LG

Colour Television
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.

Chassis : MC-049A/B/C

Contents

Important Precautions

This unit has been engineered and manufactured to assure your personal safety, however improper use may result in potential electrical shock or fire hazards. In order to allow the proper operation of all safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing. Keep it in an accessible place for future reference.

On Safety

The power supply cord is used as the main disconnect device. Ensure that the socket-outlet is easily accessible after installation.

Operate the TV set only from a power source indicated in the specifications of this manual or listed on the TV set. If you are not sure what type of power supply you have in your home, consult with your dealer.

Overloaded AC outlets and extension cords are dangerous. So are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

Hands must be dry when holding the power plug to avoid an electric shock.

Do not damage the power cord by disassembling, bending, pulling or heating up, it can cause fire or electric shock.

Make sure to completely insert the power plug. Insecure connections can cause fire.

Do not Open the TV set

■ There are no user serviceable components inside.

■ There are Dangerous High Voltages inside, even when the power is OFF.

■ Contact your dealer if the TV is not operating properly.

To Avoid Personal Injury :

■ Do not place the TV set on a sloping shelf unless properly secured.

■ Use only fixed wooden stand. The TV shall be positioned 5cm behind the front edge of an open fronted with 1cm free space along the sides top and 5cm depth behind the TV.

■ Do not try to roll a stand with small casters across thresholds or deep pile carpets.

To Prevent Fire or Hazards:

■ Always turn the TV set OFF if you leave the room for more than a short period of time. Never leave the TV set ON when leaving the house.

■ Keep children from dropping or pushing objects into the TV cabinet openings. Some internal parts carry hazardous voltages.

■ Do not add accessories that have not been designed for this TV set.

■ During a lighting storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and extreme socket.

■ Do not bring magnetic devices such as magnets or motors near the picture tube.

Important Precautions

On Installation
Do not allow anything to rest upon or roll over the power cord, and do not place the TV set where the power cord is subject to damage.

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.

Service
Do not attempt to service the TV set yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Aerial
Connect the aerial cable to the socket marked T 75 W on the back cover. For the best reception an outdoor aerial should be used.

Location
Do not use this TV near water such as near bathtub, washbowl, kitchen sink, laundary tub, in a wet basement, or near a swimming pool.
TV set are provided with ventilation openings in the cabinet to allow the release of heat generated during operation. If these openings are blocked, built-up heat can cause failures which may result in a fire hazard. There fore,

- The ventilation should not be impeded by covering the ventilation openings with items such as newspaper, table cloths, curtains, etc.
- Never place the TV set in a built-in enclosure unless proper ventilation is provided.
- No naked flame source such as lighted candles should be placed on the TV.
- Never place the TV set near or over a radiator or heat source.
- Position your set so that no bright light or sunlight falls directly onto the screen.

On Cleaning
- Unplug the TV set before cleaning the face of the TV screen.
- Use a slightly damp (not wet) cloth. Do not use an aerosol directly on the TV screen because overspray may cause electric shock.

On Repacking
- Do not throw away the carton and packing materials. They make an ideal container in which to transport the unit. When shipping the unit to another location, repack it in its original material.

Caution: Please do not use stabilizer with TV set as this set has inbuilt voltage stabilizer. Use of Inferior quality stabilizer may damage the set.

Battery installation

The remote control handset is powered by two AA/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 ($\oplus$ and $\ominus$) marked inside the compartment.
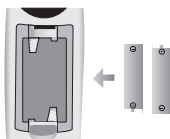
Note: To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an external period of time.

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 on the page No4.

1. POWER
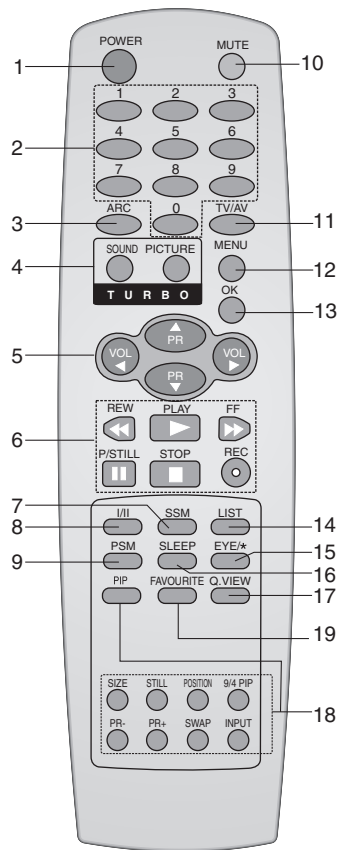switches the set **On** from standby or **Off** to standby.

2. NUMBER BUTTONS
switches the set **On** from standby or directly select a number.

3. ARC (Aspect Ratio Control)
Changes the picture format.

4. TURBO PICTURE / SOUND BUTTON
selects Turbo picture / sound.

5. ▲ / ▼ (Programme Up/Down)
selects a programme or a menu item.
switches the set **On** from standby.
scans programmes automatically.
◄ / ► (Volume Up/Down)
adjusts the volume.
adjusts menu settings.

6. VCR BUTTONS (option)
control a LG video cassette recorder.

7. SSM (Sound Status Memory)
recalls your preferred sound setting.

8. I/II (option)
selects the language during dual language broadcast (option).
selects the sound output.

9. PSM (Picture Status Memory)
recalls your preferred picture setting.

10. MUTE
switches the sound **On** or **Off**.

11. TV/AV
selects TV or AV mode.
switches the set **On** from standby.

12. MENU
selects a menu.

(Without TELETEXT / With PIP)

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Location and function of controls

13. OK
accepts your selection or display the current mode.

14. LIST
displays programme table.

15. EYE/* (option)
switch the eye function **On** or **Off**.

16. SLEEP
sets the sleep timer.

17. Q.VIEW
returns to the previously view programme.

18. PIP BUTTON (option)
for single tuner PIP models, the sub picture in RF mode will be same as main picture.
PIP
switches the sub picture.
PR +/-
select a programme for the sub picture.
SWAP
alternates between main and sub picture.
SIZE
adjust the sub picture size.
STILL
freeze motion of the sub picture.
POSITION
relocates the sub picture in clockwise direction.
9/4 PIP
switches **On** or **Off** the 9 or 4 sub picture.
INPUT
press the input button to select the mode of sub picture.

19. FAVOURITE
pressing each time this button will select a stored favourite programme.

COLOURED BUTTONS
These button are used for teletext (only TELETEXT models) or programme edit.

Remarks :
1. Some keys in remote can be non-functional, these keys are use in other models.
2. Keys marked * are non functional.
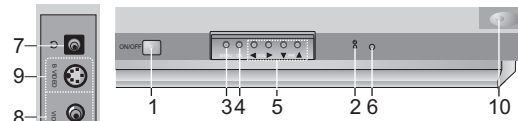
(Without TELETEXT/Without PIP)

Location and function of controls
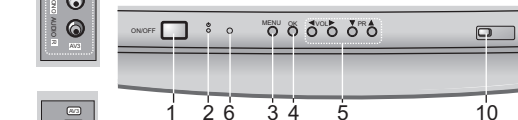
FRONT PANEL / SIDE PANEL

Shown below is a simplified representation of front or side panel, here shown may be somewhat different from your set.
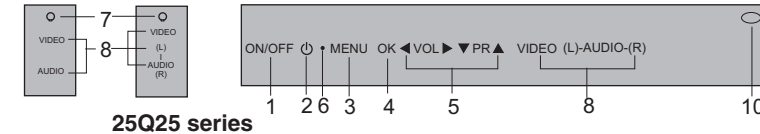
25Q25 series

25/29CA45 series

21FA25 series
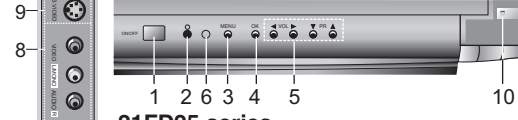
21FD25 series
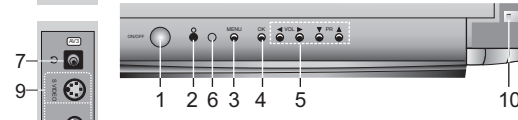
21/29FC82/85 series, 21/29FC8DVE series
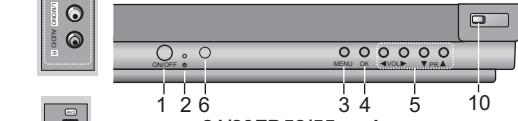
21/29FD52/55 series
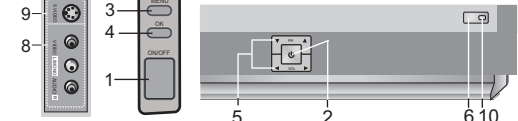
21FE45 series
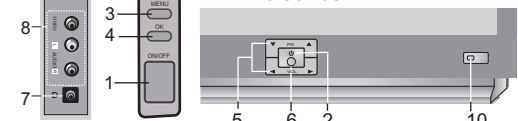
21FD70 series
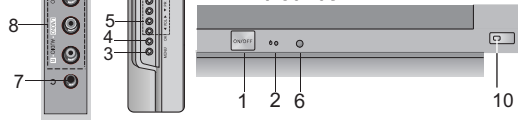
1. **MAIN POWER**
   switches the set **On** or **Off**.

2. **POWER/STANDBY INDICATOR**
   illuminates brightly when the set is in standby mode.
   dims when the set is switched **On**.

3. **MENU**
   selects a menu.

4. **OK**
   accepts your selection or displays the current mode.

5. ▲/▼ **(Programme Up/Down)**
   selects a programme or a menu item.
   switches the set on from standby.
   ◄/► **(Volume Down/Up)**
   adjusts the volume.
   adjusts menu settings.

6. **REMOTE CONTROL SENSOR**
   Note : *Only use the supplied remote control handset. (When you use other, they'll be not able to function).*

7. **HEADPHONE SOCKET (option)**
   Connect the headphone plug to this socket.

8. **AUDIO/VIDEO IN SOCKETS (AV2/AV3) (Option)**
   Connect the audio/video out sockets of External equipment to these sockets.

9. **S-VIDEO/AUDIO IN SOCKETS (S-AV) (option)**
   Connect the video out socket of an S VIDEO VCR to the **S-VIDEO** socket.
   Connect the audio out sockets of the S-VIDEO VCR to the audio sockets as in **AV3.**

10. **EYE (option)**
    adjusts picture according to the Surrounding conditions.

Note : *Do not place any heavy objects on the TV set.*

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Basic operation
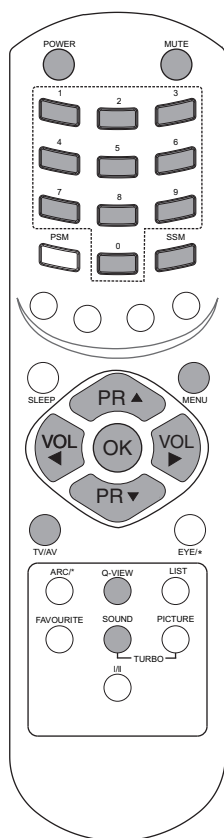
On and Off

1. Press the main power button to switch the set **On**.
2. If the set is in standby mode press the **POWER**, ▲/▼, **TV/AV** or NUMBER buttons on the remote control handset to switch it **On** fully.
3. Press the **POWER** button on the remote control handset. The set reverts to standby mode.
4. Press the main power button again to switch the set **Off**.

Programme selection

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

Volume adjustment

Press the ◄/► button to adjust the volume.

Quick view

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

Mute function

Press the **MUTE** button. The sound is switched **Off**. You can cancel it by pressing the **MUTE**, ◄/►, **SSM**, **TURBO SOUND.**

Auto Demonstration

To review all the menus programmed in the set, press the **OK** button of the front panel control for about 10 seconds. To stop auto demonstration, press any button of the front panel control or **POWER** button of the remote control.

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 twice and then the ▲/▼ button to select Language.
3. Press the **OK** button. All the on screen displays will appear in the selected language
4. Repeatedly press the **MENU** or ◄ 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 ▲/▼ button to select a menu item. The selected menu item changes from white to blue.
3. Press the ▶ button to change the setting of a menu item or **OK** button to display the sub menu.

Note :
a. *In the teletext mode menus are not displayed.*
b. *In some models, the **Normal /Turbo search** will not display, only the **Start** will display in the **Auto Programme** menu.*
c. *In some models, **Tilt**, **Game**, **FM transmitter, Booster**, **DBS**, **Woofer volume** or **Colour degauss** will not display.*
d. *In some models, the **Language** will not display.*

Programme

Picture

Sound

MC-049A   *MC-049B/C*
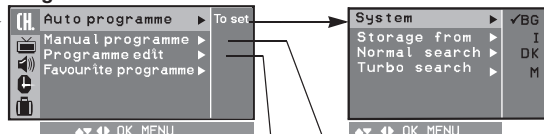
Time

Special

TV programme

Setting up TV stations

Programme

```
CH. ┌─────────────────────────┐
    │ Auto programme       ►  │
📺  │ Manual programme     ►  │
🔊  │ Programme edit       ►  │
    │ Favourite programme  ►  │
🔆  │                         │
🗑  └─────────────────────────┘
    ▲▼ ◄► OK MENU
```
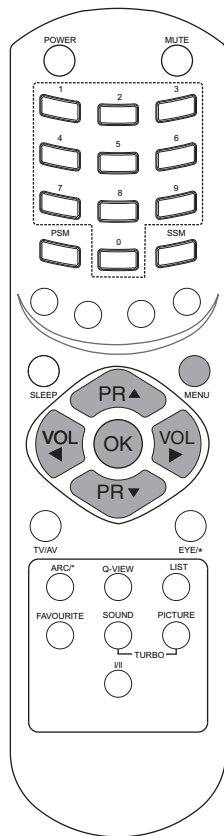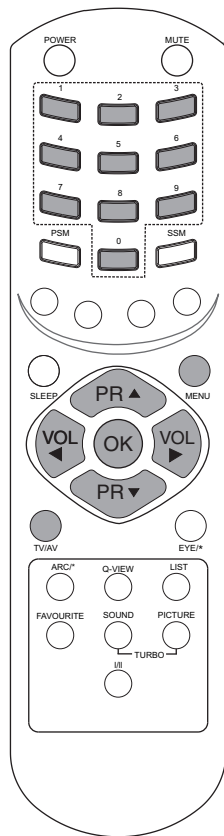
Up to 200 TV stations can be stored in this set by programme numbers (0 to199). Once you have preset the stations, you will be able to use the ▲/▼ or NUMBER buttons to scan the stations you programmed. Stations can be tuned using automatic or manual modes.

Note : *In some models up to 100 TV stations can be stored.*

Auto programme tuning

All stations that can be received are stored by this method. It is recommended that you use auto programme during installation of this set.
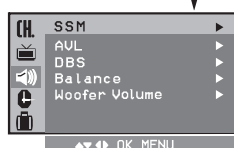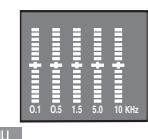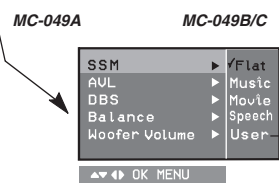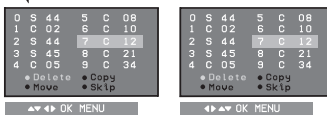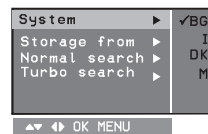
1. Press the **MENU** button and then ▲/▼ button to select the Programme menu.
2. Press the ► button and then ▲/▼ button to select **Auto programme.**
3. Press the ► button to display the **Auto Programme** menu.

```
┌─────────────────────┬──────┐
│ System          ►   │ ✓BG  │
│ Storage from    ►   │  I   │
│ Normal search   ►   │  DK  │
│ Turbo search    ►   │  M   │
├─────────────────────┴──────┘
│ ▲▼ ◄► OK 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 **Storage from.**
6. Select the beginning programme number with the ◄/► button or NUMBER buttons. Any number under 10 is entered with a numeric '**0**' (or '**00**') in front of it i.e. '**05**' or ('**005**') for 5.
7. Press the ▲/▼ button to selection **Normal** or **Turbo search**.
   Option : In some models, Only can select **Start**.

Note :
a. ***Turbo search*** *is further faster than* ***Normal search*** *and in some models, these searches will automatically store all receivable stations.*
b. *If the programmed station has poor quality sound, select the system again in the* ***Manual Programme*** *menu.*
8. Press the ► button to begin auto programming.

```
┌─────────────────────┐    ┌─────────────────────┐
│ System          ►   │    │ System          ►   │
│ Storage from    ►   │    │ Storage from    ►   │
│ Normal search   ►   │    │ Normal search ► To Start │
│ Turbo search  ► To Start │ Turbo search    ►   │
├─────────────────────┤    ├─────────────────────┤
│ ▲▼ ◄► OK MENU       │    │ ▲▼ ◄► OK MENU       │
└─────────────────────┘    └─────────────────────┘
     Turbo Search               Normal Search
```

All receivable stations are stored.
To stop auto programming press the **MENU** button.
When auto programming is completed, the **Programme edit** menu appears on the screen. See the 'Programme edit' section to edit the stored programme.
9. Repeatedly press the **MENU** to return to normal TV viewing.

Setting up TV stations

Programme

```
CH.  Auto programme      ▶
📺   Manual programme    ▶
🔊   Programme edit      ▶
🔋   Favourite programme ▶
🗑
     ▲▼ ◀▶ OK MENU
```

Auto programme scan

To automatically scan the pictures of stored programmes, press the ▲ or ▼ button for about 3 seconds. The picture of stored Programmes appears on the screen one by one.

To stop auto programme scanning, press any button except VCR buttons.

Manual programme tuning

Manual programme lets you manually tune and arrange the stations in whatever order you desire. Also you can assign station name with five characters to each programme number.
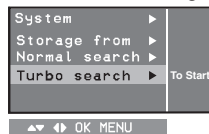
1. Press the **MENU** button and then ▲/▼ button to select the Programme menu.
2. Press the ▶ button and then ▲/▼ button to select **Manual programme**.
3. Press the ▶ button to display the **Manual Programme** menu.

```
AUTO PROGRAMME
System        ▶  ✓BG
Storage from  ▶   I
Normal search ▶   DK
Turbo search  ▶   M

▲▼ ◀▶ OK MENU
```

4. If this station is the one required, press the ▲/▼ button to select **Storage**. Select the desired programme number (0 to 199) with the ◀/▶ button or NUMBER buttons. Any number under 10 is entered with a numeric **'0'** (or **'00'**) in front of it, i.e. **'05'** (or **'005'**) for 5.
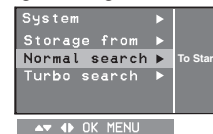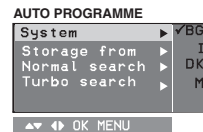5. Press the ▲/▼ button to select **System**. Select a TV system with the ◀/▶ button;
   BG : (Asia/New Zealand/M.East/Africa/Australia)
   I : (Hong Kong/South Africa)
   DK : (East Europe/China/Africa/ CIS)
   M : (USA/Korea/Philippines) (option)
6. Press the ▲/▼ button to select **Channel**. Press the ◀/▶ button to select **V/UHF** or **Cable** as required.
   If possible select the channel number (1 to 69) directly with the number buttons. Any number under 10 is entered with a numeric '**0**' (or '**00**') in front of it, i.e. '**05**' (or '**005** ') for 5.
7. Press the ▲/▼ button to select search. Press ◀/▶ button to commence searching. If a station is found, the search will stop.
8. Press the **OK** button to store it. The display **Stored** will appear.

```
MANUAL PROGRAMME
Storage   ▶
System    ▶
Channel   ▶
Search    ▶
Name      ▶
Booster   ▶
Fine      ▶

▲▼ ◀▶ OK MENU
```
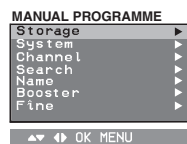
9. To store another station repeat steps 4 to 8.
10. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

Setting up TV stations

Programme

```
CH.  Auto programme      ▶
     Manual programme    ▶
     Programme edit      ▶
     Favourite programme ▶

     ▲▼ ◀▶ OK  MENU
```
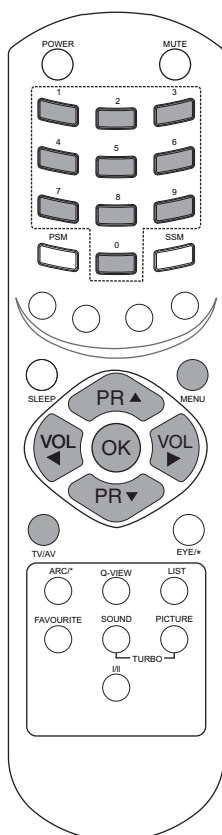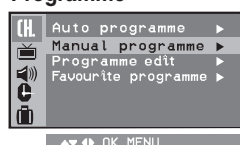
Fine tuning

Normally fine tuning is only necessary if reception is poor.

1. Repeat the Manual programme tuning steps 1 to 3.
2. Press the ▲/▼ button to select **Fine**.
3. Press the ◀/▶ button   step by step to fine tune for the best picture and sound.

```
MANUAL PROGRAMME

Storage        ▶
System         ▶
Channel        ▶
Search         ▶
Name           ▶
Booster        ▶
Fine           ▶  ▶▶▶
▲▼ ◀▶ OK  MENU
```
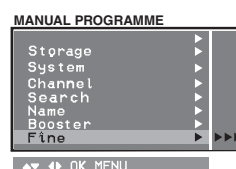
4. Press the **OK** button.
5. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.
   The finely tuned programme will be indicated by yellow number during programme selection.

Assigning a programme name
1. Repeat the Manual pragramme 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** to return to normal TV viewing.

Booster (option)
When the interference between programmes appear, select **Booster** to **Off**. For weak signal reception 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** or ◀ button to return to normal TV viewing.

Setting up TV stations

Programme

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.
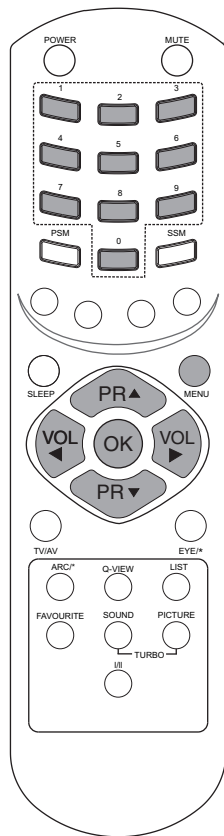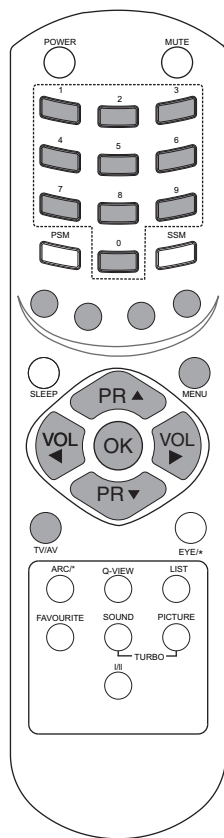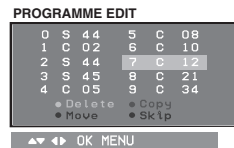
1. Press the **MENU** button and then ▲/▼ button to select the Programme menu.
2. Press the ► button and then ▲/▼ button to select **programme edit.**
3. Press the ► button to display the **Programme edit** menu.

```
PROGRAMME EDIT
0  S  44    5  C  08
1  C  02    6  C  10
2  S  44    7  C  12
3  S  45    8  C  21
4  C  05    9  C  34
   ● Delete  ● Copy
   ● Move    ● Skip
▲▼ ◄► OK MENU
```

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

Copying a programme
1. Select a programme to be copied with the ▲/▼ or ◄/► button.
2. Press the **GREEN** button.
   All the following programmes are shifted down one position.

Moving a programme
1. Select a programme to be moved with the ▲/▼ or ◄/► button.
2. Press the **YELLOW** button.
3. Move the programme to the desired programme number with the ▲/▼ or ◄/► button.
4. Press the **YELLOW** button again to release this function.

```
PROGRAMME EDIT
0  S  44    5  C  08
1  C  02    6  C  10
2  S  44    7  C  12
3  S  45    8  C  21
4  C  05    9  C  34
     ● Move off
▲▼ ◄► OK MENU
```
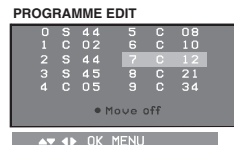
Skipping a programme number
1. Select a programme number to be skipped with the ▲/▼ or ◄/► button.
2. Press the **BLUE** button. The skipped programme turns to blue.
3. Press the **BLUE** button again to release the skipped programme.
   When a programme number is skipped it means that you will be unable 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. Skipped prog. No. appears **BLUE**.

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

Setting up TV stations

Programme

```
CH. Auto programme      ▶   ✓---  -----
    Manual programme    ▶        -----
    Programme edit      ▶   ---  -----
◀)) Favourite programme ▶   ---  -----
C                           ---  -----
                            ---  -----
                            ---  -----
◀▶ ▲▼ OK MENU
```

Favourite programme

This function lets you select your favourite programmes directly.

1. Press the **MENU** button and then ▲/▼ button to select the Programme menu
2. Press the ▶ button and then ▲/▼ button to select **Favourite Programme**.
3. Press the **OK** button to display the **Favourite Programme** menu.

Programme

```
CH. Auto programme      ▶   ---  -----
    Manual programme    ▶        -----
◀)) Programme edit      ▶   ---  -----
C   Favourite programme ▶   ---  -----
                            ---  -----
                            ---  -----
                            ---  -----
◀▶ 0-9 ▲▼ OK MENU
```

4. Press the ▲/▼ button to select -- ----.
5. Select a desired programme with the ◀/▶ button or **NUMBER** buttons. Any number under 10 is entered with a numeric '**00**' in front of it i.e **'005'** for 5.
6. To store another programme repeat steps 5 to 6.
   You can store up to 8 programmes.
7. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

Repeatedly press the **FAVOURITE KEY** button to select stored favourite programmes.

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

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.

Programme

```
0 S 44    5 C 08
1 C 02    6 C 10
2 S 44    7 C 12
3 S 45    8 C 21
4 C 05    9 C 34
▲▼ ◀▶ OK MENU
```

Note :
a. *You may find some programme numbers highlighted in blue colour. They have been set up to be skipped by auto programming or in the programme edit mode.*
b. *Some programmes with the channel number shown in the programme table indicated there is no station name assigned.*

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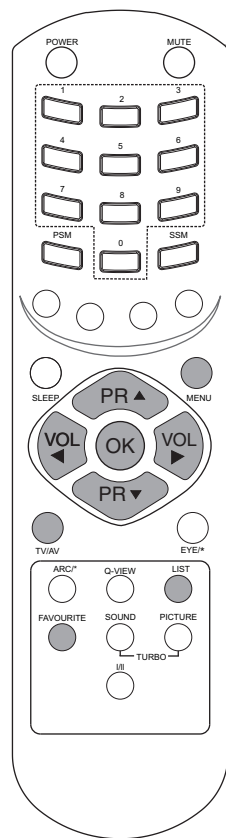Then press the **OK** button.
The set switches to the chosen programme number.

Paging through programme table
There are 10 (or 20) programme table pages which contain 100 (or 200) programmes.
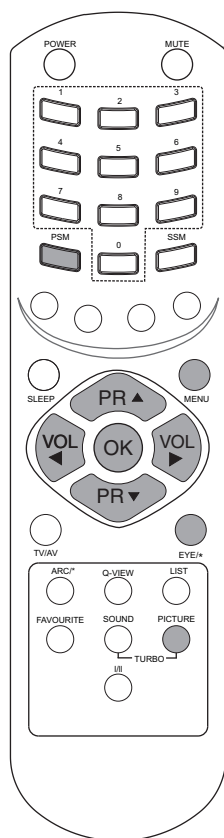pressing the ▲/▼ or ◀/▶ button repeatedly turns the pages.

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

Picture adjustment

Picture

```
[H.   P S M                    ►
      Contrast                 ►
      Brightness               ►
      Colour                   ►
      Sharpness                ►

      ▲▼ ◄► OK MENU
```

Picture adjustment

You can adjust picture PSM contrast, brightness, colour 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.
   Select **PSM** press ▲/▼ button to select **Dynamic, Standard, Mild, Game** or **User**.
3. Press the ◄/► button to make appropriate adjustments and press **OK,** then it will be stored for the picture **User.**
   User should be selected in **PSM.**

```
Contrast                    80
▮▮▮▮▮▮▮▮▮▮▮▮▮▮▮|||||||
```

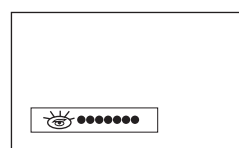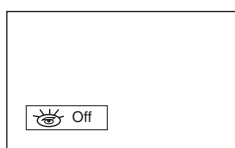4. Repeatedly press the **MENU** or ◄ button to return to normal TV viewing.

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.

Eye (option)

Eye is an optional function. Only a set with eye option can perform this function.
In some models, the set will automatically adjust the picture according to the surrounding conditions. This will enable you to enjoy the most suitable picture according to the surroundings.

Press the **EYE/*** button to switch the eye function **On** or **Off**.

```
┌──────────────┐   ┌──────────────┐
│              │   │              │
│              │   │              │
│  👁 Off       │   │  👁 ●●●●●●●   │
└──────────────┘   └──────────────┘
```

When the eye function is **On** the most suitable picture is automatically adjusted according to the surrounding conditions.
At this time the display •••••• in green does not appear continuously but the display •••••• in yellow appears each time the picture condition changes.

Note : *If you press the **PSM** or **TURBO PICTURE** button with the eye function, the eye function is automatically switched **Off**.*

Picture adjustment

Picture format

You can watch TV in various picture formats; Standard, Wide, Zoom. Repeatedly press the **ARC** button to select your desired picture format.

Standard (4:3)
This picture format is 4 : 3 of general TV.

Wide
You can enjoy the cinema (the picture format of 16:9) or general TV programme through the 16:9 mode.
The screen 16:9 is viewed just like that but the screen 4:3. is magnified to the upper/lower so that the screen 16:9 is full.

Zoom (14:9)
You can enjoy the cinema in a vast screen through the Zoom mode. The screen 4:3 is magnified to the upper/lower sides so that the screen 16:9 is full. The bottom and top of the picture may be lost.

Note :
a.   *When you switch the set to **Off**, the **Wide** or **Zoom** picture format is reset to the **Standard** (4:3).*
b.   *In the 1/2 size sub picture and vertical four sub pictures of PIP mode the picture format is not available.*
c.   *This menu will appear only in English.*

Turbo picture selection (option)
When this function is **On**, picture quality will be enhanced. Repeatedly press the **TURBO PICTURE** button to switch **On** or **Off**.
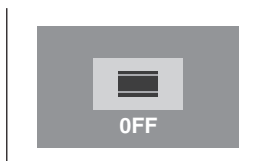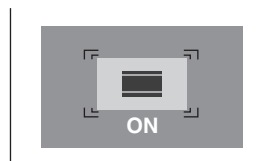
(Turbo Picture off)   **(Turbo Picture on)**

Note : *If you press the **PSM** or **EYE/∗** button with the Turbo picture function, the Turbo picture function is automatically switched **Off**.*

Sound adjustment

Sound

CH	SSM	▶
	AVL	▶
	Balance	▶
◀))	Woofer Volume	▶
⊙	FM Transmitter	▶
🗄		

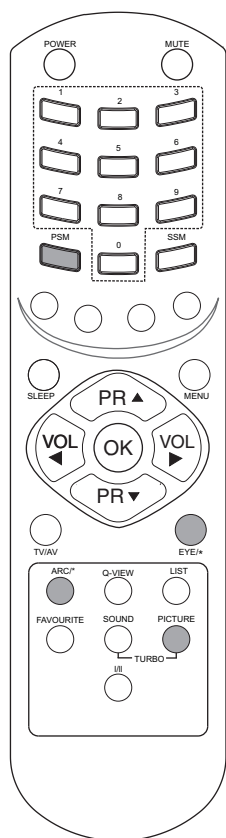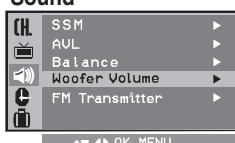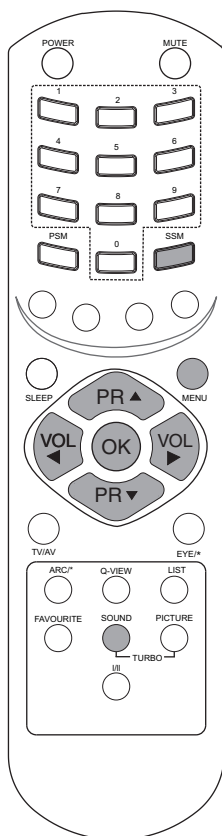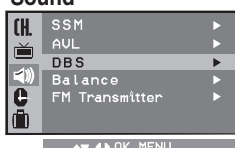▲▼ ◀▶ OK MENU

Sound

CH	SSM	▶
	AVL	▶
	DBS	▶
◀))	Balance	▶
⊙	FM Transmitter	▶
🗄		

▲▼ ◀▶ OK MENU

Sound adjustment

You can select your preferred sound setting: Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizers and balance.

If you switch DBS (option) to **On**, the set creates a dynamic bass sound.

In the FM transmitter (option), you can select a pre-selected frequency (106.7 to 107.9 Mhz) at which the TV audio shall be transmitted. This way you can enjoy sound of TV on your music system and customize it as per your choice. Please note this transmission is effective only till distance of 7 mtr. (provided no obstruction is there in between TV and the receiver). If the reception is not clear, you may switch reception in your receiver from STEREO to MONO for better sound quality.
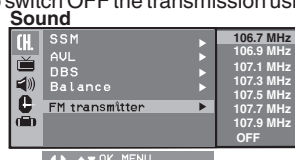
If you switch AVL to **On**, the set automatically keeps on an equal volume level even if you change programmes.

You can vary the woofer volume (option) to get woofer effect in sound with rich bass.

1. Press the **MENU** button and then ▲/▼ button to select the Sound menu
2. Press the ▶ button and then ◀/▶ button to select the desired sound item; **SSM**, **AVL**, **Balance, DBS, Woofer Volume** or **FM Transmitter.**
3. Press the ▲/▼, ◀/▶ button to make desired adjustment
   Press the ▶ button in **SSM** to set the **SSM User**.
   Press ▲/▼ to select **Flat**, **Music**, **Movie**, **Speech** or **User**.

0.1 0.5 1.5 5.0 10 KHz

▲▼ ◀▶ OK MENU

   a. Select **User** by pressing the ▶/**OK** button.
   b. Select a sound band by pressing the ◀/▶ button.
   c. Make appropriate sound level with the ▲/▼ button.
   d. Press the **OK** button to store it for the sound **User**. It will auto store.

4. Select **FM Transmitter**, using ▲/▼ keys
   a. Press ▶/OK button to go inside FM transmitter menu.
   b. Select the frequency at which you want to transmit TV audio (106.7 to 107.9 Mhz) using ▲/▼ keys.
   c. Select OFF to switch OFF the transmission using ▲/▼ keys.

Sound

CH	SSM	▶	**106.7 MHz**
📺	AVL	▶	106.9 MHz
	DBS	▶	107.1 MHz
◀))	Balance	▶	107.3 MHz
⊙	FM transmitter	▶	107.5 MHz
🗄			107.7 MHz
			107.9 MHz
			OFF

◀▶ ▲▼ OK MENU

5. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.
6. Match the TV's frequency & the FM receiver's.

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

Notes : *If you press the **SSM** button after making appropriate adjustment in Sound menu, the display **User** automatically appears even through you have already set a factory preset setting, **Flat**, **Music**, **Movie** or **Speech**.*

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Sound adjustment
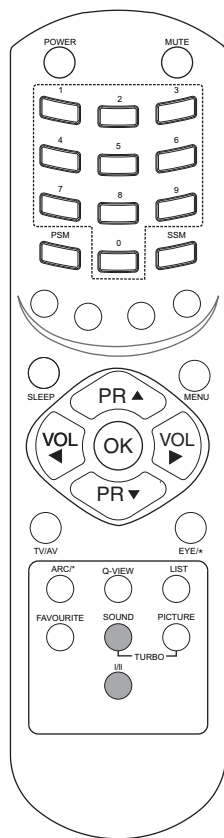
Turbo sound selection (option)
When this function is **On**, it will give surround effect as well as loudness will be increased.
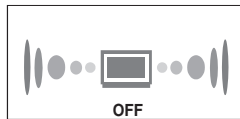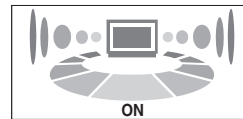Repeatedly press the **TURBO SOUND** button to switch **On** or **Off**.

(Turbo Sound off)   **(Turbo Sound on)**

Stereo/Dual reception (option)
Stereo/dual is an optional function.
When a programme is selected, the sound information for the station appears after the programme 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 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.

NICAM reception (option)
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**. When **FM MONO** is selected the display **MONO** appears on the screen.

Sound output selection
In **AV** mode, you can select output sound for the left and right

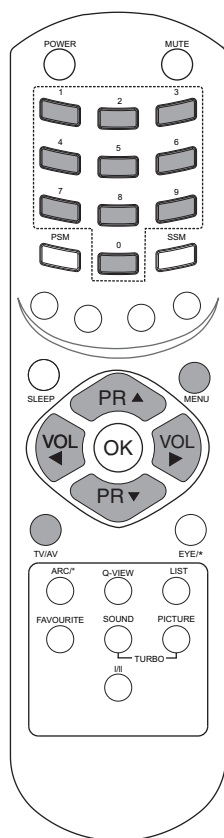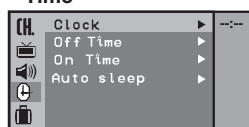Repeatedly press the **I/II** button to select the sound output.

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 loudspeakers.

Timing setting

Time

```
┌─────────────────────────┐
│ CH.  Clock         ▶  --:-- │
│      Off Time      ▶       │
│      On  Time      ▶       │
│ ◀))  Auto sleep    ▶       │
│ ⏱                         │
│ 📋                         │
└─────────────────────────┘
    ▲▼◀▶  OK  MENU
```

Time Setting

Time

The time uses 24-hour system and must be set to the correct time before operating the set.

1. Press the **MENU** button and then▲/▼button to select the Time menu.
2. Press the ▶button and then▲/▼ button to select Time.
3. Select and adjust hour and minute by pressing the◀/▶, ▲/▼ buttons.
4. Repeatedly press the MENU or◀ button to return to normal TV viewing.

On/Off Time

By using this function in **On** mode the set automatically switches on or off at a preset time. You must set the time correctly before using **On**/**Off** time function.

Off Time

1. Press the **MENU** button and then ▲/▼,▲/▼ button to select the Time menu.
2. Press the ▶button and then ▲/▼ button to select **Off Time**.
3. Press **OK**
4. Press the ◀/▶ button to select **Off Time On** or **Off**.
5. Press the ▼ button.
6. Select and adjust hour and minute by pressing the◀/▶, ▲/▼button.
7. Repeatedly press the **MENU** or ◀ button to return to normal viewing.

On Time

1. Press the **MENU** button and then ▲/▼ button to select the Time menu.
2. Press the ▶button and then ▲/▼button to select **On Time**.
3. Press **OK**
4. Press the ◀/▶button to select **On Time On** or **Off**
5. Press the ▼ button.
6. Select and adjust hour and minute by pressing the ◀/▶, ▲/▼ button.

On Programme number / On Volume

By using this function the set automatically switches on at a preset Programme on a preset volume level.

1. Repeat steps 1 to 3 for On Time.
2. Press the ◀/▶ button to select On Programme / On Volume.
3. Select and adjust Program number by pressing▲/▼ buttons or number buttons. Select and adjust Volume by pressing the ▲/▼ buttons.
4. Repeatedly press the **MENU** or ◀ button to return to normal viewing.

Auto sleep

If you select **Auto Sleep On** the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops Broadcasting.
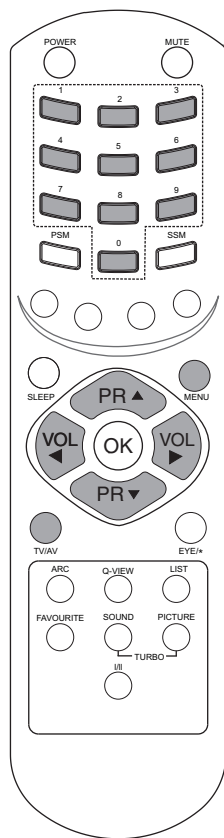
1. Press the **MENU** button and then ▲/▼ button. to select the Time menu.
2. Press the ▶ button and then▲/▼ button to select **Auto Sleep**.
3. Press the ◀/▶button to select **On**.
4. Repeatedly press the **MENU** or◀ button to return to normal TV viewing.

Note :
a. *This function works only in standby mode.*
b. *To cancel the set* **On/Off** *time, set the* **On/Off** *timer to* **--:--**.
c   *To view the remaining* **On/Off** *time select the Time menu*
d. *When you switch the main power* **Off**, *the* **Time** *is reset and the* **On/Off time** *is* **Off**.
e. *Timer accuracy is ± 15 sec.*

Other functions

Special

```
CH.  Language         ▶
     Input            ▶
□    Child lock       ▶
     Blue back        ▶
◀))  Tilt             ▶
C    Colour degauss   ▶
□    Game             ▶

     ▲▼◀▶ OK MENU
```

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 **OK** button.
   All the on screen displays will appear in the selected language
4. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

TV and AV modes (option)

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 **Input.**
3. Press the ◀/▶ button to select **TV, AV1, AV2** (option)**, AV3** (option) or **S-Video** (option)**, Component** (option).
   The AV modes are :
   AV 1 : VCR connected to the Euro scart socket or phone jack of the set.
   AV 2 : VCR connected to the phone jack of the set.
   AV3 : VCR connected to the **AV3** (option) sockets of the set.
   S-Video : S-VIDEO VCR connected to the **S-VIDEO** (option) sockets of the set (option).
   COMPONENT : **COMPONENT** connected to the **COMPONENT INPUT** socket on the set (option).

To return to TV mode, press the ▲/▼ or NUMBER buttons.
Alternatively you can select the TV or AV mode by pressing the **TV/AV** button.

Auto AV switching (option)

If your VCR outputs switching voltage when it is switched to playback with the VCR connected to the Euro scart socket, the set is automatically switched to **AV 1** mode when on AV signal is input. But if you want to keep on watching TV mode, press the ▲/▼ or **Number** buttons.
Press the **TV/AV** button to return to AV modes.

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 on the remote control handset to select **On.**
4. Repeatedly press the **MENU** or ◀ 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.*

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Other functions

Special

```
CH.     Language        ▶
        Input           ▶
        Child lock      ▶
📺       Blue back       ▶
🔊       Tilt            ▶
C       Colour degauss  ▶
        Game            ▶

▲▼◀▶ OK MENU
```

Blue back

If you select **Blue back On**, the blue background appears on the screen when there is no or poor signal.
1. Press the **MENU** button and then ▲/▼ button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select **Blue back**.
3. Press the ▲/▼ button to select **On** or **Off**.
4. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

Tilt (option)

The TV picture may tilt to the left or right if the TV set moves to another position. This function can be used to compensate the **Tilt**.
1. Press the **MENU** button and then ▲/▼ button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select **Tilt**.
3. Press the ◀/▶ button to adjust the **Tilt**.
4. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

Degaussing (option)

Owing to the super large Braun Tube in the set, the magnetic field of the earth may influence on the colour purity of picture by neighbor magnetic substance or installation direction of the set. The stripes may appear on the screen or the colour may not be equal in the corner. You can enjoy the programme in high colour quality by operating the Degaussing.

1. Press the **MENU** button and then ▲/▼ button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select **Colour degauss.**
3. Press the ◀/▶ button to select **On**. After the degauss function works, **On** mode switches to **Off** mode.
4. Repeatedly press the **MENU** or ◀ button to return to normal TV viewing.

Note : *If you cannot adjust the screen condition by degaussing, try it again after about 4 minutes.*
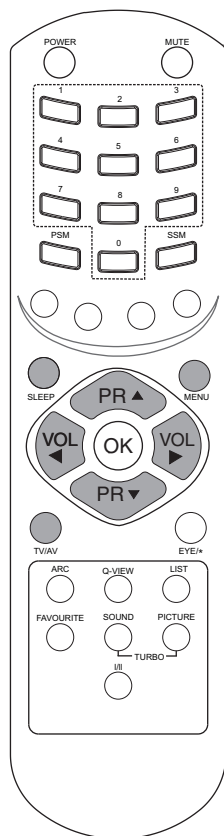
Sleep timer

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 elapses.
Press the **SLEEP** button to select the number of minutes. The display ⏻ **0** 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.
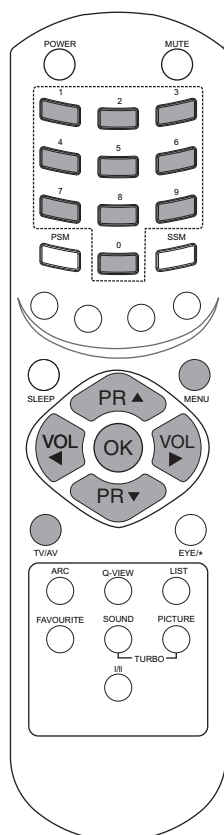
Note :
a. *To view the remaining sleep time, press the **SLEEP** button once.*
b. *To cancel the sleep time, repeatedly press the **SLEEP** button until the display ⏻ **0** appears.*
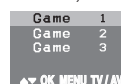c. *When you switch the set **Off**, the set releases the preset sleep time.*
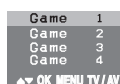
Other functions

Special

CH.	Language	▶
	Input	▶
	Child lock	▶
	Blue back	▶
	Tilt	▶
	Colour degauss	▶
	Game	▶

▲▼ ◀▶   MENU

LG Game (option)
1. Press the **MENU** button and then ▲/▼ button to select the special menu.
2. Press ▶ button the and then ▲/▼ button to select **Game**.
3. Press ▶ button to enter game mode.
4. Press the ▲/▼ button to select the game mode, then press the **OK** button.

Game   1
Game   2
Game   3
Game   4
▲▼ OK MENU TV / AV

MC-049A

Game   1
Game   2
Game   3
▲▼ OK MENU TV / AV

MC-049B/C

a) LG reach (option)
5. Press ▲/▼ button to select the dice.
6. Press **OK** button to get the random number. If the random number is positive, the yellow pawn will move forward by that number of position. If it is negative the yellow pawn will move backwards by that number of position.
7. Press **MENU** button to exit.

b) Jumble numbers (option)
5. Press the ▲/▼ , ◀/▶ button that moves the corresponding number to the blank space.
6. Arrange the numbers in the sequence from 1-8 either from left to right or top to bottom to win the game.
7. Press **MENU** button to exit.

c) Brainvita (option)
1. Select any pebble two positions from the hole (using ◀▲▼▶)
2. Press **OK** button to lock the pebble.
3. Colour of pebble changes to blue.
4. Come back to the original hole/position using ◀▲▼▶ .
5. Press **OK** button**.** Two holes are created along the path and in the original hole pebble is placed.
6. Repeat the above procedure for other pebbles.
7. Press **MENU** button to exit.

d) Jumble characters (option)
1. Press ▲/▼ , ◀/▶ button to select any character.
2. Press **OK** to select the character colour of the character change to white
3. Press ▲/▼ , ◀/▶ button to interchange that character with other characters available on the screen to make any sequence.
4. Follow the same procedure to select other characters.
5. Press **MENU** button to exit.

e) Space fighter (option)
1. Press ▲ to shoot the space bugs. Press ◀/▶ to move the space craft to left /right. To kill the bug, shoot at center. If you kill all the bugs in given time. You can go to the next level by pressing OK button. Game can be paused and resumed by pressing the **RED** key. After game is over, press **RED** key to restart or MENU key exit.

Other functions

Game Pack (option)

1. You can enjoy 16 high graphic games with sound.
2. Play the game with game remote provided with TV set.
3 For details please refer to game manual.

Note : *When game is switched on,* ***PIP*** *will turn* ***Off.***

(option)

Remote control for game (option)
This remote control is optional supply.
If it's supplied to you, use it when playing the game.
POWER : switches the set **On** from standby or **Off** to standby.
MENU : display game menu and exit game mode.
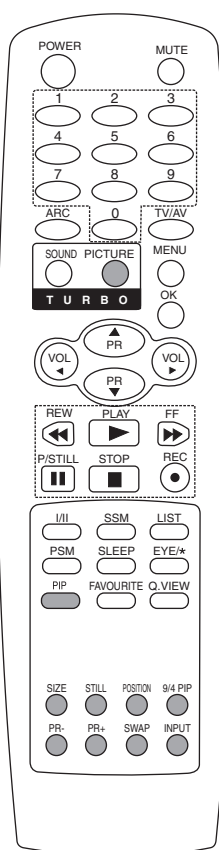**RED KEY** : to return to game main Index page
GREEN KEY : to use special command or to pause the game.
PR ▲/▼ /VOL ◄/► /OK ■ : controls the game in the same way as main remote does.

Note:
1. Some of the Game Remote Keys works in the same way as main remote works.
2. Press the ***TV/AV*** *or* ***MENU*** *button to return to the normal TV viewing.*

PIP operation (option)

Option :

PIP is an optional function, so that only the set with PIP function can operate.
PIP (Picture in Picture) displays a picture within a picture.

On and Off

Press the **PIP** button to switch on the sub pictures.
Press this button again to switch it **Off**.

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 at the left upper side of sub picture.

→ Programme number → **AV1** → **AV2** (option) → **AV3** (option) → **S-VIDEO** (option) ⌐

Swapping between main and sub pictures

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

Programme selection for sub picture (option)

In case of 1T-PIP (option) when the main picture is in AV mode and sub picture in TV mode; Press **PR**+/- (RED and GREEN key) for sub picture programme selection.
In case 2T-PIP (option), when the main picture is in TV/AV mode and sub picture is in TV mode, Press **PR**+/- (RED and GREEN key) for sub picture selection.

Sub picture size

Repeatedly press the **SIZE** button to select the desired sub picture size. The sub picture appears as below.

→ 1/16 size of the main picture → 1/4 size → 1/2 size ⌐

Note : *When the sub picture size is 1/2 of the main picture, the picture quality might get poor.*

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.

9 or 4 sub picture

Press the **9/4 PIP** button repeatedly to select 9 or 4 sub pictures.

Note : *When PIP is On, coloured buttons are used for PIP operation like PIP programme UP/DOWN, SWAP and PIP input (option)***.**

Connection of external equipment
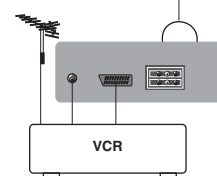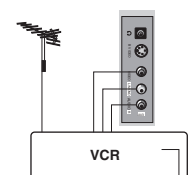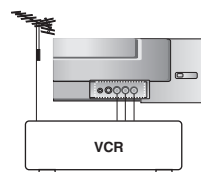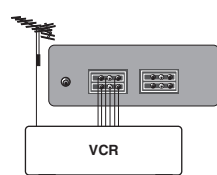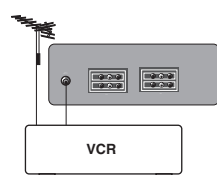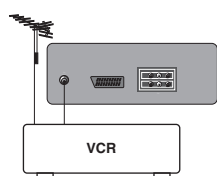
You can connect additional equipment, such as VCRs, camcorders etc. to your set.
Here shown may be some what different from your set.

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 the programme number 0 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.

Audio / Video in / out sockets (option)

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

   You can also record programme received by the TV on video tape via audio/video out sockets.

Euro scart socket (option)

1. Connect the Euro scart socket of the VCR to the Euro scart socket of the set.
2. Press the **PLAY** button on the VCR.
   If your VCR outputs a switching voltage when connected to Euro scart socket, the set will switch to **AV 1** mode automatically. But if you want to keep on watching TV mode, press the ▲/▼ or NUMBER buttons.

   Otherwise press the **TV/AV** button on the remote control handset to select **AV1**. The VCR playback picture appears on the screen.
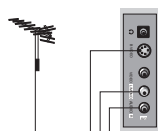
   You can also record programme received by the TV on video tape.

Note : *Signal type RGB, i.e. the signals red, green and blue can only be selected for the Euro scart socket, These signals are transmitted, for example, by a pay TV decoder, game machine or photo CD unit, etc.*

Connection of external equipment

S-video / Audio in sockets (S-AV) (option)

When connecting an S-VIDEO 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 S-VIDEO VCR to the AUDIO sockets of the set.
3. Select **S-VIDEO** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

Component in sockets (option)

1. Connect the COMPONENT video output sockets (Y C_b Cr/ Y P_b P_r) of the COMPONENT to the COMPONENT INPUT sockets (Y P_b P_b) on the set.
2. Connect the audio cable from the COMPONENT to AUDIO IN socket of **AV2**.
3. Press the **TV/AV** button to select COMPONENT.
4. Press the **PLAY** button on the COMPONENT.
   The COMPONENT playback picture appears on the screen.

Headphone socket (option)

Some models which have a headphone socket can perform this function.
Insert the headphone plug to the headphone socket of the set. You can listen to the sound through the headphone. In this case main speaker sound will cut off. In woofer models when you plug headphone, woofer speaker is **On**. Reduce woofer volume to zero from menu.

If you press the **MUTE** button, the sound from the headphone is switched **Off**.
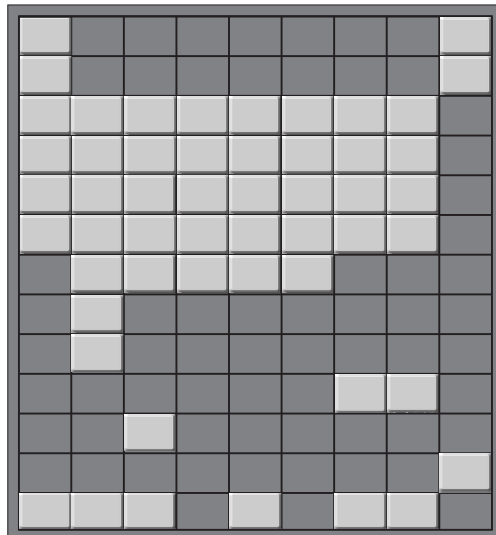
S-VIDEO VCR

S-VIDEO VCR

COMPONENT

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
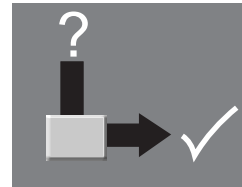
Check following items and try to adjust these

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)

NOTE :
i)   Colour patch might appear in your TV set if you rotate or shift the position of the set while it is on or in standby mode. If patch appears in your TV set try the following before calling your service centre or dealer. Place the TV set in desired position and switch it off by the main power switch. Allow the set to cool down for at least 30 minutes and then switch it on. The degaussing circuit (inbuilt) in your set will remove the patch automatically. Please call service only in case this operation does not help.
ii) In case of no sound on all channels, check for system. It should be 'BG' for India. In case of some other system select 'BG' and do Auto Programming.
iii) When the TV set is switched OFF in Standby mode, It may take some time (upto 15 second) for the LED to switch OFF.

LG Electronics