



DLP PROJECTION TV OWNER'S MANUAL

Please read this manual carefully before operating your set.
Retain it for future reference.
Record model number and serial number of the set.
See the label attached on the back cover and quote this
information to your dealer when you require service.

Model number :
Serial number :

P/NO : 3828VA (MB02JB, 092V TX)

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Installation

Power

This set operates on an AC mains supply, the voltage is as indicated on the label on the back cover. Never apply DC power to the set. In the event of thunderstorms or powercuts, please pull out the aerial and mains plugs.

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture.

Service

Never remove the back cover of the set as this can expose you to very high voltage and other hazards. If the set does not operate properly, unplug it and call your dealer.

Aerial

Connect the aerial cable to the socket marked 1175Ω on the back cover. For the best reception an outdoor aerial should be used.

Location

Position your set so that no bright light or sunlight falls directly onto the screen. Care should be taken not to expose the set to any unnecessary vibration, moisture, dust or heat. Also ensure that the set is placed in a position to allow a free flow of air. Do not cover the ventilation openings on the back cover.

Avoid having a fixed image remain on the screen for a long period of time. Typically a frozen still picture from a VCR, 4:3 picture format or if a CH label is present; the fixed image may remain visible on the screen.

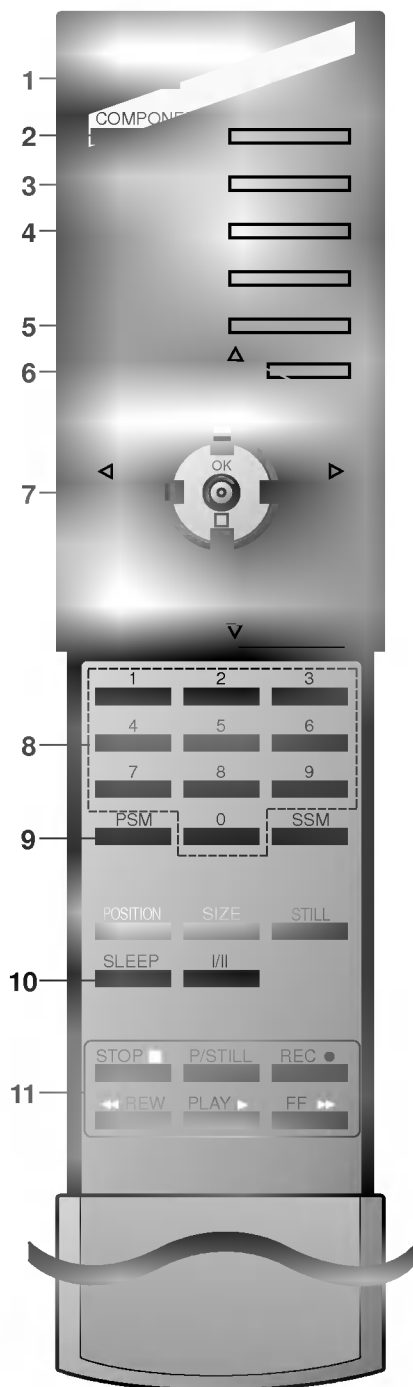
Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Location and function of controls

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.

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.



1. **POWER**
switches the set on from standby or off to standby.
2. **COMPONENT**
selects **Component 1** or **Component 2** modes.
3. **LIST**
displays the program table.
4. **MUTE**
switches the sound on or off.
5. **SWAP**
returns to the previously viewed programme.
6. **MENU**
selects a menu.
7. **▲ / ▼ (Program Up/Down)**
selects a program or a menu item.
switches the set on from standby.
◀ / ▶ (Volume Up/Down)
adjusts the volume.
adjusts menu settings.
OK
accepts your selection or displays the current mode.
8. **NUMBER BUTTONS**
switches the set on from standby or directly select a number.
9. **PSM (Picture Status Memory)**
recalls your preferred picture setting.
10. **SLEEP**
sets the sleep timer.
11. **VCR BUTTONS**
control a LG video cassette recorder.

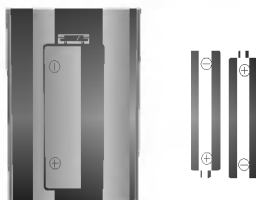
Location and function of controls

- 12. TV/AV**
selects the remote operating mode.
switches the set on from standby.
- 13. ARC (Aspect Ratio Control)**
changes the picture format.
- 14. PIP BUTTONS**
PIP
switches the sub picture on or off.
PR +/-
selects a program for the sub picture.
SWAP
alternates between main and sub picture.
INPUT
selects the input mode for the sub picture.
SIZE
adjusts the sub picture size.
STILL
freezes motion of the sub picture.
POSITION
relocates the sub picture in clockwise direction.
- 15. CANCEL/EXIT**
Clears all on-screen displays and returns to TV viewing from any menu.
- 16. SSM (Sound Status Memory)**
recalls your preferred sound setting.
- 17. I/II**
selects the language during dual language broadcast.
selects the sound output.

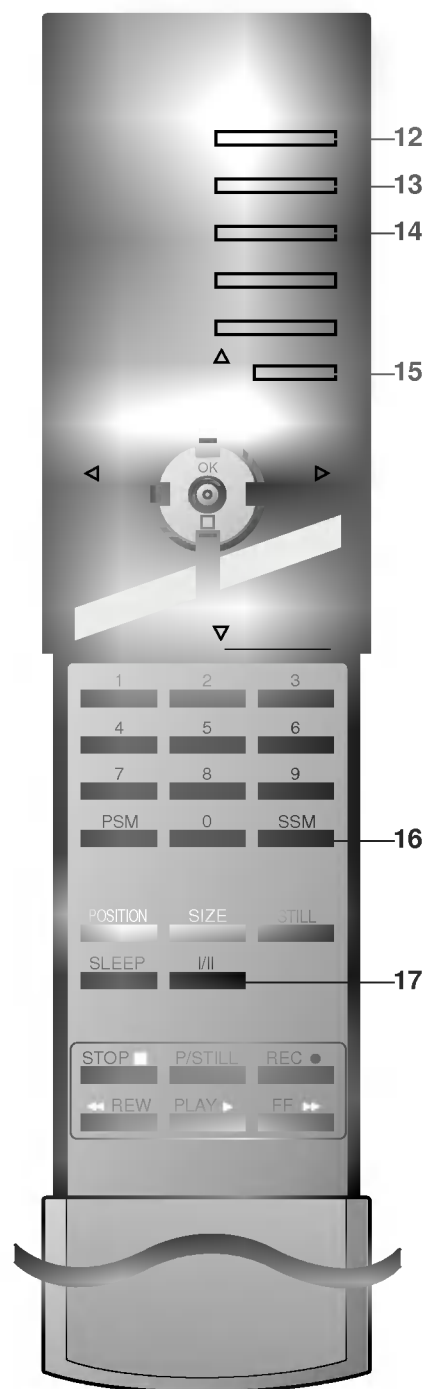
Note : In teletext mode, the **PR +/-**, **SWAP** and **INPUT** buttons are used for teletext function.

Battery installation

The remote control handset is powered by two AAA type batteries. To load the batteries, turn the remote control handset over and open the battery compartment. Install two batteries as indicated by the polarity symbols (+ and -) marked inside the compartment.



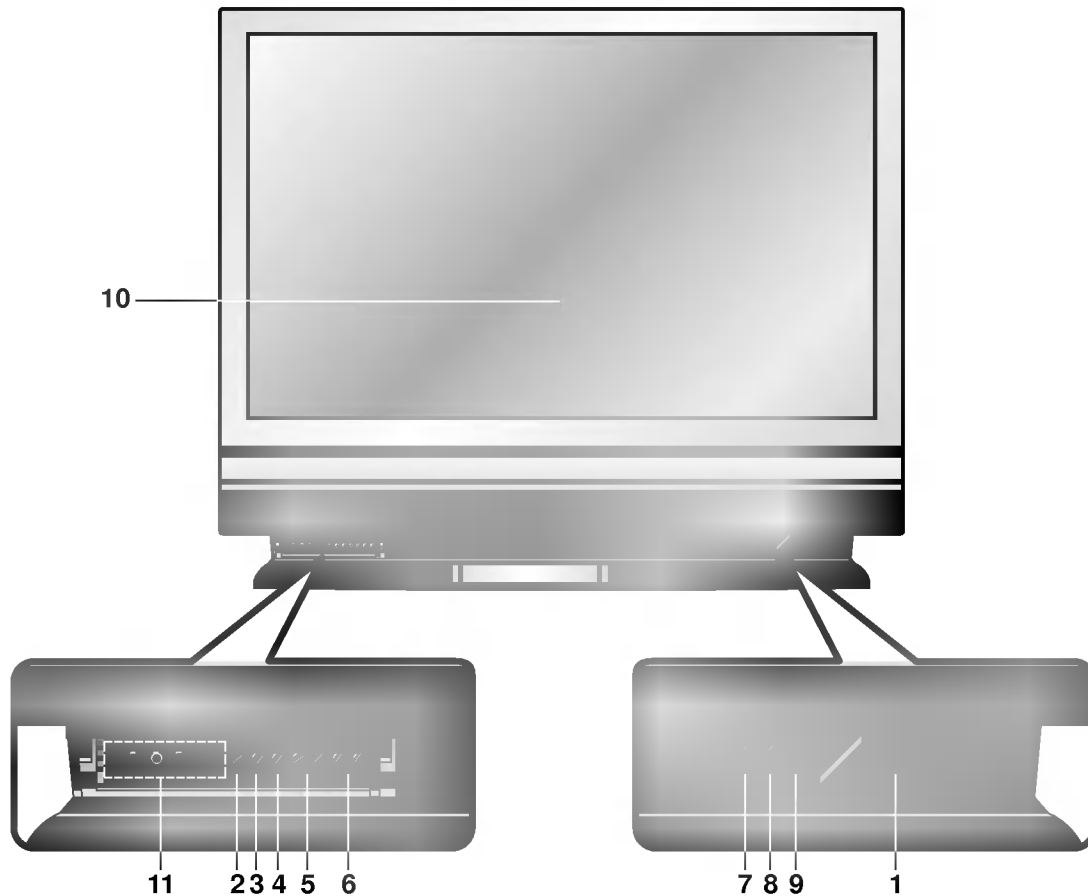
Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.



Location and function of controls

Front panel

Lamp indicator, operation indicator, and temperature indicator, located side the front panel controls reveal the operating status of the DLP(Digital Light Processing) projection TV.

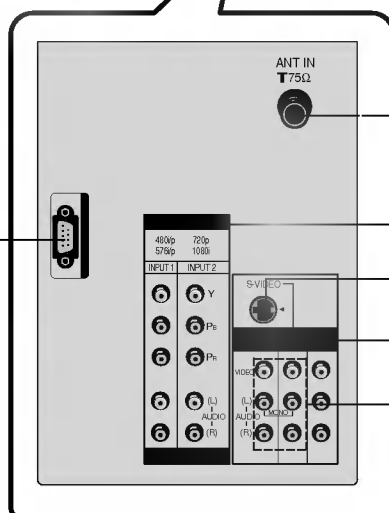
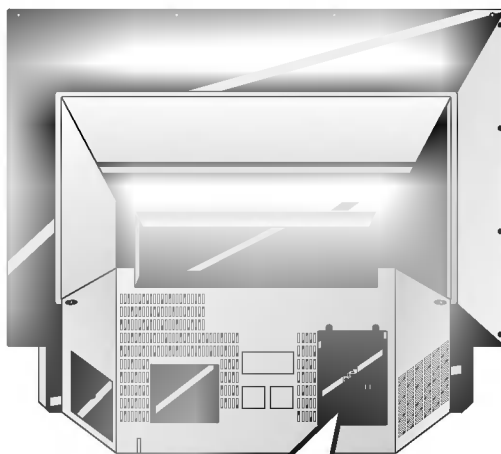


- 1. MAIN POWER (ON/OFF)**
switches the set on or off.
- 2. TV/AV**
selects TV or AV mode.
switches the set on from standby.
- 3. MENU**
selects a menu.
- 4. OK**
accepts your selection or displays the current mode.
- 5. ◀ / ▶ (Volume Down/Up)**
adjusts the volume.
adjusts menu settings.
- 6. ▲ / ▼ (Program Up/Down)**
selects a program or a menu item.
switches the set on from standby.
- 7. OPERATION INDICATOR** (Refer to p.7)
- 8. LAMP INDICATOR** (Refer to p.7)
- 9. TEMPERATURE INDICATOR** (Refer to p.7)
- 10. REMOTE CONTROL SENSOR**
- 11. AUDIO/VIDEO IN SOCKETS (AV3)**
Connect the audio/video out sockets of external equipment to these sockets.
S-VIDEO/AUDIO IN SOCKETS (S-VIDEO)
Connect the S-VIDEO out socket of an VCR to the **S-VIDEO** socket.
Connect the audio out sockets of the VCR to the audio sockets as in **AV3**.

Note : There might be a faint white trace on the center of the screen according to the position. This is normal and is a characteristic of the screen.

Location and function of controls

Rear panel



UPGRADE PORT

This port is used to upgrade the software version and debug without changing the hardware. Be careful not to use this port. Just contact your dealer or service centre.

AERIAL SOCKET

DVD/DTV INPUT SOCKETS

S-VIDEO INPUT SOCKET

MONITOR OUTPUT SOCKETS

AUDIO/VIDEO INPUT SOCKETS

•Status Indicators

Operation Indicator	Off	Power cord is not connected.
	Red	Power Cord is connected, unit is on standby.
	Green	On
	Orange (flashing)	Preparing operation in standby.
Lamp Indicator	Orange	Projection lamp is reaching the end of its life and needs to be replaced with a new lamp.
	Green (flashing)	The lamp cover is not closed.
Temperature Indicator	Orange	The set is overheating.
	Red	The set has shut down due to overheating.
	Red (flashing)	The set has shut down, check the cooling fan.

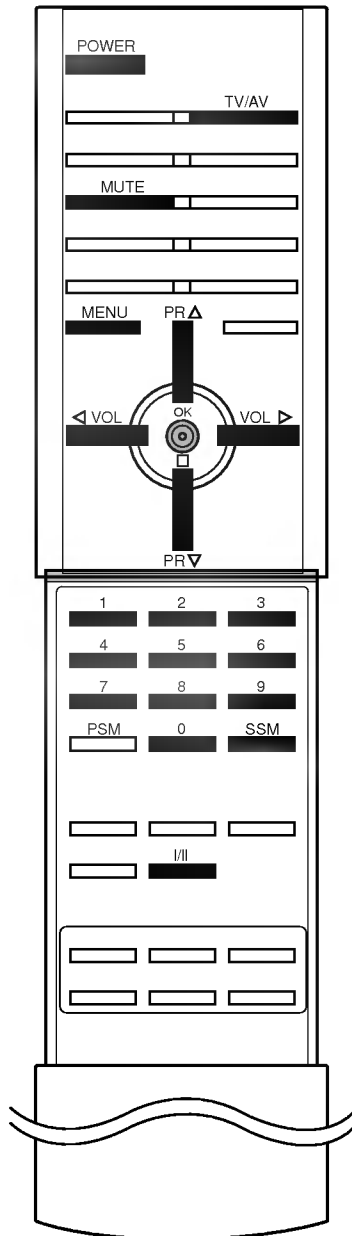
Basic Operation

On and off

1. Before turning the set on, be sure that the main power switch on the set is pushed on.
When the main switch is pushed on, the LED will be lit up red. This mode is Stand-by.
2. If the set is in stand-by mode, press the POWER, ▲ / ▼, TV/AV or NUMBER button on the remote control handset to turn it on fully. The LED will blink orange for a while and then lit up green when the power is successfully on.
3. To turn the set off, press the power button on the remote control handset. The set reverts to the stand-by mode.

Note :

- a. The lamp cooling fan will continue to spin for approximately 120 seconds after the power is turned off by the remote control handset.
- b. Normally, don't push off the main power switch. Instead, use the remote control to turn the power off.
- c. When the set is turned on again immediately after turning off, it takes around 50 to 70 seconds for sufficient cooling.
- d. When the power is switched off using the main power switch on the set, the internal cooling system also stops operating. Therefore, power-on by main power switch takes around 50 to 70 seconds for sufficient cooling.
- e. **Forced Power-Off** : When the set decides itself that the circumstance is not proper for operation, the set will go to the stand-by mode automatically. Please retry to turn on the set after a short period of time.
- f. When the set is switched on, there might be a strange sound from the set.



Program selection

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


Volume adjustment

Press the ◀ / ▶ button to adjust the volume.

Quick view

Press the **SWAP** button to view the last programme you were watching.

Mute function

Press the **MUTE** button. The sound is switched off and the display  appears.

You can cancel it by pressing the **MUTE**, ◀ / ▶, **SSM**, **I/II** button.

On screen language selection (option)

The menu can be displayed on the screen in desired language. First select your language.

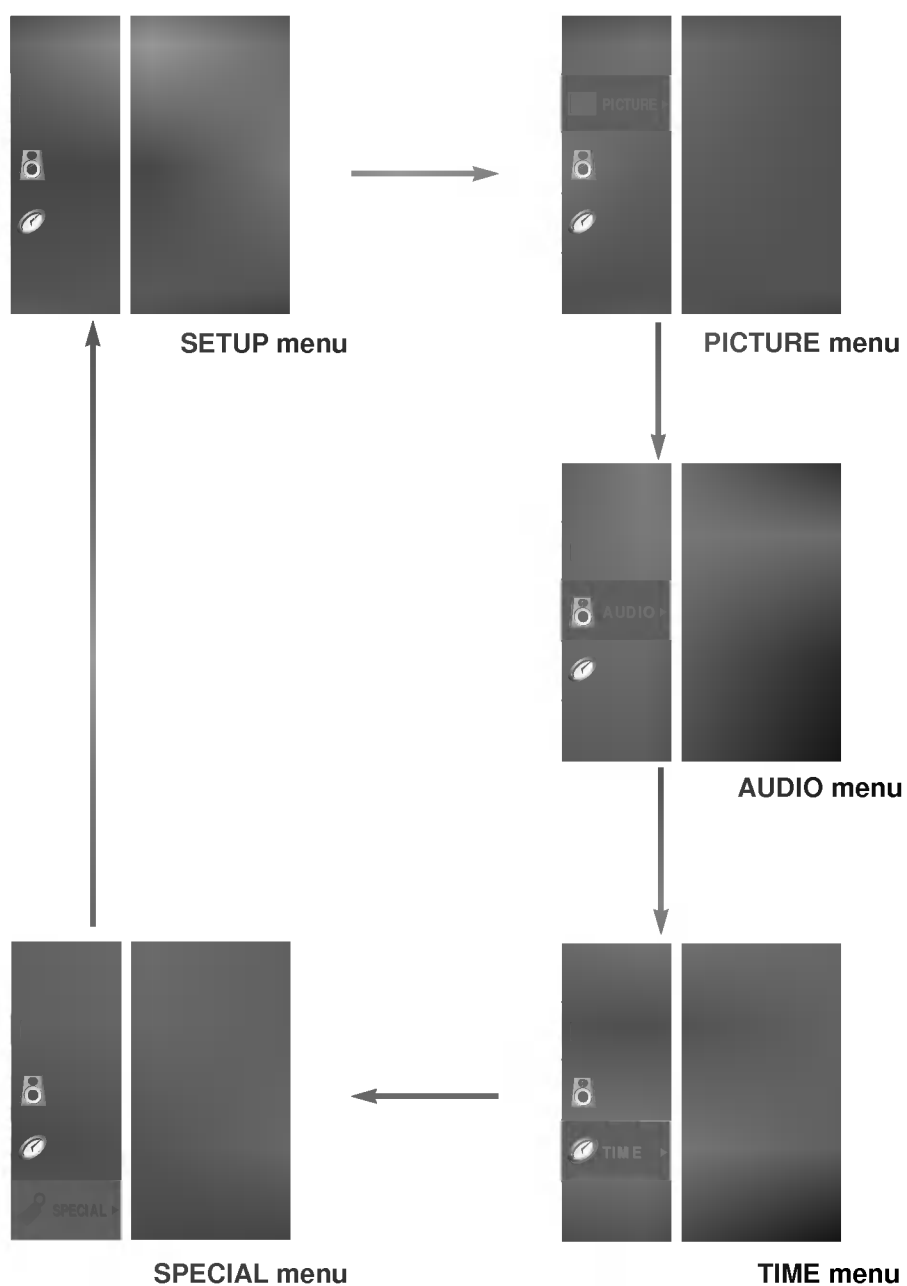
1. Press the **MENU** button and then ▲ / ▼ button to select the Special menu.
 2. Press the ▶ button and then the ▲ / ▼ button to select **Language**.
 3. Press the ▶ button and then the ▲ / ▼ button to select your desired language.
 4. Press the **OK** or ◀ button.
All the on screen displays will appear in the selected language.
 5. Repeatedly press the **MENU** button to return to normal TV viewing.
-

On Screen Menus

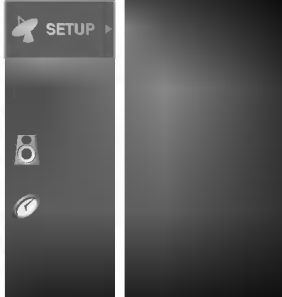
The dialogue between you and your set takes place on screen with an operator menu. The buttons required for the operating steps are also displayed.

Menu selection

1. Press the **MENU** button and then **▲** / **▼** button to display each menu.
2. Press the **▶** button and then the **▲** / **▼** button to select a menu item.
3. Repeatedly press the **MENU** button to return to normal TV viewing.



SETUP Menu



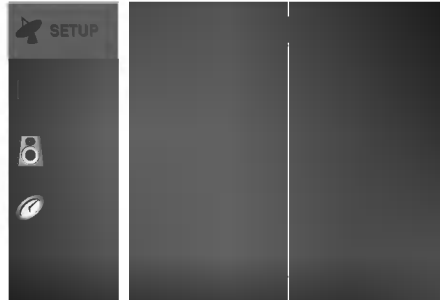
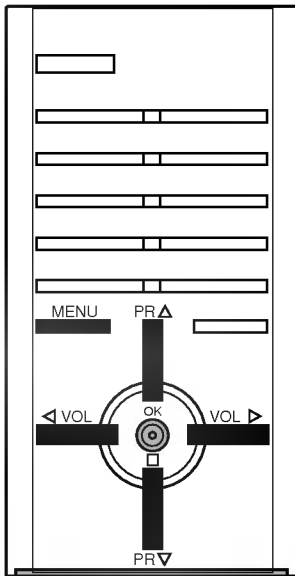
Up to 100 TV stations can be stored in this set by program numbers (0 to 99). Once you have preset the stations, you will be able to use the ▲ / ▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.

Note : In some models up to 200 TV stations can be stored.

Auto program tuning

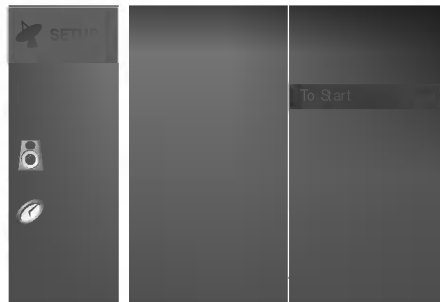
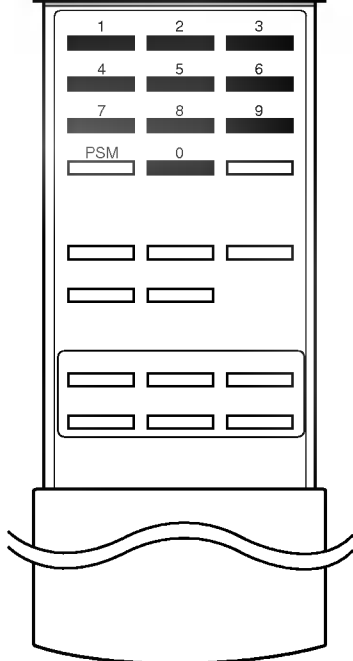
All stations that can be received are stored by this method. It is recommended that you use auto program during installation of this set.

1. Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.
2. Press the ► button and then ▲ / ▼ button to select **Auto Program**.
3. Press the ► button to select **System**. Select a TV system with the ▲ / ▼ button;



BG : (Asia/New Zealand/M.East/Africa/Australia)
I : (Hong Kong/South Africa)
DK : (East Europe/China/Africa/CIS)
M : (USA/Korea/Philippines) (option)

4. Press the ► button to select **Storage from**. Select the beginning program number with the ▲ / ▼ button or NUMBER buttons on the **Storage from** menu.
5. Press the ► button to select **To Start**.
6. Press the ► button to begin auto programming.



To stop auto programming, press the **MENU** button. When auto programming is completed, the **Program Edit** menu appears on the screen. See the 'Program Edit' section to edit the stored program.

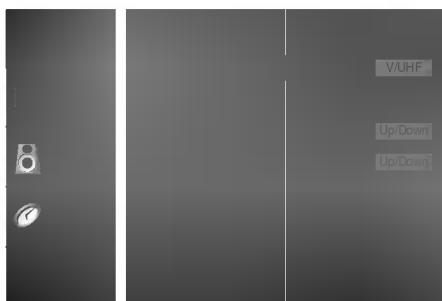
7. Repeatedly Press the **MENU** button to return to normal TV viewing.

SETUP Menu

Manual program tuning

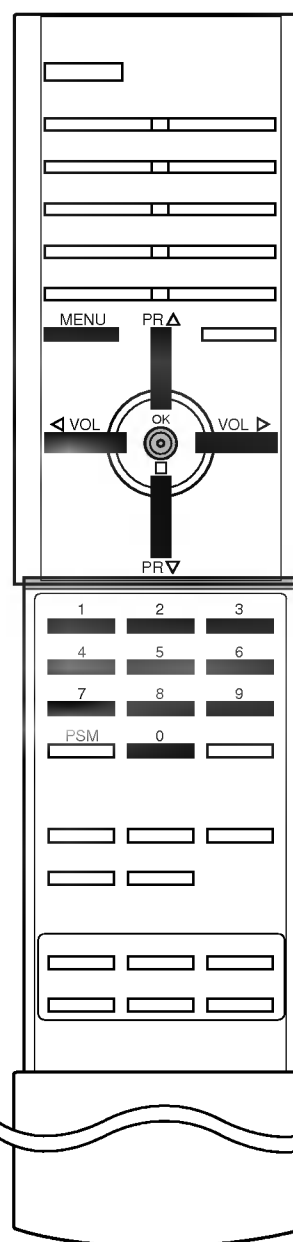
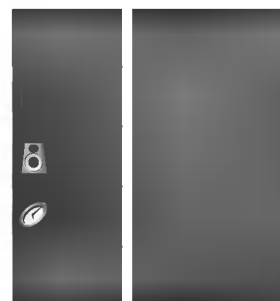
Manual program lets you manually tune and arrange the stations in whatever order you desire. Also you can assign a station name with five characters to each program number.

1. Press the **MENU** button and then **▲ / ▼** button to select the **SETUP** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Manual Program**.
3. Press the **▶** button to display the **Manual Program** menu.
4. Press the **▶** button to select **System**. Select a TV system with the **▲ / ▼** button;

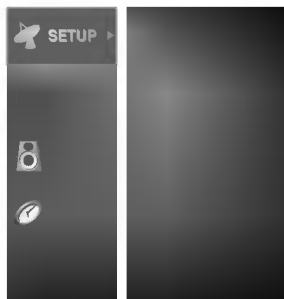


BG : (Asia/New Zealand/M.East/Africa/Australia)
I : (Hong Kong/South Africa)
DK : (East Europe/China/Africa/CIS)
M : (USA/Korea/Philippines) (option)

5. Press the **▶** button to select **Band**. Press the **▲ / ▼** button to select **V/UHF** or **Cable** as required.
6. Press the **▶** button to select **Channel**. Select the desired channel number with the **▲ / ▼** button or **NUMBER** buttons. If possible, select the channel number(1 to 69) directly with the number buttons.
7. Press the **▶** button to select **Search**. Press the **▲ / ▼** button to commence searching. If a station is found the search will stop.
8. If this station is the one required, press the **◀ / ▶** button to select **Storage**. Select the desired program number (0 to 99) with the **▲ / ▼** button or **NUMBER** buttons.
9. Press the **OK** button to store it.
10. To store another station, repeat steps 4 to 9.
11. Repeatedly press the **MENU** button to return to normal TV viewing.



SETUP Menu



Assigning a station name

1. Repeat the 'Manual program tuning' steps 1 to 3.
2. Press the ► button to select **Name**.
3. Press the ▲ button. You can use a blank, +, -, the numeric **0** to **9** and the alphabet **A** to **Z**.
With the ▼ button you can select in the opposite direction.
4. Select the next position by pressing the ► button and then take your choice of the second character, and so on.
5. Press the **OK** button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.

Booster (option)

In some models, **Booster** is an optional function. Only a set with **Booster** can perform this function.

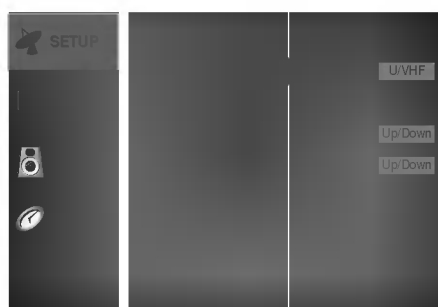
If the reception is poor at the fringe area of TV signal, select **Booster to On**. When the picture condition is good, do not select **Booster to On**.

1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ◀ / ▶ button to select **Booster**.
3. Press the ▲ / ▼ button to select **On** or **Off**.
4. Repeatedly press the **MENU** button to return to normal TV viewing.

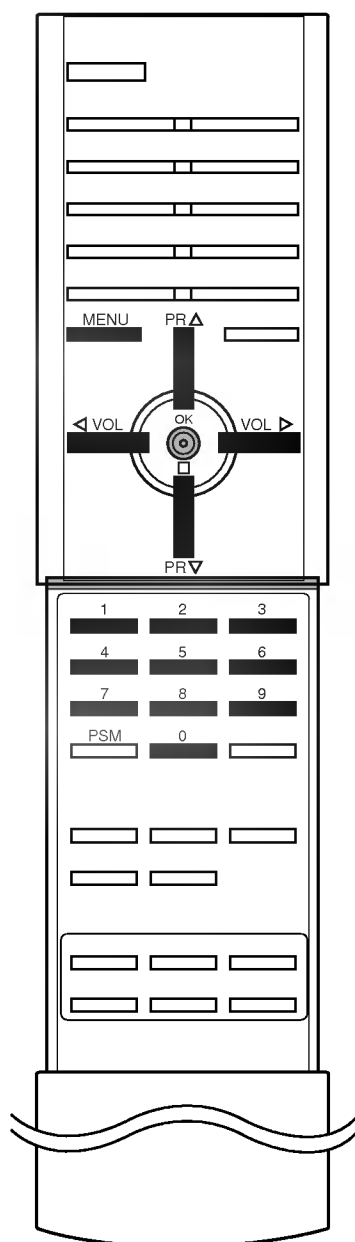
Fine tuning

Normally fine tuning is only necessary if reception is poor.

1. Repeat the 'Manual program tuning' steps 1 to 3.
2. Press the ► button to select **Fine**.
3. Press the ▲ / ▼ button to fine tune for the best picture and sound.



4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.
The finely tuned program will be indicated by yellow number during program selection.

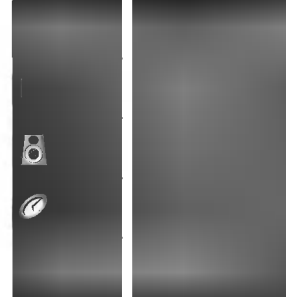
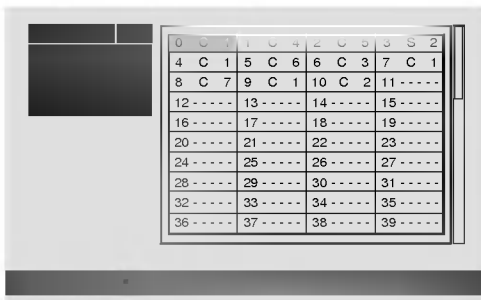


SETUP Menu

Program Edit

This function enables you to delete or skip the stored programmes. Also you can move some stations to other program numbers or copy a blank station data into the selected program number.

1. Press the **MENU** button and then **▲ / ▼** button to select the SETUP menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Program Edit**.
3. Press the **▶** button to display the **Program Edit** menu.



Deleting a program

1. Select a program to be deleted with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **RED** button twice.
The selected program is deleted, all the following programmes are shifted up one position.

Copying a program

1. Select a program to be copied with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **GREEN** button.
All the following programmes are shifted down one position.

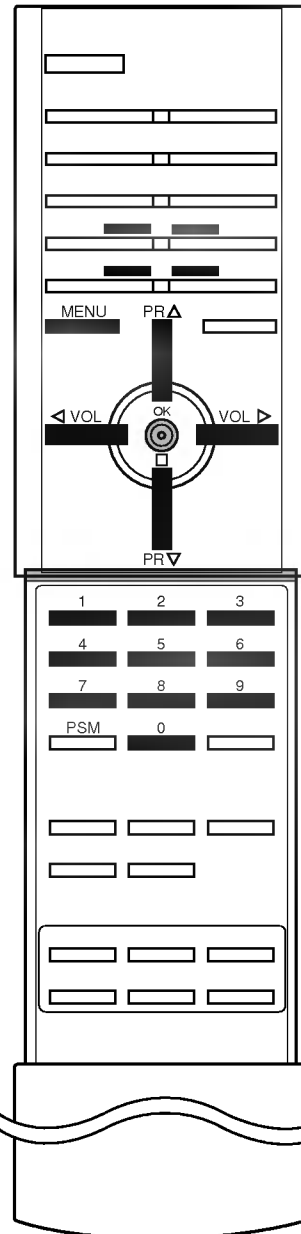
Moving a program

1. Select a program to be moved with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **YELLOW** button.
3. Move the program to the desired program number with the **▲ / ▼** or **◀ / ▶** button.
4. Press the **YELLOW** button again to release this function.

Skipping a program number

1. Select a program number to be skipped with the **▲ / ▼** or **◀ / ▶** button.
2. Press the **BLUE** button. The skipped program turns to blue.
3. Press the **BLUE** button again to release the skipped program.
When a program number is skipped it means that you will be unable to select it using the **▲ / ▼** button during normal TV viewing. If you want to select the skipped program, directly enter the program number with the NUMBER buttons or select it in the program edit or table menu.

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



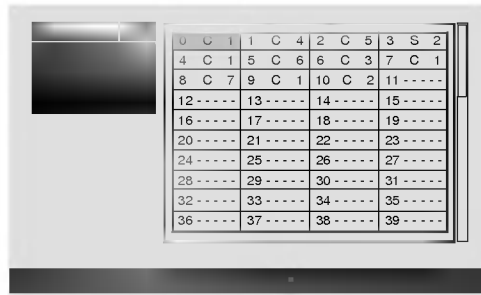
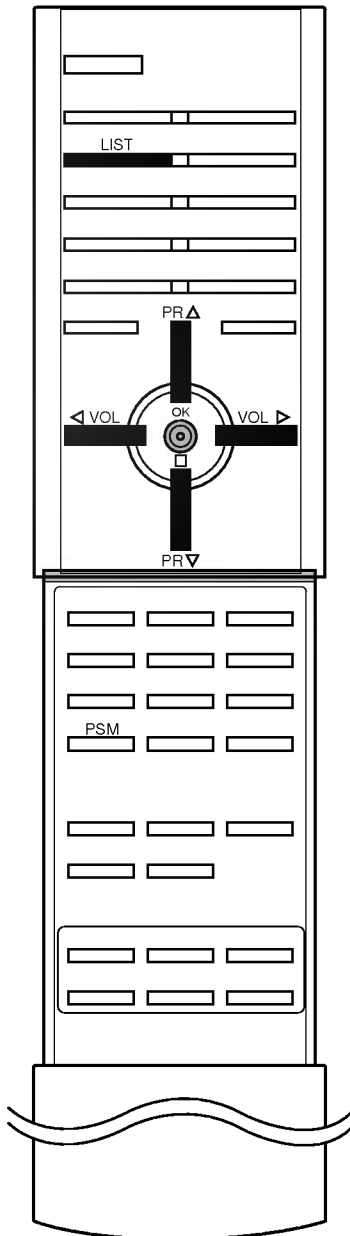
SETUP Menu

Calling the program table

You can check the programmes stored in the memory by displaying the program table.

Displaying program table

Press the **LIST** button to display the Program table menu. The program table appears on the screen.



Note :

- You may find some blue highlighted programmes shown. They have been set up in the program edit mode.
- Some programmes with the channel number shown in the program table indicate there is no station name assigned.

Selecting a program in the program table

Select a program with the ▲ / ▼ or ◀ / ▶ button. The set switches to the chosen program number.

Paging through a program table

There are 3 program table pages in which contain 100 programmes.

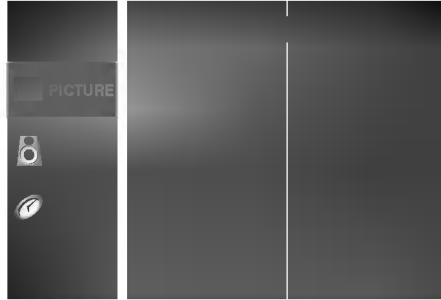
Pressing the ▲ / ▼ or ◀ / ▶ button repeatedly turns the pages.

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

PICTURE Menu

PSM (Picture Status Memory)

1. Press the **MENU** button and then **▲ / ▼** button to select the **PICTURE** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **PSM**.
3. Press the **▶** button and then **▲ / ▼** button to select a picture setting on the **PSM** pull-down menu.

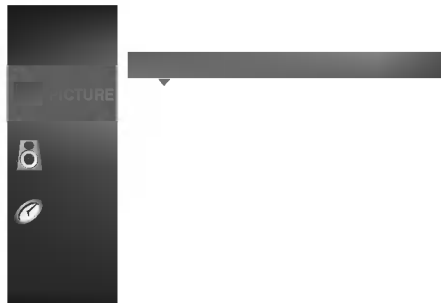


4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Picture adjustment

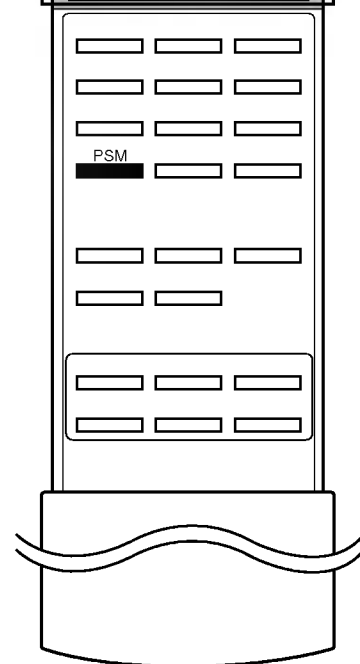
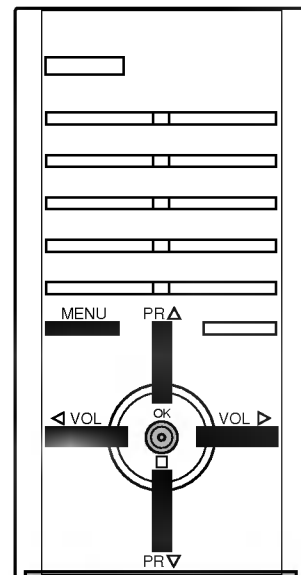
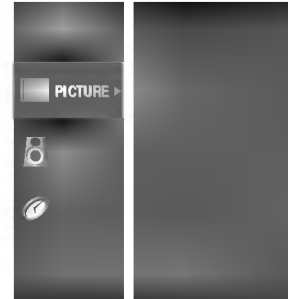
You can adjust picture contrast, brightness, color intensity, sharpness and tint (NTSC input only) to the levels you prefer.

1. Press the **MENU** button and then **▲ / ▼** button to select the **PICTURE** menu.
2. Press the **▶** button and then **▲ / ▼** button to select the desired picture item.
3. Press the **▶** button and then **◀ / ▶** button to make appropriate adjustments, then it will be stored for the picture User.



4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

To recall your preferred setting, press the **PSM** button until the desired picture (**Dynamic**, **Standard**, **Mild**, **Game** or **User**) appears. The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for good picture reproduction at the factory and cannot be changed.



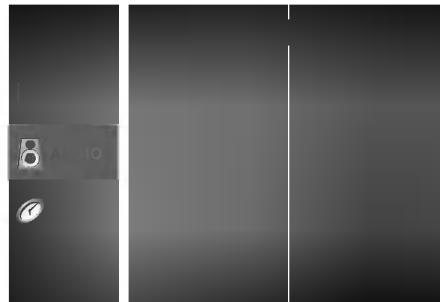
AUDIO MENU

SSM (Sound Status Memory)



You can select your preferred sound setting; Dolby Virtual, Standard, Music, Speech, or Movie and you can also adjust the sound frequency of equalizer, balance. If you switch AVL to on, the set automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button and then ▲ / ▼ button to select the AUDIO menu.
2. Press the ► button and then ▲ / ▼ button to select **SSM**.
3. Press the ► button and then ▲ / ▼ button to select a sound setting on the **SSM** pull-down menu.



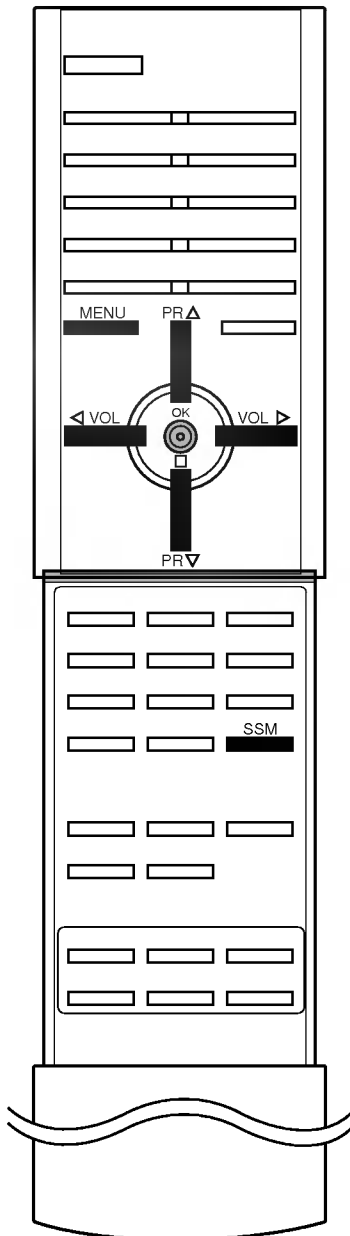
4. Press the **OK** or ◀ button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Dolby Virtual

Dolby Virtual lets you experience panoramic effects of sound.

To recall your preferred setting, press the **SSM** button until the desired sound (**Dolby Virtual**, **Standard**, **Music**, **Speech**, **Movie** or **User**) appears. The sound **Dolby Virtual**, **Standard**, **Music**, **Speech** and **Movie** are programmed for good sound reproduction at the factory and cannot be changed.

Note : If you press the **SSM** button after making appropriate adjustment on the **Equalizer** sub menu, the display **User** automatically appears even though you have already set a factory preset setting; **Dolby Virtual**, **Standard**, **Music**, **Speech** or **Movie**.

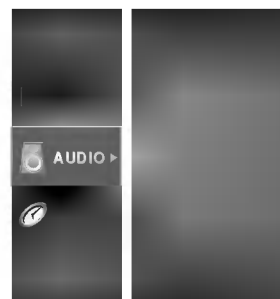


AUDIO MENU

Balance adjustment

You can adjust balance.

1. Press the **MENU** button and then **▲ / ▼** button to select the **AUDIO** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Balance**.
3. Make desired adjustment with the **◀ / ▶** button on the Balance pull-down menu.

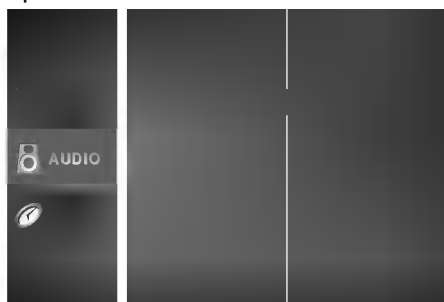


4. Press the **OK** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

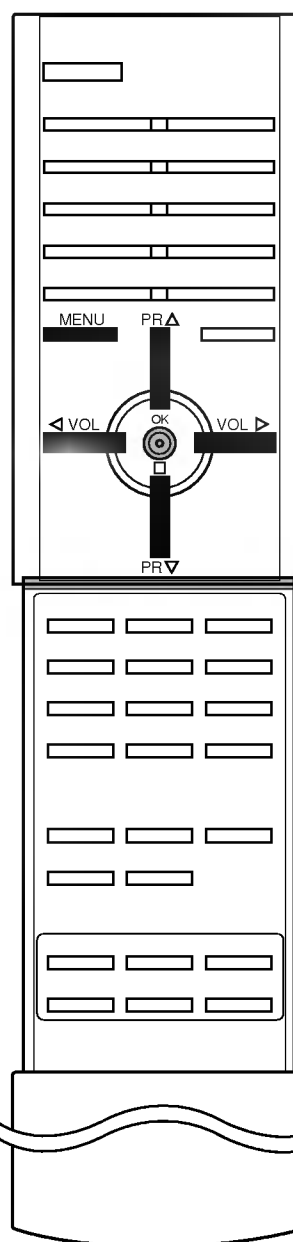
AVL (Auto Volume Leveler)

If you select **AVL On**, the set automatically keeps on an equal volume level even if you change programmes.

1. Press the **MENU** button and then **▲ / ▼** button to select the **AUDIO** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **AVL**.
3. Press the **▶** button and then **▲ / ▼** button to select **On** or **Off** on the **AVL** pull-down menu.



4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

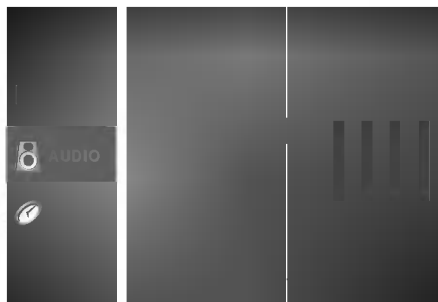


AUDIO MENU

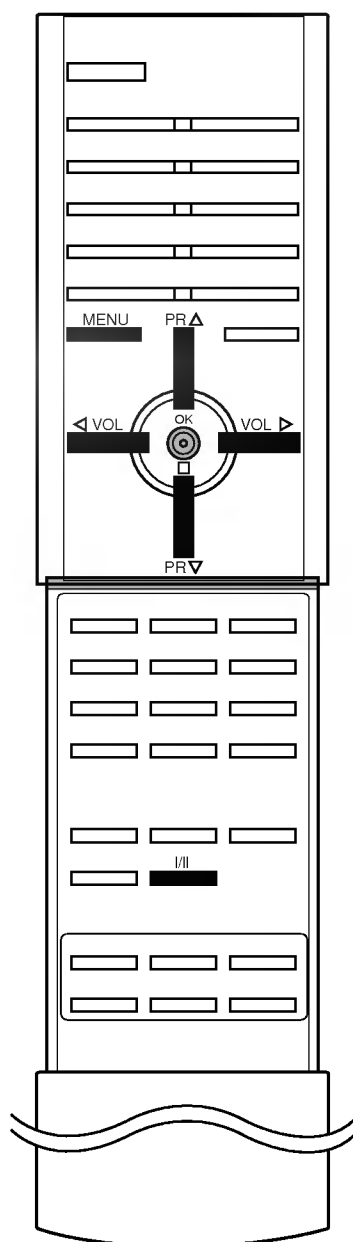
Equalizer (option)



1. Press the **MENU** button and then **▲ / ▼** button to select the **AUDIO** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Equalizer**.
3. Press the **▶** button in **Equalizer** to display the **Equalizer** sub menu.



4. Select a sound band by pressing the **◀ / ▶** button.
5. Make appropriate sound level with the **▲ / ▼** button.
6. Press the **OK** button.
7. Repeatedly press the **MENU** button to return to normal TV viewing.



Sound output selection

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

Repeatedly press the **I/II** button to select the sound output.

- L+R** : Audio signal from audio L input is sent to the left loud speaker and audio signal from audio R input is sent to the right loud speaker.
- L+L** : Audio signal from audio L input is sent to left and right loudspeakers.
- R+R** : Audio signal from audio R input is sent to left and right loudspeakers.

AUDIO MENU

Stereo/Dual reception

When a program is selected, the sound information for the station appears after the program number and station name disappear.

Broadcast	On Screen Display
Mono	MONO
Stereo	STEREO
Dual	DUAL I

Mono sound selection

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

Language selection for dual language broadcast

If a program received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I+II** by pressing the **I/II** button repeatedly.

DUAL I sends the primary broadcast language to the loudspeakers.

DUAL II sends the secondary broadcast language to the loudspeakers.

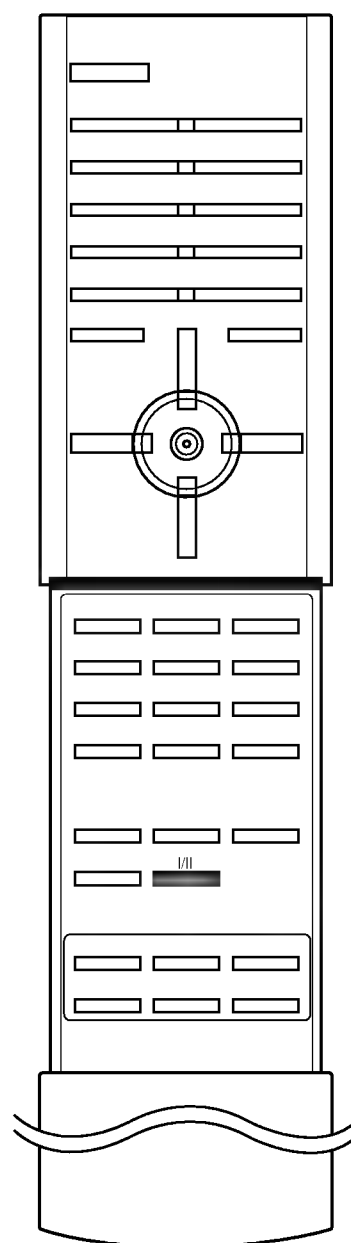
DUAL I+II sends a separate language to each loudspeaker.

NICAM reception

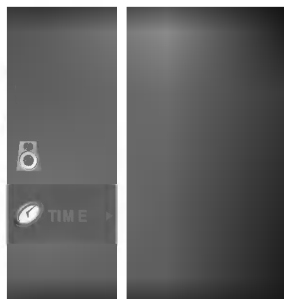
If your set is equipped with the receiver for NICAM reception, the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.

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

1. When NICAM mono is received, you can select **NICAM MONO** or FM MONO.
2. When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.
3. When NICAM dual is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I+II** or **MONO**.



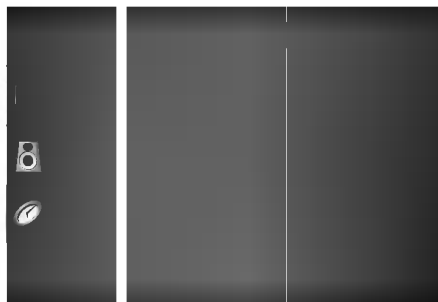
TIME MENU



Auto Sleep

If there is no input signal, the set will turn off automatically after 10 minutes.

1. Press the **MENU** button and then **▲ / ▼** button to select the Time menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Auto sleep**.
3. Press the **▶** button and then **▲ / ▼** button to select **On** or **Off**.

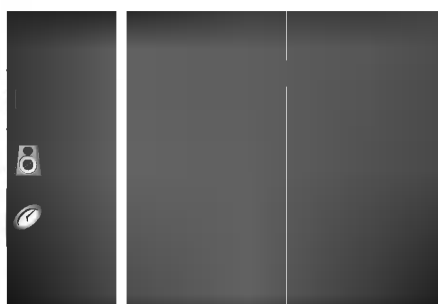


4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Sleep timer

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

1. Press the **MENU** button and then **▲ / ▼** button to select the Time menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Sleep timer**.
3. Press the **▶** button and then **▲ / ▼** button to select a timer setting on the **Sleep timer** pull-down menu.
4. Press the **OK** or **◀** button.

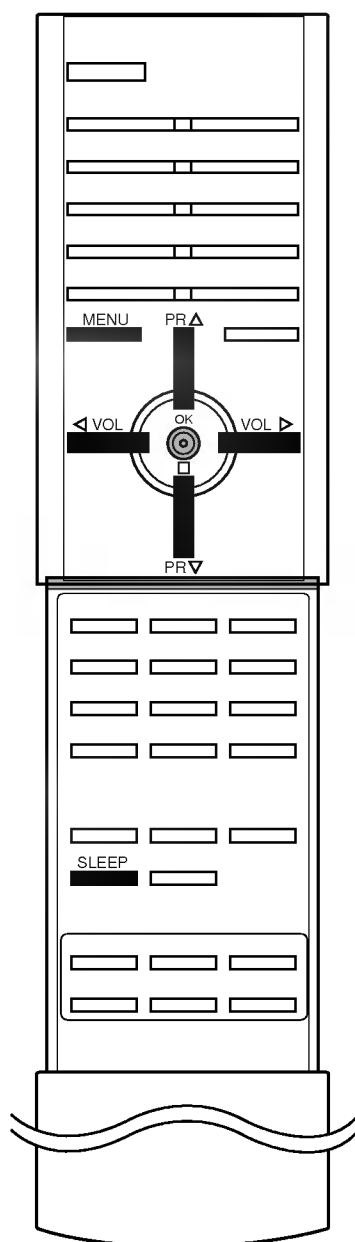


5. Repeatedly press the **MENU** button to return to normal TV viewing.

Press the **SLEEP** button to select the number of minutes. The display 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 **Off** appears.
- c. When you switch the set off, the set releases the preset sleep time.



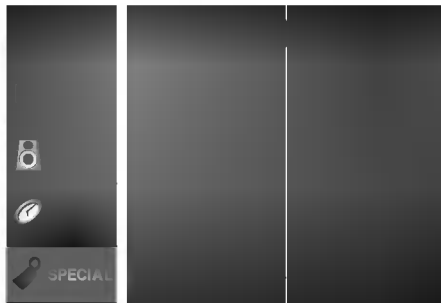
SPECIAL MENU

Main Picture Source Selection

Inputs can be set for TV or AV mode. AV mode is used when a video cassette recorder (VCR), or other equipment is connected to the set.

Note : When a VCR is connected via the aerial socket the set is used in TV mode. See the 'Connection of external equipment' section.

1. Press the **MENU** button and then **▲ / ▼** button to select the **SPECIAL** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Main Input**.
3. Press the **▶** button and then **▲ / ▼** button to select **TV, AV1, AV2, AV3, Component 1** or **Component 2**.

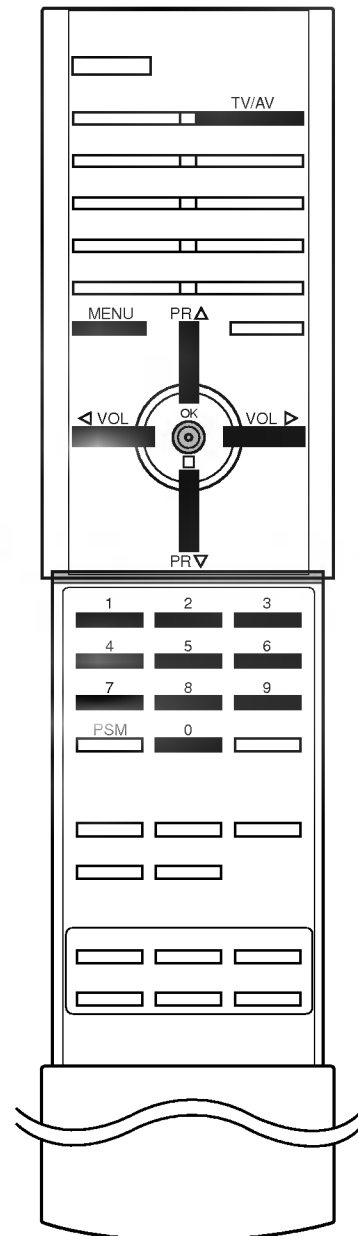


AV1 : VCR connected to the **AV1 INPUT** sockets of the set
 AV2 : VCR connected to the **AV2 INPUT** sockets of the set
 AV3 : VCR connected to the **AV3** sockets of the set
 Component1/2 : DVD or SET-TOP Box connected to the **DVD/DTV INPUT** sockets on the set

4. Press the **OK** or **◀** button.
5. Repeatedly press the **MENU** button to return to normal TV viewing.

Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.

In AV mode, to return to TV mode, press the **▲ / ▼** or **NUMBER** buttons.

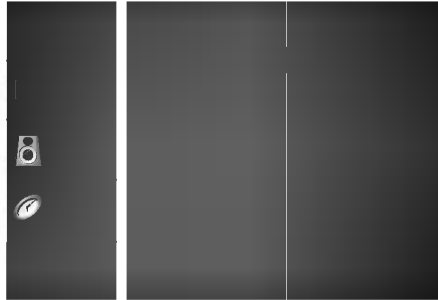


SPECIAL MENU

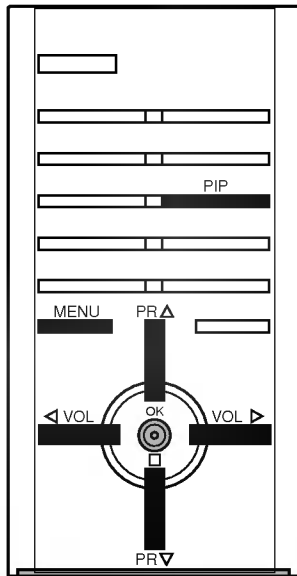
PIP Picture Source Selection



1. Press the **PIP** button.
2. Press the **MENU** button and then **▲ / ▼** button to select the **SPECIAL** menu.
3. Press the **▶** button and then **▲ / ▼** button to select **PIP Input**.
4. Press the **▶** button and then **▲ / ▼** button to select **TV**, **AV1**, **AV2** or **AV3**.



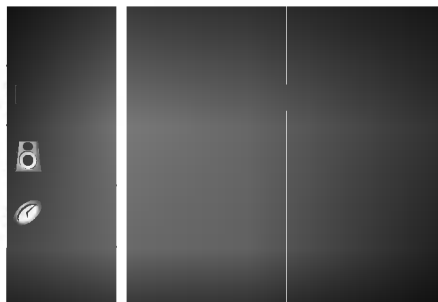
5. Press the **OK** or **◀** button.
6. Repeatedly press the **MENU** button to return to normal TV viewing.



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.

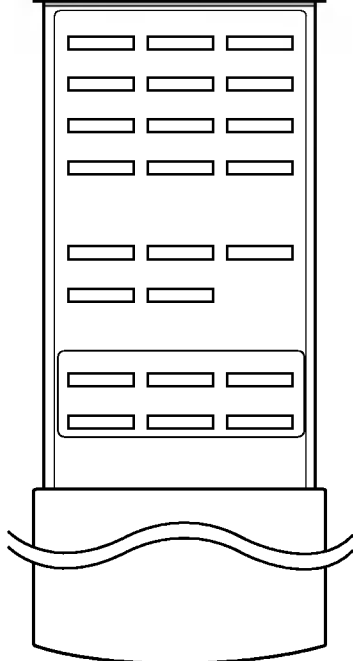
1. Press the **MENU** button and then **▲ / ▼** button to select the **SPECIAL** menu.
2. Press the **▶** button and then **▲ / ▼** button to select **Child Lock**.
3. Press the **▶** button and then **▲ / ▼** button to select **On** or **Off**.



4. 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 front panel is pressed while viewing the TV.

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



SPECIAL MENU

Picture format

You can watch TV in various picture formats; 16:9 (Wide), 14:9, Zoom, 4:3 and Auto.

You can repeatedly press the **ARC** button to select your desired picture format.

16:9

Following selection will lead you to adjust the picture horizontally, in a linear proportion, to fill the entire screen (useful for viewing 4:3 formatted DVDs).

14:9

You can enjoy the picture format of 14:9 or general TV program through the 14:9 mode. The screen 14:9 is viewed just like that the screen 4:3 is magnified to the upper / lower and left / right.

You can move the screen up or down with ▲ / ▼ button.

Zoom

Following selection will lead you to view the picture without any alternation, while filling the entire screen. However, the top and bottom portions of the picture will be cropped. You can move the screen up or down with ▲ / ▼ button.

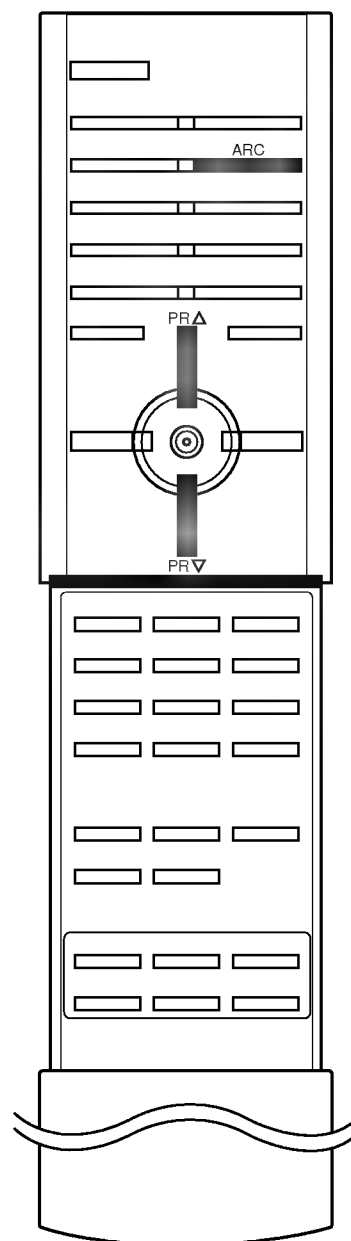
4:3

Following selection will lead you to view a picture with an original 4:3 aspect ratio, with black bars appearing at both the left and right sides.

Auto

When your TV receives the wide screen signal, it will be automatically changed to the picture format to be sent.

Note : You are available to 4:3 and 16:9 in Component (720p/1080i) mode.



Picture In Picture (PIP) Function

Option :

PIP (Picture in Picture) displays a picture within a picture.

On and off

Press the **PIP** button to switch on the sub picture.

Press **CANCEL/EXIT** button to switch it off.

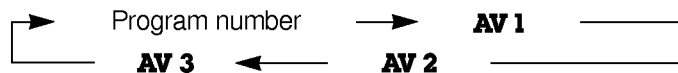
Each press of **PIP** button changes the screen display as shown below.



Input mode selection for sub picture

Press the **INPUT** button to select the input mode for the sub picture.

Each time this button is pressed, each input mode for the sub picture is displayed as shown below.



Swapping between main and sub pictures

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

Program selection for sub picture

The sub picture program selection is available when the sub picture is TV mode. Press the **PR +/-** buttons to select a program for the sub picture.

Sub picture size

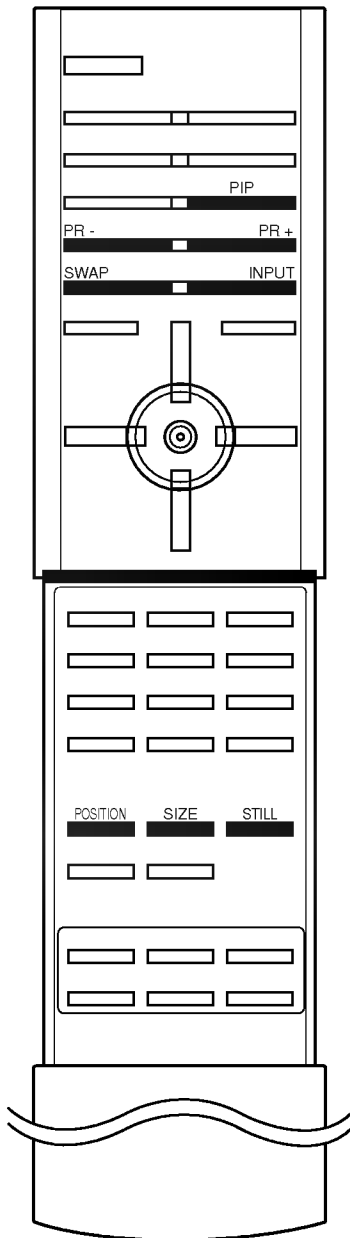
Repeatedly press the **SIZE** button to select the desired sub picture size. The sub picture appears as 1/9 size of the main picture, followed by 1/16.

Sub picture freeze

Press the **STILL** button to freeze motion of the sub picture. Press this button again to restore motion.

Sub picture position change

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



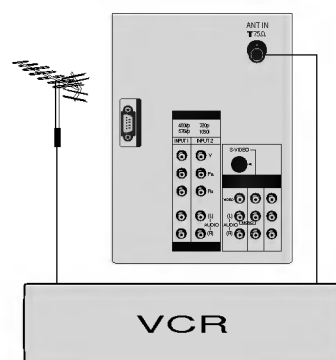
Connection of external equipment

You can connect additional equipment, such as VCRs, camcorders etc. to your set.

Here shown may be somewhat different from your set.

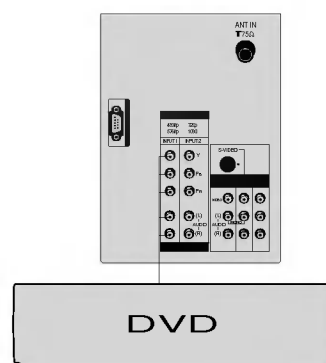
Aerial socket

1. Connect the RF out socket of the VCR to the aerial socket on the back of the set.
2. Connect the aerial cable to the RF aerial in socket of the VCR.
3. Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.
4. Select the programme number where the VCR channel is stored.
5. Press the **PLAY** button on the VCR.



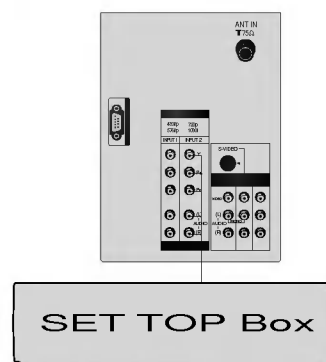
DVD input sockets

1. Connect the DVD output sockets (Y Cb Cr, Y Pb Pr, Y B-Y R-Y or Y P_B P_R) of the DVD to the **DVD/DTV INPUT** sockets (Y P_B P_R) of the set.
2. Connect the audio cable from the DVD to **DVD/DTV INPUT AUDIO** sockets of the set.
3. Press the **TV/AV** or **COMPONENT** button to select **Component 1** or **Component 2**.
4. Press the **PLAY** button on the DVD.
The DVD playback picture appears on the screen.



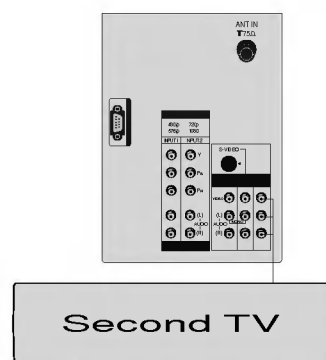
DTV input sockets

1. Connect the SET TOP inputs to the **DVD/DTV INPUT** sockets (Y P_B P_R) of the set.
2. Connect the audio cable from the SET TOP to the **DVD/DTV INPUT AUDIO** sockets of the set.
3. Press the **TV/AV** or **COMPONENT** button to select **Component 1** or **Component 2**.



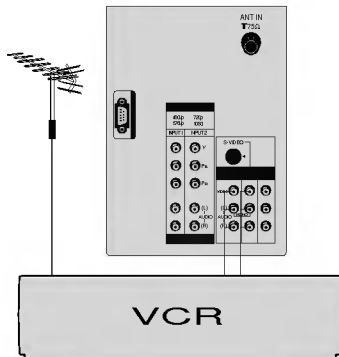
Monitor output sockets

Connect the audio/video in sockets of the other TV or monitor to **MONITOR OUTPUT** sockets of the set.



Connection of external equipment

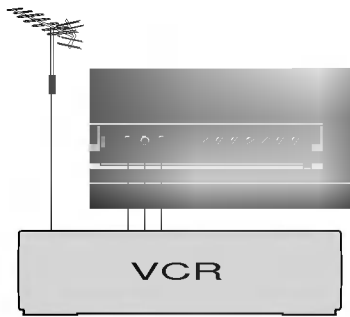
Audio/Video input sockets



1. Connect the audio/video out sockets of the VCR to audio/video in sockets of the set.
2. Press the **TV/AV** button to select **AV1**, **AV2** or **AV3**.
3. Press the **PLAY** button on the VCR.
The VCR playback picture appears on the screen.

Note : If you have a mono VCR, connect the audio cable from the VCR to the **AUDIO L/MONO** socket of the set.

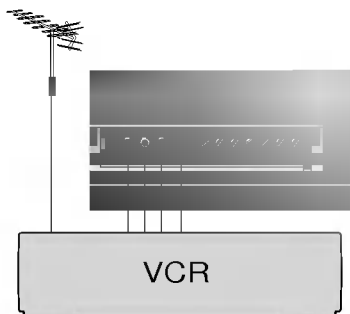
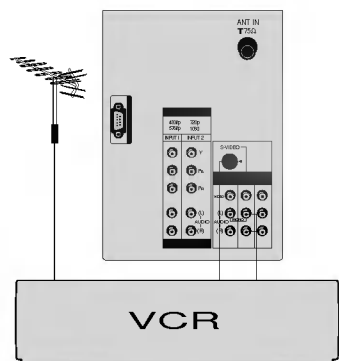
S-Video / Audio input sockets (option)



When connecting an VCR to the S-VIDEO socket, the picture quality will be further improved.

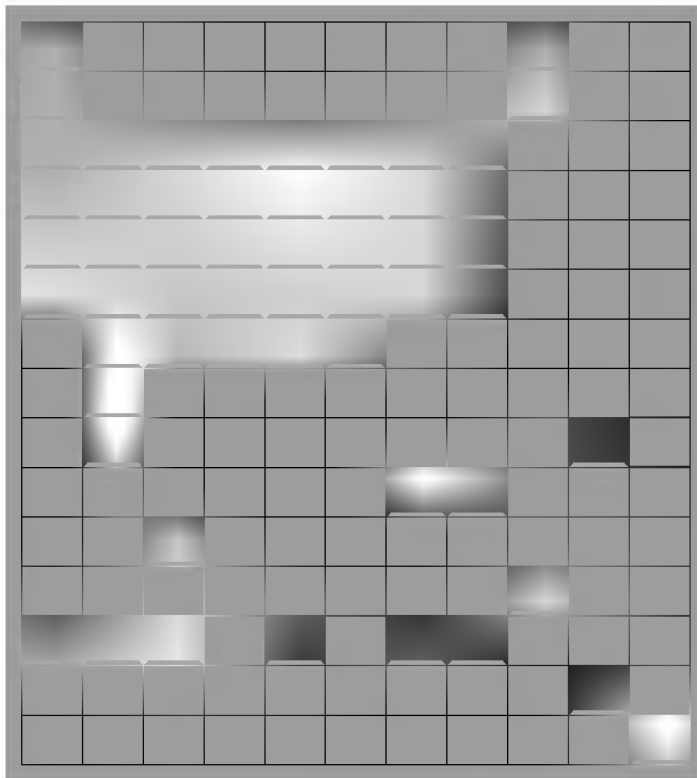
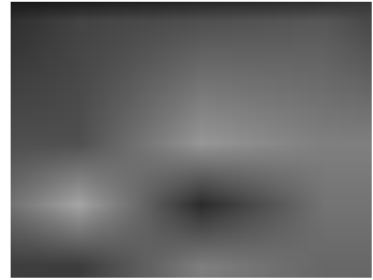
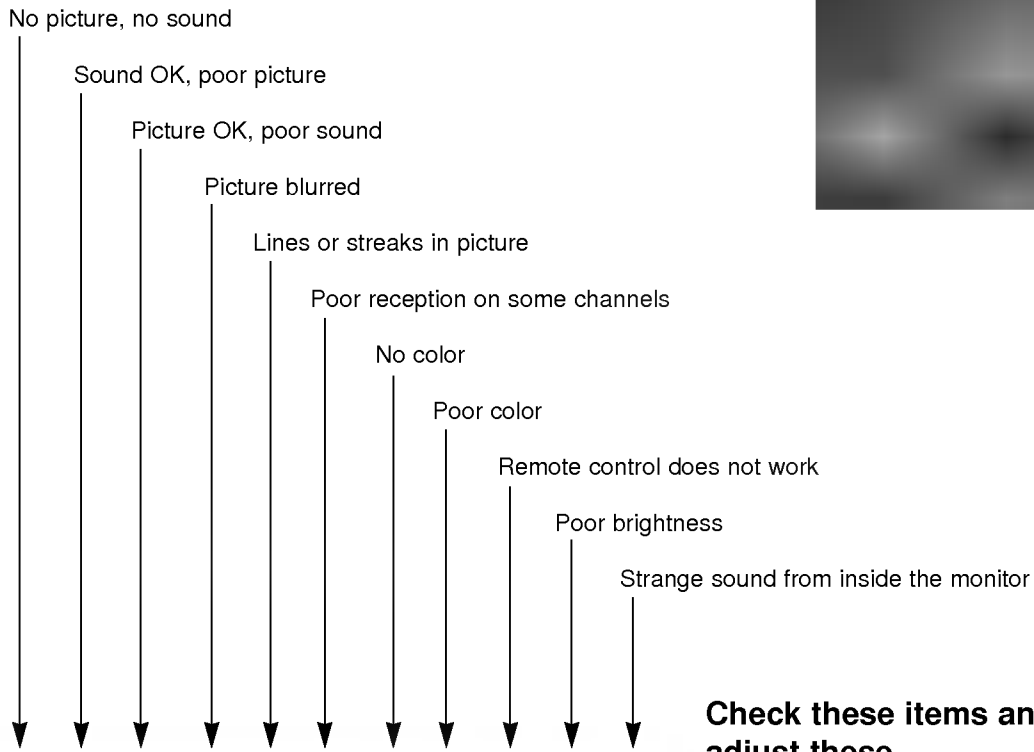
1. Connect the S-video socket of the VCR to the **S-VIDEO** socket of the set.
2. Connect the audio cable from the VCR to the AUDIO sockets of the **AV2 INPUT** or **AV3**.
3. Select **AV2** or **AV3** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
The VCR playback picture appears on the screen.

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



Troubleshooting check list

Symptoms



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 color
- Adjust volume
- Check the batteries in remote control
- Check Audio/Video sockets (VCR only)
- Contact LG service provider(s)

A change in ambient humidity or temperature may result in an unusual noise at the time of switching off or on of the monitor and does not indicate a fault with the monitor

