

Colour Television

Owner's Manual



LN-40IEB3/LN-46IEB3

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.

create >> excite >> inspire
www.yuraku.com.sg

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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 power-cuts, please pull out the aerial and mains plugs.

Warning

To prevent fire or shock hazard, do not expose the set to rain or moisture. Do not rub or strike the Active Matrix LCD with anything hard as this may scratch, mar, or damage the Active Matrix LCD permanently.

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 $75\ \Omega$ 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.

Cleaning

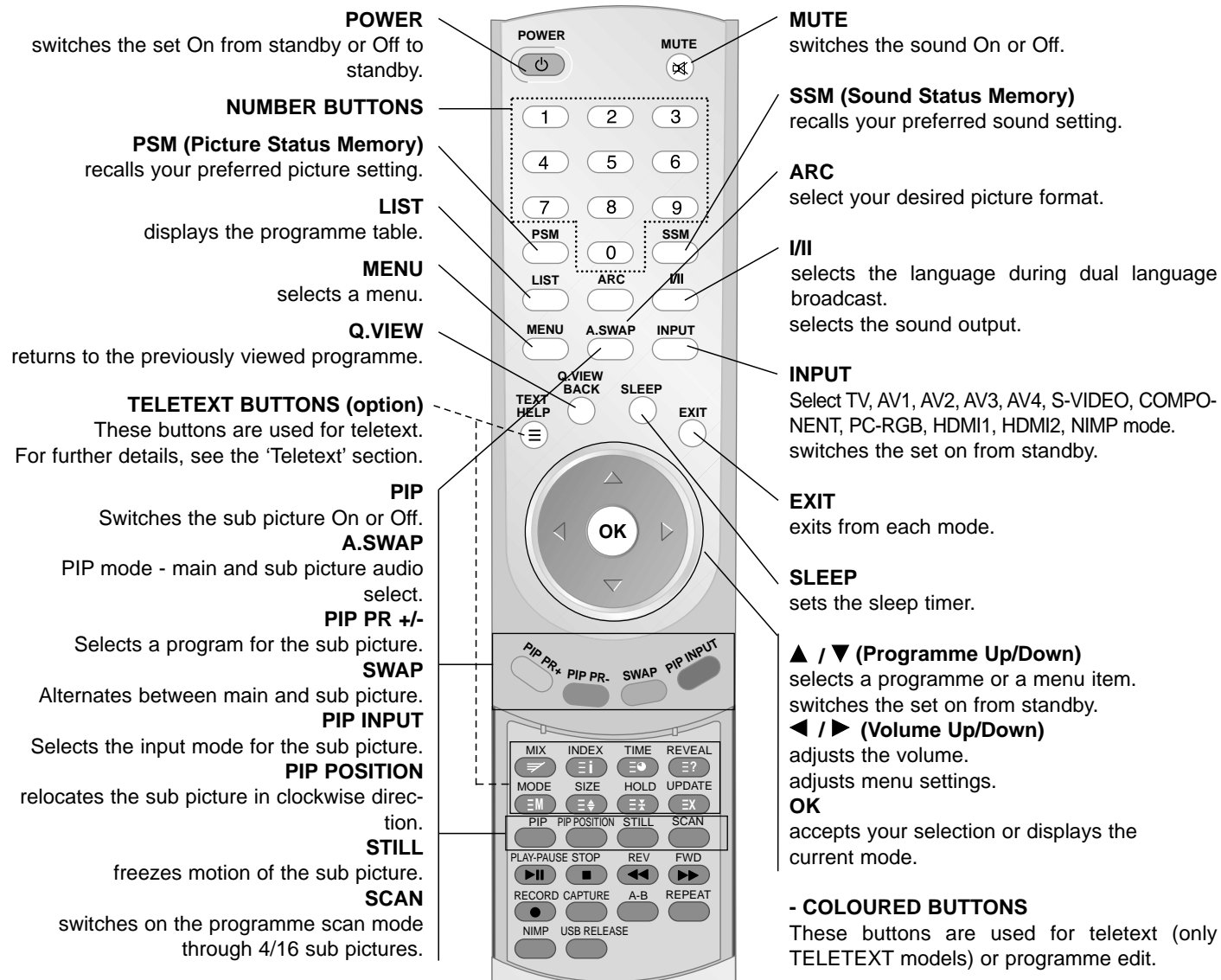
Unplug the set before cleaning the face of the LCD Screen. Dust the set by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.



To preserve the Environment,
do not rubbish.

Remote control handset Controls

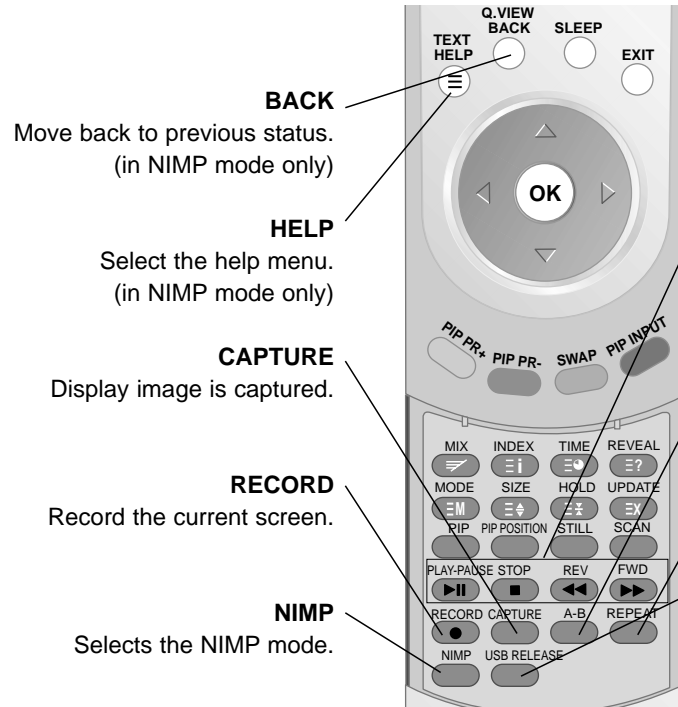
- All the functions can be controlled with the remote control handset.
- Some functions can also be adjusted with the buttons on the front panel of the set.



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

Remote control handset

Controls / Battery installation



VCR Button

These buttons are used for NIMP mode.
For further details, see the 'NIMP mode' section.
(in NIMP mode only)

A-B

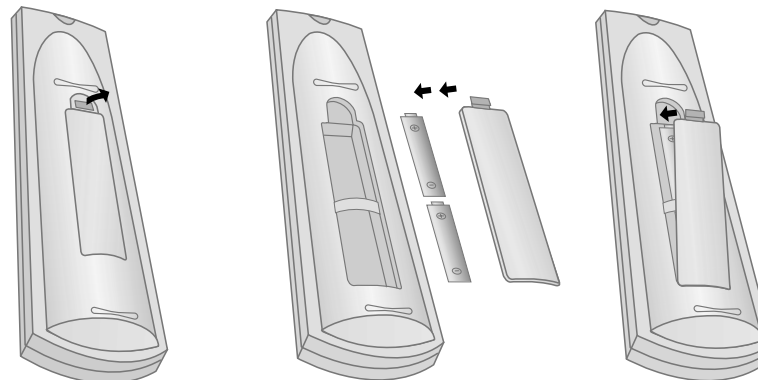
Decide whether to repeat interval playback.
(in NIMP mode only)

REPEAT

Decide whether to repeat playback.
(in NIMP mode only)

USB RELEASE

The USB storage device to release.

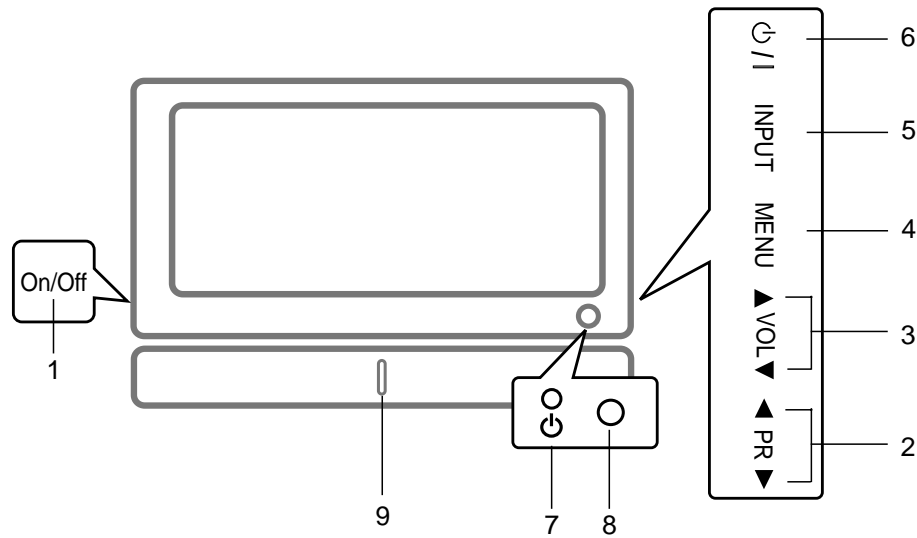


- Your remote control handset is powered by two AAA type batteries.
- a To insert batteries, turn the remote control handset over and remove the battery cover.
- b Put the two batteries into the compartment observing battery polarity.
- c Replace the cover.

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.

Controls of Front panel

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



1. MAIN POWER

switches the set On or Off.

2. ▲ / ▼ (Programme Up/Down)

selects a programme or a menu item.
switches the set On from standby.

3. ◀ / ▶ (Volume Down/Up)

adjusts the volume.
adjusts menu settings.

4. MENU

selects a menu.

5. INPUT

selects **TV**, **AV1**, **AV2**, **AV3**, **AV4**, **S-VIDEO**, **COMPONENT**, **PC-RGB**, **HDMI1**, **HDMI2**, **NIMP** mode.

6. POWER (φ)

switches the set On from standby or On to standby.

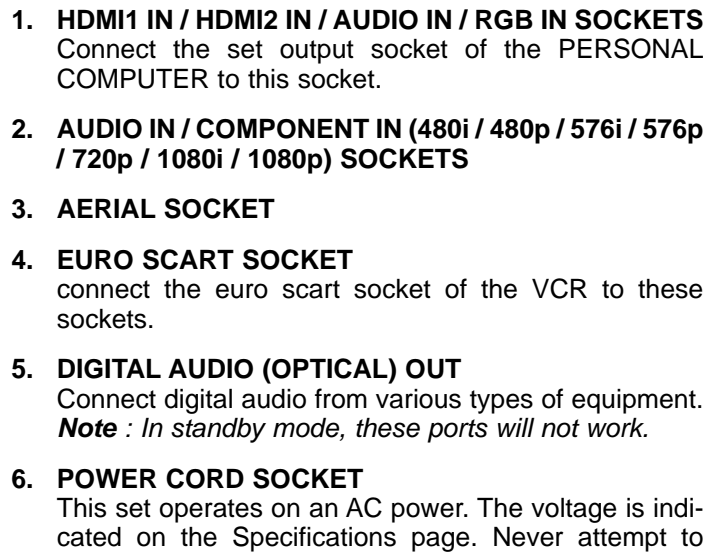
7. POWER/STANDBY INDICATOR (φ)

illuminates red in standby mode.
illuminates green when the set is switched On.

8. REMOTE CONTROL SENSOR

9. Front Light LED

8



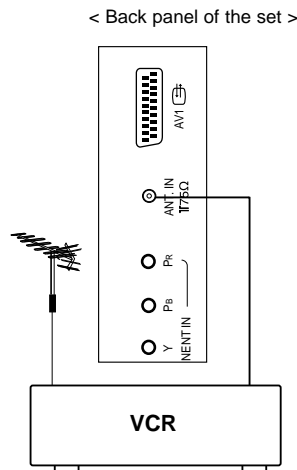
7. **AUDIO/VIDEO SOCKET**
Connect the audio/video out sockets of the VCR to **AV** sockets of the set.
8. **S-VIDEO INPUT**
connect video out from an S-VIDEO VCR to the S-VIDEO input.
9. **MIC**
Microphone socket.
10. **USB**
USB Host socket.
11. **SLOT2**
SD/MMC/MS card socket.
12. **SLOT1**
CF TYPE I/II card socket.

Connection to External equipment

- You can connect additional equipment, such as VCRs, camcorders etc. to your set. However please check with your manufacturers instruction books for specific information. Make sure all connections are made with both your set and additional appliance unplugged from the mains to avoid damaging your equipment. Here shown may be somewhat different from your set.

1

Connect to Aerial socket



Connect the RF out socket of the VCR to the aerial socket on the back of the set.

Connect the aerial cable to the RF aerial in socket of the VCR.

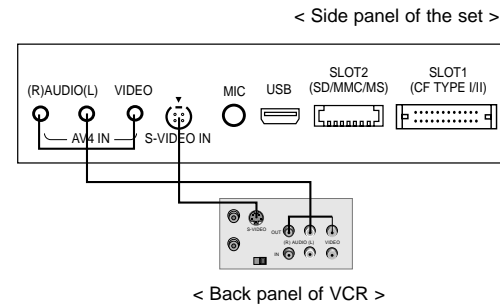
Store the VCR channel on a desired programme number using the 'Manual programme tuning' section.

Select the programme number where the VCR channel is stored.

Press the **PLAY** button on the VCR.

2

Watching VCR



- If you connect an S-VIDEO VCR to the S-VIDEO input, the picture quality is improved; compared to connecting a regular VCR to the Video input.

- To avoid picture noise (interference), leave an adequate distance between the VCR and set.

Use the **INPUT** button on the remote control to select **AV1**, **AV2**, **AV3**, **AV4** or **S-VIDEO**.

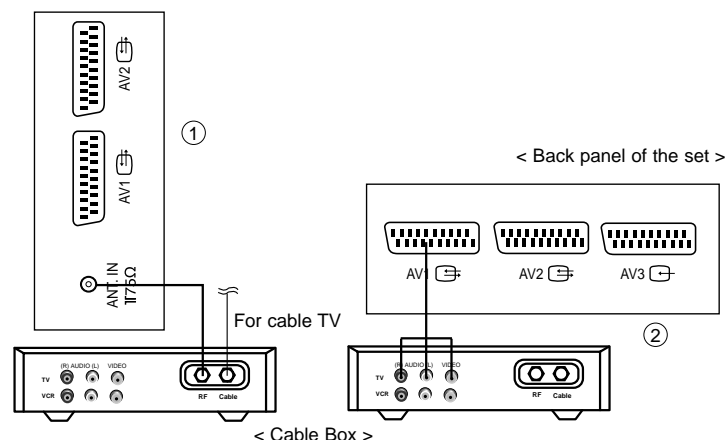
(If connected to S-VIDEO, select the **S-VIDEO** external input source.)

Insert a video tape into the VCR and press the **PLAY** button on the VCR. (See VCR owner's manual)

Connection to External equipment

3

Watching Cable TV



- After subscribing for a local cable TV station and installing a converter you can watch cable TV.
- For further information of cable TV, contact the local cable TV station.

In using connection 1

Select programme number in programme switch of cable box.

Match the set programme with selected programme of cable box.

Select your desired programme with the remote control for cable box.

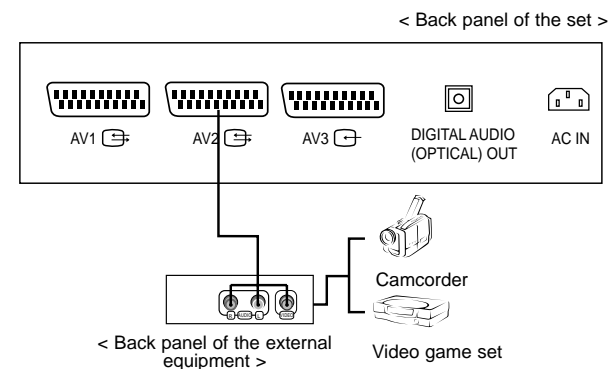
In using connection 2

Use the **INPUT** button on the remote control and select **AV1, AV2, AV3, AV4** or **S-VIDEO**.

Tune to cable service provided channels using the cable box.

4

Watching external AV source



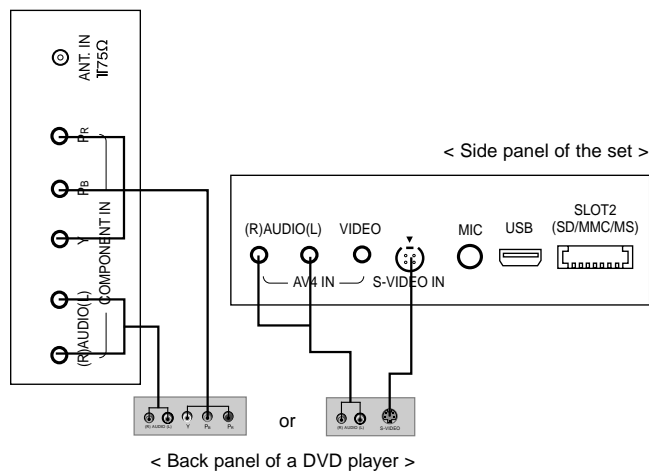
When connecting the set to an external source, match the colours of AUDIO/VIDEO input jacks on the set with the output jacks on the audio/video equipment: Video = yellow, Audio (Left) = white, Audio (Right) = red.

Use the **INPUT** button on the remote control to select **AV1, AV2, AV3, AV4** or **S-VIDEO**.

Operate the corresponding external equipment. See external equipment operating guide.

Connection to External equipment

5 Watching DVD



How to connect

Connect DVD video inputs to Y, PB, PR of COMPONENT (DVD INPUT) and audio inputs to Audio sockets of AUDIO INPUT.

How to use

Turn on the DVD player, and insert a DVD.

Use **INPUT** button on the remote control to select **COMPONENT**. Refer to the DVD player's manual for operating instructions.

• COMPONENT Input ports

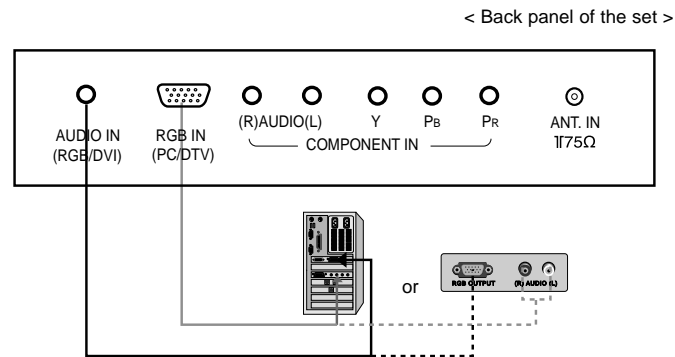
You can get better picture quality if you connect DVD player with COMPONENT input ports as below.

COMPONENT ports of the set	Y	P _B	P _R
Video output ports of DVD player	Y	P _b	P _r
	Y	B-Y	R-Y
	Y	C _b	C _r
	Y	P _B	P _R

Connection to External equipment

7

Connecting PC (DTV)



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

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

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

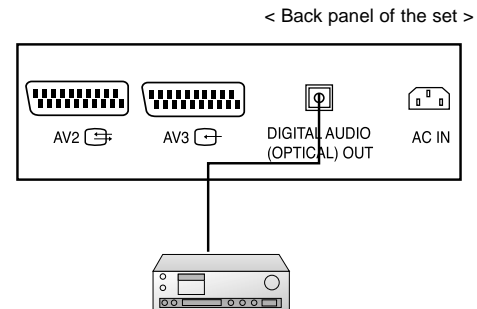
Switch on the PC, and the PC screen appears on the set.

The set can be operated as the PC monitor.

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

8

Connecting 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.

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**, ▲ / ▼ buttons 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.

2

Programme selection

You can select a programme 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

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

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

2

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

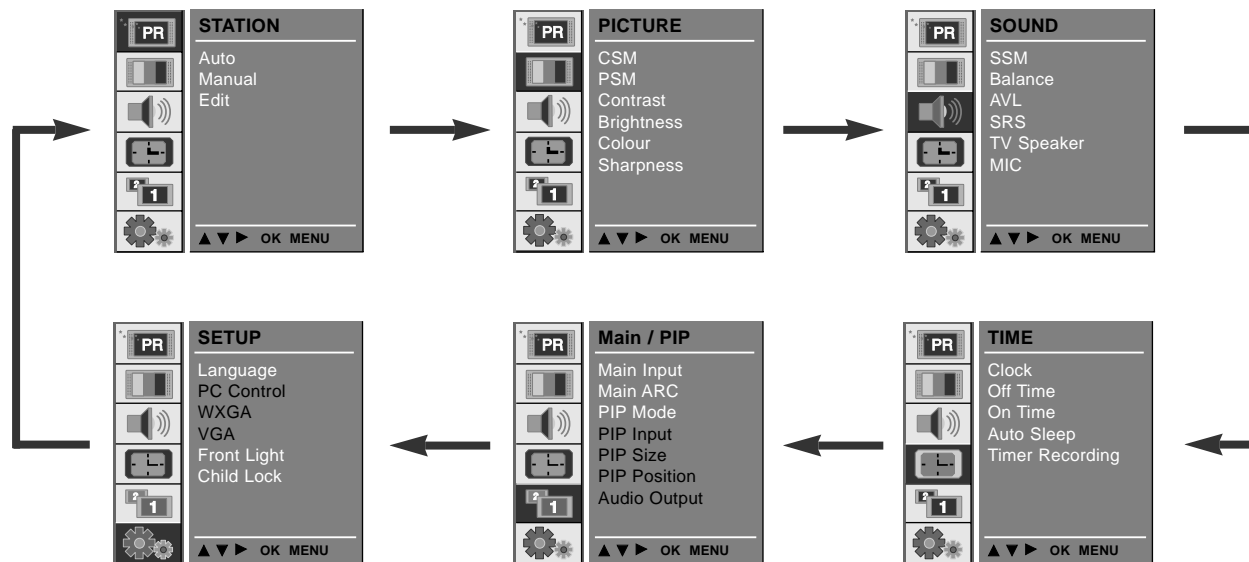
3

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

4

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.



Setting up TV stations

Auto programme tuning

- Up to 100 TV stations can be stored by programme 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.
- All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.

1

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

2

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

Press the ► button to display the **Auto** menu.

Press the ► button. Select a TV system with the ◀ / ▶ button on the **System** pull-down menu;

- L** : SECAM L/L' (France)
- BG** : PAL B/G, SECAM B/G (Europe/East Europe)
- I** : PAL I (U.K./Ireland)
- DK** : PAL D/K, SECAM D/K (East Europe)

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

Select the beginning programme number with the ◀ / ▶ button on the **Storage From** pull-down menu.

3

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

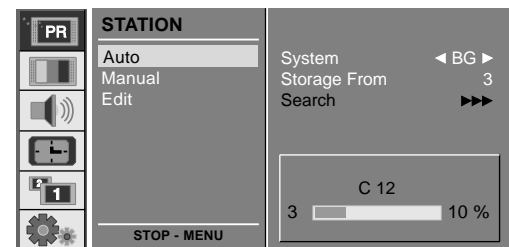
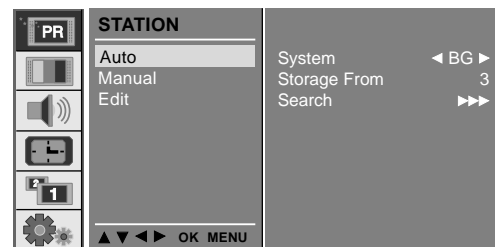
Press the ► button to begin auto programming. All receivable stations are stored.

The station name is stored for stations which broadcast VPS (Video Programme Service), PDC (Programme Delivery Control) or TELE-TEXT data. If no station name can be assigned to a station, the channel number is assigned and stored as **C** (V/UHF 01-69) or **S** (Cable 01-47), followed by a number.

To stop auto programming, press the **MENU** button.

When auto programming is completed, the **Edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.

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



Setting up TV stations

Manual programme tuning

- Manual programme 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 programme number.

1

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

2

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

Press the **▶** button to display the **Manual** menu.

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

Press the **◀ / ▶** button to select the programme number.

3

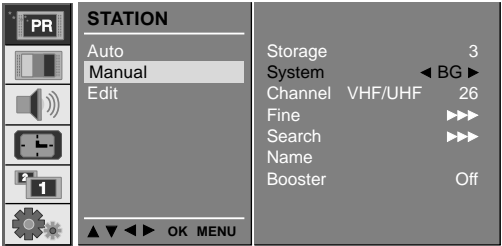
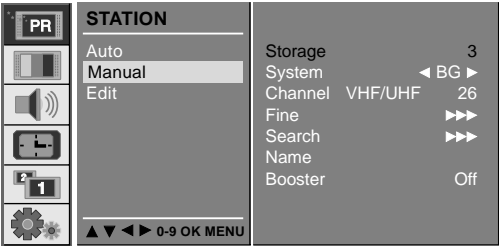
Press the **▲ / ▼** button to select **System**.

Select a TV system with the **◀ / ▶** button on the **System** pull-down menu;

- L** : SECAM L/L' (France)
- BG** : PAL B/G, SECAM B/G (Europe/East Europe)
- I** : PAL I (U.K./Ireland)
- DK** : PAL D/K, SECAM D/K (East Europe)

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

Press the **◀ / ▶** button to select **V/UHF** or **CABLE** on the **Channel** pull-down menu.



Setting up TV stations

Manual programme tuning

4

Normally fine tuning is only necessary if reception is poor.

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

Press the ◀ / ▶ button to fine tune for the best picture and sound.

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

Press the ◀ / ▶ button to commence searching on the **Search** pull-down menu. If a station is found the search will stop.

If this station is the one required, press the **OK** button to store it.

5

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

Press the ▶ button on the **Name** pull-down menu.

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.

Select the position by pressing the ◀ / ▶ button and then take your choice of the second character, and so on.

Press the **OK** button.

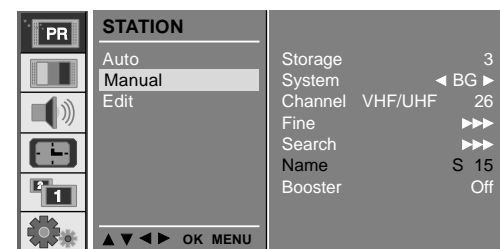
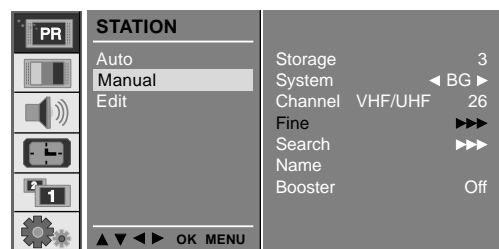
In some models, **Booster** is an optional function. Only a set with **Booster** can perform this function.

If the reception is poor at the fringe area of TV signal, select **Booster** to **On**.

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

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

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



Setting up TV stations

Programme edit

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

1

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

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

Press the **►** button to display the **Edit** menu.

2

Deleting a programme

Select a programme to be deleted with the **▲ / ▼** or **◀ / ▶** button.

Press the **RED** button twice.
The selected programme is deleted, all the following programmes are shifted up one position.

3

Copying a programme

Select a programme to be copied with the **▲ / ▼** or **◀ / ▶** button.

Press the **GREEN** button.
All the following programmes are shifted down one position.

4

Moving a programme

Select a programme to be moved with the **▲ / ▼** or **◀ / ▶** button.

Press the **YELLOW** button.

Move the programme to the desired programme number with the **▲ / ▼** or **◀ / ▶** button.

Press the **YELLOW** button again to release this function.



0	C	04	5	----
1	S	03	6	----
2	S	04	7	----
3	C	06	8	----
4	C	33	9	----

☒ Delete ☐ Copy
☐ Move ☐ Skip

Setting up TV stations

Programme edit

Calling the programme table

20

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

5

Skipping a programme number

Select a programme number to be skipped with the **▲ / ▼** or **◀ / ▶** button.

Press the **BLUE** button. The skipped programme turns to blue.

Press the **BLUE** button again to release the skipped programme.

When a programme 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 programme, directly enter the programme number with the **NUMBER** buttons or select it in the programme edit or table menu.

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

1

Displaying programme table

Press the **LIST** button to display the **Programme table** menu.

The programme table appears on the screen. One programme table contains ten programmes as below.

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

2

Selecting a programme in the programme table

Select a programme with the **▲ / ▼** or **◀ / ▶** button. Then press the **OK** button. The set switches to the chosen programme number.

3

Paging through a programme table

There are 10 programme table pages which contain 100 programmes. Pressing the **▲ / ▼** or **◀ / ▶** button repeatedly turns the pages.

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

Picture adjustment

1

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.

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

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

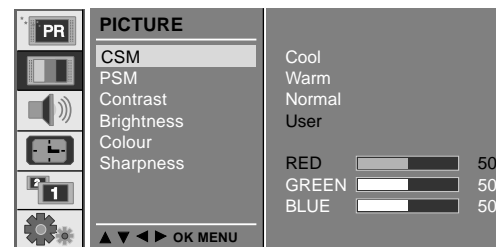
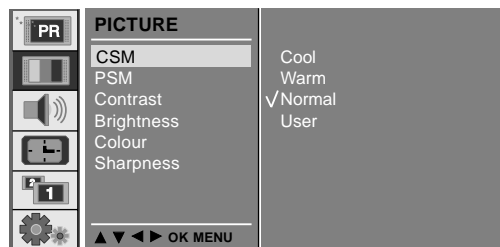
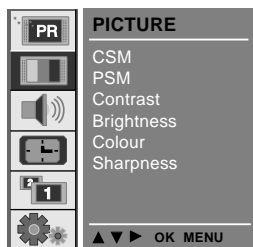
Press the **MENU** button and then use ▲ / ▼ button to select the PICTURE menu.

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 adjustment

2

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**, **Game** are programmed for good picture reproduction at the factory and cannot be changed.

3

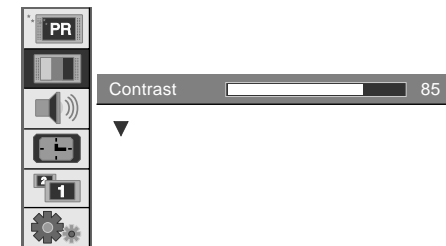
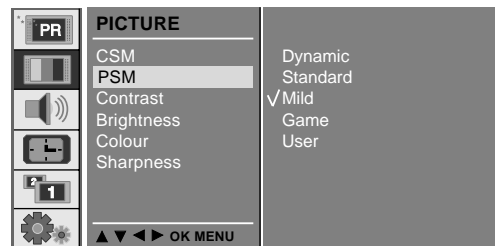
Manual Picture Control

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 (NTSC input only) to the levels you prefer.



Picture adjustment

Picture Format

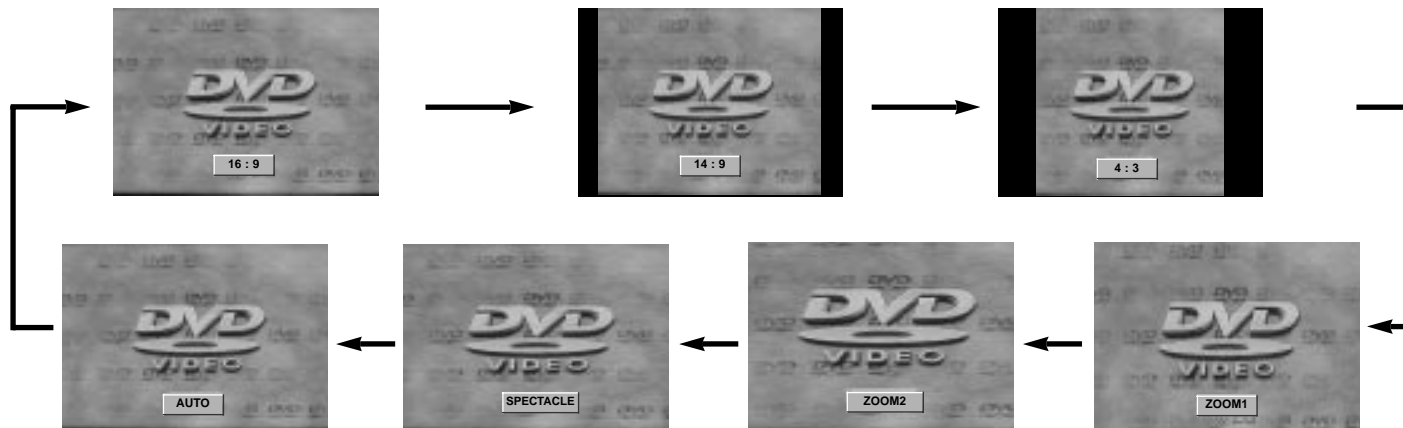
4

Picture format

You can watch TV in various picture formats; 16:9, 14:9, 4:3, ZOOM1, ZOOM2, SPECTACLE, AUTO. 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 also select 16:9, 14:9, 4:3, ZOOM1, ZOOM2, SPECTACLE, AUTO in the PIP menu.
- You can only select 16:9, 14:9, 4:3, ZOOM1, ZOOM2, SPECTACLE, AUTO in TV, AV1, AV2, AV3, AV4, S-VIDEO mode only.



Sound adjustment

1

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.

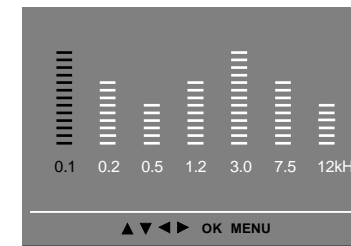
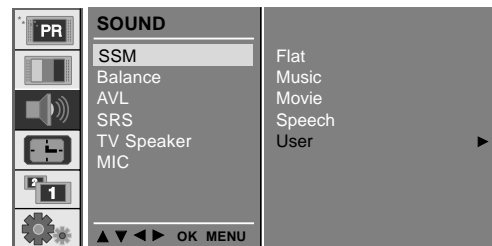
Repeatedly press the **MENU** button to return to normal TV viewing.

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

When changing **SSM** option in **SOUND** menu, **SRS** is automatically changed to **Off**.



Sound adjustment

2

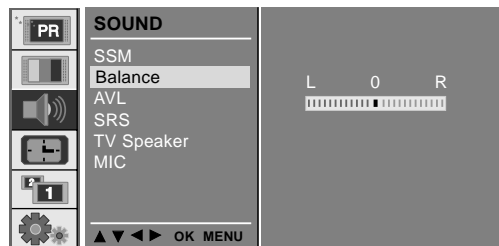
Balance

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.



3

AVL (Auto Volume Leveler)

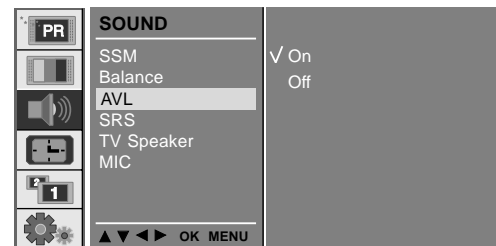
Press the **MENU** button and then use ▲ / ▼ button to select the SOUND menu.

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.



Sound adjustment

4

SRS



is a trademark of SRS Labs, Inc.

- TruSurround XT technology is incorporated under license form SRS Labs, Inc.
- Manufactured under license form Dolby Laboratories.

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

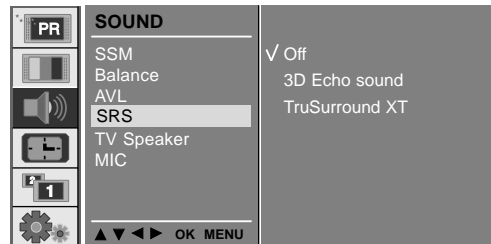
Press the ► button and then use ▲ / ▼ button to select **SRS**.

Press the ► button and then use ▲ / ▼ button to select **Off**, **3D Echo sound** or **TruSurround XT**.

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

When selecting **Off** option in **SRS** menu, **SSM** is automatically changed **Flat**.

When selecting **3D Echo sound** or **TruSurround XT** option in **SRS** menu, **SSM** is automatically changed **User**.



5

TV Speaker

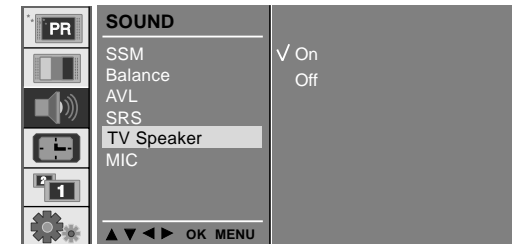
- Turn TV speakers off if using external audio equipment.

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

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

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

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



Sound adjustment

6

Mic

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

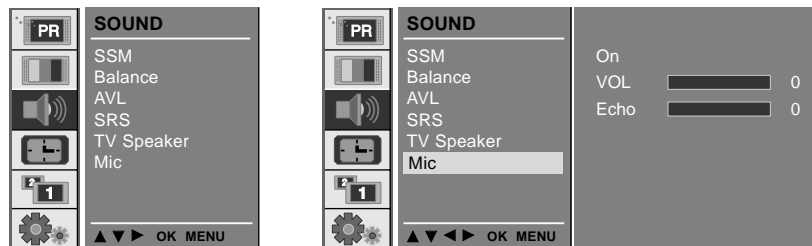
Press the ► button and then use ▲ / ▼ button to select **Mic**.

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

Only On time function ;

Press the ► button and then ▲ / ▼ button to adjust volume level and Echo level.

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



7

Stereo/Dual/NICAM reception

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 left loudspeaker and audio signal from audio R input is sent to right loudspeaker.

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

R+R : Audio signal from audio R input is sent to left and right loud-speakers.

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.

Sound adjustment

Language selection for dual language broadcast

If a programme 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.

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.

When NICAM mono is received, you can select **NICAM MONO** or FM MONO.

When NICAM stereo is received, you can select **NICAM STEREO** or FM MONO. If the stereo signal is weak, switch to FM mono.

When NICAM dual is received, you can select **NICAM DUAL I**, **NICAM DUAL II** or **NICAM DUAL I+II** or **MONO**. When FM mono is selected the display **MONO** appears on the screen.

Time Menu

1

Clock

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

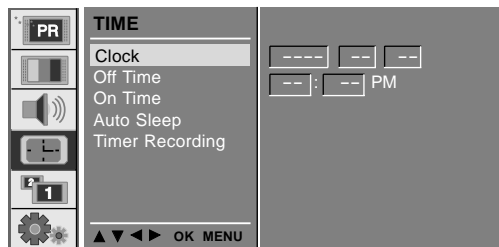
Press the **MENU** button and then ▲ / ▼ button to select the TIME menu.

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

Press the ► button and then ▲ / ▼ button to adjust the Year / month / day.

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

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



Time Menu

2

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 Year / month / day.

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

Press the ► button and then ▲ / ▼ button to select **Once** or **Daily**.

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

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

Note :

- In the event of power interruption (disconnection or power failure), the clock must be reset.
- 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.
- Once the on or off time is set, these functions operate daily at the preset time.
- Off Timer function overrides On Timer function if they are set to the same time.
- The set must be in standby mode for the On Timer to work.
- The On Time function may work as the On/Wakeup call/Off.

On : It is the set value such as PR/VOL, etc, becomes power ON.

Wakeup call : At Power On, the wakeup call music set at NIMP comes out.

(- It automatically changes into the designed TV after 3 minutes. Pressing button of the remote controller makes change into the TV mode while working on the wakeup call)

Off : On Time function turns Off.



Time Menu

3

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.



4

Timer Recording

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

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

Press the ► button and then ▲ / ▼ button to adjust the Year / month / day.

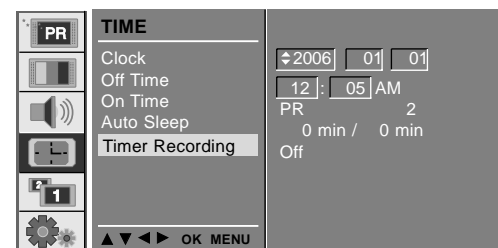
Press the ► button and then ▲ / ▼ button to adjust the hour / minute.

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

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

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

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



5

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

1

Front Light

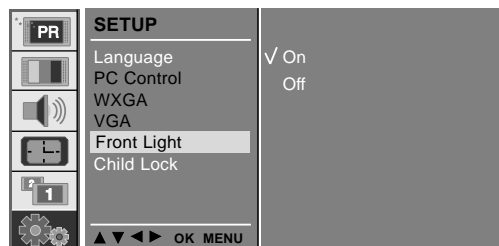
You can switch Front Light LED on or off.

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

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

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

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



2

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.

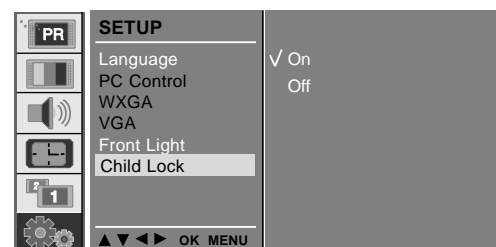
Press the **MENU** button and then ▲ / ▼ button to select the SETUP menu.

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.

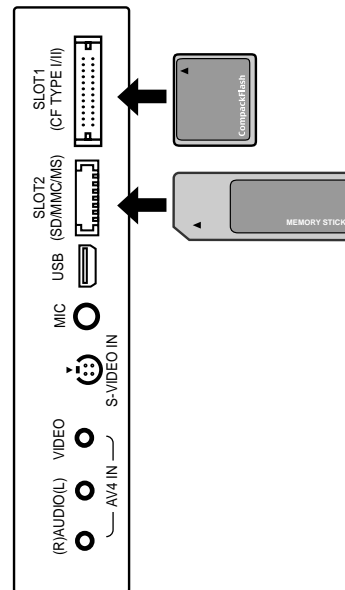
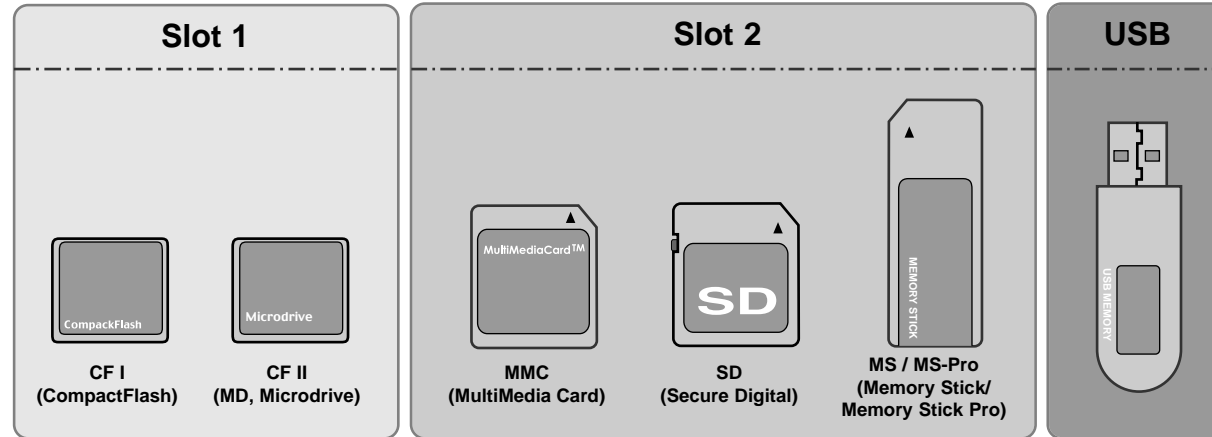
With the lock on, the display **Child Lock** appears on the screen if any button on the front panel is pressed while viewing the TV.



Memory Card Type (in NIMP mode)

- **What is NIMP (Neo-Integrated Multimedia Play)?** NIMP is a device you can use to view image files, view video files and listen to audio files through TV by connecting the MEMORY storage device to PC via installed MEMORY 1.1 host function.

- **Some MEMORY storage device is not complied with the TV.**



Note :

- MEMORY storage device supports only FAT32 file system.
- Insert the MEMORY storage device correctly.
- Don't insert metal substances into the slots of the MEMORY storage device.
- Do not turn the power off while using the Memory storage device. (loading, erasing or copying)
- Don't eject the MEMORY storage device while using the it. Otherwise, it may cause data loss or damage.
- Before you remove the USB Memory stick from the USB Host socket, don't forget to press the USB RELEASE button on the remote control, or the USB Memory stick may be damaged.
- Only insert on card to each slot.
- The manufacturer shall not be responsible for damaged data. Be careful to avoid data damage, and back up your files.
- Unsupported or damaged files can cause errors. Do not try to change the file extension of unsupported file types to the file extension of supported file types.

Basic operation (in NIMP mode)

1

Major features of NIMP

- 1) **ALBUM**
: You can view image files.
- 2) **MOVIE**
: You can view video files.
- 3) **MUSIC**
: You can listen to music files.
- 4) **LIST**
: File management is very convenient by viewing all the files.
- 5) **SETUP**
: Setup the environment.

2

Connecting the USB MEMORY or CF or SD/MMC /MS card storage device to PC and downloading files.

- 1) Connect the PC and MEMORY port using the MEMORY cable to connect the MEMORY storage device.
- 2) Download image, video, audio files to the MEMORY storage device.
- 3) Connect the MEMORY storage device to the MEMORY port of the TV.
- 4) Press the **NIMP** button to display the NIMP menu.

Note :

- Hard disc is not built in the set.
- Memory card and hard disc are not supplied separately.
- The USB Memory stick supplied when you bought the TV set is strongly advised to use.

On screen menus

Menu selection (in NIMP mode)

- 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 **NIMP** button and then use ◀ / ▶ button to display each mode.

2
Press the ▲ / ▼ button to display each menu.

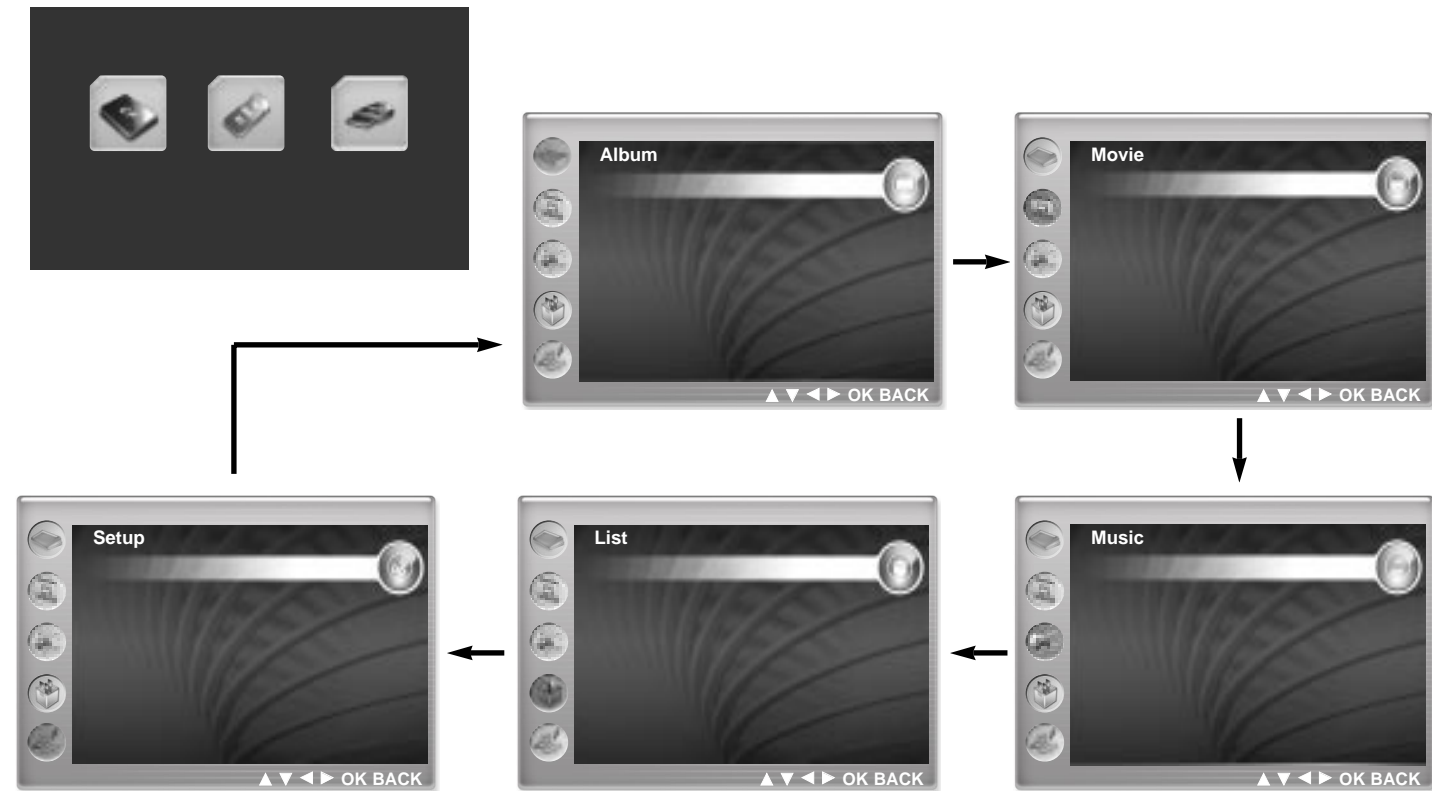
Press the **OK** button and then use ▲ / ▼ button to select a menu item.

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

3
Change the setting of an item in the sub or pull-down menu with ►.

You can move to the higher level menu with **BACK** button and to move to the lower level menu press the **OK** button.

Note : Menus may vary according to input mode.



Album Menu (in NIMP mode)

- You can display the image files saved in the MEMORY storage device.
- Image file formats that can be viewed : JPG, JPEG.

1

When displaying the image file

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Album menu and then ▲ / ▼ button to select a desired image file.

After pressing the **OK** button, you can select the image file to display using the ▲ / ▼ button.

If you press the **OK** button, you can see the preview on the right.

If you press the **OK** button again or press the **PLAY** button, you can see the full screen.

If you press the **EXIT** button, you can switch to the initial screen.

"File Error" Shown when you are trying to playback a file in full screen or preview of which the format cannot be played.



Album Menu (in NIMP mode)

2

When viewing the image files with slide show feature

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Album menu and then ▲ / ▼ button to select a desired image file.

After pressing the **OK** button, you can select the image file to display using the ▲ / ▼ button.

If you press the **OK** button, you can see the preview on the right.

If you press the **OK** button again or press the **PLAY** button, you can see the full screen.

When you press the **PLAY** button in the full image view, the slide show will start.

When you press the **STOP** button, the slide show will stop.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.



Album Menu (in NIMP mode)

3

You can press the Help button to select the help menu.

You can rotate the image using the ◀ / ▶ button when in full screen.

You can divide the image on the screen using the number keys (1, 2).

You can select the image you want using the ▲ / ▼ button.

- Feature by button

PLAY : Start slide show

STOP : Stop slide show

BACK : Prior screen

EXIT : Initial screen



Current page/Total page

Image Multi view

Image rotate view



Movie Menu (in NIMP mode)

- You can display the video file saved in the MEMORY storage device. (Not USB)
- Video file formats that can be viewed : AVI, ASF, WMV, MP4, MJPEG.
- When you are using the CF and SD/MMC/MS mode, you can enter the Movie menu.
- The maximum resolution of the movie file that can be played is 720X480.

1

When displaying the video file

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Movie menu and then ▲ / ▼ button to select a desired movie file.

After pressing the **OK** button, you can select the video file to display using the ▲ / ▼ button.

When shifting with ▲ / ▼ button during preview playback, the video playback will be stopped.

If you press the **OK** button, you can see the preview on the right.

When previewing the movie, it will only play up to 5 minutes.

If you press the **OK** button again or press the **PLAY** button, you can see the full screen.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.

- Feature by button

PLAY : Video file plays

PAUSE : Video file is paused

STOP : Video file is stopped

REV : Reverse playback (Speed: X2, X4, X8, X16)

FWD : Forward playback (Speed: X2, X4, X8, X16)

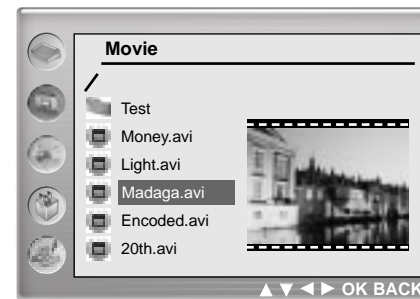
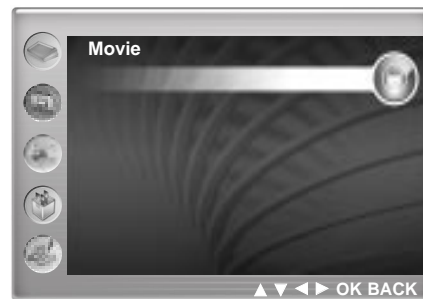
REPEAT : Decide whether to repeat playback.

A-B : Decide whether to repeat interval playback.

BACK : Prior screen

EXIT : Initial screen

REV, FWD, REPEAT and A-B : only works in Full Screen mode.



Movie Menu (in NIMP mode)

2

When repeating the video playback

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.




Press the ▲ / ▼ button to select the Movie menu and then ▲ / ▼ button to select a desired movie file.

After pressing the **OK** button, you can select the video file to display using the ▲ / ▼ button.

If you press the **OK** button, you can see the preview on the right.

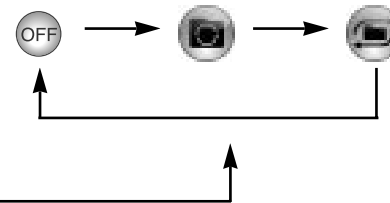
If you press the **OK** button again or press the **PLAY** button, you can see the full screen.

Press the **REPEAT** button during video playback to decide whether to repeat the playback.

-  : Do not repeat the playback.
-  : Repeat the playback for the current file.
-  : Repeats the playback for the files in the folder in the order.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.



Movie Menu (in NIMP mode)

3

When repeating the video playback for an interval

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Movie menu and then ▲ / ▼ button to select a desired movie file.

After pressing the **OK** button, you can select the video file to display using the ▲ / ▼ button.

If you press the **OK** button, you can see the preview on the right.

If you press the **OK** button again or press the **PLAY** button, you can see the full screen.

Press the **A-B** button at the starting position of the interval to repeat during video playback.

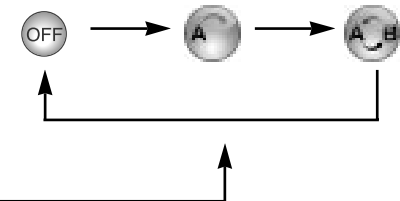
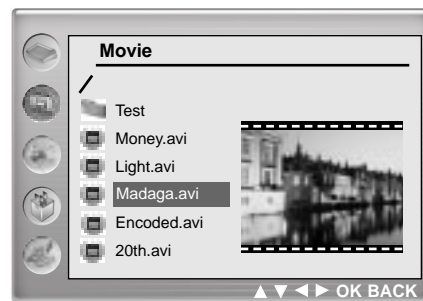
When the **A-** icon appears, press the **A-B** button at the ending position of the interval to repeat during video playback.

The Repeat Setting in the **A-B** section sets only more than 3 minutes.

When you want to cancel the interval repeat playback, press the **A-B** button one more time

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.



Music Menu (in NIMP mode)

- You can listen to the audio files saved in the MEMORY storage device.
- Audio file formats that can be viewed : MP3, OGG, AAC, WMA.

1

When listening to the audio file

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Music menu and then ▲ / ▼ button to select a desired music file.

After pressing the **OK** button, you can select the audio file to listen to using the ▲ / ▼ button.

When shifting with ▲ / ▼ button during preview playback, the video playback will be stopped.

- Feature by button

PLAY : Audio file plays

PAUSE : Audio file is paused.

STOP : Audio file is stopped.

REV : Prior audio file

FWD : Next audio file

When you press the **OK** button, the audio file will be played.

When you press the **OK** button again or press the **PLAY** button, you can see the full screen.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.

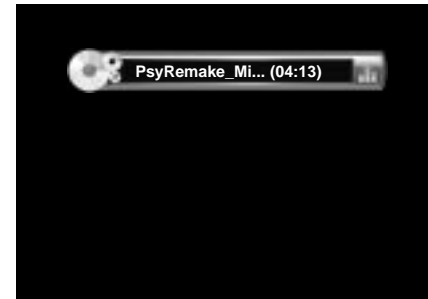
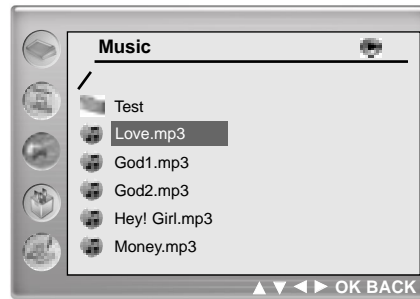
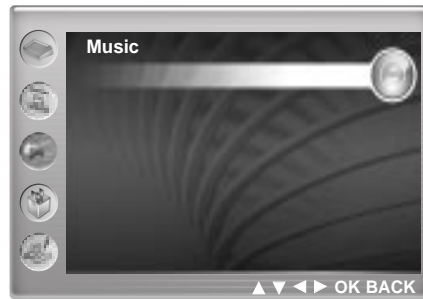
During music playback, the file name of the current music will be floated after 30 seconds.

REPEAT : Decide whether to repeat playback.

A-B : Decide whether to repeat interval playback.(Not USB)

BACK : Prior screen

EXIT : Initial screen



Music Menu (in NIMP mode)

2

When repeating the audio playback

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Music menu and then ▲ / ▼ button to select a desired music file.

After pressing the **OK** button, you can select the audio file to listen to using the ▲ / ▼ button.

When you press the **OK** button, the audio file will be played.

When you press the **OK** button again or press the **PLAY** button, you can see the full screen.

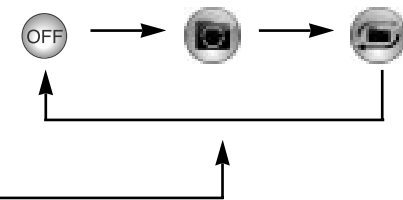
Press the **REPEAT** button during audio playback to decide whether to repeat the playback.

- OFF : Do not repeat the playback.
- [Repeat File Icon] : Repeat the playback for the current file.
- [Repeat Folder Icon] : Repeats the playback for the files in the folder in the order.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.

You can control the Slide Show during Full Screen mode using the **SETUP** menu.



Music Menu (in NIMP mode)

3

When repeating the audio playback for an interval (Not USB)

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Music menu and then ▲ / ▼ button to select a desired music file.

After pressing the **OK** button, you can select the audio file to listen to using the ▲ / ▼ button.

When you press the **OK** button, the audio file will be played.

When you press the **OK** button again or press the **PLAY** button, you can see the full screen.

You can control the Slide Show during Full Screen mode using the Setup menu.

Press the **A-B** button at the starting position of the interval to repeat during audio playback.

When the **A-** icon appears, press the **A-B** button at the ending position of the interval to repeat during video playback.

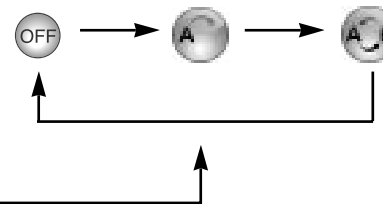
The Repeat Setting in the **A-B** section sets only more than 3 minutes.

When you want to cancel the interval repeat playback, press the **A-B** button one more time.

You can press the **HELP** button to select the help menu.

If you press the **EXIT** button, you can switch to the initial screen.

During Slide Show, repeated interval playback function does not work.



List Menu (in NIMP mode)

- You can display all the files saved in the MEMORY storage device.

1

When displaying the list file


Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

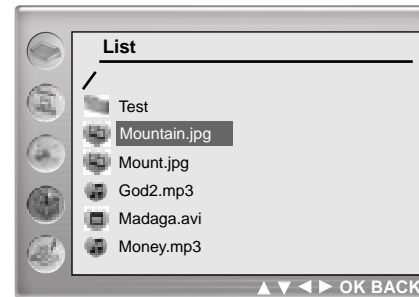
Press the ▲ / ▼ button to select the List menu and then ▲ / ▼ button to select a desired file.

After pressing the **OK** button, you can select the desired file using the ▲ / ▼ button.

If you press the **OK** button again or press the **PLAY** button, the file will be played.

If you press the **EXIT** button, you can switch to the initial screen.

 This is the icon of the file that cannot be executed.



Setup Menu (in NIMP mode)

- The user customizes the environment.

1

Record

- Select the quality of the file to record.

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Setup menu.

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

Press the ▶ button and then ▲ / ▼ button to select **Record Quality** or **Record Slot**.

After pressing the **OK** button, you can select the desired menu using the ▲ / ▼ button.

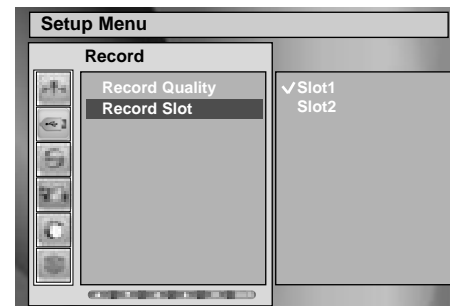
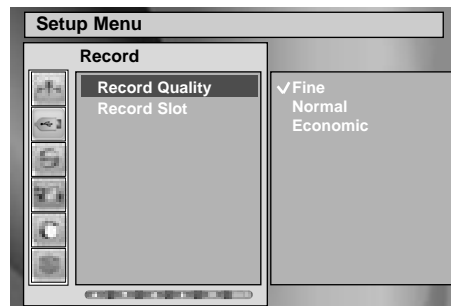
If you press the **EXIT** button, you can switch to the initial screen.

- This applies to Record button & Timer Record.

When recording 1G memory, it takes

- around 60 min. at the **Fine**,
- around 80 min. at the **Normal**,
- 150 min at the **Economic**.

* The recorded picture is produced smaller than TV screen size.



Setup Menu (in NIMP mode)

2

USB

You can only select the USB when using the USB mode.

Setup the USB storage device.

Press the **NIMP** button and then use ◀ / ▶ button to USB mode.

Press the ▲ / ▼ button to select the Setup menu.

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

After pressing the **OK** button, you can select the desired menu using the ▲ / ▼ button.

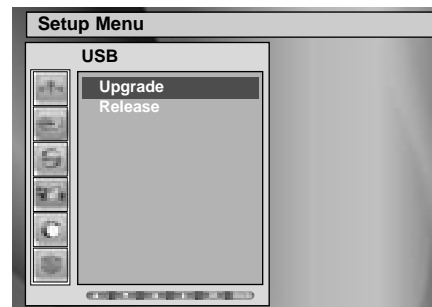
- **Upgrade** : This upgrades the firmware through the USB device.
- **Release** : This safely removes the USB device.

If you press the **EXIT** button, you can switch to the initial screen.

If the set does not work for a long time, turn off the Set Main Power button and then turn it back on.

- Upgrading Method :

- Download the new firmware. (www.indtek.co.kr)
- Copy the firmware to USB memory. (root directory)
- Insert the USB memory to the USB host socket in TV.
- Select USB upgrade menu.
- Press the OK button ("Upgrading" message is displaying)
- After upgrading, "System Reset" message is display and then the power is automatically Off & On.
- Check the version is changed in "System" "Version" menu.



Setup Menu (in NIMP mode)

3

Repeat

This sets the repeated playback for audio and video files.

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Setup menu.

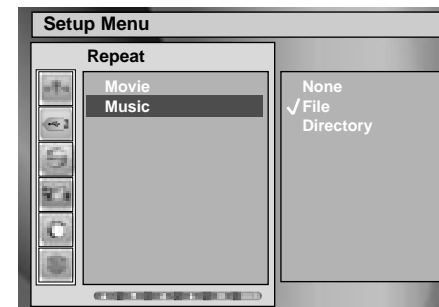
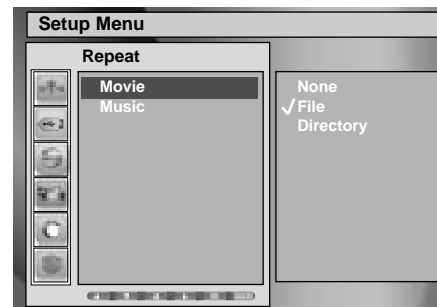
Press the ▲ / ▼ button to select the **Repeat**.

Press the ▶ button and then ▲ / ▼ button to select **Movie** or **Music**.

After pressing the **OK** button, you can select the desired file using the ▲ / ▼ button.

- **None** : Do not repeat the playback.
- **FILE** : Repeat the playback for the current file.
- **Directory** : Repeats the playback for the files in the folder in the order.

If you press the **EXIT** button, you can switch to the initial screen.



Setup Menu (in NIMP mode)

4

Slide Show


This sets the slide show of image and audio files.

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

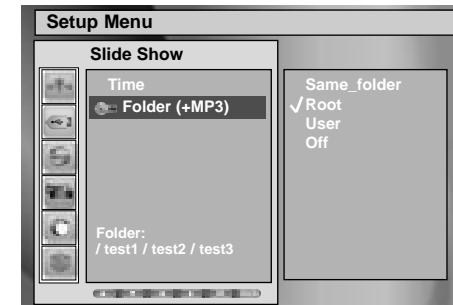
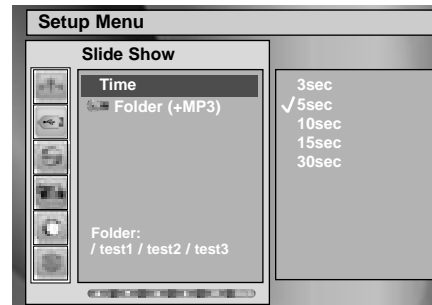
Press the ▲ / ▼ button to select the Setup menu.

Press the ▲ / ▼ button to select the **Slide Show**.

After pressing the **OK** button, you can select the desired menu using the ▲ / ▼ button.

- **Time** : This sets the display time during the slide show. This applies to Album, Music and Slide Show.
-  **Folder(+MP3)** : This sets the folder which has the files to display in slide show during MP3 file playback.
- **Same folder** : This displays the images in the same folder as the file currently in play.
- **Root** : This plays the initially set folder.
- **User** : This plays the folder designated by the user.
- **Off** : This does not display the slide show.

If you press the **EXIT** button, you can switch to the initial screen.



Setup Menu (in NIMP mode)

5

Wake-up Call

This feature sets the music for the Wake-up Call.

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Setup menu.

Press the ▲ / ▼ button to select the **Wake-up Call**.

Press the ▶ button and then ▲ / ▼ button to select **Select device** or **Search file**.

After pressing the **OK** button, you can select the desired menu using the ▲ / ▼ button.

- **Select device** : Select the device with the music file to use for the Wake-up Call.

- **Device** :

Slot1 : CF card

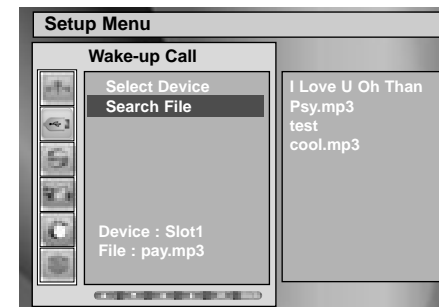
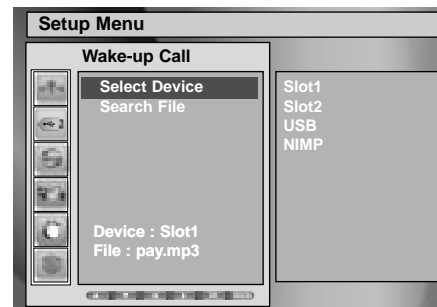
Slot2 : SD/MMC/MS card

USB

NIMP : The music file within the TV set will be played.

- **Search File** : Select the MP3 file within the designated device from Select device.

If you press the **EXIT** button, you can switch to the initial screen.



Setup Menu (in NIMP mode)

6

System

This sets the screen ratio, various saving folders and the default setting.

Press the **NIMP** button and then use ◀ / ▶ button to display each mode.

Press the ▲ / ▼ button to select the Setup menu.

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

Press the ▶ button and then ▲ / ▼ button to select **Caption**, **Movie Display Mode**, **File Sort**, **Resume**, **Default Setting** or **Version**.

After pressing the **OK** button, you can select the desired menu using the ▲ / ▼ button.

- **Caption** : This displays the subtitles during audio or video file playback.

- **Movie Display Mode** : This sets the screen ratio when video file playback.

1:1 -> This shows the original video signal as it is.

Full Screen -> This shows the video signal by scaling to 16:9 size.

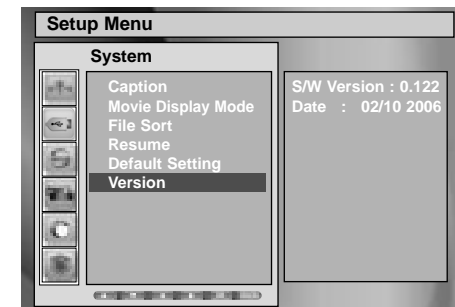
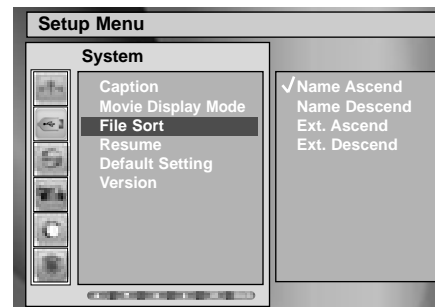
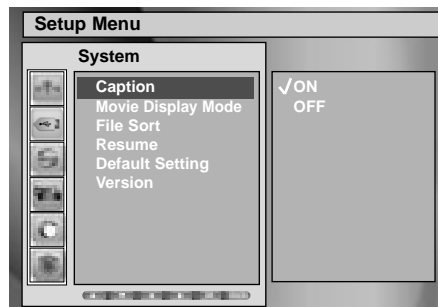
- **File Sort** : The files within the device will be assorted in the format designated by the user.

- **Resume** : This feature memorizes the last playback location during video playback and continues the playback from there.

- **Default Setting** : Initialize all the settings.

- **Version** : It shows the current version of the software.

If you press the **EXIT** button, you can switch to the initial screen.



Recording (in NIMP mode)

- This records the video from TV, AV1, AV2, AV3, AV4 and S-VIDEO to the CF, SD/MMC/MS card device. (Not USB)

Insert the CF or SD/MMC/MS card to the SLOT1 or SLOT2 of the TV.

Press the **RECORD** button to start the recording.

"**REC 00:00:00**" will be shown on the screen.

When the recording is complete, you will see the message saying "**Recorded**" on the screen.

If you see a message saying "**Not Available**" on the screen. It means that the recording is not correctly saved.

Check the Memory storage device and re-record.

"**Not Available**" : Shown when Record or Capture button is pressed in modes other than TV, AV1, AV2, AV3, AV4 or S-VIDEO.

- Recording



- Record complete



Image capture (in NIMP mode)

- Image from TV, AV1, AV2, AV3, AV4 or S-VIDEO is captured to the CF, SD/MMC/MS card device. (Not USB)

Insert the CF or SD/MMC/MS card to the SLOT1 or SLOT2 of the TV.

Start the capturing images by pressing the **CAPTURE** button.

When you see the message "**Captured**", it means that 1 image was captured and saved.

When you see the message "**Not Available**" it means that the image was not properly captured and saved.

Check the MEMORY storage device and trying capturing the image again.

When editing the file. (in NIMP mode)

- You can change the name of or delete the folders and files.

When deleting a folder or a file

After selecting the file to delete with the ▲ / ▼ button, press the **HELP** button without previewing and select Delete using the ▲ / ▼ button.

Press the **HELP** button when not in file preview mode, and select **Delete** using the ▲ / ▼ button.

You will see the message asking "**Sure to delete? OK, Cancel**".

Select **OK** to delete.

When changing the folder or file name

Press the **HELP** button when not in file preview mode, and select **Rename** using the ▲ / ▼ button.

Enter the new name.

- ▲ / ▼ : change the letter
- : input the next letter
- ◄ : clear the letter

When copying a folder or a file

Press the **HELP** button when not in file preview mode, and select **Copy** using the ▲ / ▼ button.

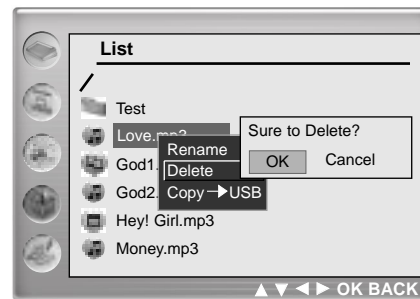
When you are using the CF or SD/MMC/MS mode, you can use the Copy →USB from the Help menu.

When you select Copy →USB, the files in the card device will be copied to the USB.

When you are using the USB mode, you will see the Copy →Slot1 and Copy →Slot2 in the Help menu.

When you select Copy → Slot1 or Copy → Slot2, it will copy the files to the device connected to the USB port.

Select the file and press the **HELP** button.



Information Error message Multimedia Format (in NIMP mode)

- **Memory connected** : This appears when SLOT1, SLOT2 or USB recognizes a Memory storage device.

- **Memory Failed** : This appears when the memory storage device does not work normally.

Solution : Remove the memory storage device and connect it again.

- **Memory Full** : memory storage becomes full.

Solution : memory storage becomes empty.

Memory Disconnected : This appears when the Memory storage device is removed. This also appears when USB is removed by the USB release key.

- **Not Available** : This appears when record or capture fails.

Possible causes : This can appear when the Memory storage device capacity is not enough, when it is disconnected, or when the capture or record input signal is not TV, AV1, AV2, AV3, AV4 or S-VIDEO.

- **Captured** : This appears when capture is complete.

- **Upgrading** : This appears when upgrade is conducted through USB.

- **System Reset** : This appears after upgrade is complete. After the message is outputted, and then system reboot.

- **Unknown File** : This appears when you attempt to play a file of an unrecognizable file format.

- Multimedia Format -

AUDIO	Playback format	MP3, OGG, AAC, WMA	
	Bit Rate	32kbps ~ 320kbps	
Image Playback		JPG images	
VIDEO	*Playback format	720 x 480 or less only	AVI(Divx4.x, Divx5.x 5.0 pro), ASF, MP4
		640 x 480 or less only	AVI(Divx3.11), MJPEG
		320 x 240 or less only	WMV Version 9 MP@LL
		176 x 144 or less only	WMV Version 9 MP@ML
	Encoding format	640 x 480	ASF

* For Video Playback format, the application resolution depends on the codec. For instance, when any file with ASF extension is WMV Version 9 MP@LL codec, the resolution is only 320x240 or less only.

Memory storage device being compatible at TV (in NIMP mode)

- Memory storage device being compatible at TV -

Classification	Model	Capacity
USB (Data flow type : Bulk transfer)	AL-Tech Any Drive	128MB
	Memorive Pro 2.0	128MB
	Memorive Pro 2.0	256MB
	Memorive Pro+ 2.0	1GB
	Dane-Elec zMate Pen Drive Black USB2.0	512MB
	HANA Micron AXIS Mobile disk USB2.0	256MB
	Imation Swing Blue	256MB
	Imation Swing Blue	1GB
	LG XTICK 2.0 Mirror	256MB
	LG XTICK 2.0 Mirror	1GB
	A-DATA Lover Disk	1GB
	Kingston Datatrabeler	1GB
	Transcend Jet Flash 110	1GB
SD	LG Ultra High Speed	128MB
	Lexar	128MB
	Samsung Pleomax	128MB
	Transcend 80x	128MB
	Vivanco	256MB
	Transcend Mini 80x	512MB
	Zyrus Mini	512MB
	SanDisk Mini	256MB
	SanDisk Mini	512MB
	SanDisk	1GB
RS-MMC	Terabit	256MB
	Transcend	512MB
	Transcend MMC Plus	1GB
MS	Lexar Memory Stick Pro Duo	512MB
	Sony Memory Stick Duo	128MB
	Sony Memory Stick Pro	512MB
	Sony Memory Stick Pro Duo	512MB
	SanDisk Memory Stick	256MB
	SanDisk Memory Stick Duo	512MB
	SanDisk Memory Stick Pro Duo	512MB
	SanDisk Memory Stick Pro Duo	1GB
CF	Vianco	256MB
	LG Ultra High Speed	512MB
	SanDisk Ultra II high speed	512MB
	Samsung Pleomax	1GB
	ACE S&C 120x	1GB
	Transcend 45x	1GB
	Mojan 80x	1GB
	Hitachi Micro Drive	4GB
	Hitachi Micro Drive	6GB
	Sony Microdrive	5GB

*It may not support the product unlisted.

*MEMORY storage device supports only FAT32 file system.

Connection of PC

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

WXGA or VGA (Only RGB mode)

a : When the set is inputted WXGA signal, select the desired WXGA resolution.

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

Auto-configure

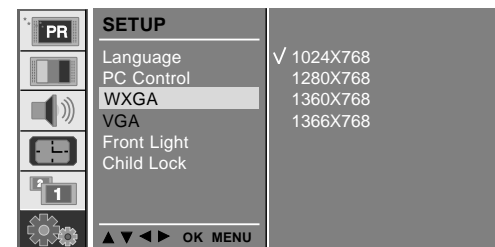
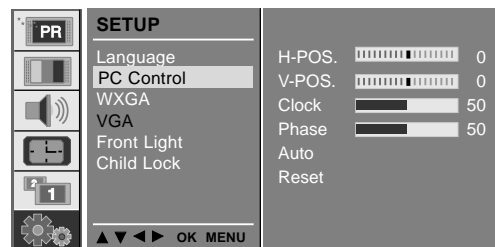
This function is for the automatic adjustment of the screen position, clock and phase. The displayed image will disappear for a few seconds while the Auto-configuration is in progress.

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.



PIP (Picture-in-Picture) Feature

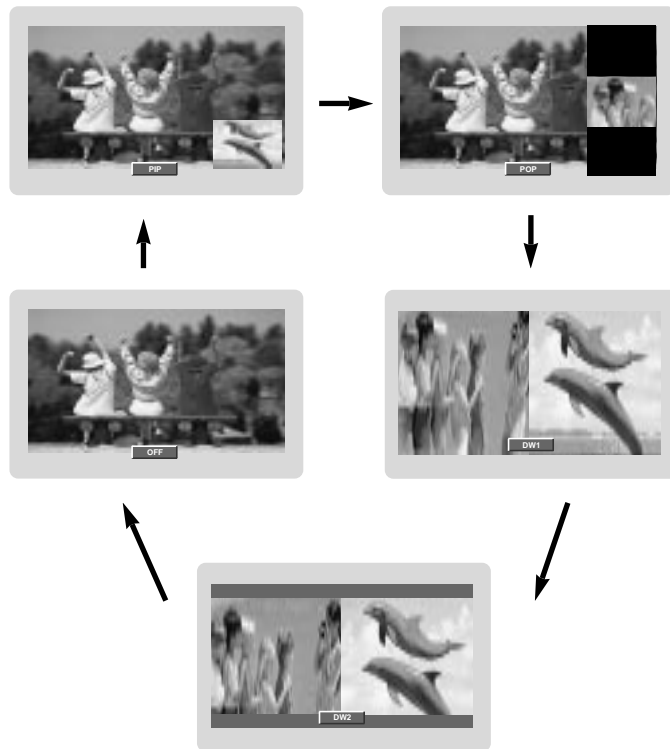
- PIP lets you view 2 different inputs (sources) on your monitor screen at the same time. One source will be large, and the other source will show a smaller inset image.

1

Watching PIP

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

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



2

PIP Audio Output

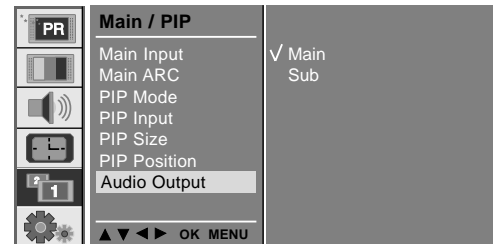
PIP mode - main and sub picture audio select.

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

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

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

3

Moving the PIP

Press the **PIP POSITION** button.

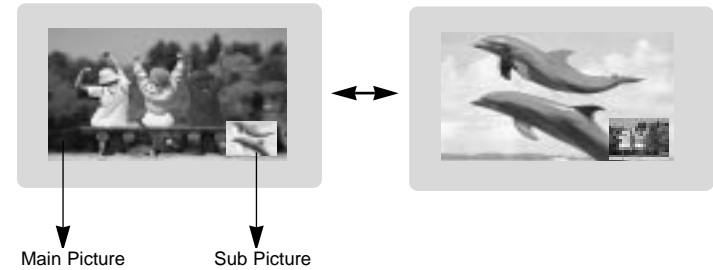
Press the **PIP POSITION** button repeatedly until desired position is achieved. The sub pictures move clockwise.



4

Swapping the PIP

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



MAIN SUB	TV	AV1	AV2	AV3	AV4	S-VIDEO	COMP.	PC-RGB	HDMI1	HDMI2	NIMP
TV	X	O	O	O	O	O	O	O	O	O	X
AV1	O	X	O	O	O	O	O	O	O	O	X
AV2	O	O	X	O	O	O	O	O	O	O	X
AV3	O	O	O	X	O	O	O	O	O	O	X
AV4	O	O	O	O	X	O	O	O	O	O	X
S-VIDEO	O	O	O	O	O	X	O	O	O	O	X

PIP (Picture-in-Picture) Feature

5

Selecting a Input Signal Source for the PIP

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



6

Programme selection for sub picture

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

7

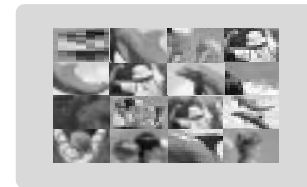
Programme scan

This function enables you to search all the stored stations on 4 or 16 sub pictures and see your favourite 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.



Teletext (or TOP text) is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.

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

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

Switch on/off


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

SIMPLE text

Page selection

1. Enter the desired page number as a three digit number with the **NUMBER** buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number.
2. The **▲ / ▼** button can be used to select the preceding or following page.

Programming a colour button in LIST mode

If the TV is in SIMPLE text, TOP text or FASTEXT mode,  press the button to switch to LIST mode.

Four teletext page numbers of your choice can be colour coded and easily selected by pressing the corresponding coloured button on the remote control handset.

1. Press a coloured button.
2. Using the **NUMBER** buttons, select the page you wish to programme.
3. Press the **OK** button. The selected page is stored as the selected page number, blinking once to confirm this. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in this way.

TOP text (option)

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

Block / group / page selection

1. With the blue button you can progress from block to block.
2. Use the yellow button to proceed to the next group with automatic overflow to the next block.
3. With the green button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the **▲** button can be used.
4. The red button permits to return to previous selection. Alternatively the **▼** button can be used.




Direct page selection

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

FASTEXT

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

Page selection

1. Press the  button to select the index page.
2. You can select the pages which are colour coded along the bottom line with the same coloured buttons.
3. Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.
4. The  /  button can be used to select the preceding or following page.

Special teletext functions

REVEAL

Press this button to display concealed information, such as solutions of riddles or puzzles.

Press this button again to remove the information from the display.

SIZE



Selects double height text.

Press this button to enlarge the top half of the page.

Press this button again to enlarge the bottom half of the page.

Press this button again to return to the normal display.

UPDATE

Displays the TV picture on the screen while waiting for the new teletext page. The display  will appear at the top left hand corner of the screen. When the updated page is available then display  will change to the page num-

ber.

Press this button to view the updated teletext page.

HOLD

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



To continue press this button again.

MIX

Displays the teletext pages superimposed on the TV picture.

To switch the TV picture off press this button again.

TIME

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

Press this button again to exit this function.

Displayable Monitor Specification

RGB Mode / HDMI Mode

MODE	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)
DOS	640X350	31.5	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

(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 1,024x768@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 1,024x768@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.
- Supportable resolution may vary as per graphic card.

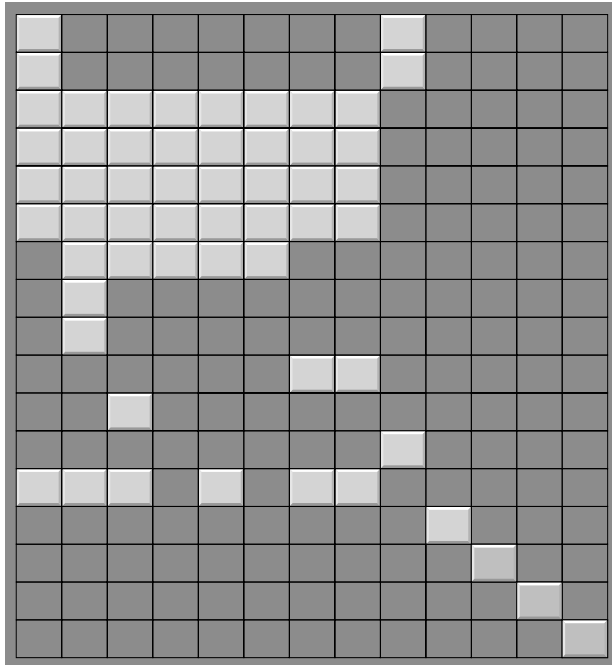
Note

Troubleshooting

Check list

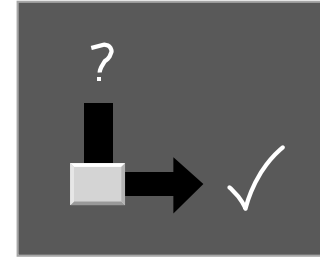
Symptoms

- 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



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