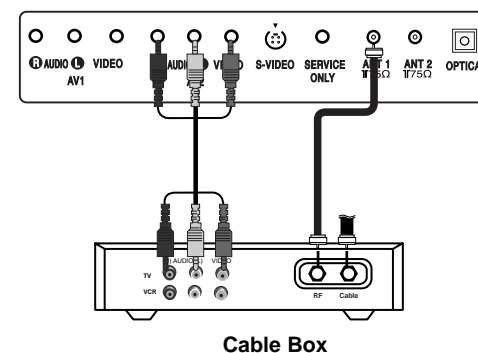
- After subscribing to a local cable TV service and installing a converter, you can watch cable TV programming.
- For further cable TV information, contact a local cable service provider.

Connection 1

1. Select 3 or 4 with channel switch on cable box.
2. Tune the TV channel to the same selected output channel of cable box.
3. Select channels at the cable box or with the cable box remote control.

Connection 2

1. Connect the audio/video output jacks on Cable Box to the corresponding input jacks on the TV. When connecting the TV to Cable Box, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).
2. Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.
3. Select channels with the cable box remote control.



Connection to External equipment

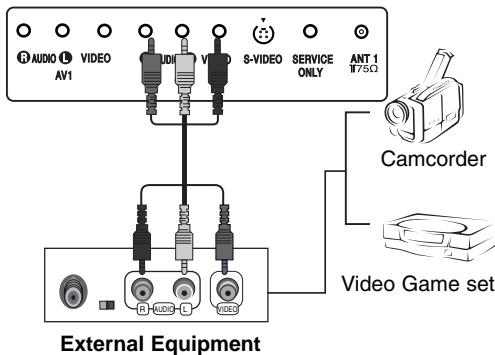
External A/V Source Setup

Connections

Connect the audio/video output jacks on the external A/V equipment to the corresponding input jacks on the TV. When connecting the TV to external A/V equipment, match the jack colors (Video = yellow, Audio Left = white, and Audio Right = red).

Viewing Setup

1. Turn on the external A/V equipment.
2. Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.
3. Operate the corresponding external equipment. Refer to external equipment operating guide.



DVD Setup

Connections

Connect the DVD video outputs to the COMPONENT (Y, P_B, P_R) jacks and connect the DVD audio outputs to the AUDIO jacks.

Viewing Setup

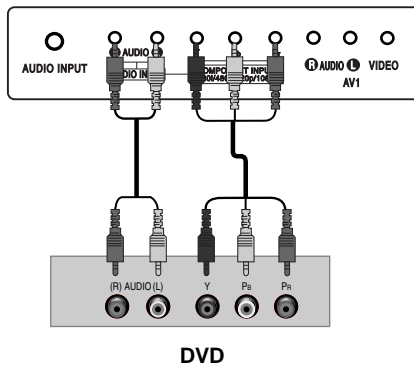
1. Turn on the DVD player, insert a DVD.
2. Use the **INPUT SELECT** button on the remote control to select **COMPONENT**.
3. Refer to the DVD player's manual for operating instructions.

• Component Input ports

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

Component ports of the TV	Y	P _B	P _R
---------------------------	---	----------------	----------------

Video output ports of DVD player	Y	P _b	P _r
	Y	B-Y	R-Y
	Y	Cb	Cr
	Y	P _B	P _R



Connection to External equipment

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DTV Setup

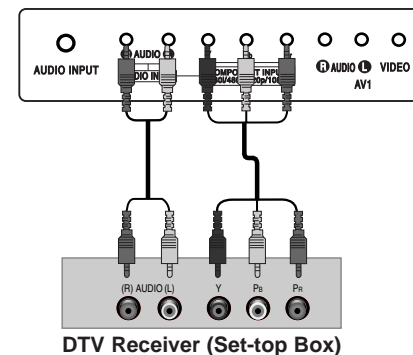
- To watch digitally broadcast programs, purchase and connect a digital set-top box.

Connections

Connect the digital set-top box video outputs to the **COMPONENT** (Y, PB, PR) jacks and connect the digital set-top box audio outputs to the **AUDIO** jacks.

Viewing Setup

1. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
2. Use the **INPUT SELECT** button on the remote control to select **COMPONENT**.



PC (DTV) Setup

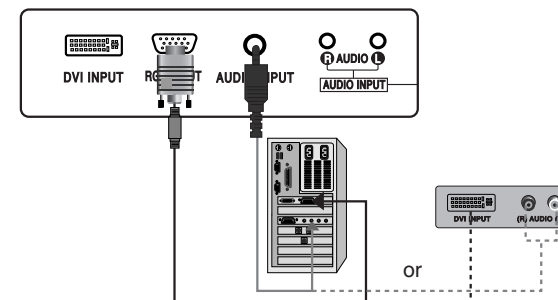
Connect the signal cable from the monitor output socket of the **PERSONAL COMPUTER** to the **RGB INPUT** socket of the set.

Connect the audio cable from the PC to the **AUDIO INPUT** sockets of the set.

Press the **INPUT SELECT** button to select **PC-RGB**.

Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.



Connection to External equipment

DVI (DTV)

Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **DVI INPUT** socket of the set.

Connect the audio cable from the PC to the **AUDIO INPUT** sockets of the set.

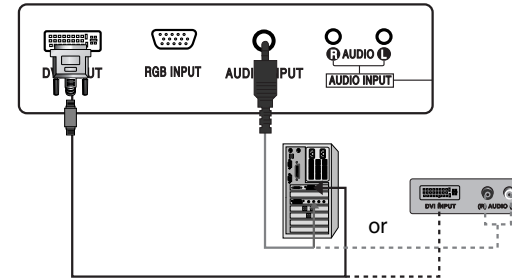
Press the **INPUT SELECT** button to select **DVI**.

Switch on the DVI, and the DVI screen appears on the set.

DVI-DTV input signal : 480p-60Hz, 576p-50Hz, 720p-50Hz, 720p-60Hz, 1080i-50Hz, 1080i-60Hz.

DVI Interface with HDCP Copy Protection enables all-digital rendering of video without the losses.

This TV SET can receive the High-Definition Multimedia Interface(HDMI) or Input of Digital Visual Interface (DVI).



Digital Audio

- Send the set's audio to external audio equipment (stereo system) via the Digital Audio Output (Optical)

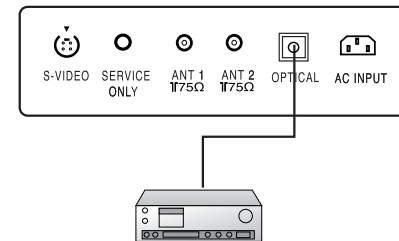
Caution : Do not look into the optical output port. Looking at the laser beam may damage your vision.

How to connect

Connect one end of an optical cable to the TV Digital Audio (Optical) Output port.

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

Note : Digital Audio Output works, when it's inputted HDMI, ATSC signal to the set.



Basic operation

1

On and Off

Press the main power button to switch the set on.

If the set is in standby mode, press the **POWER**, ▲ / ▼ on the remote control handset to switch it on fully.

Press the **POWER** button on the remote control handset.

The set reverts to standby mode.

Press the main power button again to switch the set off.
(Refer to p. 9)

2

Channel selection

You can select a channel number with the ▲ / ▼ or **NUMBER** buttons.

3

Volume adjustment

Press the ◀ / ▶ button to adjust the volume.

If you want to switch the sound off, press the **MUTE** button.
You can cancel it by pressing the **MUTE**, ◀ / ▶, **SSM** or **I/II** button.

4

On screen language selection (option)

Press the **MENU** button and then use ▲ / ▼ button to select the **SETUP** menu.

Press the ▶ button and then use ▲ / ▼ button to select **Menu Language**.

Press the ▶ button and then use ▲ / ▼ button to select your desired language. All the on screen displays will appear in the selected language.

Repeatedly press the **MENU** button to return to normal TV viewing.

On screen menus Menu selection

- The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

1

Press the **MENU** button and then use **▲ / ▼** button to display each menu.

Press the **►** button and then use **▲ / ▼** button to select a menu item.

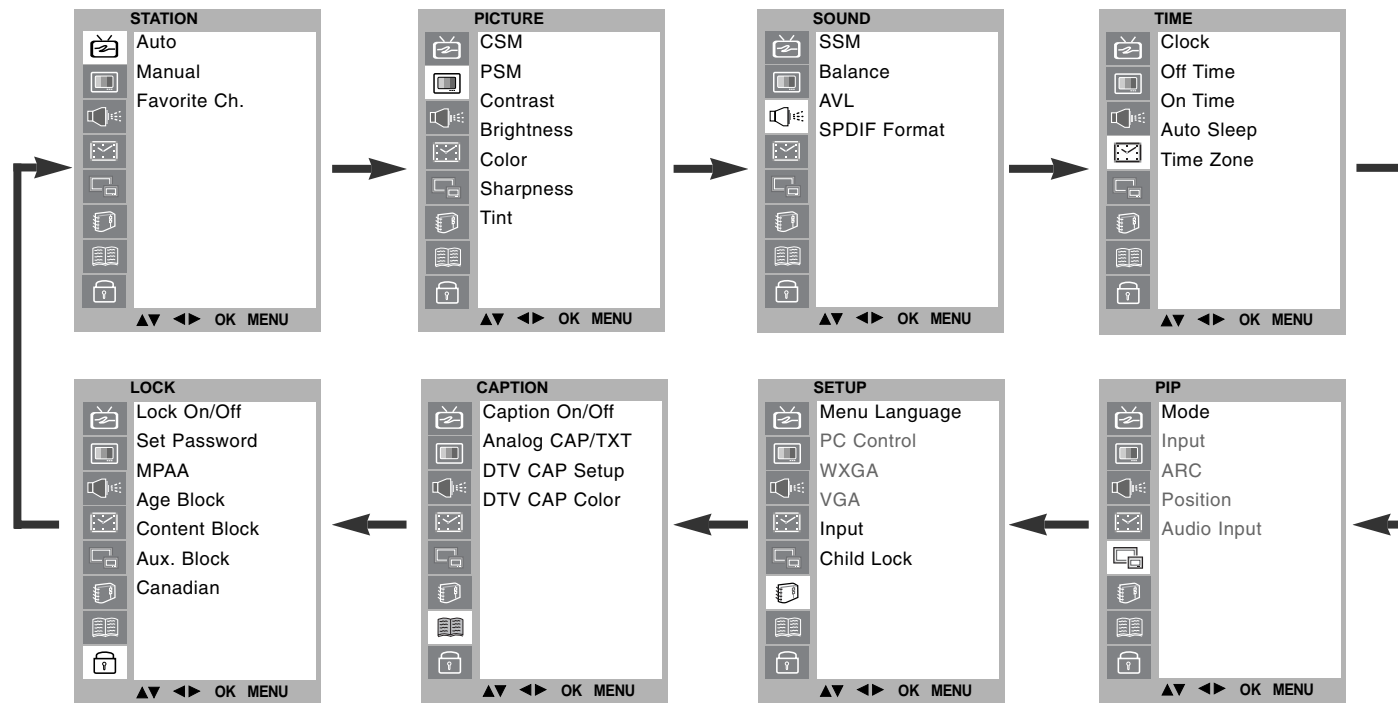
2

Press the **►** button to display the sub menu or the pull-down menu.

Change the setting of an item in the sub or pull-down menu with **◀ / ▶** or **▲ / ▼**.

You can move to the higher level menu with **◀** button and to move to the lower level menu press the **►** button.

Note : Menus may vary according to input mode.



Setting up TV stations

Memorizing the Channels with Auto

- For Auto to work, the programming source must be connected to the TV and the TV must be receiving programming signals either over-the-air or from a cable-type service provider.

Press the **MENU** button and then use **▲ / ▼** button to select the Station menu.

Press the **►** button and then use **▲ / ▼** button to select **Auto**.

Press the **►** button and then use **▲ / ▼** button to select **Antenna Connection**.

Press the **◀ / ▶** button to select **1, 2, 3, 4**.

Press the **▲ / ▼** button to select **Digital Cable**.

Press the **◀ / ▶** button to select **ALL, STD, IRC, HRC**.

Press the **▲ / ▼** button to select **Search**.

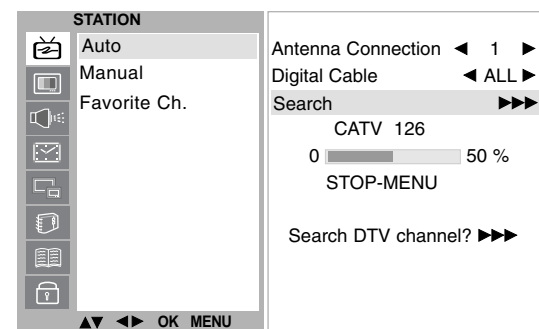
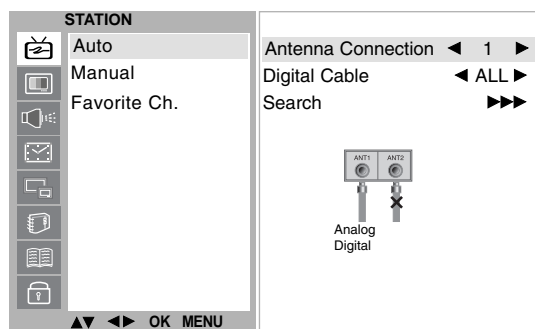
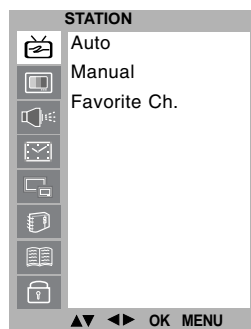
Press the **►** button to begin the channel search.

- Wait for auto program to complete the channel search cycle before choosing a channel. The TV scans for over-the-air channels and then channels provided by a cable service.

The message “*Search DTV channel?*” will appear. If you want to search DTV select **OK** or **►**. Otherwise select **MENU**.

NOTES

- When the channel search is complete, use the **▲ / ▼** buttons to review the memorized channels.
- If you press the **MENU** button in Auto, the function will stop and only channels programming up to that time will remain.
- Auto function can memorize only the channels which are being received at that time.



Setting up TV stations

Add/Delete Channels with Manual

- You can manually include or erase individual channels.

Press the **MENU** button and then use ▲ / ▼ button to select the Station menu.

Press the ► button and then use ▲ / ▼ button to select **Manual**.

Press the ► button and then use ▲ / ▼ button to select **Channel**.

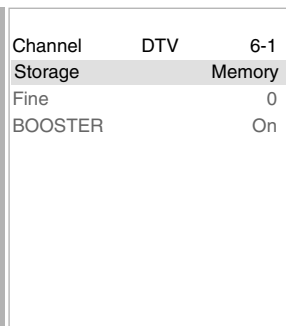
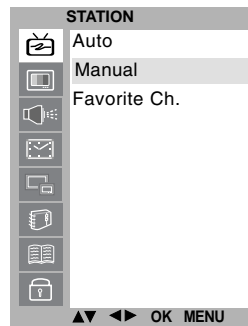
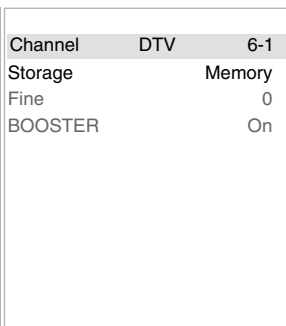
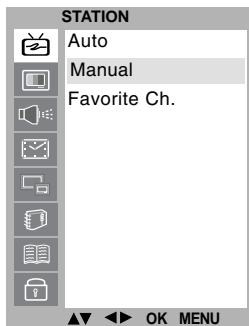
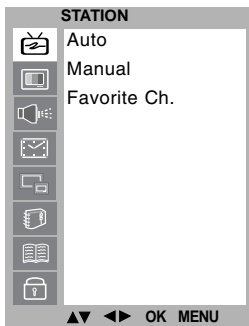
Press the ◀ / ▶ button to select the programme.

Press the ▲ / ▼ button to select **Storage**.

Press the ◀ / ▶ button to select **Memory** (add) or **Erase** (delete).

Repeatedly press the **MENU** button to return to normal TV viewing.

The current channel is added to Memory or Erased from the channel list.



Setting up TV stations

Fine Tuning Adjustment / BOOSTER

- This function adjusts the pictures stability and condition when it is poor.

Press the **MENU** button and then use ▲ / ▼ button to select the Station menu.

Press the ► button and then use ▲ / ▼ button to select **Manual**.

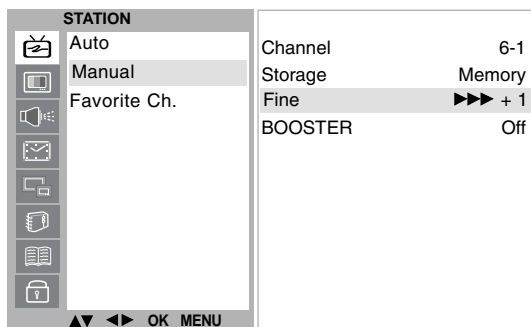
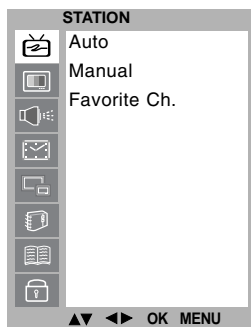
Press the ► button and then use ▲ / ▼ button to select **Fine**.

Use the ◀ / ▶ button to adjust the picture to your preference.

Press the ► button and then use ▲ / ▼ button to select **BOOSTER**.

Press the ◀ / ▶ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.



Channel	6-1
Storage	Memory
Fine	▶▶ + 1
BOOSTER	Off

Favorite Channels Setup

- Favorite Channel lets you quickly tune in up to 5 channels of your choice without having to wait for the TV to scan through all the in-between channels.

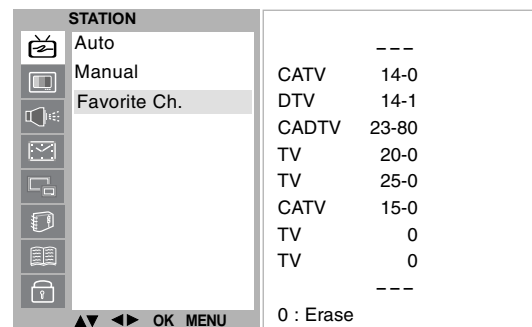
Press the **MENU** button and then use ▲ / ▼ button to select the Station menu.

Press the ► button and then use ▲ / ▼ button to select **Favorite Ch..**

Press the ► button and then use ▲ / ▼ button to select the channel.

Press the **OK** button to save.

Repeatedly press the **FCR** button to select stored favorite channel.



Auto	---
Manual	CATV 14-0
Favorite Ch.	DTV 14-1
	CADTV 23-80
	TV 20-0
	TV 25-0
	CATV 15-0
	TV 0
	TV 0

	0 : Erase

Picture adjustment

CSM (Colour Status Memory)

To initialize values (reset to default settings), select the **Normal** option.

Press the **MENU** button and then **▲ / ▼** button to select the PICTURE menu.

Press the **▶** button and then **▲ / ▼** button to select **CSM**.

Press the **▶** button and then **▲ / ▼** button to select the desired colour temperature.

Press the **MENU** button to save.

You can adjust red, green, or blue to any colour temperature you prefer.

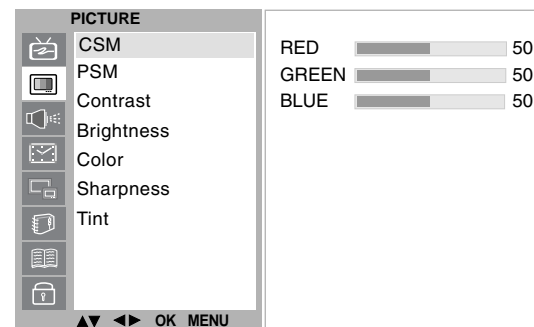
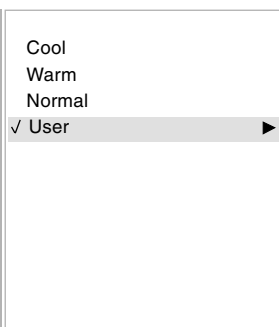
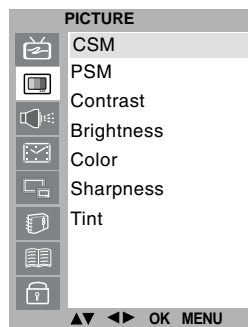
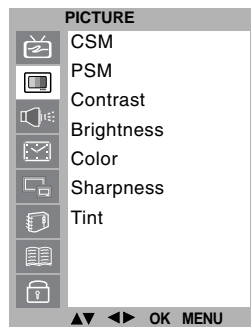
Press the **MENU** button and then use **▲ / ▼** button to select the PICTURE menu.

Press the **▶** button and then use **▲ / ▼** button to select **CSM**.

Press the **▶** button and then use **▲ / ▼** button to select **User**.

Press the **▶** button and then use **▲ / ▼ / ◀ / ▶** button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.



Picture Menu

PSM (Picture Status Memory)

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then use ▲ / ▼ button to select **PSM**.

Press the ► button and then use ▲ / ▼ button to select a picture setting on the **PSM** pull-down menu.

Repeatedly press the **MENU** button to return to normal TV viewing.

You can also recall a desired picture (**Dynamic**, **Standard**, **Mild**, **Game** or **User**) with **PSM** button on the remote control. The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for good picture reproduction at the factory and cannot be changed.

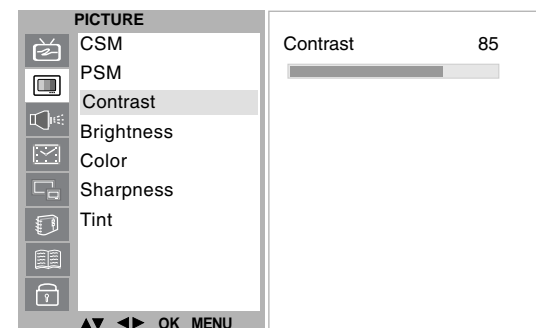
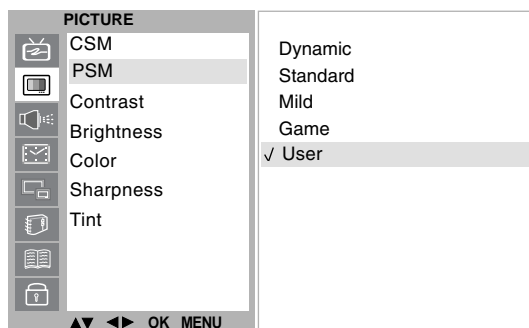
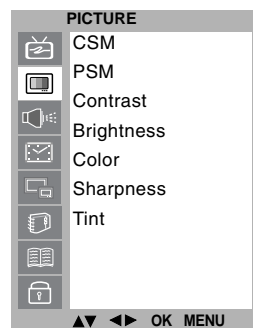
Manual Picture Control

Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

Press the ► button and then use ▲ / ▼ button to select the desired picture option.

Press the ► button and then use ◀ / ▶ button to make appropriate adjustments.

You can adjust picture contrast, brightness, colour, sharpness and tint to the levels you prefer.

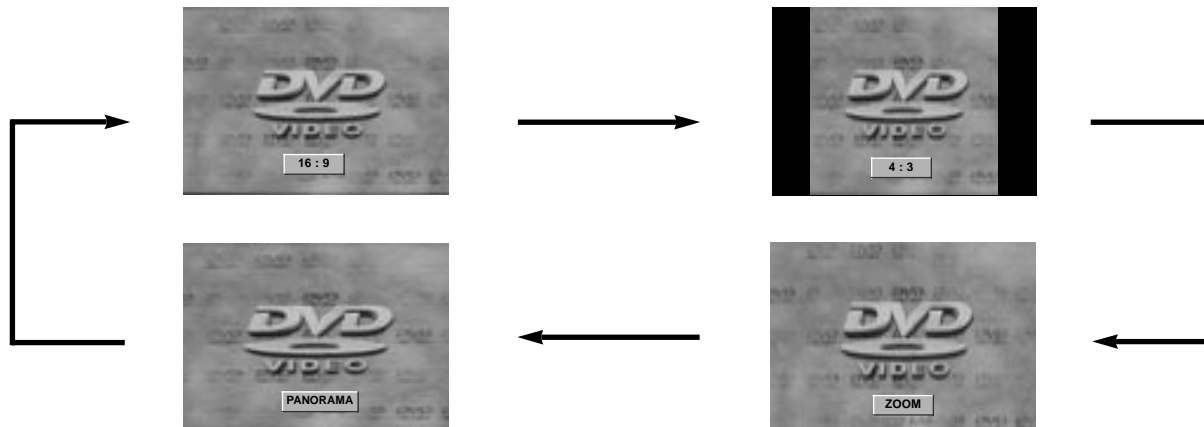


Picture Menu

Picture format

You can watch TV in various picture formats; 16:9, 4:3, ZOOM, PANORAMA.
Repeatedly press the **ARC** button to select your desired picture format.

1. Press the **ARC** button to select a desired picture format.
 - Each press of **ARC** button changes the screen display as shown below.
 - You can only select 16:9, 4:3 in PC-RGB / DVI / ATSC mode only.



Sound Menu

SSM (Sound Status Memory)

Press the **MENU** button and then use **▲ / ▼** button to select the **SOUND** menu.

Press the **►** button and then use **▲ / ▼** button to select **SSM**.

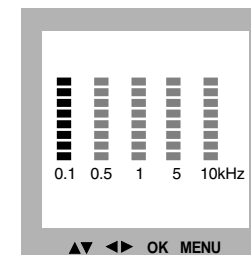
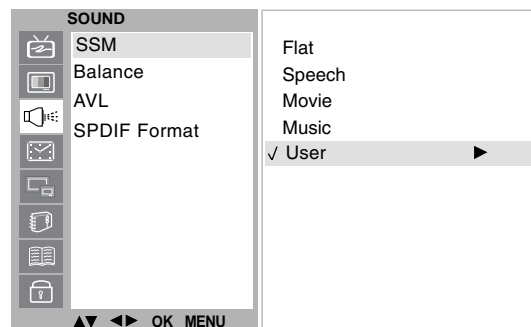
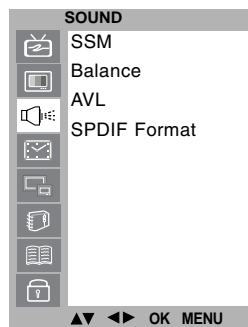
Press the **►** button and then use **▲ / ▼** button to select a sound setting on the **SSM** pull-down menu.

Repeatedly press the **MENU** button to return to normal TV viewing.

Sound Frequency Adjustment

- Press the **►** button in **User**.
- Select a sound band by pressing the **◀ / ▶** button.
- Make appropriate sound level with the **▲ / ▼** button.
- Press the **OK** button to store it for the sound **User**.

You can also recall a desired sound (**Flat**, **Speech**, **Movie**, **Music** or **User**) with **SSM** button on the remote control. The sound **Flat**, **Speech**, **Movie** and **Music** are programmed for good sound reproduction at the factory and cannot be changed.



Sound Menu

Balance

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select the desired sound item.

Press the ► button and then use ◀ / ▶ button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.

AVL (Auto Volume Leveler)

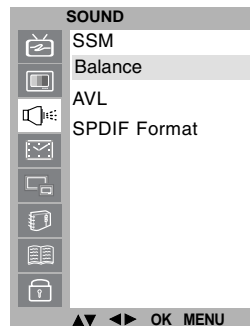
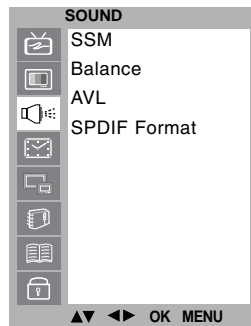
Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select **AVL**.

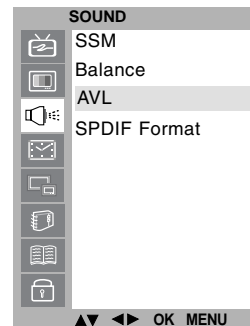
Press the ► button and then use ▲ / ▼ button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

This feature maintains an equal volume level; even if you change channels.



L 0 R



√ On
Off

Sound Menu

SPDIF Format

Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

Press the ► button and then use ▲ / ▼ button to select **SPDIF Format**.

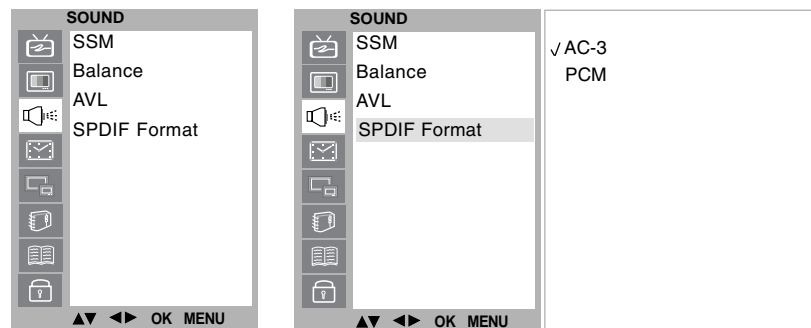
Press the ► button and then use ▲ / ▼ button to select **AC-3** or **PCM**.

Repeatedly press the **MENU** button to return to normal TV viewing.

Note :

*a : It's available to use **AC-3** or **PCM** in Dolby Digital Audio signal.*

*b : When it doesn't apply the Dolby Digital Audio signal, select the **PCM** function to output the dolby digital audio by SPDIF output.*



Stereo/SAP Broadcasts Setup

- The TV can receive MTS stereo programs and any SAP (Secondary Audio Program) that accompanies the stereo program, if the broadcaster transmits an additional sound signal as well as the original one.
- Mono: The primary language is heard from left and right speakers. Signal mode is mono.
- Stereo: The primary language is heard from left and right speakers. Signal mode is stereo.
- SAP: The secondary language is heard from left and right speakers.



- Press the **I/II** button repeatedly.
 - Select mono sound mode if the signal is not clear or in poor signal reception areas.
 - **Stereo, SAP** mode are available only if included on the broadcast signal.

Audio Language (in digital mode only)

- Press the **I/II** button repeatedly.
 - This function lets you select your preferred language for audio.
 - If the audio data in selected language is not broadcasted, the supported audio will be played.
 - If other languages available on the digital signal, select them with the **I/II** button.
 - The broadcast supported audio language will be appear in turn.

Time Menu

Clock

[Auto]

- The time is set automatically from a digital channel signal.
- The digital channel signal includes information for the current time provided by the broadcasting station.
- Set the clock manually, if the current time is set incorrectly by the auto clock function.

Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Clock**.

Press the ► button and then ▲ / ▼ button to select **Auto**.

Repeatedly press the **MENU** button to return to normal TV viewing.

[Manual]

- If current time setting is wrong, reset the clock manually.

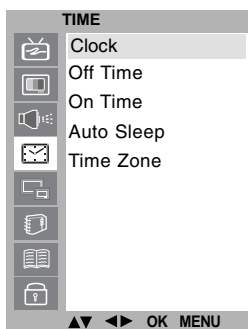
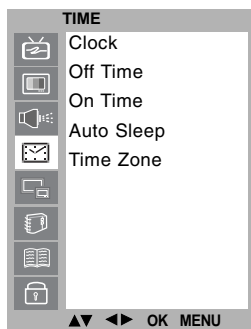
Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

Press the ► button and then ▲ / ▼ button to select **Clock**.

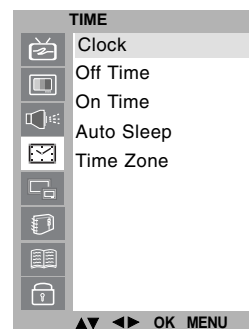
Press the ► button and then ▲ / ▼ button to adjust the hour.

Press the ► button and then ▲ / ▼ button to adjust the minute.

Repeatedly press the **MENU** button to return to normal TV viewing.



▲ Auto ▼
02:37 AM



▲ Manual ▼
02:37 AM

On/Off Time

The off timer automatically switches the set to standby at the preset time.

Press the **MENU** button and then **▲ / ▼** button to select the TIME menu.

Press the **►** button and then **▲ / ▼** button to select **Off Time** or **On Time**.

Press the **►** button and then **▲ / ▼** button to select **On**.

To cancel **Off/On Time** function, press the **▲ / ▼** button to select **Off**.

Press the **►** button and then **▲ / ▼** button to adjust the hour.

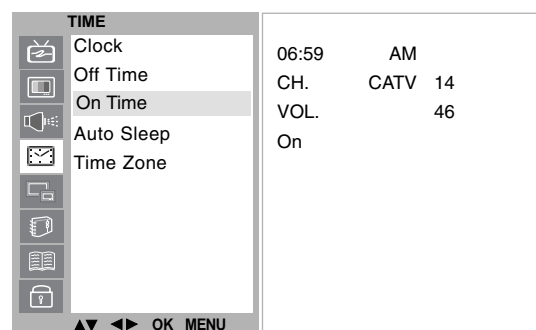
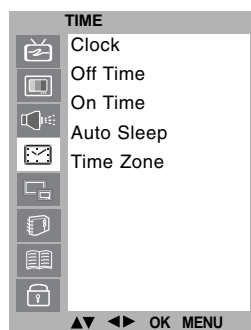
Press the **►** button and then **▲ / ▼** button to adjust the minute.

Only On time function; Press the **►** button and then **▲ / ▼** button to adjust volume level and programme number.

Repeatedly press the **MENU** button to return to normal TV viewing.

Note :

- a. In the event of power interruption (disconnection or power failure), the clock must be reset.
- b. Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.
- c. Once the on or off time is set, these functions operate daily at the preset time.
- d. Off Timer function overrides On Timer function if they are set to the same time.
- e. The set must be in standby mode for the On Timer to work.



Time Menu

Auto sleep

If you select **On** on the **Auto Sleep** menu, the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting.

Press the **MENU** button and then **▲ / ▼** button to select the **TIME** menu.

Press the **►** button and then **▲ / ▼** button to select **Auto Sleep**.

Press the **►** button and then **▲ / ▼** button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

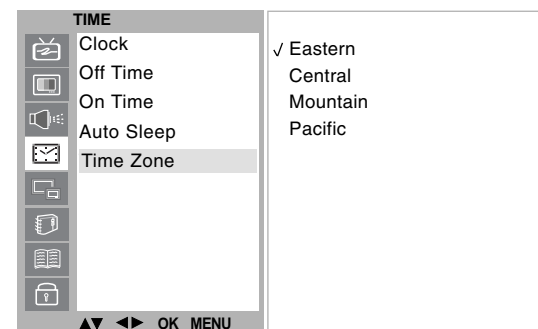
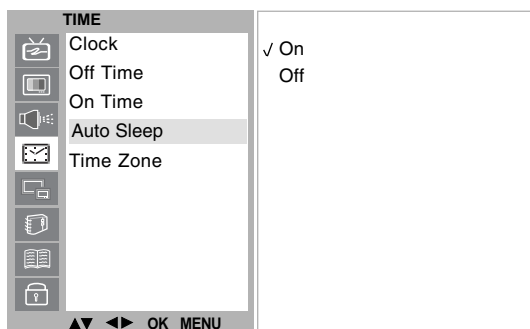
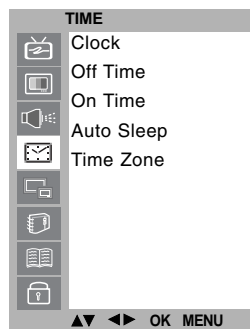
Time Zone

Press the **MENU** button and then **▲ / ▼** button to select the **TIME** menu.

Press the **►** button and then **▲ / ▼** button to select **Time Zone**.

Press the **►** button and then **▲ / ▼** button to select your viewing area time zone : **Eastern, Central, Mountain, Pacific**.

Repeatedly press the **MENU** button to return to normal TV viewing.



Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time has elapsed.

Press the **SLEEP** button to select the number of minutes. The display ' --- min ' will appear on the screen, followed by **10, 20, 30, 60, 90, 120, 180** and **240**. The timer begins to count down from the number of minutes selected.

Note :

- a. To view the remaining sleep time, press the **SLEEP** button once.*
- b. To cancel the sleep time, repeatedly press the **SLEEP** button until the display ' --- min ' appears.*
- c. When you switch the set off, the set releases the preset sleep time.*

Setup Menu

Child lock

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

Press the **MENU** button and then **▲ / ▼** button to select the Setup menu.

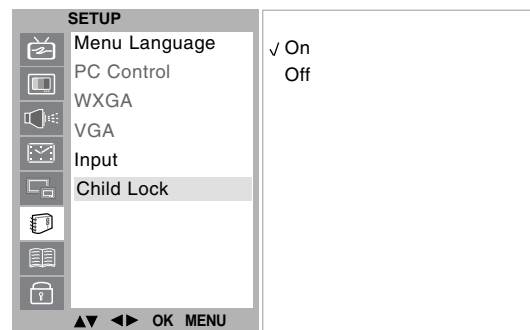
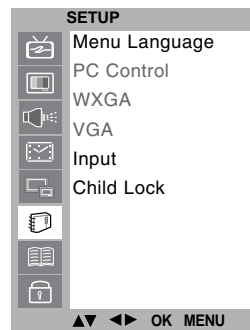
Press the **►** button and then **▲ / ▼** button to select **Child lock**.

Press the **►** button and then **▲ / ▼** button to select **On** or **Off**.

Repeatedly press the **MENU** button to return to normal TV viewing.

With the lock on, the display **Child lock on** appears on the screen if any button on the side panel is pressed while viewing the TV.

Note : The display **Child lock on** will not appear on the screen if any button on the panel is pressed while displaying the menus.



Caption Menu

Caption On/Off

Use the **CC** button repeatedly to select Captions.

EZ Mute shows the selected captions option (if available on program) when the TV sound is muted.

Press the **MENU** button and then use **▲ / ▼** button to select the Caption menu.

Press the **►** button and then use **▲ / ▼** button to select **Caption On/Off**.

Press the **►** button and then use **▲ / ▼** button to select **Off**, **On** or **Ez Mute**.

Press the **MENU** or **OK** button to save.

Note : It's not available in Component and RGB-PC modes.

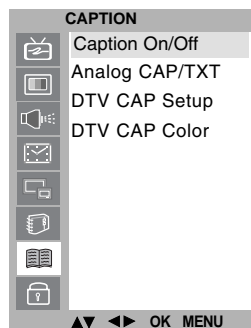
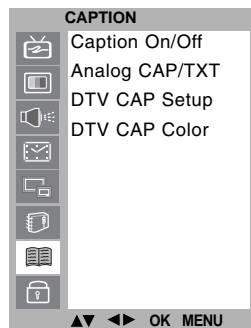
Analog CAP/TXT

Press the **MENU** button and then use **▲ / ▼** button to select the Caption menu.

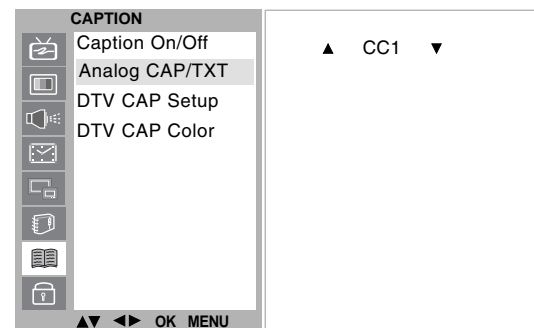
Press the **►** button and then use **▲ / ▼** button to select **Analog CAP/TXT**.

Use the **▲ / ▼** button to select your caption selection. Your choices are : **CC1**, **CC2**, **CC3**, **CC4**, **Text 1**, **Text 2**, **Text3** and **Text4**.

Press the **EXIT** button to save and return to TV viewing.



√ Off
Ez Mute
On



▲ CC1 ▼

Caption Menu

DTV CAP Setup

Press the **MENU** button and then use ▲ / ▼ button to select the Caption menu.

Press the ► button and then use ▲ / ▼ button to select **DTV CAP Setup**.

Press the ► button and then use ▲ / ▼ button to select **Service**, **Font By**, **Font Size** or **Font Style**.

Press the ◀ / ▶ button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.

DTV CAP Color

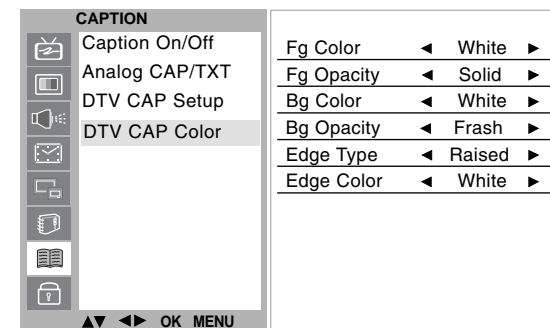
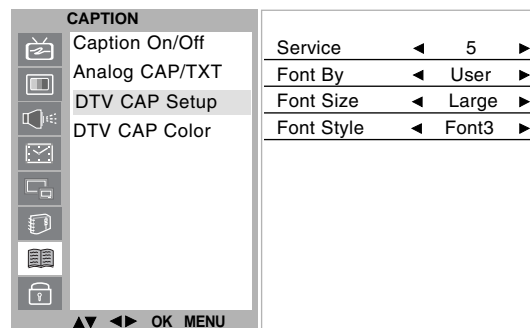
Press the **MENU** button and then use ▲ / ▼ button to select the Caption menu.

Press the ► button and then use ▲ / ▼ button to select **DTV CAP Color**.

Press the ► button and then ▲ / ▼ button to select the desired font style item.

Press the ◀ / ▶ button to make appropriate adjustments.

Repeatedly press the **MENU** button to return to normal TV viewing.



Lock Menu (option)

Lock Menu Options

Parental Control can be used to block specific channels, ratings and other viewing sources.

The Parental Control Function (V-Chip) is used to block program viewing based on the ratings sent by the broadcast station. The default setting is to allow all programs to be viewed. Viewing can be blocked by the type of program and by the categories chosen to be blocked. It is also possible to block all program viewing for a time period. To use this function, the following must be set :

1. Ratings and categories to be blocked.
2. Set a password
3. Enable the lock

V-Chip rating and categories

Rating guidelines are provided by broadcast stations. Most television programs and television movies can be blocked by TV Rating and/or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

For Movies previously shown in theaters :

Movie Ratings :

- Unblocked
- G and Above
: (general audience)
- PG and Above
: (parental guidance suggested)
- PG-13 and Above
: (13 years and older))
- NC-17 and Above
: (18 years and older)
- X : (adult)

If you set PG-13 and Above : G and PG movies will be available , PG-13, NC-17 and X will be blocked.

For Television programs including made-for-TV movies:

General TV Ratings:

- Unblocked
- TV-G and Above
: (general audience)
: (individual categories do not apply)
- TV-PG and Above
: (parental guidance suggested)
- TV-14 and Above
: (14 years and older)
- TV-MA
: (mature audience)

Children TV Ratings:

- Unblocked
- TV-Y and Above
: (youth) (individual content categories do not apply)
- TV-Y7
: (youth, 7 years and older)

Lock Menu (option)

Content Categories:

- Dialog - sexual dialogue
: (applies to TV-PG and Above, TV-14, Unblocked)
- Language - adult language
: (applies to TV-PG and Above, TV-14 and Above, TV-MA, Unblocked)
- Sex scenes - sexual situations
: (applies to TV-PG and Above, TV-14 and Above, TV-MA, Unblocked)
- Violence
: (applies to TV-PG and Above, TV-14 and Above, TV-MA, Unblocked)
- F Violence - fantasy violence
: (applies to TV-PG and Above, TV-14 and Above, TV-MA, Unblocked)

For Canadian English/French language rating system:

Canadian English language rating system:

- C and Above
: Children)
- C8+ and Above
: (8 years and up)
- G and Above
: (General programming. Suitable for all audiences.)
- PG and Above

: (Parental guidance suggested)

- 14+and Above
:(Viewers 14 years and older)
- 18+
: (Adult programming)
- Unblocked

Canadian French language rating system:

- G (General)
- 8 ans+ (8 years and older)
- 13 ans+ (13 years and older)
- 16 ans+ (16 years and older)
- 18 ans+ (Adults only)
- Unblocked

Lock Menu (option)

Lock Menu Setup

Press the **MENU** button and then use ▲ / ▼ button to select the LOCK menu.

Then, press the ► button.

- If **Lock** is already set, enter the password requested.
- The TV is set with the initial password "0-0-0-0".

Setting Lock on/off:

Press the ▲ / ▼ button to select **Lock on/off**.

Press the ► button and then use ▲ / ▼ button to select **on** or **off**.

Set password:

Press the ▲ / ▼ button to select **Set password**.

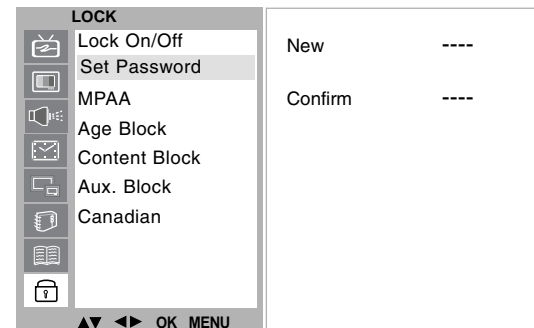
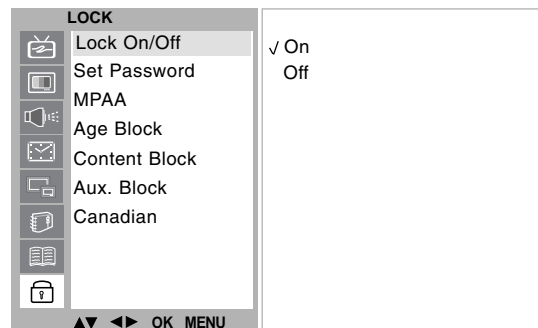
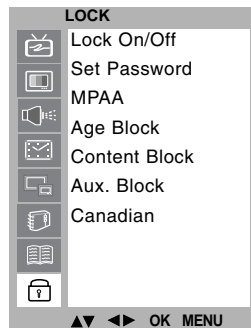
Press the ► button and then enter a four digit password.

Enter it again when requested.

Press the ▲ / ▼ button to select type of blocking to be set.

Press the ► button and then use ▲ / ▼ button to select type of ratings to block .

- **Age block**, **Content block**, and **Canadian** menus, also have sub menus. So, repeat steps 4 and 5 in the sub menu, to set the types of blocking and ratings.



EPG (Electronic Programme Guide) / Information

38

EPG (Electronic Programme Guide)

- This function can be used only when the EPG information is broadcasted by broadcasting companies.
- This system has an Electronic Programme Guide (EPG) to help your navigation through all the possible viewing options.
- The EPG supplies information such as programme listings, start and end times for all available services.
- In addition, detailed information about the programme is often available in the EPG (the availability and amount of these programme details will vary, depending on the particular broadcaster.)

Switch on/off EPG

Press the **EPG** button.

Press the **EPG** button to return to normal TV viewing.

Select a programme

Press the **▲ / ▼** button to select desired programme.

Press the **◀ / ▶** button to select a programme time.

Press the **OK** button to display the selected programme.

ABC		Friday, 22. July. 2005
03:15 am	News Parade	
03:20 am	Live Broadcasting Today (part1-3	
03:30 am	Pz's Morning part1	
03:45 am	PJK News	
04:00 am	Come to Papa	
04:15 am	Stephen King's 'Kingdom Hospital'	

Information

- This function shows the present screen information.

Press the **INFO** button during watching TV.

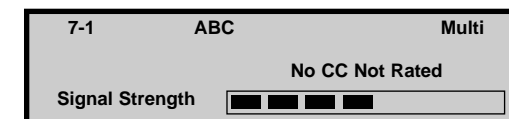
The service information appears on screen.

Press the **INFO** or **MENU** button to exit.

Note :

a When you press the **OK** button, **Signal Strength** aren't displayed on the information OSD.

b It's disappeared after a while.



PC Setup

You can adjust horizontal/vertical position, clock, phase, and auto-configure, reset as you prefer.

Press the **MENU** button and then **▲ / ▼** button to select the SETUP menu.

Press the **▶** button and then **▲ / ▼** button to select the desired picture item.

Press the **◀ / ▶** button to make appropriate adjustments.

H-Position / V-Position

This function is to adjust picture to left/right and up/down as you prefer.

Clock

This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

Phase

This function allows you to remove any horizontal noise and clear or sharpen the image of characters.

Auto-configure

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

Reset

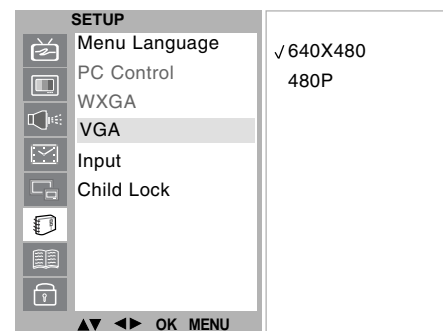
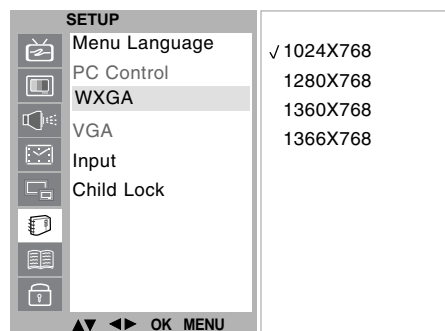
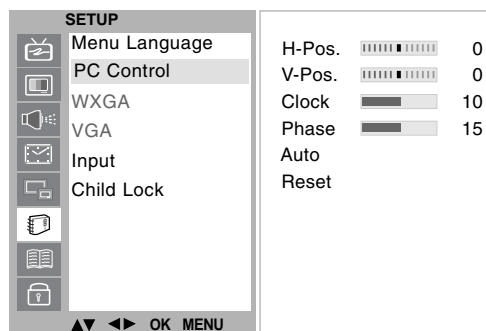
This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

Note : Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and phase manually.

Press the **OK** button to store it for the PC monitor picture. Press the **EXIT** button to return to PC mode.

WXGA (or VGA (Only RGB/DVI mode))

- When the set is inputted DVI-480p signal in VGA mode, select 480p on the SETUP menu.
- When the set is inputted WXGA signal, select the desired WXGA resolution.



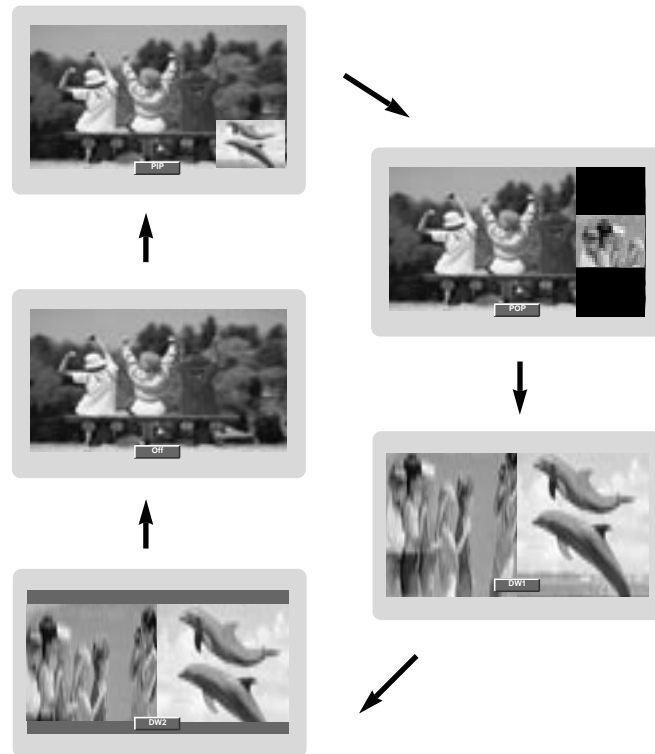
PIP (Picture-In-Picture) Feature

- PIP lets you view 2 different inputs (sources) on your monitor screen at the same time. One source will be large, and the other source will show a smaller inset image.
- PIP is not available in **Lock On** mode only.

Watching PIP

Press the **PIP** button to show the sub picture.

- Each press of **PIP** button changes the screen display as shown below.



PIP Audio Input

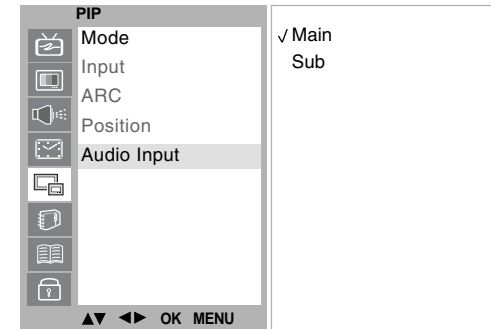
PIP mode - main and sub picture audio select.

Press the **MENU** button and then **▲** / **▼** button to select the PIP menu.

Press the **►** button and then **▲** / **▼** button to select **Audio Input**.

Press the **►** button and then **▲** / **▼** button to select **Main** or **Sub**.

Repeatedly press the **MENU** button to return to normal TV viewing.

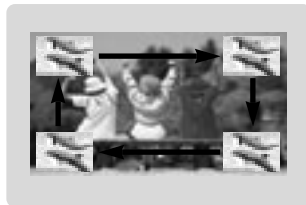


PIP (Picture-In-Picture) Feature

Moving the PIP

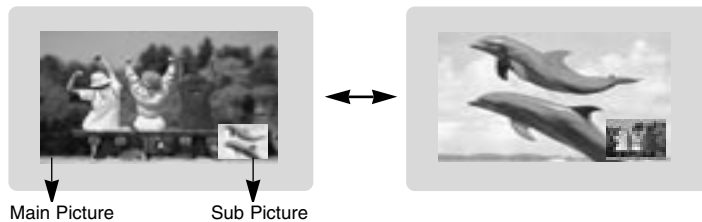
Press the **PIP POSITION** button.

Press the **PIP POSITION** button repeatedly until desired position is achieved. The sub pictures move clockwise.



Swapping the PIP

Press the **SWAP** button to exchange the main and sub pictures.



Programme selection for sub picture

Press the **PIP PR +/-** button. The selected programme number is displayed just below the programme number of main picture.

Selecting a Input Signal Source for the PIP

Use the **PIP INPUT** button to select the input source for the sub picture.



Programme scan

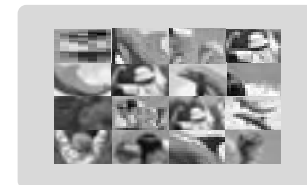
This function enables you to search all the stored stations on 4 or 16 sub pictures and see your favorite station by exchanging the main and sub pictures.

Press the **SCAN** button repeatedly to select POP4/POP16.

The selected sub or main pictures search all the stored stations.

Press the **EXIT** button to switch off sub or main pictures.

This function works in the following mode : TV, AV1, AV2, S-VIDEO.



Displayable Monitor Specification

RGB Mode / DVI Mode

MODE	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
DOS	640X350	61.5	70.0
	720X400	31.5	70.0
		37.9	85.0
VGA	640X480	31.5	60.0
		37.8	72.0
		37.5	75.0
		43.2	85.0
SVGA	800X600	35.1	56.0
		37.9	60.0
		48.0	72.0
		46.9	75.0
		53.7	85.0
XGA	1024X768	48.4	60.0
		56.4	70.0
		60.0	75.0
		60.0	85.0
SXGA	1280X1024	63.9	60.0
		75.0	70.0
		79.9	75.0
		91.1	85.0
WXGA	1280X768	47.7	60.0
		60.1	75.0
		68.5	85.0
	1360X768	49.0	60.0
	1366X768	49.0	60.0
UXGA	1600X1200	75.0	60.0
MAC	832X624	49.7	75.0

(Synchronization input form : separate)

Note:

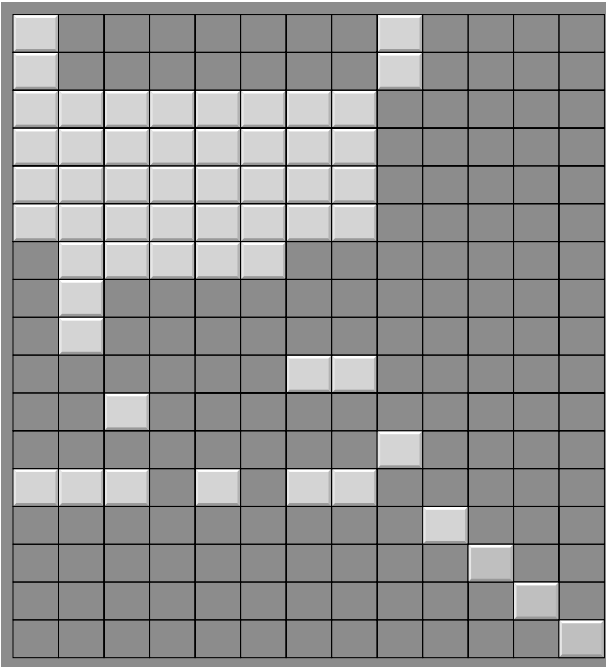
- If the set is cold, there may be a small “flicker” when the set is switched on. This is normal, there is nothing wrong with the set.
- If possible, use the VESA 1,280x1,024@60Hz video mode to obtain the best image quality for your LCD monitor. If used to PC vertical frequency 85Hz, some noise can be seen when PIP is on. In this case, set the PC vertical frequency to 60Hz. The set has been pre-adjusted to the mode VESA 1,280x1,024@60Hz.
- Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.
- Do not press the LCD screen with your finger for a long time as this may produce some temporary distortion effects on the screen.
- When the PC screen appears on the set, a message may appear on the screen, and the message will differ according to the Window system version (Win98, 2000). If a message appears click “Next” until the message finishes.
- If the message “**Out Of Range**” appears on the screen, adjust the PC as in the ‘Displayable Monitor Specification’ section.

Troubleshooting

Check list

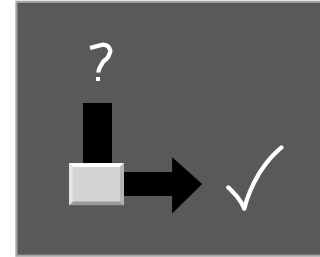
Symptoms

- No picture, no sound
- Sound OK, poor picture
- Picture OK, poor sound
- Picture blurred
- Lines or streaks in picture
- Poor reception on some channels
- No colour
- Poor colour
- Remote control does not work
- Incorrect position
- Vertical bars or stripes on background
- Horizontal noise
- Signal Cable message appears



Check these items and try to adjust these

- The mains plug-(plugged in and switched on)
- Is the TV switched on
- Try another channel (weak signal)
- Check aerial (plugged into TV?)
- Check aerial (broken lead?)
- Check aerial
- Check for local interference
- Adjust contrast
- Adjust brightness
- Adjust colour
- Adjust volume
- Check the batteries in remote control
- Check Audio/Video sockets (VCR only)
- Auto-configure or adjust the H/V position
- Auto-configure or adjust Clock
- Auto-configure or adjust Clock Phase
- Is the Signal Cable connected or loose



Product Specification

Power Requirement	AC 100 - 240V ~ , 50/60Hz(Auto Switching)
Power Consumption	240W
Resolution	1366*768(dot)
Colors	16.7M
Viewing Angle	178/178(degrees)
Luminance	500cd/m ²
Contrast Ratio	550:1
Speaker	30W(15W+15W)
Antenna in	75 ohm Din jack
Applied Tuner	PAL: TAEW-W101P(LG) NTSC: TAW-E-H101P(LG)

