APPENDIX H

: USER'S MANUAL

Connections of
Back panel

1   2   3   4   5
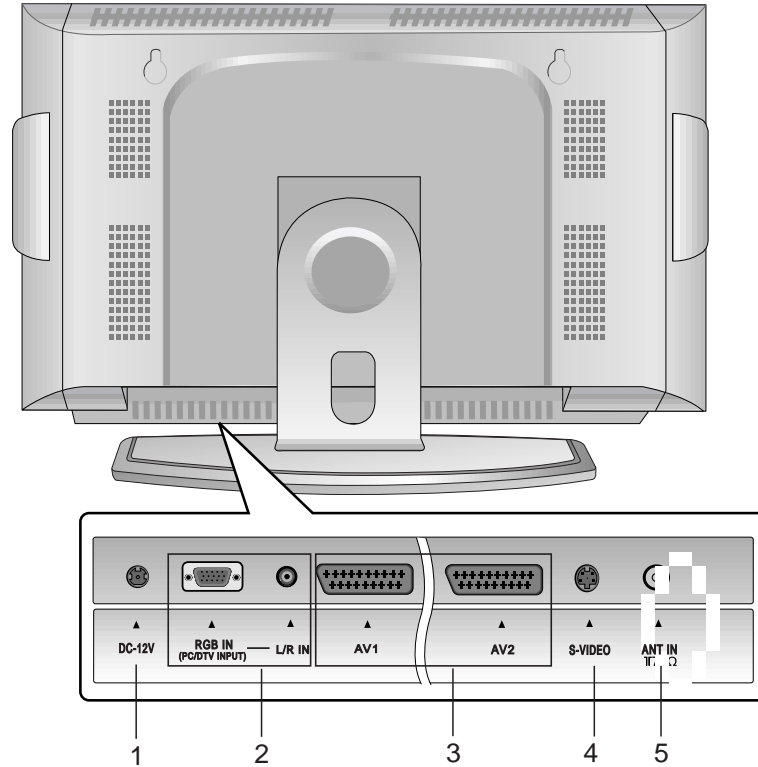
1. POWER CORD SOCKET

2. RGB INPTUT(PC/DTV INPUT) / L/R IN
Connect the set output socket of the PERSONAL COM-
PUTER to this socket.

3. EURO SCART SOCKET
connect the euro scart socket of the VCR to these sock-
ets.

4. S-VIDEO INPUT
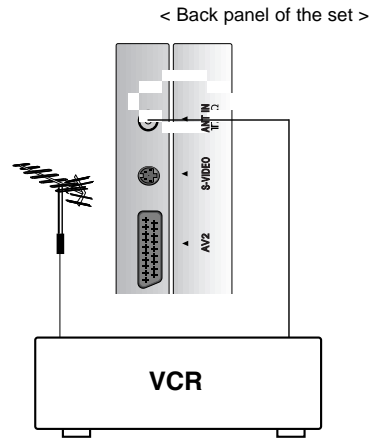connect video out from an S-VIDEO VCR to the S-
VIDEO input.

5. AERIAL SOCKET
connect the RF socket of the VCR to the aerial sockets.

7

You can connect additional equipment, such as VCRs, camcorders etc. to your set. Examples are shown below.

1
Aerial socket

< Back panel of the set >

VCR

1. Connect the RF out socket of the VCR to the aerial socket 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.
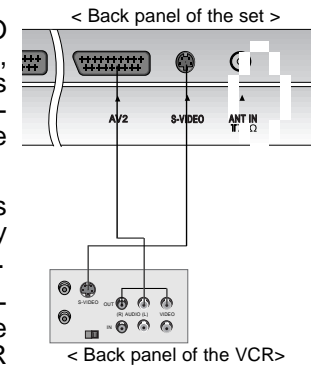
5. Press the **PLAY** button on the VCR.

2
Watching VCR

< Back panel of the set >

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

  If a 4:3 picture format is used;the fixed imgae may remain visible on the screen.

- To avoid picture noise (interference), leave an adequate distance between the VCR and set.
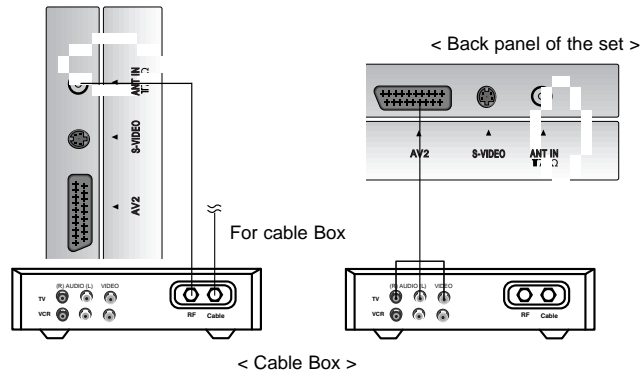
< Back panel of the VCR>

1. Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.
(If connected to **S-VIDEO**, select the **SAV** external input source.)

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

3

Watching Cable TV

< Back panel of the set >

< Back panel of the set >

ANT IN
S-VIDEO
AV2

AV2   S-VIDEO   ANT IN

For cable Box

(R) AUDIO (L)   VIDEO
TV
VCR
RF   Cable

(R) AUDIO (L)   VIDEO
TV
VCR
RF   Cable

< Cable Box >

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

In using connection 1
1. Select programme number in programme switch of cable box.
2. Match the set programme with selected programme of cable box.
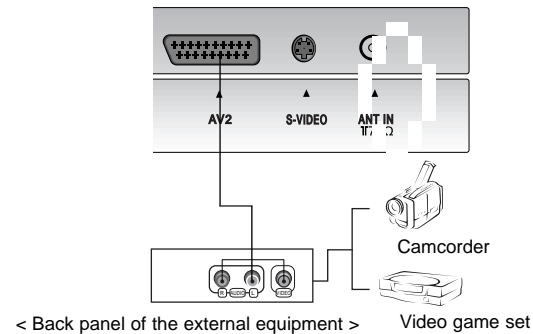3. Select your desired programme with the remote control for cable box.

In using connection 2
1. Use the **INPUT SELECT** button on the remote control and select **AV1** or **AV2**.
2. Tune to cable service provided channels using the cable box.

4

Watching external AV source

< Back panel of the set >

AV2   S-VIDEO   ANT IN

Camcorder

Video game set

< Back panel of the external equipment >

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

1. Use the **INPUT SELECT** button on the remote control to select **AV1** or **AV2**.

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

5

Watching DVD

< Back panel of the set >

AV1	AV2	S-VIDEO	ANT IN

< Back panel of a DVD player >
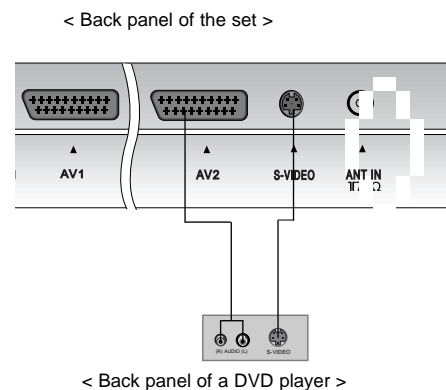
How to connect
Connect DVD Video or S-Video output to VIDEO or S-VIDEO input and DVD Audio outputs to AUDIO INPUT of the TV.
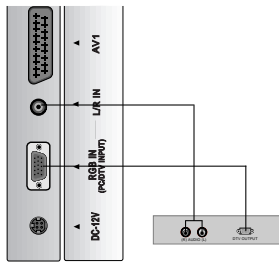
How to use
1. Turn on the DVD player, and insert a DVD.
2. Use **INPUT SELECT** button on the remote control to select **AV1** or **AV2**. Refer to the DVD player's manual for operating instructions.

6
Watching DTV

< Back panel of the set >

< Back panel of a digital SET-TOP BOX >

- To watch digitally broadcast programs, purchase and connect a digital set-top box.
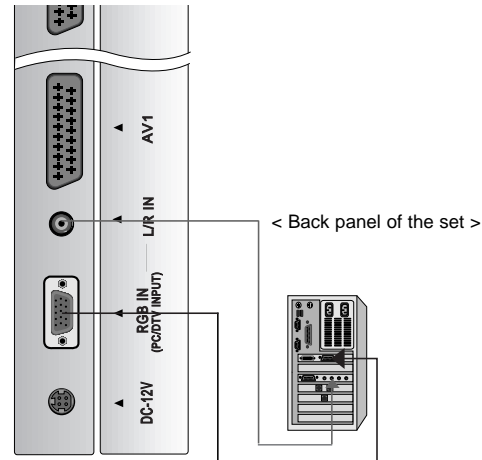
How to connect
Use the set's RGB jack for video connections, depending on your set-top box connector. Then, make the corresponding audio connections.

How to use
1. Turn on the digital set-top box. (Refer to the owner's manual for the digital set-top box.)
2. Use **INPUT SELECT** button on the remote control to select PC.

7
Connecting PC

< Back panel of the set >

1. Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the **RGB INPUT (PC/DTV INPUT)** socket of the set.
2. Connect the audio cable from the PC to the **L/R IN** sockets of the set.
3. Press the **INPUT SELECT** button to select PC.
4. Switch on the PC, and the PC screen appears on the set.

Basic operation

1
On and Off

Press the **POWER**, ▲ / ▼, **INPUT SELECT** or NUMBER buttons to switch it on fully.

Press the **POWER** button. The set reverts to standby mode.

Pull out mains plugs to switch the set off.

Note : If, while the set is switched on, the mains plug is disconnected the set will switch to standby or power on when the mains plug is replaced in the mains power socket.

2
Programme selection

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

3
Volume adjustment

Press the ◄ / ► button to adjust the volume.

4
Quick view

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

Note : This function works only when *Favourite programme* is set to *Off*. Otherwise each press of this button will select a stored favourite programme.

5
Mute function

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

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

6
On screen language selection (option)

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

Repeatedly press the **MENU** button to select the Special menu.

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

Press the **OK** button.

Press the ▲ / ▼ button to select your desired language.

Press the **OK** button.

All the on screen displays will appear in the selected language.

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

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

1

Repeatedly press the **MENU** button to display each menu.

2

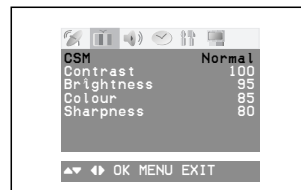Press the ▲ / ▼ button to select a menu item.

The selected menu item changes from white to red.

3

Press the ◄ / ► button to change the setting of a menu item or **OK** button to display the sub menu.
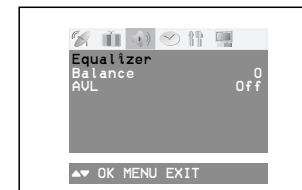
```
Auto programme
Manual programme
Programme edit
Favourite programme



▲▼ OK MENU EXIT
```

Station menu

```
CSM            Normal
Contrast          100
Brightness         95
Colour             85
Sharpness          80


▲▼ ◄► OK MENU EXIT
```

Picture menu

```
Equalizer
Balance             0
AVL               Off



▲▼ OK MENU EXIT
```

Sound menu

```
Input              TV
Child lock        Off
Auto sleep        Off
Language


▲▼ ◄► MENU EXIT
```

Special menu

```
Clock          --:--AM
Off time       --:--AM
                   Off
On time        --:--AM
               Pr.   1
               VOL.30
                   Off
▲▼ ◄► OK MENU EXIT
```
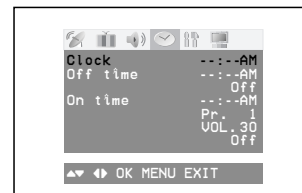
Time menu

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 ▲ / ▼ or NUMBER buttons to scan the stations you have programmed. Stations can be tuned using automatic or manual modes.

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

1

Repeatedly press the **MENU** button to select the Station menu.

2

Press the ▲ / ▼ button to select **Auto programme**.

Press the **OK** button to display the **Auto programme** menu.

Press the ▲ / ▼ button to select **System**. Select a TV system with the ◄ / ► button;
L : SECAM L/L' (France)
BG : PAL B/G, SECAM B/G (Europe/East Europe)
I : PAL I/II (U.K./Ireland)
DK: PAL D/K, SECAM D/K (East Europe)

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

Select the beginning programme number with the ◄ / ► button or NUMBER buttons. Any number under 10 is entered with a numeric **'0'** in front of it, i.e. **'05'** for 5.

Press the **OK** button.

3

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

Press the **OK** button to begin auto programming.

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

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

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

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

System	BG
Storage from	1
Start	

▲▼ ◄► MENU EXIT

System	BG
Storage from	1
Start	

▲▼ ◄► MENU EXIT

System	BG
Storage from	1
Start	C 02

MENU

14

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 ▲ / ▼ button to select **Manual programme**.

Press the **OK** button to display the **Manual programme** menu.

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

Select the desired programme number (0 to 99) with the ◄ / ► button or NUMBER buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.

Press the **OK** button.

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

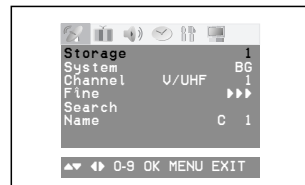Select a TV system with the ◄ / ► button on the **System** pull-down menu;
L : SECAM L/L' (France)
BG : PAL B/G, SECAM B/G (Europe/East Europe)
I : PAL I/II (U.K./Ireland)
DK : PAL D/K, SECAM D/K (East Europe)

Press the **OK** button.

3

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 directly with the number buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.
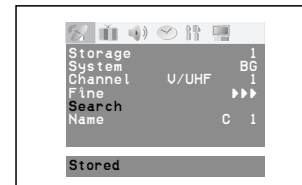
Press the **OK** button.

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

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

Press the **OK** button to store it. The display **Stored** will appear.

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

```
Auto programme
Manual programme
Programme edit
Favourite programme

▲▼ OK MENU EXIT
```

```
Storage          1
System          BG
Channel   V/UHF  1
Fine           ▶▶▶
Search
Name         C  1

▲▼ ◄► 0-9 OK MENU EXIT
```

```
Storage          1
System          BG
Channel   V/UHF  1
Fine           ▶▶▶
Search
Name         C  1

Stored
```

15

4

Repeatedly press the **MENU** button to select the Station menu.

Press the ▲ / ▼ button to select **Manual programme**.

Press the **OK** button to display the **Manual programme** menu.

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

Press the ▶ button and then ▲ / ▼ button to use a blank, +, -, the numeric **0** to **9** and the alphabet **A** to **Z**.
Select the next position by pressing the ◀ / ▶ button and then make your choice of the second character, and so on.

Press the **OK** button.

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

Fine tuning

Repeatedly press the **MENU** button to select the Station menu.

Press the ▲ / ▼ button to select **Manual programme**.

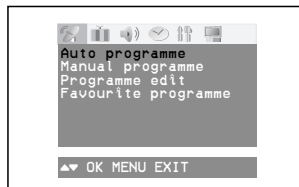Press the **OK** button to display the **Manual programme** menu.

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

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

Press the **OK** button.

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

The finely tuned programme will be indicated by a yellow number during programme selection.


```
Auto programme
Manual programme
Programme edit
Favourite programme


▲▼ OK MENU EXIT
```



```
Storage              1
System              BG
Channel    U/UHF     1
Fine               ▶▶▶
Search
Name            C   1

▲▼ ◀▶ OK MENU EXIT
```
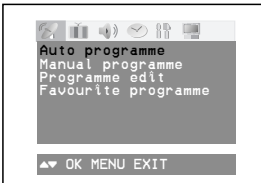
This function enables you to delete or skip the stored programmes. Also you can move some stations to other programme numbers or insert a blank station data into the selected programme number.

1

Repeatedly press the **MENU** button to select the Station menu.

Press the ▲ / ▼ button to select **Programme edit**.

Press the **OK** button to display the **Programme edit** menu.

2

Deleting a programme

Select a programme to be deleted with the ▲ / ▼ or ◄ / ► button.

Press the RED button twice.

The selected programme is deleted, all the following programmes are shifted up one position.

3

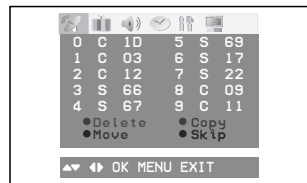**Copying a programme**

Select a programme to be copied with the ▲ / ▼ or ◄ / ► button.

Press the GREEN button.

All the following programmes are shifted down one position.

4

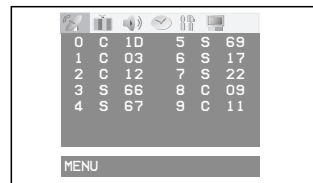**Moving a programme**

Select a programme to be moved with the ▲ / ▼ or ◄ / ► button.

Press the YELLOW button.

Move the programme to the desired programme number with the ▲ / ▼ or ◄ / ► button.

Press the YELLOW button again to release this function.

5

Skipping a programme number
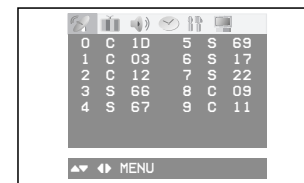
Select a programme number to be skipped with the ▲ / ▼ or ◄ / ► button.

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

Press the BLUE button again to release the skipped programme.

When a programme number is skipped it means that you will be unable to select it using the ▲ / ▼ button during normal TV viewing. If you want to select the skipped programme, directly enter the programme number with the NUMBER buttons or select it in the programme edit or table menu.

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

Auto programme	
Manual programme	
Programme edit	
Favourite programme	
▲▼ OK MENU EXIT	

0 C 1D	5 S 69
1 C 03	6 S 17
2 C 12	7 S 22
3 S 66	8 C 09
4 S 67	9 C 11
●Delete ●Copy	
●Move ●Skip	
▲▼ ◄► OK MENU EXIT	

0 C 1D	5 S 69
1 C 03	6 S 17
2 C 12	7 S 22
3 S 66	8 C 09
4 S 67	9 C 11
MENU	

0 C 1D	5 S 69
1 C 03	6 S 17
2 C 12	7 S 22
3 S 66	8 C 09
4 S 67	9 C 11
▲▼ ◄► MENU	

Favourite programme

This function lets you select your favourite programmes directly.

Repeatedly press the **MENU** button to select the
Station menu.

Press the **▲ / ▼** button to select **Favourite programme**.

Press the **OK** button to display the **Favourite programme** menu.

Press the **◄ / ►** button to select **On** or **Off**.

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

Select a desired programme with the **◄ / ►** button or NUMBER buttons. Any number under 10 is entered with a numeric '**0**' in front of it, i.e. '**05**' for 5.

You can store up to 5 programmes.

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

Repeatedly press the **Q.VIEW** button to select stored favourite programmes.

```
off
-- -----
-- -----
-- -----
-- -----
-- -----

▲▼ ◄► OK MENU EXIT
```

Calling the programme table

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

Displaying programme table

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

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

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 channel number shown in the programme table indicate there is no station 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.
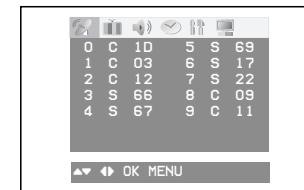
Paging through a programme table

There are 10 programme table pages in which contain 100 programmes.
Pressing the **▲ / ▼** or **◄ / ►** button repeatedly turns the pages.
Repeatedly press the **MENU** button to return to normal TV viewing.

```
0  C  1D    5  S  69
1  C  03    6  S  17
2  C  12    7  S  22
3  S  66    8  C  09
4  S  67    9  C  11

▲▼ ◄► OK MENU
```

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

1

CSM (Colour Status Memory)

To initialize values (reset to default settings), select the **Normal** option. When adjusting color temperature options (red, green or blue) manually, CSM is automatically changed to **User**.

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

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

Press the ► button and then ▲ / ▼ button to select the desired colour temperature.

Press the **MENU** button to save.

2
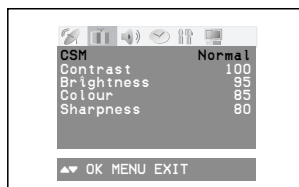
Picture adjustment

Repeatedly press the **MENU** button to select the Picture menu.

Press the ▲ / ▼ button to select the desired picture item.

Press the ◄ / ► button to make appropriate adjustments.

Press the **OK** button to store it for the picture **User**.

The display **Stored** appears.

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

You can also recall a desired picture (**Dynamic**, **Standard**, **Mild**, **Game** or **User**) with **PSM** button on the remote control.

The picture **Dynamic**, **Standard**, **Mild** and **Game** are programmed for optimum picture reproduction at the factory and cannot be changed.
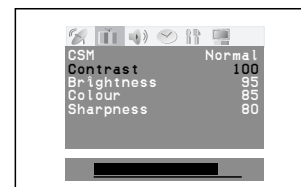
3

Picture format

You can watch TV in various picture formats; 16:9, 14:9, 4:3, Zoom 1, Zoom 2, Auto.
Repeatedly press the **ARC** button to select your desired picture format.

1. Press the **ARC** button to select a desired picture format.

• Each press of **ARC** button changes the screen display as shown below.
• You can also select **16:9**, **14:9**, **4:3**, **Zoom 1**, **Zoom 2**, **Auto** in the SCREEN menu.

Note :
a. **16:9** and **4:3** are available in PC mode only.
b. If 4:3 is on the screen for a long time, that fixed image may remain visible.
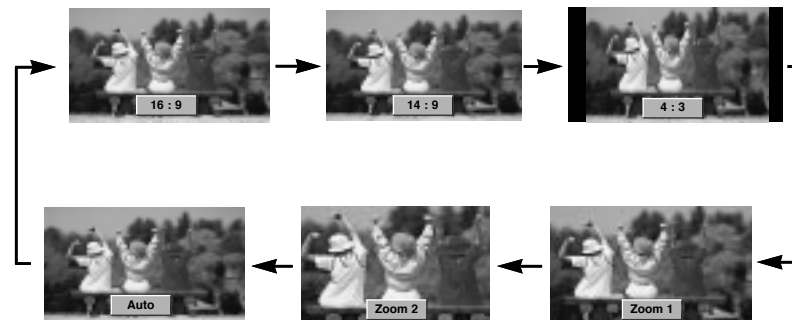
You can select your preferred sound setting; Flat, Music, Movie or Speech and you can also adjust the sound frequency of equalizer, balance. If you switch AVL to on, the set automatically keeps on an equal volume level even if you change programmes.

1

Sound adjustment

Repeatedly press the **MENU** button to select the Sound menu.

Press the ▲ / ▼ button to select the desired sound item; **Equalizer**, **Balance** or **AVL**.

Press the ◄ / ► button to make desired adjustment.

Press the **OK** button in **Equalizer** to set the **Equalizer User**.

Press the ▲ / ▼ button to select your preferred setting ; **Flat**, **Music**, **Movie**, **Speech** or **User**.

To set the **Equalizer User**,
a. Select **User** by pressing the ▲ / ▼ button.
b. Select a sound band by pressing the ◄ / ► button.
c. Select appropriate sound level with the ▲ / ▼ button.
d. Press the **OK** button to store it for the sound **User**.

The display **Stored** appears.

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

You can also recall a desired sound setting (**Flat**, **Music**, **Movie**, **Speech** or **User**) with **SSM** button on the remote control. The sound settings **Flat**, **Music**, **Movie** and **Speech** are programmed for optimum sound reproduction at the factory and cannot be changed.

2

Stereo/Dual reception
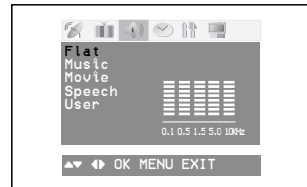
When a programme is selected, the sound information for the station appears after the programme number and station name disappear.

Mono sound selection

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

```
Equalizer
Balance          0
AVL            Off


▲▼ OK MENU EXIT
```

```
Flat
Music
Movie
Speech
User
           0.1 0.5 1.5 5.0 10Hz

▲▼ ◄► OK MENU EXIT
```

Sound adjustment

Language selection for dual language broadcast

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

DUAL I sends the primary broadcast language to the loudspeakers.

DUAL II sends the secondary broadcast language to the loudspeakers.

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

3

NICAM reception (option)

If your set is equipped with the receiver for NICAM reception, the high quality NICAM (Near Instantaneous Companding Audio Multiplex) digital sound can be received.
Sound output can be selected according to the type of received broadcast as follows by pressing the **I/II** button repeatedly.

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

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

4

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 loud-speaker and audio signal from audio R input is sent to right loud speaker.

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

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

1

Clock

You must set the time correctly before using on/off time function.
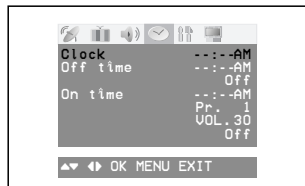
Repeatedly press the **MENU** button to select the Time menu.

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

Press the ▶ button and then press the ▲ / ▼ button to select the desired timer item (hour, minutes).

Make desired adjustment with the ▲ / ▼ button on the desired timer item.

Press the **OK** button.

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

2

Off time

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

Repeatedly press the **MENU** button to select the Time menu.

Press the ▲ / ▼ button to select **Off time**.

Press the ▶ button and then press the ▲ / ▼ button to select the desired timer item (hour, minutes).

Make desired adjustment with the ▲ / ▼ button on the desired timer item.

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

Press the **OK** button.

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

3

On time

The on timer automatically switches on at the preset time with desired programme number and volume.

Repeatedly press the **MENU** button to select the Time menu.

Press the ▲ / ▼ button to select **On time**.

Press the ▶ button and then press the ▲ / ▼ button to select the desired timer item; **--:--**, **Pr.** or **VOL.**.

Make desired adjustment with the ▲ / ▼ button on the desired timer item.

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

Press the **OK** button.

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

```
  ⚙ ❚❚ ◀)) ✓ ↕↕ ▥
Clock          --:--AM
Off time       --:--AM
                   Off
On time        --:--AM
               Pr.  1
               VOL.30
                   Off
▲▼ ◀▶ OK MENU EXIT
```

Note :
a. In the event of power interruption (disconnection or power failure), the clock must be reset.
b. Two hours after the set is switched on by the on time function it will automatically switch back to standby mode unless a button has been pressed.
c. Once the on or off time is set, these functions operate daily at the preset time.

Other functions

1
TV, AV and PC modes

Inputs can be set for TV, AV or PC 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.

Repeatedly press the **MENU** button to select the Special menu.
Press the ▲ / ▼ button to select **Input**.
Press the ◄ / ► button to select **TV**, **AV1**, **AV2**, **SAV** or **PC**.
The three AV and PC modes are :
AV1: VCR connected to the Euro scart socket of the set
AV2: VCR connected to the **AV 2** of the set
SAV: S-VIDEO VCR connected to the **S-VIDEO** sockets of the set
PC : PERSONAL COMPUTER connected to the PC socket of the set

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

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

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

2
Child lock

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

Repeatedly press the **MENU** button to select the Special menu.

Press the ▲ / ▼ button to select **Child lock**.

Press the ◄ / ► button on the remote control handset to select **On**.

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

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

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

```
Input          TV
Child lock     Off
Auto sleep     Off
Language

▲▼ ◄► MENU EXIT
```

24

3

Auto AV switching

If your VCR outputs an AV switching voltage when connected to the Euro scart socket, the set will switch to **AV1**, **AV2** mode automatically. But if you want to keep on watching in TV mode, press the ▲ / ▼ or NUMBER buttons. Press the INPUT SELECT button to return to AV modes.

Note : If both **AV1**, **AV2** sockets have been connected to the VCRs simultaneously, only the **AV2** can be received.

4

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.

Repeatedly press the **MENU** button to select the Special-menu.
Press the ▲ / ▼ button to select **Auto sleep**.
Press the ◄ / ► button to select **On**.
Repeatedly press the **MENU** button to return to normal TV viewing.

```
 ⌗ ▮▮ ◄)) ⌵ ▦ ▦
Input              TV
Child lock        Off
Auto sleep        Off
Language

▲▼ ◄► MENU EXIT
```

5

Sleep timer

You don't have to remember to switch the set off before you go to sleep. The sleep timer automatically switches the set to standby after the preset time has elapsed. Press the **SLEEP** button to select the number of minutes. The display ⏻ **0** will appear on the screen, followed by **10**, **20**, **30**, **60**, **90**, **120**, **180** and **240**. The timer begins to count down from the number of minutes selected.

Note :
-To view the remaining sleep time, press the **SLEEP** button once.
-To cancel the sleep time, repeatedly press the **SLEEP** button until the display ⏻ **0** appears.
-In the event of power interruption (disconnection or power failure), the set releases the preset sleep time.

25

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

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

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

1

Switch on/off

Press the **TEXT** button to switch to teletext. The initial page or last page appears on the screen.

Two page numbers, TV station name, date and time are displayed on the screen headline. The first page number indicates your selection, while the second shows the current page displayed.

Press the **TEXT** or **INPUT SELECT** button to switch off teletext. The previous mode reappears.

2

SIMPLE text

Page selection

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.

The ▲ / ▼ button can be used to select the preceding or following page.

Programming a colour button in LIST mode

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

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

Press a coloured button.
Using the NUMBER buttons, select the page you wish to programme.

Press the **OK** button. Then the selected page is stored as the selected page number with blinking once. From now on, you can select this page with the same coloured button.

The three other coloured buttons are programmed in this way.

3

TOP text (option)

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

Block / group / page selection

With the blue button you can progress from block to block.

Use the yellow button to proceed to the next group with automatic overflow to the next block.

With the green button you can proceed to the next existing page with automatic overflow to the next group.

Alternatively the ▲ button can be used.

The red button permits to return to previous selection. Alternatively the ▼ button can be used.

Direct page selection

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

4

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

Press the ⌐≡i⌐ button to select the index page.

You can select the pages which are colour coded along the bottom line with the same coloured buttons.

Corresponding to the SIMPLE teletext mode, you can select a page by entering its three digit page number with the NUMBER buttons in FASTEXT mode.

The ▲ / ▼ button can be used to select the preceding or following page.

5

Special teletext functions

⊟?

REVEAL

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

⊟⬍

SIZE

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

⊟x

UPDATE

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

⊟⧗

HOLD

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

⊟⁄

MIX

Displays the teletext pages superimposed on the TV picture.
To switch the TV picture off press this button again.

⊟⊕

TIME

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

1

PC in socket (D-Sub jack)

1. Connect the signal cable from the monitor output socket of the PERSONAL COMPUTER to the PC input socket of the set.
2. Connect the audio cable from the PC to the **PC SOUND** sockets of the set.
3. Press the **INPUT SELECT** button to select **PC**.
4. Switch on the PC, and the PC screen appears on the set.
   The set can be operated as the PC monitor.

Note : If you have an Apple macintosh, connect the VGA desktop block (not supplied) from the 3 row 15 pin to 2 row 15 pin with the signal cable and connect the VGA desktop block to the Macintosh.

Displayable Monitor Specification

Proposed	Resolution	H-freq(KHZ)	V-freq(HZ)	Pixel clock(MHZ)
DOS	720x400	37.9KHz	70Hz	35.50MHz
VESA(VGA)	640x480	31.5KHz	60Hz	25.17MHz
VESA(VGA)	640x480	35KHz	70Hz	28.560MHz
VESA(VGA)	640x480	37.9KHz	72Hz	31.50MHz
VESA(VGA)	640x480	37.5KHz	75Hz	31.50MHz
VESA(SVGA)	800x600	35.1KHz	56Hz	36.00MHz
VESA(SVGA)	800x600	37.9KHz	60Hz	40.00MHz
VESA(SVGA)	800x600	43.75KHz	70Hz	45.5MHz
VESA(SVGA)	800x600	48.1KHz	72Hz	50.00MHz
VESA(SVGA)	800x600	46.9KHz	75Hz	49.50MHz
VESA(XGA)	1024x768	48.4KHz	60Hz	65.00MHz
VESA(XGA)	1024x768	56.5KHz	70Hz	75.00MHz
VESA(XGA)	1024x768	57.672KHz	72Hz	78.434MHz
VESA(XGA)	1024x768	60.0KHz	75Hz	78.75MHz
VESA(SXGA)	1152x864	67.5KHz	75Hz	108.00MHz
VESA(WXGA)	1280x768	47.7KHz	60Hz	80.136MHz

(Synchronization input form : separate)

Note :
a. If the set is cold, there may be a small "flicker" when the set is switched on. This is normal, there is nothing wrong with the set.
b. If possible, use the VESA 1,024x768@60Hz video mode to obtain the best image quality for your LCD monitor. If used under the other resolutions, some scaled or processed pictures may appear on the screen. If used to PC vertical frequency 85Hz, some noise can be seen when PIP is on. In this case, set the PC vertical frequency to 60Hz. The set has been pre-adjusted to the mode VESA 1,024x768@60Hz.
c. Some dot defects may appear on the screen, like Red, Green or Blue spots. However, this will have no impact or effect on the monitor performance.
d. Do not press the LCD screen with your finger for a long time as this may produce some temporary distortion effects on the screen.
e. When the PC screen appears on the set, a message may appear on the screen, and the message will differ according to the Window system version (Win98, 2000). If a message appears click "Next" until the message finishes.
f. If the message "*out of Range*" appears on the screen, adjust the PC as in the 'Displayable Monitor Specification' section.

2

Picture adjustment

You can adjust picture contrast, brightness, horizontal/vertical position, clock, clock phase, auto-configure and reset as you prefer.

1. Repeatedly press the **INPUT SELECT** button to select the PC monitor mode.
2. Press the **MENU** button to select the Picture menu.
3. Press the ▲ / ▼ button to select the desired picture item.
4. Press the ◄ / ► button to make appropriate adjustments.

H-Position / V-Position
This function is to adjust picture to left/right and up/down as you prefer.

Clock
This function is to minimize any vertical bars or stripes visible on the screen background. And the horizontal screen size will also change.

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

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

Note : Some signal from some graphics boards may not function properly. If the results are unsatisfactory, adjust your monitor's position, clock and clock phase manually.

Reset
This function allows you to return to the good picture reproduction programmed at the factory and cannot be changed.

Wxga
To see a normal picture, match the resolution of RGB mode and selection of Wxga(1280x768) mode.

5. Press the **OK** button to store it for the PC monitor picture.
   The display **Stored** appears.
6. Press the **MENU** button to return to PC mode.

```
Input              PC
Contrast           80
Brightness         60
H-Position          0
V-Position          0
Clock              40
Clock phase        13
Auto-configure
Reset
Wxga               on

▲▼ ◄► OK MENU EXIT
```
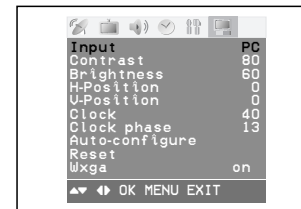
FCC COMPLIANCE STATEMENT

Note :
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These llimits Are designed to provide reasonable protection against radio frequency Interference in a residential installation. This equipment generates, uses And can radiate radio frequency energy. If not installed and used in Accordance with the instructions, it may cause intrerference to radio communications. However, there is no guarantee that interference will Not occur in a particular installation. If this equipment does cause Interference to radio or telecision reception(this can be determined by Turning this equipment off and on), the user is encouraged to try to Correct the interference by one or more of the following measures :
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connent the equipment to an outlet on a circuit different from that to which the receiver is connected.
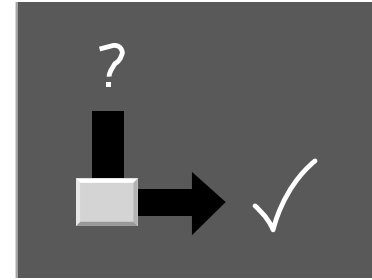
CAUTION TO THE USER :

The Federal Communications Commission warns that changes or Modifications to the unit not expressly approved by the party responsible For compliance could void the user's authority to operate the equipment.
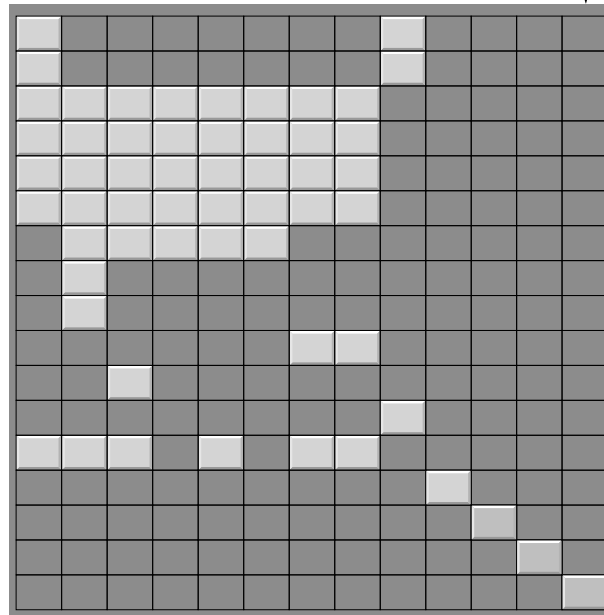
Symptoms

- No picture, no sound
- Sound OK, poor picture
- Picture OK, poor sound
- Picture blurred
- Lines or streaks in picture
- Poor reception on some channels
- No colour
- Poor colour
- Remote control does not work
- Incorrect position
- Vertical bars or stripes on background
- Horizontal noise
- Signal Cable message appears

Check these items and try to adjust these

Check these items	No picture, no sound	Sound OK, poor picture	Picture OK, poor sound	Picture blurred	Lines or streaks in picture	Poor reception on some channels	No colour	Poor colour	Remote control does not work	Incorrect position	Vertical bars or stripes on background	Horizontal noise	Signal Cable message appears
The mains plug-(plugged in and switched on)	✓								✓				
Is the TV switched on	✓								✓				
Try another channel (weak signal)	✓	✓	✓	✓	✓	✓	✓	✓					
Check aerial (plugged into TV?	✓	✓	✓	✓	✓	✓	✓	✓					
Check aerial (broken lead?)	✓	✓	✓	✓	✓	✓	✓	✓					
Check aerial	✓	✓	✓	✓	✓	✓	✓	✓					
Check for local interference		✓	✓	✓	✓								
Adjust contrast		✓											
Adjust brightness		✓											
Adjust colour							✓	✓					
Adjust volume			✓										
Check the batteries in remote control									✓				
Check Audio/Video sockets (VCR only)	✓	✓		✓		✓	✓	✓					
Auto-configure or adjust the H/V position										✓			
Auto-configure or adjust Clock											✓		
Auto-configure or adjust Clock Phase												✓	
Is the Signal Cable connected or loose													✓