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-019E

P/No. : 38289U0513A (Rev. No. 03)

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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 external 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

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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. Therefore,

- 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.

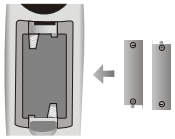
On Repacking

- 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.

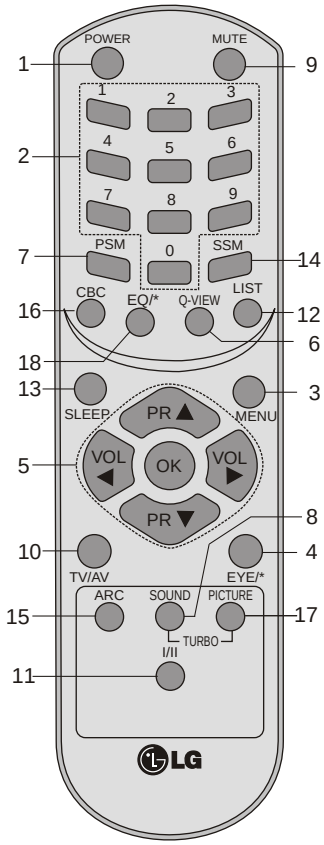
Battery installation

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 (⊕ and ⊖) marked inside the compartment.



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

Location and function of controls



(For Stereo Models)

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

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

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

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

3. **MENU**
   selects a menu.

4. **EYE/* (option)**
   switches the eye function On or Off.

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

6. **Q. VIEW**
   returns to the previously viewed programme.

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

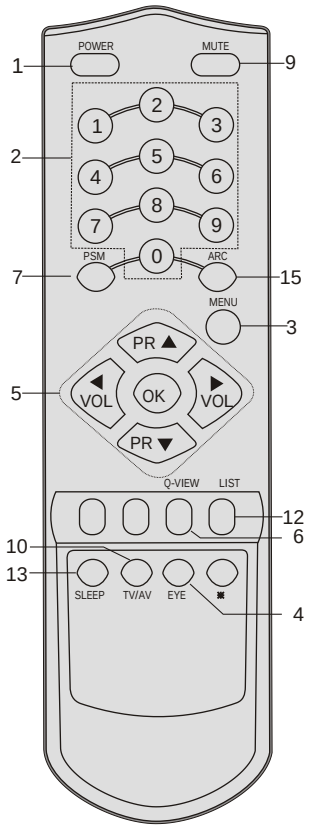
8. **TURBO SOUND (option)**
   selects TURBO SOUND (On/Off).

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

10. **TV/AV**
    selects TV or AV mode.
    clears the menu / text from the screen. switches the set on from Standby.

11. **I/II/* (option)**
    selects the language during dual language broadcast (option).
    Selects the sound output.

Location and function of controls



(For Mono Models)

12. LIST
displays the programme table.
press **TV/AV** to clear the LIST table from the screen.

13. SLEEP
sets the sleep timer.

14. SSM (option) (Sound status Memory)
recalls your preferred sound setting.

15. ARC (option)
change picture format (zoom/wide/standard)**.**

16. CBC/ (option)(Calibrated bass control)
Desired bass can be adjusted.

17. TURBO PICTURE (option)
Selects Turbo picture.

18. Equalizer /* (option)
direct access key for equalizer.

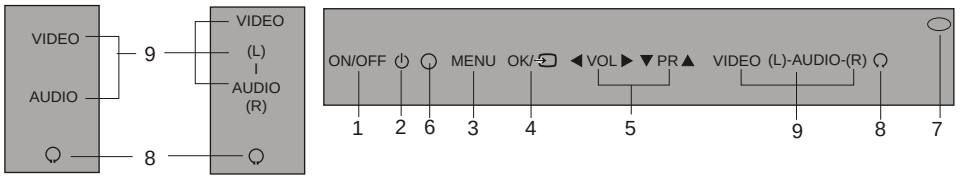
COLOURED BUTTONS : When Menu is On some of these buttons are used for programme edit/game.

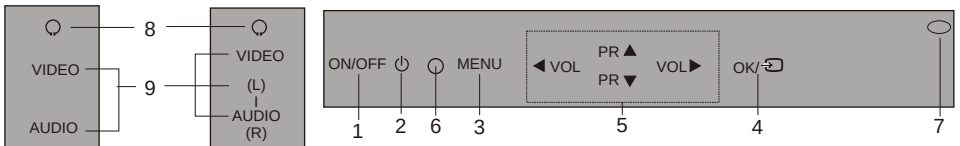
Remarks *:*
1. Some keys in remote can be non-functional, these keys are use in other models.
*2. Keys marked * are non functional.*

Location and function of controls

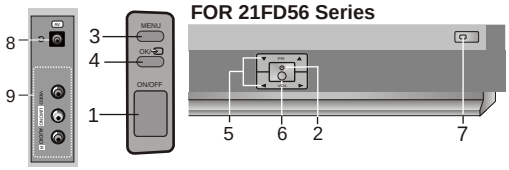
FRONT PANEL / SIDE PANEL

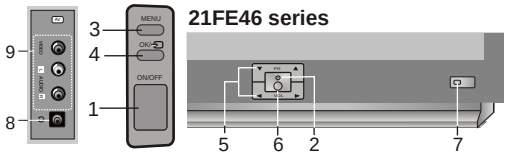
Shown below is a simplified representation of front or side panel, here shown may be somewhat different from your set.

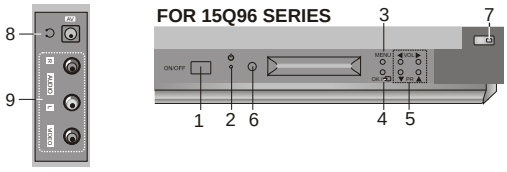




(Side Panel)







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 and blinks when signal is input from the remote control or front panel key is pressed.

3. **MENU**
   selects a menu.

4. **OK /**
   It accepts your selectionwhen it is in menu. Otherwise it selects input (TV or AV)

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 others, they'll be not able to function)

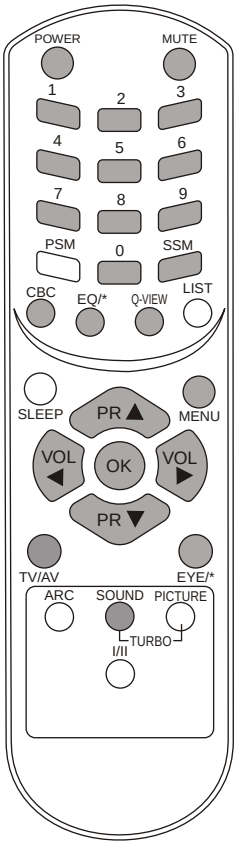
7. **EYE (option)**
   adjusts picture according to the surrounding conditions.

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

9. **AUDIO/VIDEO IN SOCKETS (AV) (option)**
   Connect the audio/video out sockets of external equipment to these sockets.

***Note** : a. If audio input is only L or R select L+L or R+R through **I/II/** * key on Remote control.*
b. Front AV and rear AV not to be used Simultaneously.

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.

***Note** : while the set is switched On and mains plug is disconnected, if mains plugged again then set will switch to standby or power On.*

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

Mute function

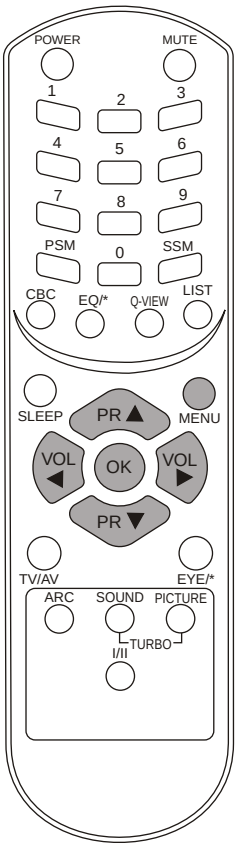
Press the **MUTE** button. The sound is switched Off and the display 🔇 appears.

You can cancel it by pressing the **MUTE**, ◄/► , **SSM**, **TURBO SOUND, EQUALIZER** and **CBC** button.

On screen language selection (option)
The menu can be displayed on the screen in desired language. First select your language.

1. Repeatedly press the **Menu** button to select the special menu.
2. Press the ► button after selecting language by pressing ▲/▼ button.
3. Press the ▲/▼ button to selects the desired language. All the on screen display will appear in the selected language.
4. Press the **TV/AV** 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.

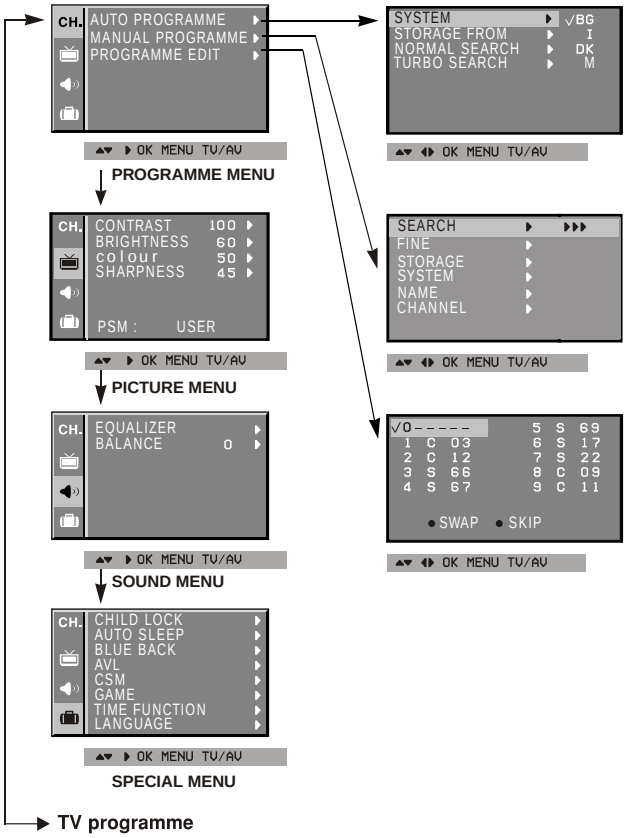
Menu selection

1. Repeatedly press the **MENU** button to display each menu.
2. Press the ► button and then ▲/▼ 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 **OK** button and to move to the lower level menu press the ► button.

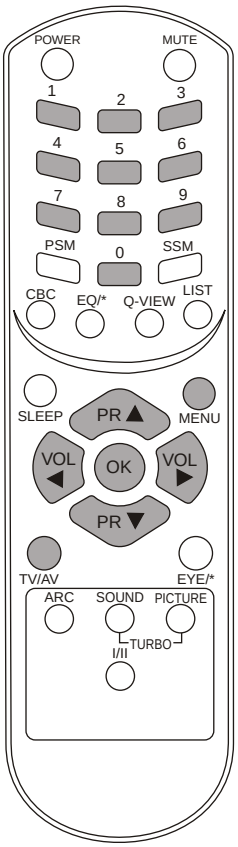
Note :

*a. In the **AV** mode the Programme menu is not displayed.*
b. In mono models the Sound menu does not appear.



Setting up TV stations

PROGRAMME MENU



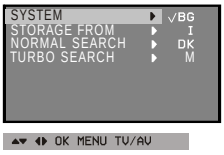
Up to 200 programmes can be stored by programme numbers (0 to199). Once you have preset the stations you will be able to use the ▲/▼ or NUMBER buttons to scan the stations you programmed. Programmes can be tuned using automatic or manual modes.

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

Auto programme tuning

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

1. Repeatedly press the **MENU** 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.

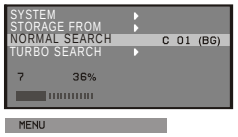


4. Press the ▲/▼ button to select System**.** Select a TV system with the button on the System ▲/▼ pull-down menu;
   BG **:** (India/New Zealand/M.East/Africa/Australia)
   I **:** (Hong Kong/South Africa)
   DK **:** (East Europe/China/Africa/CIS)
   M : (USA/Korea/Philippines)
5. Press the ▲/▼ button to select Storage from**.**
6. Select the beginning programme number with the ◄/►button or NUMBER buttons on the Storage from pull-down menu. Any number under 10 is entered with a numeric '00' in front of it, i.e. '005' for 5.
7. Press the ▲/▼ button to select Normal or Turbo search**.**

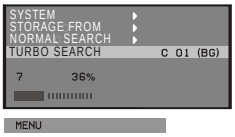
***Note** : a. Turbo search is further faster than Normal Search and in some models, these searches will automatically store all receivable stations.*

b. If the programmed station has poor quality sound, select the system again in the Manual programme menu.

c. In some models, M system will not display



(Normal search)

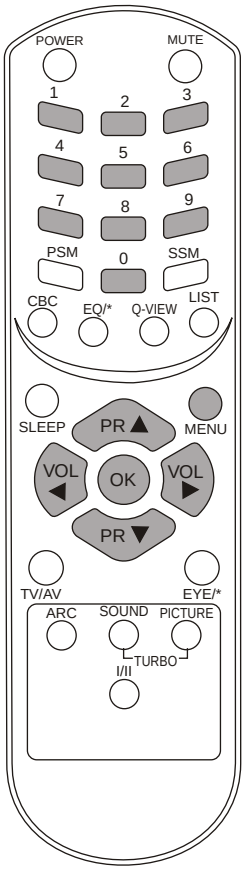


(Turbo search)

8. Press the ► button to begin auto programming.
   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. Press the **TV/AV** button to return to normal **TV** viewing.

Setting up TV stations

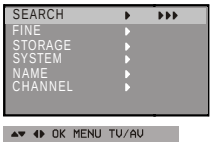
PROGRAMME MENU



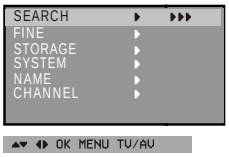
Manual programme tuning

Manual programme offer you to manually tune and arrange the programme in whatever order you desire. Also you can assign a programme name with five characters to each.

1. Press the **MENU** button and 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.



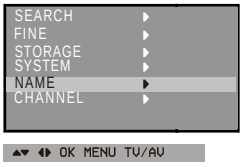
4. Press the ▲/▼ button to select Search. Press the ◀/▶ button to commence searching on the Search pull-down menu. If a programme is found the search will stop. Press **OK** button to store the programme. If programme reception is poor go for fine tunning.
5. If this station is the one required, press the ▲/▼ button to select Storage. Select the desired programme number (0 to 199) with the ◀/▶ button or NUMBER buttons on the Storage. pull-down menu. Any number under 10 is entered with a numeric '00' in front of it, i.e. '005' for 5. Press **OK** button to store theprogramme.
6. Press the ▲/▼ button to select System. Select a TV system with the ▲/▼ button on the System pull-down menu;
   BG : (India/New Zealand/M.East/Africa/Australia)
   I : (Hong Kong/South Africa)
   DK : (East Europe/China/Africa/CIS)
   M : (USA/Korea/Philippines) (option)
7. Press the ▲/▼ button to select Channel. Press the ▲/▼ button to select V/UHF or Cable on the Channel pull-down menu.
   If possible, select the channel number 1 to 69 (V/UHF) and 1 to 47 (cable) directly with the number buttons, Any number under 10 is entered with a numeric '0' in front of it i.e. '05 'for 5 .
8. Press the **OK** button to store it. The display Stored will appear.

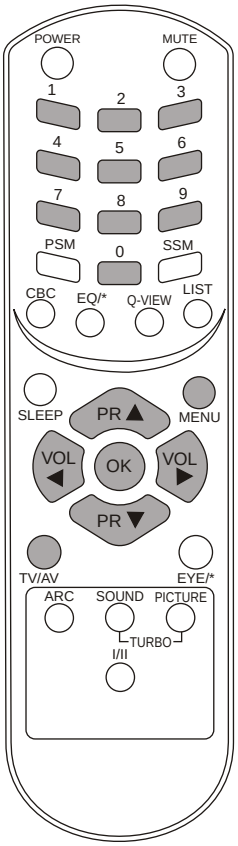


9. To store another station, repeat steps 4 &5.

Setting up TV stations

PROGRAMME MENU





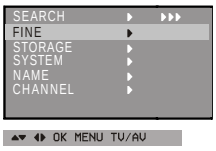
Assigning a programme name

1. Repeat the 'Manual programme tuning' steps 1 to 3.
2. Press the ▲/▼ button to select Name.
3. Press the ▲ button on the Name pull-down menu. 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, then press **OK** button.
5. Repeat the 'Manual programme tuning' steps 5 to 8.

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 to fine tune for the best picture and sound on the Fine pull-down menu, then press **OK** button to store the setting.



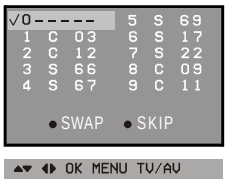
4. Press the TV/AV button to return to normal TV viewing.
5. Change of " ►►►" from Yellow to red indicates tuning is proper.

Programme edit

This function enables you to swap or skip the stored programmes.

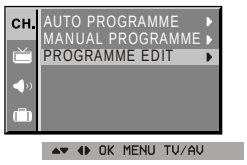
1. Repeatedly press the **MENU** button to select the programme menu.
2. Press the ▶ button and then ▲/▼ button to select programme edit.
3. Press the ▶ button to display the programme edit menu.

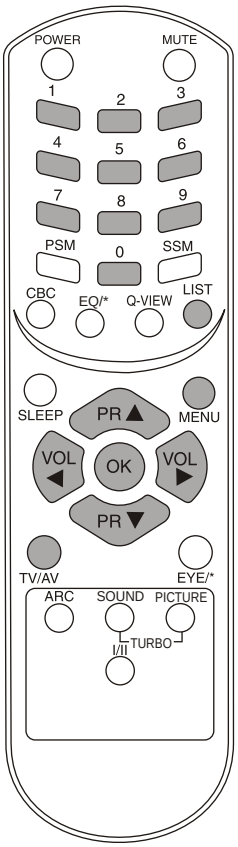
PROGRAMME MENU



Setting up TV stations

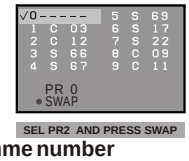
PROGRAMME MENU





Swapping programme

1. Select a programme to be swapped by pressing ▲/▼ or ◄/► button.
2. Press the **YELLOW** button.
3. Select a second programme to be swapped by pressing ▲/▼ or ◄/► button.
4. Press yellow (Swap) key to interchange the programme.



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.

Press the **TV/AV** button to return to normal TV viewing.

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 follow.

Note :

a. You may find some blue programmes. They have been set up to be skipped by auto programming or in the programme edit mode.

b. Some programmes with the programme *number shown in the programme table indicate there is no programme name assigned.*

Selecting a programme in the programme table

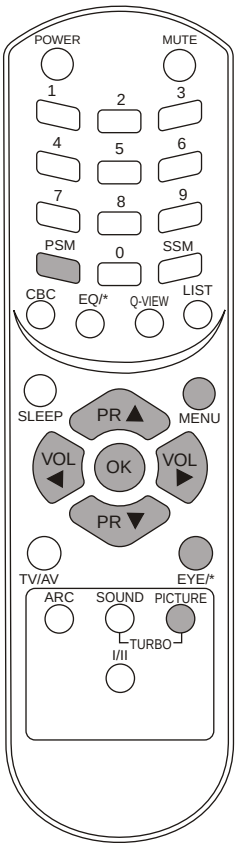
Select a programme with the ▲/▼ or ◄/► button.
Then press the **OK** button.
The set switches to the chosen programme number.

Paging through a programme table

There are 20 programme table pages in which contain 200 programmes.
Pressing the ▲/▼ or ◄/► button repeatedly turns the pages.
Press the **TV/AV** button to return to normal TV viewing.

Picture adjustment

PROGRAMME MENU



PSM (Picture Status Memory)

1. Press the PSM button on the remote to change for desired PSM setting.

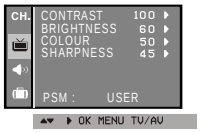
Note: *PSM status change to user automatically when contrast, brightness, colour and sharpness set manually.*

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

Picture adjustment

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

1. Repeatedly press the **MENU** button to select the Picture menu.
2. Press the ▶ button and then ▲/▼ button to select Contrast, Brightness, Colour, Sharpness or Tint.



3. Press the◀/▶ button to make appropriate adjustments on each sub menu.

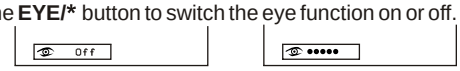
   You can also select User or standard PSM setting by directly pressing PSM button.

4. Press the **OK** button to store it for the picture User.
5. Press the **TV/AV** button to return to normal TV viewing.

Eye (option)

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.



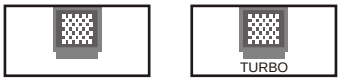
When the eye function is On, the most suitable picture is automatically adjusted according to the surrounding conditions.
At this time the display ••••••• in green does not appear continuously but the display ••••••• in yellow appears each time the picture condition changes.

Note *: If PSM or TURBO PICTURE key is pressed or any of the picture setting are varied, then* ***EYE*** *automatically switches off.*

Turbo picture selection (option)

When this function is **On**, picture will be more brilliant and distinct picture then normal picture. You can enjoy the Turbo picture so much better then normal picture.

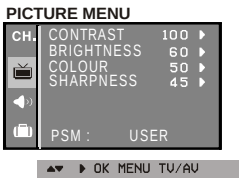
Repeatedly press the TURBO PICTURE button to switch on or off.



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

Picture adjustment

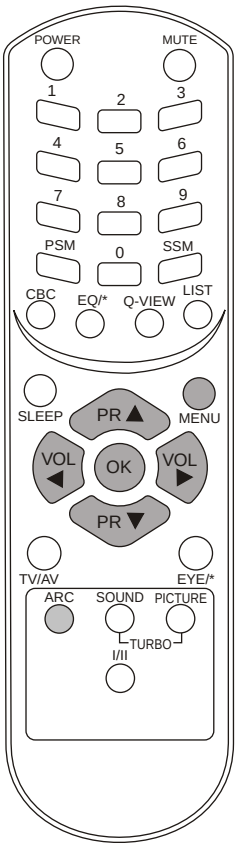
PICTURE MENU



ARC (Aspect Ratio Control)

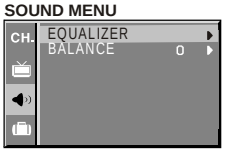
You can watch TV in various picture formats; Standard, Wide, Zoom. Repeatedly press the **ARC** button to select your desired picture format.

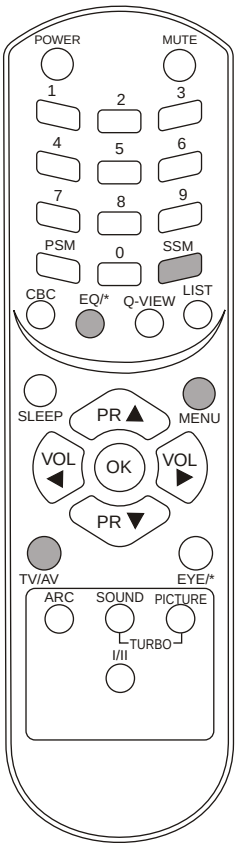
Note :*When you switch the set to standby or Off, the wide or Zoom picture format is reset to the Standard (4:3).*



Sound adjustment (option)

SOUND MENU



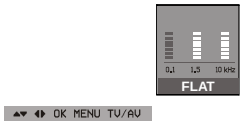


SSM (Sound Status Memory)

You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer by pressing SSM button.

Sound frequency adjustment (Equalizer)

a. After selecting the equalizer of sound menu press ▶ button to display the equalizer.
b. Press the SSM button to select the different sound mode.
c. User can manually select desired frequency by pressing ◀/▶ Button and set it to the desired level by pressing ▲/▼.
d. Press the **OK** button to save it.



Press the **TV/AV** button to return to normal TV viewing.
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.

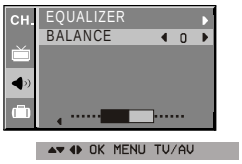
EQUALIZER KEY

Equalizer MENU can be accessed with this direct key.

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

Sound adjustment (option)

SOUND MENU

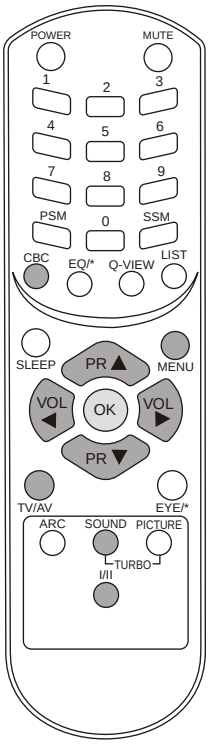


Balance adjustment

You can adjust balance.

1. **P**ress the **MENU** button to select the Sound menu.
2. Press the ► button and then ▲/▼ button to select Balance.
3. Make desired adjustment with the ◄/►on the Balance pull-down menu.

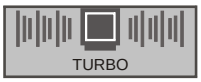
4. Press the **TV/AV** button to return to normal TV viewing.



TURBO SOUND (option)

When this function is On, sound will be more emphasized and amplified sound than normal sound. You can enjoy the TURBO SOUND so much better than normal Sound.
Repeatedly press the TURBO SOUND button to switch On or Off.

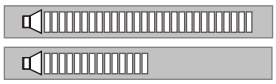
(Turbo Sound Effect Off)



(Turbo Sound Effect On)

CBC (Calibrated Bass Control) (Option)

By using this function you can adjust the desired bass level.



Sound output selection

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

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

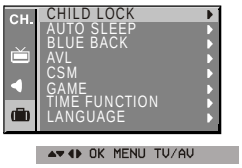
L+R : Audio signal from audio L input is sent to left loudspeaker and audio signal from audio R input is sent to right loudspeaker.

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.

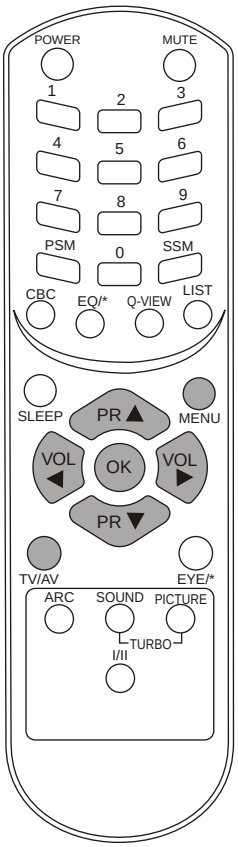
Other functions

SPECIAL MENU



Auto AV switching (option)
When your VCR outputs is connected to Euro scart socket and VCR switch to playback, then set is automatically switched to AV mode when an 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 mode.



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

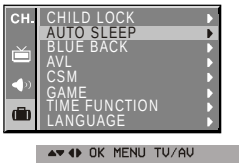
1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ► button and then ▲/▼ button to select Child lock.
3. Press the ▲/▼ button to select On or Off on the Child lock pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

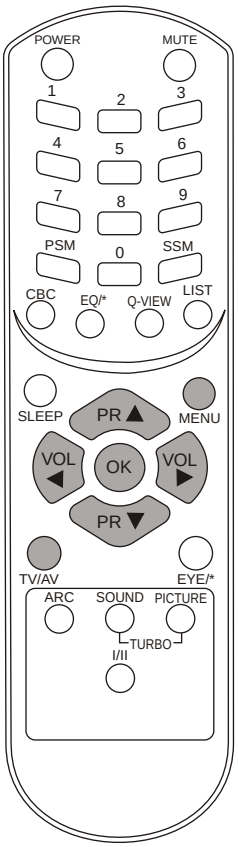
When the child lock is On, the display Child lock on appears on the screen (if any button on the front panel is pressed while viewing the TV).

Note : *i) The display Child lock on will not appear on the screen if any button on the front panel is pressed while displaying the menus.*
ii) In some models, the LANGUAGE will not display.

Other functions

SPECIAL MENU





Auto sleep

If you select On in the Auto sleep pull-down menu, the set will automatically switch itself to standby mode approximately ten minutes after a TV station stops broadcasting.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select Auto sleep.
3. Press the ▲/▼ button to select On or Off on the Auto sleep pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

Blue back

If you select On in the Blue back pull-down menu, the blue background appears on the screen when there is no signal or poor signal.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select Blueback.
3. Press the ▲/▼ button to select On or Off on the Blue back pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

Note : *a. The blue background automatically appears on the screen when there is no signal in TV mode.*
b. If any OSD appears on screen, blue back will go Off.

AVL (Auto Volume Leveler)

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

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select AVL.
3. Press the ▲/▼ button to select On or Off on the AVL. Pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

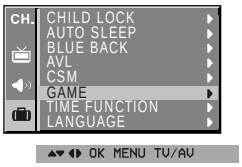
CSM (Colour Status Memory)

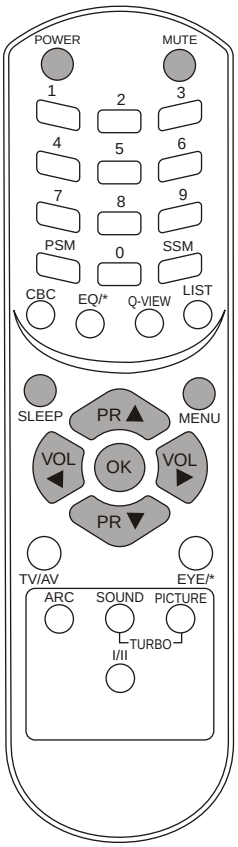
You can select the picture colour status; standard, reddish, greenish or bluish, as you prefer.

1. Repeatedly press the **MENU** button to select the Special menu.
2. Press the ▶ button and then ▲/▼ button to select CSM.
3. Press the ▲/▼ button to select Standard, Reddish, Greenish or Bluish on the CSM pull-down menu.
4. Press the **TV/AV** button to return to normal TV viewing.

Other functions

SPECIAL MENU





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 ⏻ --:-- will appear on the screen, followed by 00:10, 00:20, 00:30, 01:00, 01:30, 02:00, 03:00 and 04:00. 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 ⏻ --:-- appears.*
c. When you switch the set off, the set releases the preset sleep time.

Game (option)

1. Repeatedly press the **MENU** button to select the Special menu
2. Press the ► button and then ▲/▼ button to select Game.
3. Press the ► button to enter the game mode.

Space Fighter (Option)

Press the ▲ button 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 next level by pressing **OK** button. Game can be paused and resumed by pressing the **RED** key. After game over press **RED** key to restart or **MENU** key to exit .

Note :

*a. Press the **MENU** button to return to the normal TV viewing.*
b. Game can be played only by the remote control.

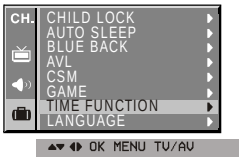
Remote control for game (option)

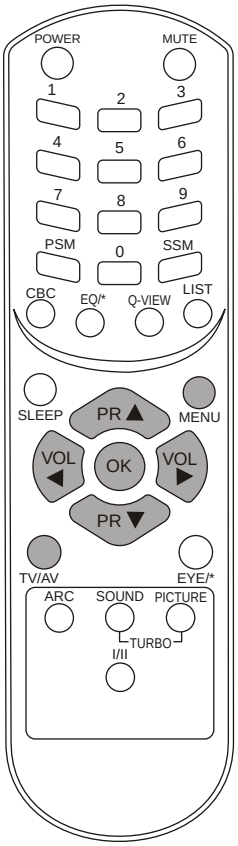
This remote control is optional supply. if it's supplied to you, use it when playing the game.

POWER : switches the set On from standby or Off to standby.
MUTE : switches the sound On/ Off.
MENU : exit from game mode.
PR ▲/▼ /VOL ◄/► OK ■ : controls the game in the same way as main remote do.

Other functions

SPECIAL MENU





Time functions

The time uses 12 hrs. system and must be set to the correct time before operating the set.

1. Press **MENU** to select special menu .
2. ◄/► and ▲/▼ key select time function.
3. After selecting 'Time Function' press ► key to enter 'Time'.
4. Set Time using ◄/► and ▲/▼ keys.
5. Press **OK** to store.
6. Press **TV/AV** to return to normal TV viewing.

Note *:*

a. In the event of power interruption, time must be reset.
b. Time resets if mains is unplugged.
c. Timer accuracy is ± 3 minutes/24 hrs.

ON Time

1. After entering 'TIME FUNCTION' select 'ON TIME' with ▲/▼ and ◄/► key.
2. Also set 'ON TIME' in ON condition with ▲/▼ and ◄/► keys to activate the 'ON TIME'.

On programme number/On Volume.

By using these functions the set automatically switches on a preset programme on a preset volume level.

1. SET ON TIME (Hrs : Min) PR NO, VOL level
2. Press the ▲/▼ button to select On programme/On Volume
3. Select programme number by pressing ▲/▼ buttons. Select and adjust volume by pressing ◄/► buttons.
4. Repeatedly press the **OK** button to return normal viewing.

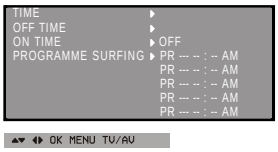
Off Time

1. After entering 'TIME FUNCTION',select 'OFF TIME' with ▲/▼ and ◄/► key.
2. Set 'OFF TIME' using ▲/▼ and ◄/► keys.
3. Set 'OFF TIME' 'ON' using ▲/▼ and ◄/► keys to activate ' OFF TIME'.

Programme surfing

The set automatically switches to a preset programme at or preset time. You must set the time correctly before using this function.

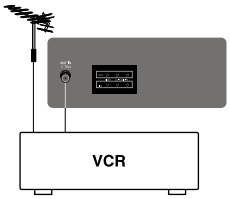
1. After entering 'TIME FUNCTION' select PROGRAMME SURFING' using ▲/▼ and ◄/► keys.
2. Using ▲/▼ and ◄/► keys set PROGRAMME SURFING 'ON'
3. Using ◄/► and ▲/▼ keys select the desired Programme No. and time.
4. Press **OK** and the **TV/AV** for normal viewing.

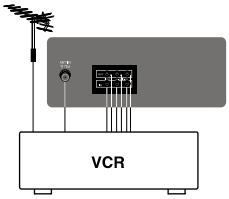


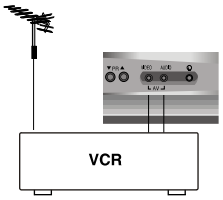
Note :

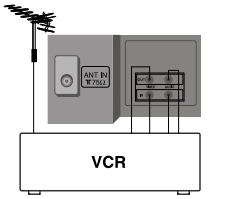
a. If the same time is set for the On time and the Off time then Off time operates.
b. To operate the On Time Function, the set must be put in standby mode with the POWER button on theremote control.
c. Once the On or Off time is set, these functions operate daily at preset time, if time is set.

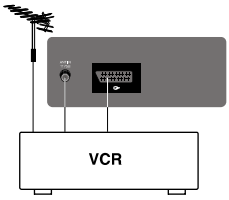
Connection of external equipment











You can connect additional equipment, such as VCRs, camcorders etc. to your set.
Here shown may be somewhat different from your set.

Aerial socket

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

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 AV.
3. Press the PLAY button on the VCR.
   The VCR playback picture appears on the screen.

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

Note**: a. If audio input is only L or R select L+L or R+R through **I/II/ key on remote control.*
b. Front AV and rear AV not to be used simultaneously.
c. If you have a mono VCR, connect the audio cable from the VCR to the AUDIO (L/MONO) socket onthe back of the set.

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 connect to Euro scart socket, the set will switch to AV 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 AV. The VCR playback picture appears on the screen.

You can also record programmes received by the TV on video tape.

Component in sockets (option)

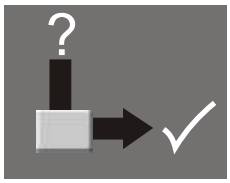
1. Connect the COMPONENT video output sockets (Y Cb Cr, Y Pb Pr or Y B-YR-Y) of the COMPONENT (480) to the COMPONENT INPUT sockets (Y PB PR) on the set.
2. Connect the audio cable from the COMPONENT to AUDIO sockets of COMPONENT INPUT.
3. Press the **TV/AV** button to select COMPONENT.
4. Press the PLAY button on the COMPONENT.
   THE COMPONENT playback picture appears on the screen.

Headphone socket (option)

In 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. To adjust the headphone volume, press the ◀/▶ button.
If you press the **MUTE** button the sound from the headphone and TV's speakers are switched Off.

Troubleshooting check list

Symptoms



No picture, no sound

Sound OK, poor picture

Picture OK, poor sound

Picture blurred

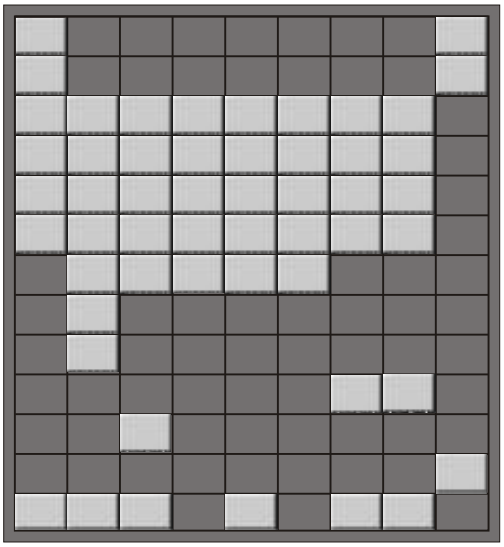
Lines or streaks in picture

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.