LG

Video CD 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.

Model number :
Serial number :

Contents

Power

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

Warning

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

Service

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

Aerial

Connect the aerial cable to the socket marked 1Γ75§ Ù on the bac cover. For the best reception an outdoor aerial should be used.

Location

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

Location and function of controls

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

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.
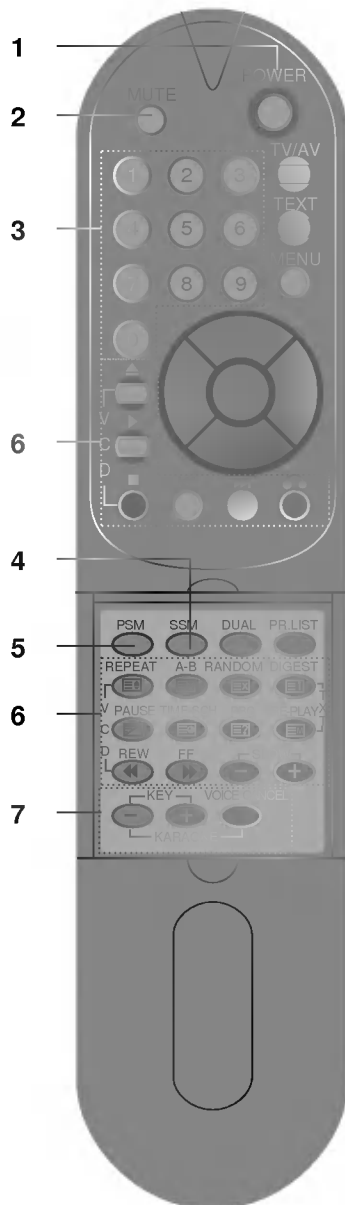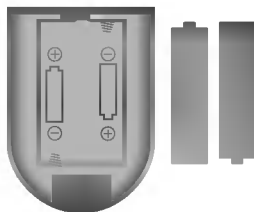
1. **POWER**
   switches the set on from standby or off to standby.

2. **MUTE**
   switches the sound on or off.

3. **NUMBER BUTTONS**
   switch the set on from standby or directly select a number.

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

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

6. **VCD (Video Compact Disc) BUTTONS**
   ▲ **(Open/close)**
   opens or closes a compact disc tray.
   ▶ **(Play)**
   plays a compact disc.
   ■ **(Stop)**
   stops playing a compact disc.
   ◄◄ **(Previous selection)**
   selects a previous track.
   selects a previous digest page.
   selects a previous menu page in the PBC mode.
   ►►| **(Next selection)**
   selects a next track.
   selects a next digest page.
   selects a next menu page in the PBC mode.
   ♂ **(Previous menu)**
   selects a previous menu in PBC(Play Back Control) mode.
   REPEAT
   repeats the current playing track or all tracks on the disc.
   A-B
   locates the points on a track or a disc you want to repeat them.
   RANDOM
   plays the track regardless of the disc's track number.
   DIGEST
   switches on the digest mode.
   PAUSE
   momentarily stops playback.
   TIME-SCH
   switches on or off the time search mode.
   PBC (Play Back Control)
   switches on or off the PBC mode in VCD ver 2.0.
   RE-PLAY
   re-plays a disc at the stopped point.
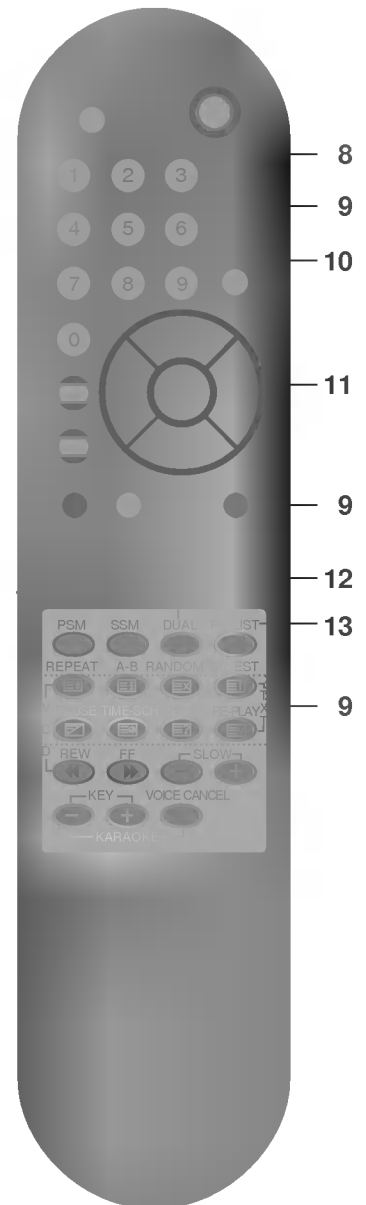
Location and function of controls

REW (◀◀)
plays a disc in reverse rapidly.
FF (▶▶)
plays a disc rapidly.
SLOW -/+
plays a slow picture.

7. **KARAOKE BUTTONS (option)**
   KEY -/+
   adjusts the key when you sing.
   VOICE CANCEL
   attenuates the vocal sound with stereo from the disc for you to sing a song easily.

8. **TV/AV**
   selects TV or AV mode.
   clears the menu from the screen.

9. **TELETEXT BUTTONS (option)**
   These buttons are used for teletext.
   For further details, see the 'Teletext' section.

10. **MENU**
    selects a menu.

11. ¡ ã/¡ å(**Programme Up/Down**)
    switches the set on from standby.
    selects a programme or a menu item.
    ¢̗/¢º (**Volume Down/Up**)
    adjusts the volume.
    adjusts menu settings.
    OK
    accepts your selection or displays the current mode.

12. **DUAL**
    selects the language during dual language broadcast.
    selects mono sound during stereo broadcast.

13. **PR.LIST**
    displays the programme table.

Note : In teletext mode, the ■(Stop), I◀◀ (Previous selection), ▶▶I (Next selection), ◌ ◖ (Previous menu), REPEAT, A-B, RANDOM, DIGEST, PAUSE, TIME-SCH, PBC and RE-PLAY buttons are used for teletext function.

Battery installation

The remote control handset is powered by two AA type batteries. Gently pull down the cover of the remote control handset until the battery compartment is exposed. Install two batteries as indicated by the polarity symbols(ꐠ] and ꐠ⌃) marked inside the compartment.
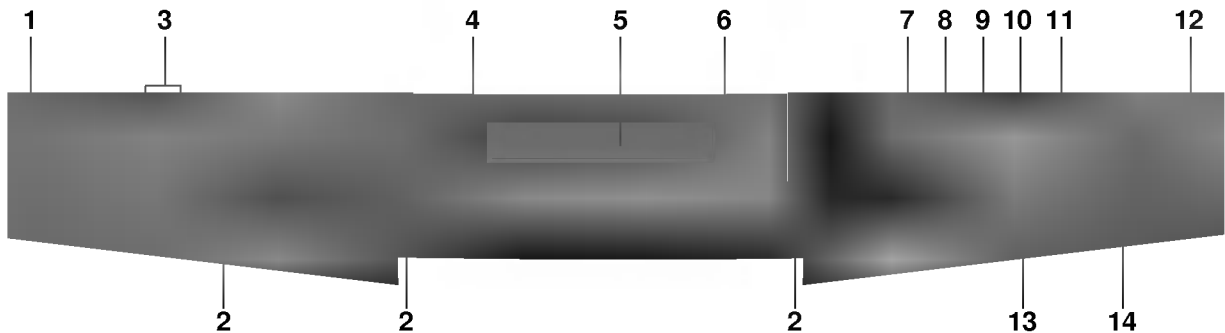
Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

Location and function of controls

Front panel

1. **MAIN POWER**
   switches the set on or off.
2. **VCD (Video Compact Disc) BUTTONS**
   PBC (Play Back Control)
   switches on or off the PBC mode in VCD ver 2.0.
   SLOW -/+
   plays a slow picture.
   A-B
   locates the points on a track or a disc you want to repeat them.
   REPEAT
   repeats the current playing track or all tracks on the disc.
   RE-PLAY
   re-plays a disc at the stopped point.
   STOP (■)
   stops playing a compact disc.
   PLAY (▶)
   plays a compact disc.
   Note : Two PLAY buttons on the front panel have same function. You can use either.
   PREVIOUS SELECTION (◄◄)
   selects a previous track.
   selects a previous digest page.
   selects a previous menu page in the PBC mode.
   NEXT SELECTION (►►)
   selects a next track.
   selects a next digest page.
   selects a next menu page in the PBC mode.
   PAUSE (❙❙)
   momentarily stops playback.

   OPEN/CLOSE
   opens or closes a compact disc tray.
3. **KEY -/+**
   adjusts the key when you sing.
4. **STANDBY INDICATOR**
   illuminates in red when the set is in standby mode.
5. **COMPACT DISC TRAY**
6. **REMOTE CONTROL SENSOR**
7. **PROGRAMME UP/DOWN**
   switches the set on from standby.
   selects a programme or a menu item.
8. **VOLUME UP/DOWN**
   adjusts the volume.
   adjusts menu settings.
9. **OK**
   accepts your selection or displays the current mode.
10. **MENU**
    selects a menu.
11. **TV/AV**
    selects TV or AV mode.
    clears the menu from the screen.
12. **AUDIO/VIDEO IN SOCKETS (AV3)**
    Connect the audio/video out sockets of external equipment to these sockets.
13. **MICROPHONE VOLUME CONTROL**
    adjusts a microphone volume.
14. **MICROPHONE SOCKETS**
    Insert a microphone to these sockets.

Basic operation

On and off

1. Press the main power button on the front panel to switch the set on.
2. If the set is in standby mode, press the **POWER**, ¡ã/¡åor 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 : If, while the set is switched on, the mains plug is discon-nected the set will switch to standby or power on when the mains plug is replaced in the mains power socket.

Programme selection

You can select a programme number with the ¡ã/¡å or NUMBER buttons.

Volume adjustment

Press the¢¸/¢º button to adjust the volume.

Mute function

Press the **MUTE** button. The sound is switched off and the display appears. You can cancel it by pressing the **MUTE**, ¢¸/¢º, **SSM**, or **DUAL** button.

On screen language selection

The menu can be displayed on the screen in English, German, French, Russian or Chinese. First select your language.

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the¡ã/¡å button to select **Language**.
3. Press the ¢¸/¢º button to select the desired language. All the on screen displays will appear in the selected language.
4. Press the **OK**, **TV/AV** or **MENU** button to return to normal TV viewing.
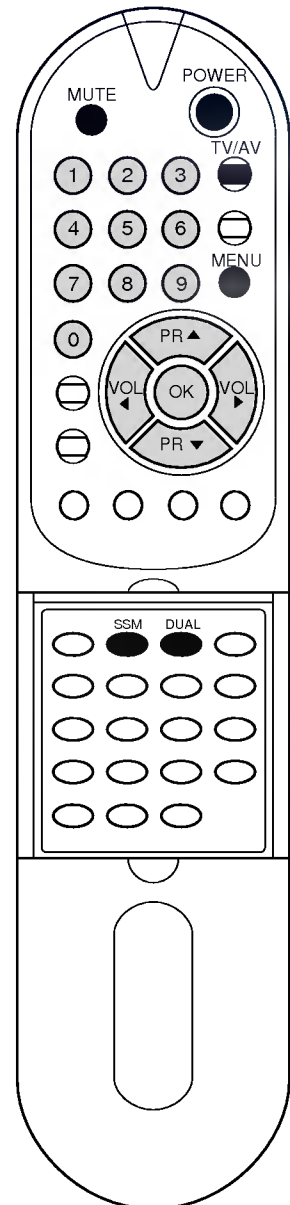
On screen menus

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

Menu selection

1. Repeatedly press the **MENU** button to display each menu.
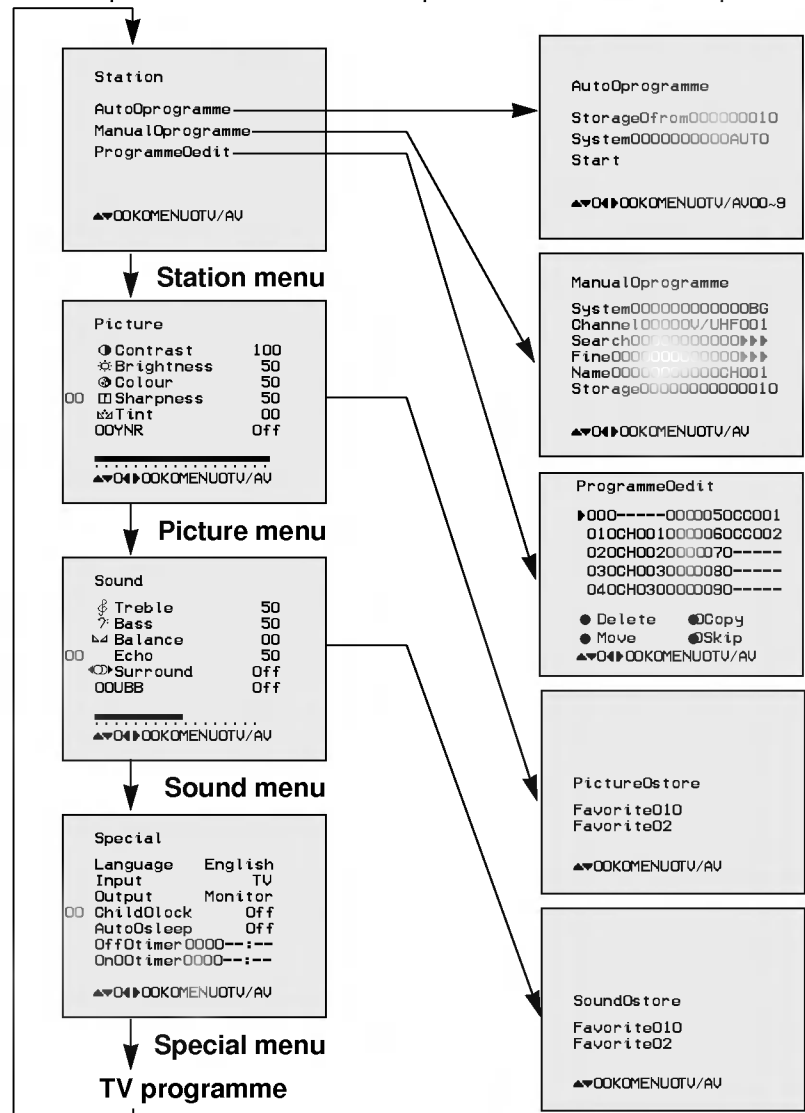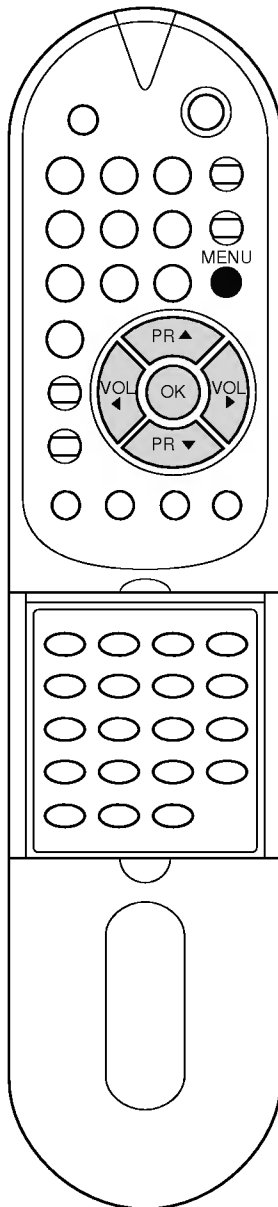2. Press the ¡ã/¡å button to select a menu item.
   The selected menu item changes from green to purple.
3. Press the ¢‚/¢º button to change the setting of a menu item or **OK** button to display the sub menu.

Note :

a. *The menus automatically disappear in about 10 seconds if you do not press a button.*
b. *In the AV and CD modes, the **Station** menu is not displayed.*
c. *In the teletext mode, MENUs are not displayed.*
d. *The display **Tint** in the **Picture** menu and **Echo** in the **Sound** menu may appear in cyan and not be selected with the ¡ã/¡å button. The tint functions in NTSC only and Echo when a microphone is inserted in a microphone socket on the front panel.*


```
Station

AutoOprogramme
ManualOprogramme
ProgrammeOedit

▲▼OOKOMENUOTV/AV
```

Station menu

```
Picture

◑Contrast        100
☼Brightness       50
☉Colour           50
   □ Sharpness     50
OO Tint            00
   OOYNR          Off

▲▼O◀▶OOKOMENUOTV/AV
```

Picture menu

```
Sound

♪ Treble          50
♪ Bass            50
Balance          00
OO   Echo          50
◀O▶Surround       Off
   OOUBB          Off

▲▼O◀▶OOKOMENUOTV/AV
```

Sound menu

```
Special

Language    English
Input            TV
Output      Monitor
OO ChildOlock    Off
   AutoOsleep     Off
   OffOtimerOOOO--:--
   OnOOtimerOOOO--:--

▲▼O◀▶OOKOMENUOTV/AV
```

Special menu

TV programme

```
AutoOprogramme

StorageOfromOOOOOOOO10
SystemOOOOOOOOOOAUTO
Start

▲▼O◀▶OOKOMENUOTV/AVOO~9
```

```
ManualOprogramme

SystemOOOOOOOOOOOOBG
ChannelOOOOOV/UHFOO1
SearchOO OOOOOOOO▶▶▶
FineOOO OOOOOOO▶▶▶
NameOOO OOOOCHOO1
StorageOOOOOOOOOOOO10

▲▼O◀▶OOKOMENUOTV/AV
```

```
ProgrammeOedit

▶000-----OOOO50OCC001
010CHOO1OOOOO60CC002
020CHOO2OOOO70-----
030CHOO3OOOO80-----
040CHOO3OOOO90-----

● Delete     ●OCopy
● Move       ●OSkip
▲▼O◀▶OOKOMENUOTV/AV
```

```
PictureOstore

FavoriteO1O
FavoriteO2

▲▼OOKOMENUOTV/AV
```

```
SoundOstore

FavoriteO1O
FavoriteO2

▲▼OOKOMENUOTV/AV
```
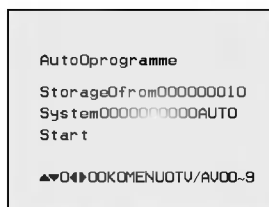
Setting up TV stations

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

**Station
menu**

```
Station

AutoProgramme
ManualProgramme
ProgrammeOedit


▲▼OOKOMENUOTV/AV
```
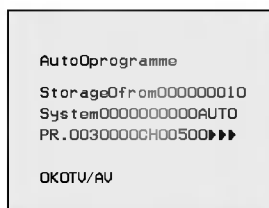
Auto programme tuning

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. Repeatedly press the **MENU** button to select the **Station** menu.
2. Press the ¡ã/¡å button to select **Auto programme**.
3. Press the **OK** button to display the **Auto programme** mode.

```
AutoOprogramme

StorageOfromO00000010
SystemO0000nn000AUTO
Start

▲▼O4▶OOKOMENUOTV/AVOO~9
```

4. Press the ¡ã/¡å button to select **Storage from**. Select the beginning programme number with the ¢ͺ/¢º button or NUMBER buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.
5. Press the ¡ã/¡å button to select **System**. Select a TV system with the ¢ͺ/¢º button; **AUTO**, **M**, **BG**, **I** or **DK**.
6. Press the ¡ã/¡å button to select **Start**.
7. Press the **OK** button to begin auto programming.
   The stored programme number and station name appear on the screen.

```
AutoOprogramme

StorageOfromO00000010
SystemO0000000000AUTO
PR.0030000CH00500▶▶▶

OKOTV/AV
```

The channel number is assigned and stored with **CH** or **CC**.

To stop auto programming, press the **OK** or **TV/AV** button.

When auto programming is completed, the **Programme edit** mode appears on the screen with the station name or the channel number. See the 'Programme edit' section to edit the stored programme.

8. Press the **TV/AV** button to return to normal TV viewing.
9. To store another TV system repeat above steps. If all systems (M, BG, I, DK) are receivable, these systems can be stored.
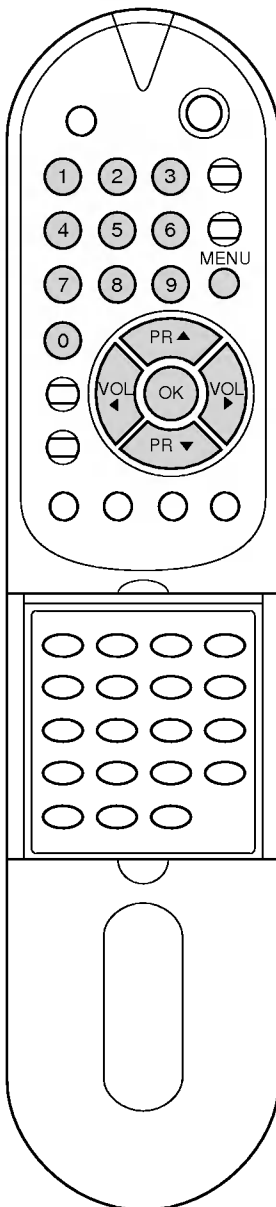
Setting up TV stations

Station
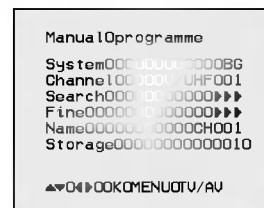
AutoOprogramme
ManualOprogramme
ProgrammeOedit

▲▼OOKOMENUOTV/AV
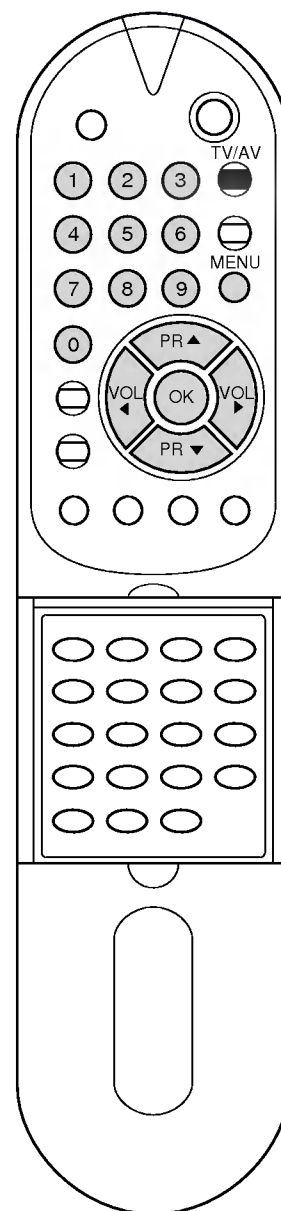
Manual programme tuning

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

1. Repeatedly press the **MENU** button to select the **Station** menu.
2. Press the ¡ã/¡å button to select **Manual programme**.
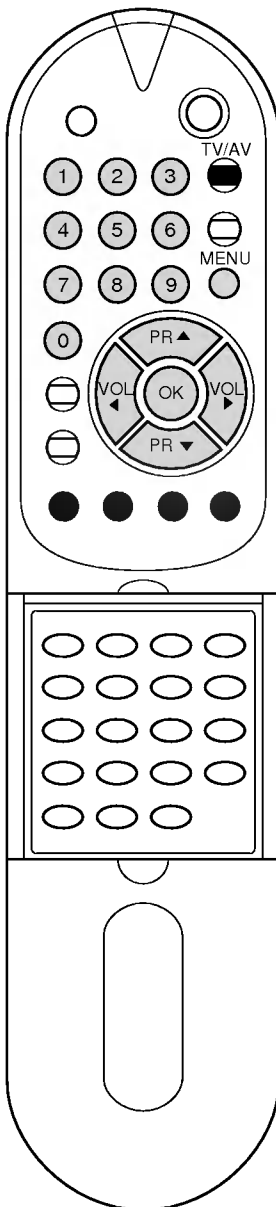3. Press the **OK** button to display the **Manual programme** mode.

ManualOprogramme

SystemOO   OOOOBG
ChannelOO   UHFOO1
SearchOOO   OOOOO▶▶▶
FineOOOO   OOOOO▶▶▶
NameOOOOO   OOOOCHOO1
StorageOO   OOOOOOOOO10

▲▼O◀▶OOKOMENUOTV/AV

4. Press the ¡ã/¡å button to select **System**. Select a TV system with the ¢ₐ/¢º button; **BG**, **I**, **DK** or **M**.
5. Press the ¡ã/¡å button to select **Channel**. Press the ¢ₐ/¢º button to select **V/UHF** or **CATV** as required.
   If possible, select the channel number directly with the NUMBER buttons.
6. Press the ¡ã/¡å button to select **Search**. Press the ¢ₐ/¢º button to commence searching. If a station is found the search will stop.
7. If this station is the one required, press the ¡ã/¡å button to select **Storage**. Select the desired programme number with the ¢ₐ/¢º button or 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 to 8.

Assigning a station name
1. Press the ¡ã/¡å button to select **Name**.
2. Select a first character position with the ¢ₐ button. To select your desired character, press the ¡ã button. You can use the alphabet **A** to **Z**, a blank, **.**, **+**, **–** and the numeric **0** to **9**.
   With the ¡å button you can select in the opposite direction.
3. Select the next position by pressing the ¡å button and then take your choice of the second character, and so on.
4. Press the **OK** button to select **Storage**. Select the desired programme number with the ¢ₐ/¢º button or NUMBER buttons.
5. Press the **OK** button to store it.
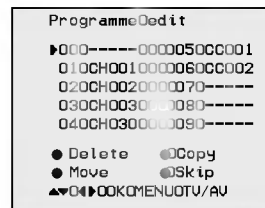6. To assign another station name repeat steps 1 to 5.

Setting up TV stations

Fine tuning

Normally fine tuning is only necessary if reception is poor.

1. Repeat 'Manual programme tuning' steps 1 to 3.

```
ManualOprogramme

System0000000000000BG
Channel000  /UHFO01
Search000  0000▶▶
Fine0000  0▶▶
Name0000  CH001
Storage000  000010

▲▼0◀▶OOKOMENUOTV/AV
```

2. Press the ¡ã/¡å button to select **Fine**. Press the ¢₃/¢⁰ button to fine tune for the best picture and sound.
3. Press the ¡ã/¡å button to select **Storage**. Select the desired programme number with the ¢₃/¢⁰ button or NUMBER buttons.
4. Press the **OK** button to store the new setting.
5. Press the **TV/AV** button to return to normal TV viewing.
   The finely tuned programme will be indicated by yellow number during programme selection.

```
Station

AutoOprogramme
ManualOprogramme
ProgrammeOedit

▲▼OOKOMENUOTV/AV
```

Setting up TV stations

Station

AutoOprogramme
ManualOprogramme
ProgrammeOedit

▲▼OOKOMENUOTV/AV

Programme edit

This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or copy to the next programme numbers.

1. Repeatedly press the **MENU** button to select the **Station** menu.
2. Press the ¡ã/¡å button to select **Programme edit**.
3. Press the **OK** button to display the **Programme edit** mode.

```
ProgrammeOedit

▶000------0000050CC001
 010CH0010000060CC002
 020CH0020000070-----
 030CH0030  080-----
 040CH0300  090-----

● Delete    Copy
● Move      Skip
▲▼◀▶OOKOMENUOTV/AV
```

Deleting a programme
1. Select a programme to be deleted with the ¡ã/¡å or $¢_/¢^{\underline{o}}$ button.
2. Press the RED button.
The selected programme is deleted and all the following programmes are shifted forward one position.

Copying a programme
1. Select a programme to be copied with the ¡ã/¡å or $¢_/¢^{\underline{o}}$ button.
2. Press the GREEN button.
All the following programmes are shifted forward one position to the next highest programme number.

Moving a programme
1. Select a programme to be moved with the ¡ã/¡å or $¢_/¢^{\underline{o}}$ button.
2. Press the YELLOW button. The selected programme is in yellow.
3. Move the programme to the desired programme number with the ¡ã/¡å button.
   The selected programme moves through the programme list in the direction selected.
4. Press the YELLOW button again to release this function.

Skipping a programme
1. Select a programme to be skipped with the ¡ã/¡å or $¢_/¢^{\underline{o}}$ button.
2. Press the BLUE button.
   The skipped programme turns to blue.
3. Press the BLUE button again to release the skipped programme.
   The programme returns to green and the skip is cancelled.
   With the ¡ã/¡å button the skipped programme can not be found.
   If you want to find the skipped programme directly enter the programme number with the NUMBER buttons or select it in the programme edit or table mode.

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

Picture adjustment

Contents

Picture adjustment

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

1. Repeatedly press the **MENU** button to select the **Picture** menu.
2. Press the ¡ã/¡å button to select the desired picture item.
3. Press the ¢ˎ/¢º button to make appropriate adjustments.
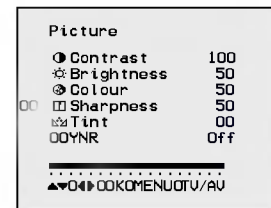
At this point you can complete your adjustments or store your setting for immediate recall by following steps 4 to 6.

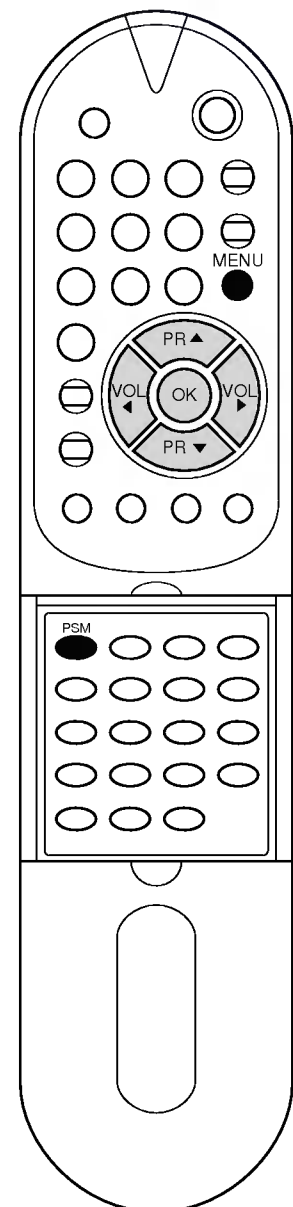4. Press the **OK** button to display the **Picture store** mode.

```
Picture0store
Favorite010
Favorite02

▲▼OOKOMENUOTV/AV
```

5. Select **Favorite 1** or **Favorite 2** with the ¡ã/¡å button.

   The **Favorite 1** or **Favorite 2** options allow you to programme two entirely different picture settings for various lighting conditions such as day and night.
6. Press the **OK** button. The display **Stored** will appear.

To recall your preferred setting, press the **PSM** button until the desired picture (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** picture is programmed for good picture reproduction at the factory and cannot be changed.

Noise reduction

This function reduces picture noise during viewing.

1. Repeatedly press the **MENU** button to select the **Picture** menu.
2. Press the ¡ã/¡å button to select **YNR**.
3. Press the ¢ˎ/¢º button to select **On** or **Off**.
4. Repeat steps 4 to 6 above.

Picture menu

```
Picture

① Contrast      100
☼ Brightness     50
◉ Colour         50
▥ Sharpness      50
▧ Tint           00
OOYNR           Off
. . . . . . . . . . . . . . . . .
▲▼O◀▶OOKOMENUOTV/AV
```

Sound adjustment

Sound menu

```
Sound
 ♪ Treble      50
 ♪ Bass        50
 ⊾ Balance     00
OO Echo        50
 ◁▷Surround    Off
OOUBB          Off
. . . . . . . . . . . . . . . . . .
▲▼O◀▶OOKOMENUOTU/AU
```

Sound adjustment

You can adjust the sound treble, bass, balance, surround, echo volume and UBB to the levels as you prefer. The surround sound creates an all around sound as in a concert hall and UBB(Ultra Bass Booster) stresses and emphasizes heavy sound.

1. Repeatedly press the **MENU** button to select the **Sound** menu.
2. Press the ¡ ã/¡ å button to select the desired sound item.
3. Press the ¢⌄/¢º button to make desired adjustment.

At this point you can complete your adjustments or store your setting for immediate recall by following steps 4 to 6.
4. Press the **OK** button to display the **Sound store** mode.

```
SoundOstore

FavoriteOlO
FavoriteO2

▲▼OOKOMENUOTU/AU
```

5. Select **Favorite 1** or **Favorite 2** with the ¡ ã/¡ å button.
6. Press the **OK** button. The display **Stored** will appear.

To recall your preferred setting, press the **SSM** button until the desired sound (**Standard**, **Favorite 1** or **Favorite 2**) appears. The **Standard** sound is programmed for good sound reproduction at the factory and cannot be changed.

Stereo/Dual reception

When a programme is selected, the sound information for the station appears with the programme number and station name.

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 **DUAL** button. In mono reception the depth of sound is improved. To switch back to stereo, press the **DUAL** button again.

Note : If the mono signal is distorted or noisy press the **DUAL** button to switch between mono and forced mono sounds. In case of forced mono sound **MONO** is displayed on the screen.

14
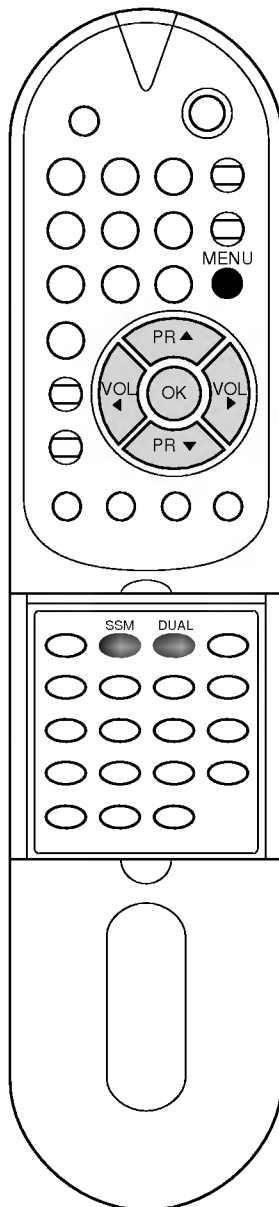
Sound adjustment

Language selection for dual language broadcast

If a programme received in two languages (dual language), you can switch to **DUAL I**, **DUAL II** or **DUAL I II** by pressing the **DUAL** 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 **DUAL** 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 **DUAL I**, **DUAL II** or **DUAL I II** or **MONO**. When FM mono is selected the display **MONO** appears on the screen.
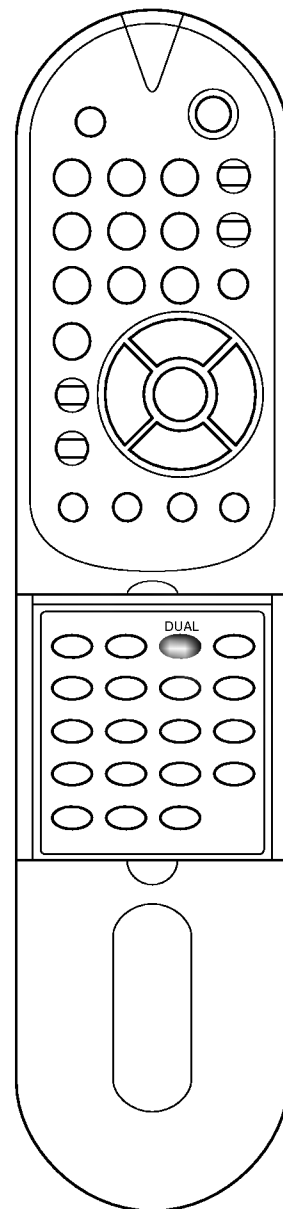
Sound output selection

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

Repeatedly press the **DUAL** 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.
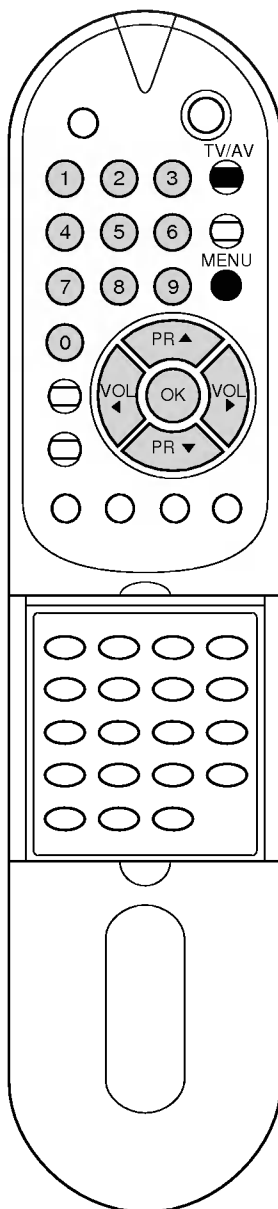**L+L** : Audio signal from audio L input is sent to left and right loudspeakers.
R+R : Audio signal from audio R input is sent to left and right loudspeakers.

Other functions

Contents

Special menu

```
Special

Language    English
Input            TV
Output      Monitor
OO ChildOlock     Off
   AutoOsleep     Off
   OffOtimerOOOO--:--
   OnOOtimerOOOO--:--

  ▲▼O◀▶OOKOMENUOTV/AV
```

TV and AV modes

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. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **Input**.
3. Press the ¢‚/¢º button to select **TV, AV1, AV2 , AV3** or **S-AV**. The four AV modes are :
   AV 1 : VCR connected to the **AV1** sockets on the back
   AV 2 : VCR connected to the **AV2** sockets on the back
   AV 3 : VCR connected to the **AV3** sockets on the front panel
   S-AV : VCR connected to the **AV2 AUDIO** and **S-VIDEO** sockets on the back
4. Press the **OK, MENU** or **TV/AV** button.
To return to TV mode from AV mode press the ¡ã/¡å or NUMBER buttons.

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

Output source

This function lets you select an output source; TV or Monitor through the audio/video out sockets on the TV.

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **Output**.
3. Press the ¢‚/¢º button to select **TV** or **Monitor**.
4. Press the **OK, MENU** or **TV/AV** button.

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 unauthorised viewing.

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **Child lock**.
3. Press the ¢‚/¢º button on the remote control handset to select **On**.
4. Press the **OK, MENU** or **TV/AV** button to return to normal TV viewing.

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

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Other functions

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. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **Auto sleep**.
3. Press the Φ_o/Φ^o button on the remote control handset to select **On**.
4. Press the **OK**, **MENU** or **TV/AV** button to return to normal TV viewing.

Off timer

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

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **Off timer**.
3. Set the desired time period with the Φ_o/Φ^o button.
4. Press the **OK**, **MENU** or **TV/AV** button to return to normal TV viewing.
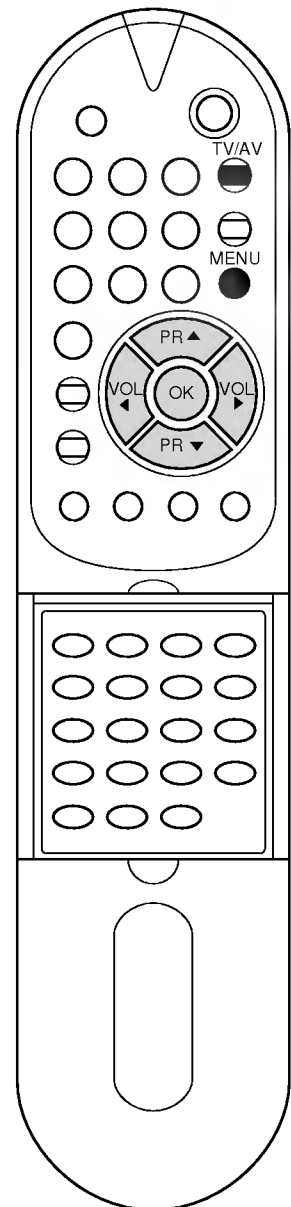
On timer

The set automatically switches on after the preset time elapses.

1. Repeatedly press the **MENU** button to select the **Special** menu.
2. Press the ¡ã/¡å button to select **On timer**.
3. Set the desired time period with the Φ_o/Φ^o button.
4. Press the **OK**, **MENU** or **TV/AV** button to return to normal TV viewing.

You can set the on/off timer from 10 minutes up to 12 hours 50 minutes in 10 minutes steps. The timer begins to count down from the selected time period.

Note :
a. *If the same time is set for the on time and off time, only the previously set time operates.*
b. *This set must be put into standby mode with the **POWER** button on the remote control to operate the on timer function.*
c. *Two hours after the set is switched on by the on timer function it will automatically switch back to standby mode unless a button has been pressed.*
d. *To view the remaining on/off time, select the **Special** menu.*
e. *To cancel the set on/off time, set the on/off timer to --:--.*
f. *When you switch the main power off of the set, the set releases the preset on/off time.*

Special menu

```
Special

Language    English
Input            TV
Output      Monitor
ChildOlock      Off
AutoOsleep      Off
OffOtimer 0000--:--
OnOtimer    --:--

▲▼◀▶OOKOMENLOTV/AV
```
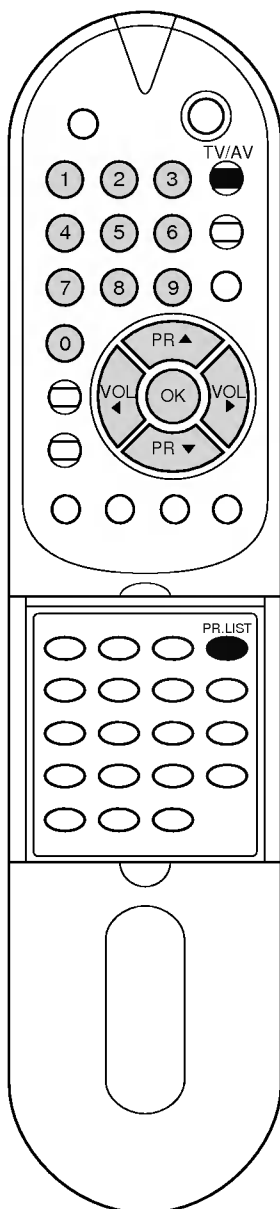
Other functions

Calling a programme table

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

Displaying programme table

Press the **PR.LIST** button.
The programme table appears on the screen. One programme table contains ten programmes as below.

```
Programme table

▶000-----0   0050CC001
 010CH0010   0060CC002
 020CH0020   0070-----
 030CH0030   0080-----
 040CH0300   0090-----


▲▼◀▶OK MENU TV/AV
```

Note :
a. *You may find some blue programmes. They are skipped during auto programming and in the Programme edit mode.*
b. *Some programmes with the channel number shown in the programme table indicate there is no station name assigned.*

Selecting a programme in the programme table

Select upper or lower programme with the ¡ã/¡å button and left or right programme with the ¢./¢º button. The colour of normal programmes is green, skipped programme is blue and the chosen programme in green is indicated as ▶.

Then press the **OK** button.
The set switches to the chosen programme number.

Paging through a programme table

There are ten programme table pages in which contain 100 programmes. Pressing the ¡ã/¡å or ¢./¢º button repeatedly turns the pages.

Switching back to TV mode

Press the **TV/AV** or NUMBER buttons during programme table mode.

Basic VCD (Video Compact Disc) operation

In addition to a TV function, the Video-CD TV functions as a Hi-Fi audio amplifier, VCR in playing a movie or KARAOKE machine depending on the type of compact disc.

Disc type
There are various types of the disc as shown below.

CD-DA (Compact Disc Digital Audio)
Compact disc with the digital sound only.
It is shown as **CD-DA** on the screen.

CD-G (Compact Disc Graphics)
Compact disc with the digital sound and graphics.
It is shown as **CD-G** on the screen.

V-CD (Video Compact Disc) ver 1.1
Compact disc with the digital sound and digital image (Full motion).
It is shown as **V-CD** on the screen.

V-CD (Video Compact Disc) ver 2.0
unlike V-CD 1.1, has a menu itself, therefore recording contents are set up via menus.
It is shown as **PBC V-CD** on the screen.

Disc playback
1. Open a disc tray with the ⏏ **(Open/close)** button.
2. Place your selected compact disc in the tray with the printed side facing up.
3. Press the ▶ **(Play)** button.
   The disc tray is automatically closed, the disc information is detected and then playback will start.

   Or close the disc tray by pressing the ⏏**(Open/close)** button or sliding the tray slightly. The disc information will automatically be detected and the stop mode appears. Then press the ▶ **(Play)** button to start playback.

   To stop playback, press the ■ **(Stop)** button.

Note : *If, while the disc is open, the set is switched off and then on, the disc tray is automatically inserted.*

V-CD ver 2.0 playback
Unlike other discs, the V-CD ver 2.0 has menus itself, the recording contents of V-CD ver 2.0 are set up via menus.
1. Repeat steps 1 to 3 above.
   The display **PBC V-CD** then menu mode appears on the screen.
2. Select the desired menu with the NUMBER button. If the selected menu displays sub menus, you can use the NUMBER button until the desired track starts playback.

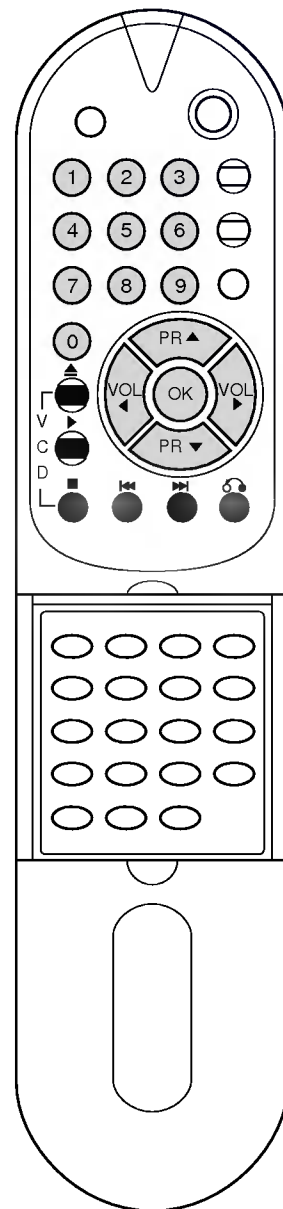   To return to the previous menu, press the ⏏ or ▶▶| button during playback mode.

   When a menu has pages;
   When a menu has next page, the display ▶▶|appears.
   To display the next menu page, press the ▶▶| button.
   When a menu has previous menu page, the display |◀◀appears.
   To display the previous menu page, press the |◀◀ button.

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Basic VCD (Video Compact Disc) operation

Re-play

If you press the ▶ **(Play)** button in the stop mode, the compact disc will return to the starting point of first track then play from the beginning.
But if you press the **RE-PLAY** button instead of the ▶ **(Play)** button, the disc will play at the stopped point.

Note : This function can't work in the CD-G disc or PBC ON mode.

Current CD mode

It's convenient to notice the current operation mode.

Press the **OK** button during playback.
The output sound, current track, running time within the current playing track, type of disc, current operation mode and total running time appear on the screen.

```
0L↑R00               0CD-G
0[02]0000:000⌐"
0Total 32:40
```

Press the **OK** button again or wait for a second.
The current CD mode disappears on the screen.

Note: In the current mode of V-CD ver 2.0, only the output sound, current operation mode and type of disc are displayed.

Selecting a track

Selecting the desired track directly
By using the track number on the disc, select the desired track with the NUMBER button.
For example, while playing the track No. 3, to select the track No. 12, press **1** and **2**. The playback starts from the track No. 12.

Note : In the PBC ON mode, it's not possible to select a track with NUMBER buttons during playback or stop mode.

Selecting a track by one track
Use to select the next or previous track from the current playing track.

Press the |◀◀ **(Previous selection)** button twice to select the previous track.
If you press the button only once, the disc returns to the starting point of the current track.

Press the ▶▶| **(Next selection)** button once to select the next track.

Basic VCD (Video Compact Disc) operation

Searching a particular point rapidly

Forward search

Press the **FF** button in the playback mode.
The disc rotates rapidly.

To return to normal speed in the desired position, press the
▶ **(Play)** or **FF** button.

Rewind search

Press the **REW** button in the playback mode.
The disc rotates in reverse rapidly.

To return to normal speed in the desired position, press the
▶ **(Play)** or **REW** button.

Pause playback

Press the **PAUSE** button to momentarily stop playback.
Still video playback appears on the screen and audio playback
stops.

To return to normal speed, press the **PAUSE** or ▶ **(Play)** button.

Slow playback

Press the **SLOW -/+** button during playback.
Slow video playback appears on the screen and audio playback
stops.

To return to normal speed, press the ▶ **(Play)** button.

Note : The slow playback can't work with CD-DA and CD-G discs.

Advanced VCD operation
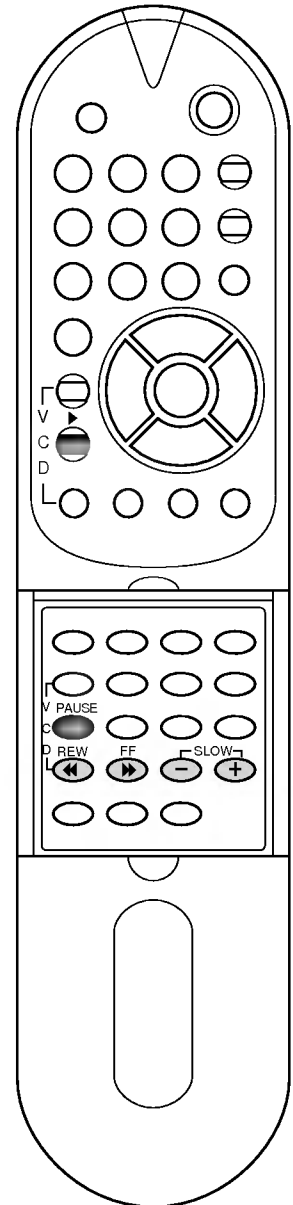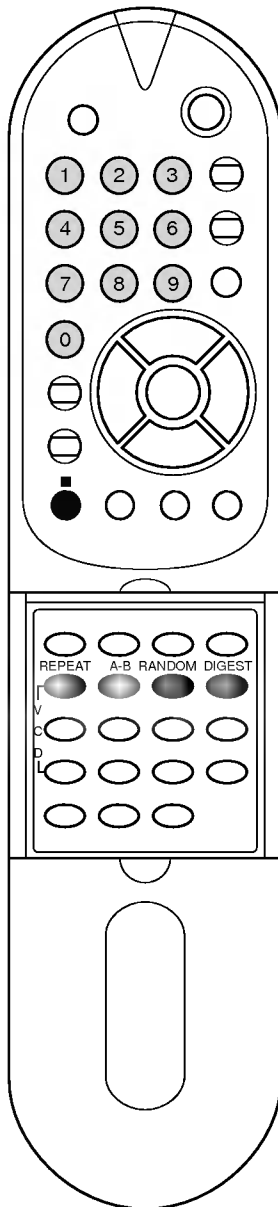
Random playback

The set plays the track regardless of the disc's track number.

Press the **RANDOM** button.
The display **Random** appears on the screen and from this point next tracks are selected at random.

To play back the normal track sequence on the disc, press the **RANDOM** button again.
The display **Random** disappears and playback will start from the current playing track.

Note : This function can't work in the PBC ON mode.

Digest playback

This function displays the first scenes of each track up to 9 on a screen in the stop mode. In the playback mode, the first scenes divided a current track by 9 are shown on a screen.

In case being more than nine tracks, the display ►►I will appear on the right lower screen. If the ►►I**(Next selection)** button is pressed at this time, the next digest page appears on the screen. To return to the previous digest page, press the I◄◄ **(Previous selection)** button.

Press the **DIGEST** button to display the digest mode.
Input your favourite scene among nine scenes using the corresponding number button (1 to 9). Also use the corresponding number button (1 to 9) in the next digest page.

For example, if you want to view the third scene, press the number button **3**.
If you want to view the fourth scene in the next digest page, you must not press the number button **1 3** but the number **4**.

The playback will start at the point.

If you want to remove the digest mode, press the ■ **(Stop)** button.

Note : The Digest playback can't work with CD-DA, CD-G and V-CD ver 2.0 discs.

Repeat playback

You can repeat the current playing track or all tracks on the disc by using this function.

Repeating one track
To repeat the current playing track, press the **REPEAT** button until the display C1⊃ appears on the screen.
The current playing track will be played repeatedly.

Repeating all tracks
To repeat all tracks on the disc, press the **REPEAT** button until the display C A⊃ appears on the screen.
After playing the entire tracks on a disc, the first track will start playback.

To cancel the repeat function, press the **REPEAT** button until the display C1⊃ or C A⊃ does not appear on the screen.

Advanced VCD operation

Repeating playback between particular points

You can easily locate the points on a track or a disc you want to repeat them.

1. Press the **A-B** button at the point you want to start playback. The display (A⁺⊃ appears on the screen.
2. Press the **A-B** button again at the point you want to stop playback. The display (A⁺B⊃ appears on the screen.

To play back the normal track sequence on the disc, press the ▶ **(Play)** or **A-B** button again.

Note :
a. This function can't work with CD-G disc.
b. An interval pressed between start and stop points should not be within three seconds.

Time search

Input any time within the disc's total recording time and then playback will start from the point of the input time.

1. Press the **TIME-SCH** button.
   The display **--:--** appears on the screen.
2. Input time with the NUMBER button. The playback will start from the point of the input time.

Note :
a. If the shorter time than the starting point of the first track on the disc is input, the disc will play from the starting point of the first track.
b. Confirm the input time. If the longer time than the disc's total recording time is input, the time will not be recorded.
*c. In the **CD-G** and **PBC V-CD** modes, the Time search function will not operate.*

PBC (Play Back Control)

In V-CD ver 2.0, the **PBC V-CD** mode appears and you can select the desired track via menus.
During playing V-CD ver 2.0, press the **PBC** button.
The **PBC V-CD** mode disappears and the V-CD ver 2.0 will change to the V-CD ver 1.1. The playback will start in order of the disc's track number.
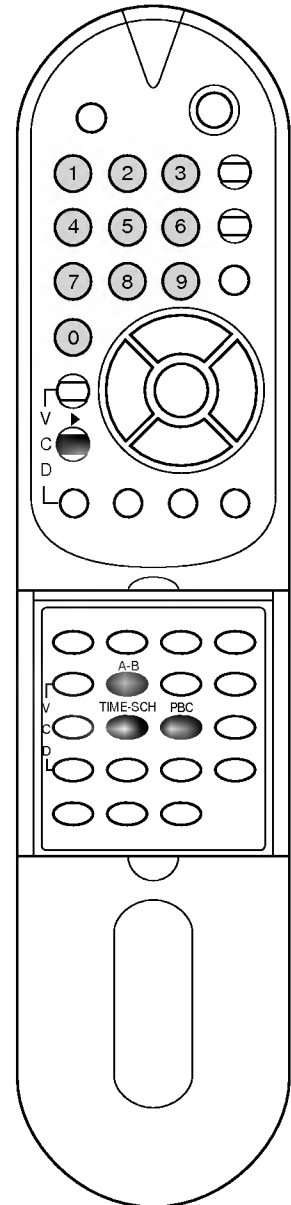
KARAOKE operation (option)

KARAOKE function

The set is equipped with the microphone sockets for using two microphones simultaneously.

1. Insert the microphone into a **MIC 1** or **2** socket.
2. When using the microphone, you can tune the echo, the sound effect like rumbling of a mountain.
   Adjust the echo volume. See the 'Sound adjustment' section.
3. To increase the microphone volume, turn the MIC volume control clockwise and to decrease turn counterclockwise.
4. Open a disc tray with the ▲(**Open/close**) button and place your selected compact disc in the tray.
5. Press the ▶ **(Play)** button.
6. Sing a song with accompaniment using a MIC.
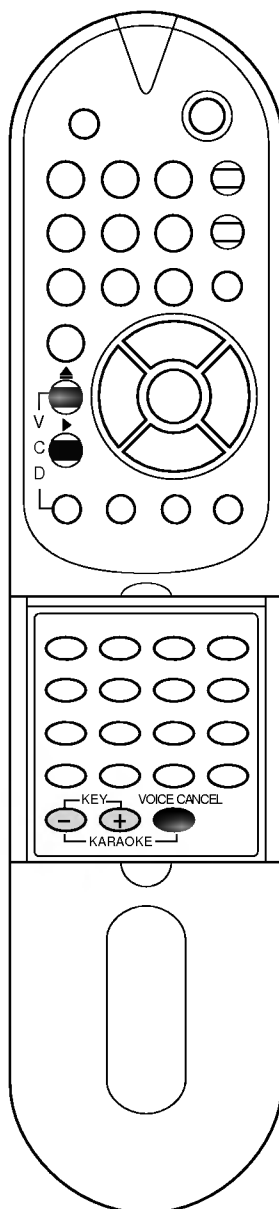
Key control

Press the **KEY -/+** button to adjust the key when you sing.

Voice cancel

This function attenuates the vocal sound with stereo from the disc for you to sing a song easily.

To switch on or off the voice cancel function press the **VOICE CANCEL** button. The display **Voice cancel On** or **Off** mode appears.

Voice cancel may not work well in the following cases.
- Monaural-recorded discs (The accompaniment is also reduced).
- Only a few instruments are playing in the stereo-recorded disc.
- A duet is being played.
- The disc has strong echoes or chorus.
- The singer's voice on the disc deviates from the center.
- Multiplex discs.

Note : *The Key control and Voice cancel functions do not operate if the microphone is not inserted into a **MIC** socket.*

Disc care and maintenance

To enjoy best picture and sound keep the disc in a clean and original case. A stain, scratch, dirt on the disc can cause bad picture and sound. Never touch on the surface of disc.

Placing the disc on the disc compartment

Put the disc onto the circle surface together indicated in the disc. Place the disc in the disc tray with the labels facing upward.
Note : *Do not put more than one disc in the disc tray except a disc to play.*

When the disc is warped

Place the disc in the original case and insert it between the flat glasses and place an object with 4-5 kg weight on the flat glasses. In a day with this state, the warp is stretched.
Do not use the warped disc that cause the pick-up any damage.

Cleaning the disc

If a disc is dirty or lightly soiled, a soft cloth can be used to wipe the disc. When the disc is very dirty, buy the detergents for CD and wipe the disc in a right manner. Never use benzene, thinner, cleaner for Record and anti-static electricity.

Notice

In the playback mode, the disc rotates with high speed, therefore never use the disc which is repaired with any bend, deforming or adhesives.
Do not attach paper or sticker on the disc and write down on the label side any letter by using ball point pen or pencil.

Storing the disc

It is recommended that during non-use periods, the disc should be stored in its original case and in a vertical position. Vertical position of the disc is important in order to avoid warpage. In fact, it is not recommended that a warped or cracked disc be inserted into the disc tray. Also never store or place the disc near a heat source or in direct sunlight.

Teletext (option)

Teletext is an optional function, therefore only a set with the teletext system can receive the teletext broadcast.

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

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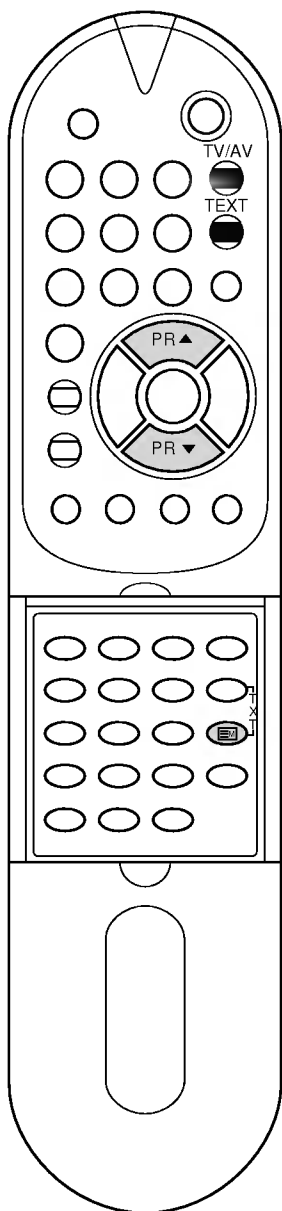
Switch on/off

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

LIST mode

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

Page selection
1. Enter the desired page number as a three digit number with the NUMBER buttons. If during selection you press a wrong number, you must complete the three digit number and then re-enter the correct page number. If the page is not available, the page number, e.g. "> 300 <" will flash for a few seconds.
2. The ¡ã/¡å button can be used to select the preceding or following page.

Teletext (option)

Programming a colour button

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

1. Using the NUMBER buttons, select the page you wish to programme.
2. Wait until the page is displayed on the screen and press the **OK** button. The page numbers in the colour boxes along the bottom of the screen change to ">000?".
3. Press a colour button to store the page number. From now on, you can select this page with the same coloured button.
4. The three other coloured buttons are programmed in the same way.

TOP mode

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

Group/block/page selection

1. With the BLUE button you can progress from block to block.
2. Use the YELLOW button to proceed to the next group with automatic overflow to the next block.
3. With the GREEN button you can proceed to the next existing page with automatic overflow to the next group. Alternatively the ¡ã button can be used.
4. The RED button permits to return to previous selection. Alternatively the ¡å button can be used.

Direct page selection

Corresponding to the LIST teletext mode, you can select a page by entering it as a three digit number using the NUMBER buttons in TOP mode. If the page is not available, the page number, e.g. ">300<" flashes for a few seconds.

FASTEXT mode

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

Page selection

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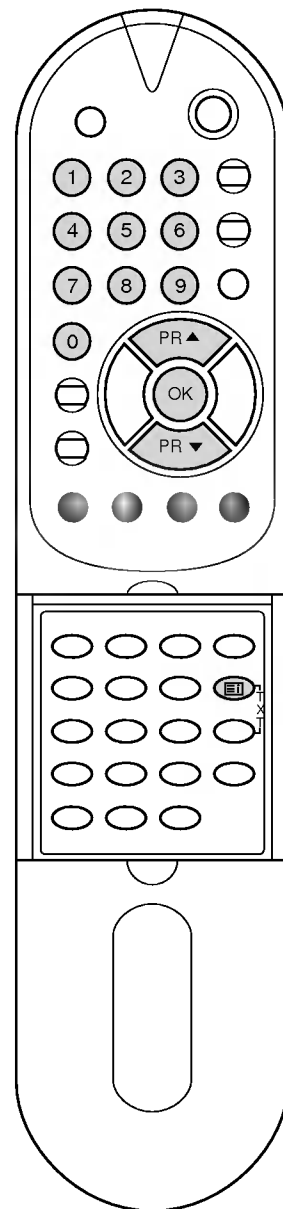
Teletext (option)

Special teletext functions
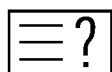
(REVEAL)
Press this button to display concealed information, such as solutions of riddles or puzzles.
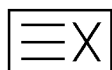Press this button again to remove the information from the display.

EXPAND (SIZE)
Selects double height text.
Press this button to enlarge the top half of the page.
Press this button again to enlarge the bottom half of the page.
Press this button again to return to the normal display.

UPDATE
Displays the TV picture on the screen while waiting for the new teletext page. The display ⊜ will appear at the top left hand corner of the screen. When the updated page is available then display ⊜ will change to the page number.
Press this button to view the updated teletext page.

HOLD (STOP)
Stops the automatic page change which will occur if a teletext page consists of 2 or more sub pages. The number of sub pages and the sub page displayed is, usually, shown on the screen below the time. When this button is pressed the stop symbol is displayed at the top left-hand corner of the screen and the automatic page change is inhibited.
To continue press this button again.
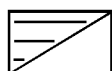
MIX
Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

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

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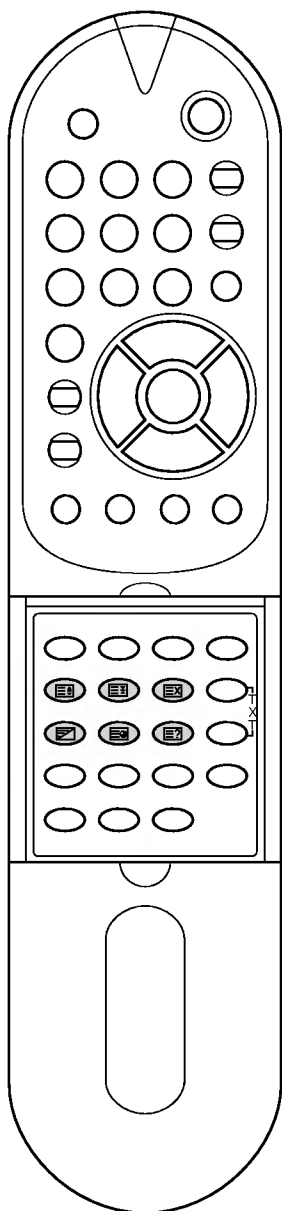
You can connect additional equipment, such as VCRs, camcorders etc. to your set.

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.

VCR
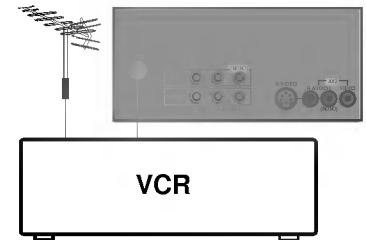
Audio/Video in/out sockets

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 **AV1** sockets, press the **TV/AV** button to select **AV1**. You should select **AV2** if **AV2** sockets on the back panel are connected to the VCR or **AV3** if **AV3** sockets on the control panel are used.
3. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.
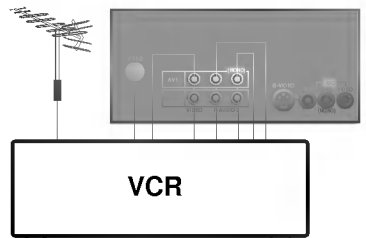
   You can also record programmes received by the TV on video tape via audio/video out sockets.

VCR

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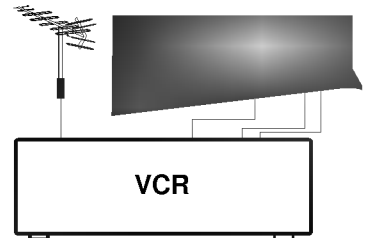
S-video/Audio in sockets (S-AV)

When connecting a S-VHS 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 on the back panel of the set.
2. Connect the audio cable from the S-VHS VCR to the **AV2 AUDIO** sockets on the back panel of the set.
3. Select **S-AV** by pressing the **TV/AV** button repeatedly.
4. Press the **PLAY** button on the VCR.
   The VCR playback picture appears on the screen.

S-VHS VCR
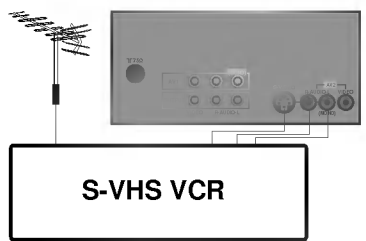
Euro scart socket (option)

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.
3. Press the **TV/AV** button to select **AV1**.

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

VCR
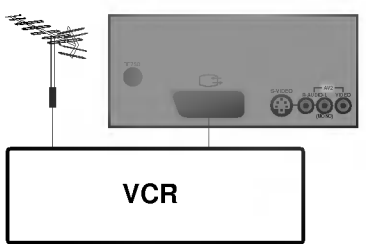
Troubleshooting check list   Contents

Symptoms

No picture, no sound

Sound OK, poor picture

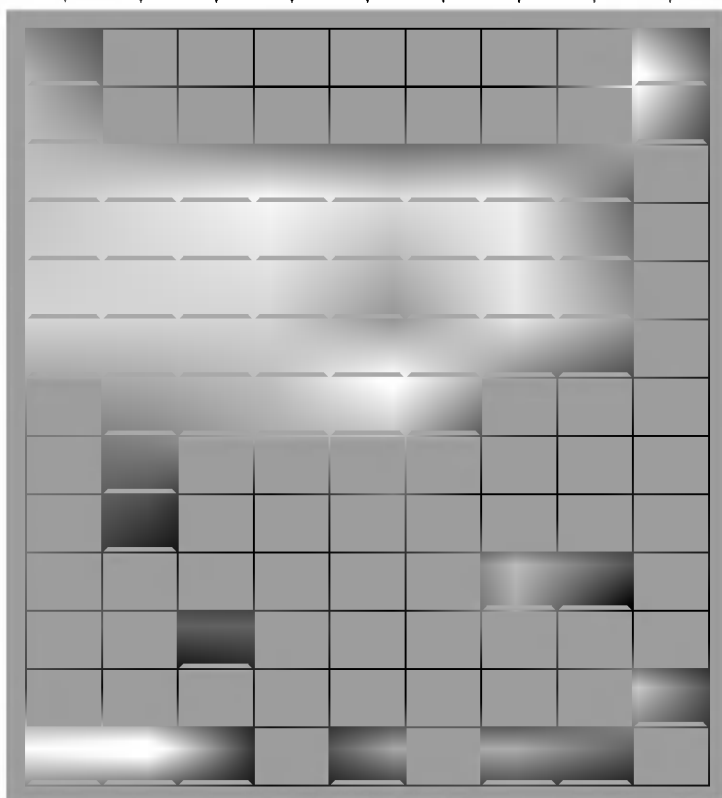Picture OK, poor sound

Picture blurred

Lines or streaks in picture

Poor reception on some channels

No colour

Poor colour

Remote control does not work

Check these items and try to adjust these

The mains plug-(plugged in and switched on)

Is the TV switched on

Try another channel (weak signal)

Check aerial (plugged into TV?)

Check aerial (broken lead?)

Check aerial

Check for local interference

Adjust contrast

Adjust brightness

Adjust colour

Adjust volume

Check the batteries in remote control

Check Audio/Video sockets (VCR only)