Colour television

21PT1727

Operating Instructions

PHILIPS

TABLE OF CONTENTS

Recycling Directive – To minimise harm to the environment, the batteries supplied with the TV set do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available to you. Your TV set uses materials which are reusable or which can be recycled. To minimise the amount of waste in the environment, specialist companies recover used sets for dismantling and collection of reusable materials (contact your dealer).

2

SAFETY INFORMATION AND USEFUL TIPS

Safety Information

- Disconnect mains plug when :
- the red light below the TV screen is flashing continuously.
- a bright white line is displayed across the screen.
- cleaning the TV screen. Never use abrasive cleaning agents. Use a slight damp chamois leather or soft cloth.
- there is a lightning storm.
- the set is left unattended for a prolonged period of time.

- No naked flame sources, such as lighted candles, should be placed on top of the TV or in the vicinity.

- Do not place your TV set under direct sunlight or heat.

- Leave at least 5 cm around each side of TV set to allow for proper ventilation.

- Avoid placing your set (e.g. near the window) where it is likely to be exposed to rain or water.

- No objects filled with liquids should be placed on top the TV so as to avoid dripping or splashing of liquids on the set.

Useful Tips

- Do not leave your set on standby mode for a prolonged period of time. Switch off set to allow it to be demagnetised. A demagnetised set supports good picture quality.

- Do not shift or move the set around when it is switched on. Unevenness in colour in some parts of the screen may occur.

- Never attempt to repair a defective TV yourself. Always consult a skilled service personnel.

3

BEFORE CALLING SERVICE

Below is a list of frequently occurred symptoms. Before you call for service, make these simple checks. Some of these symptoms can easily be rectified if you know what to do.

| **Symptom**	**What you should do**
Colour patch (uneveness)	• Switch off the TV by the mains power button. Wait for 20 minutes before switching on again. • Check the TV is not placed too near speakers or magnetic objects.
No power	• Check the TV's AC power cord is plugged into the mains socket. If there is still no power, disconnect plug. Wait for 60 seconds and re-insert plug. Switch on the TV again.
No picture	• Check the antenna connection at the rear of the TV. • Possible TV station problem. Try another channel.
Good picture but no sound	• Try increasing the volume. • Check that the sound is not muted. If it is muted, press the **Mute** button on the remote control to restore sound.
Good sound but poor colour or no picture	• Try increasing the contrast and brightness setting.
Snowish picture and noise	• Check antenna connection at the rear of the TV.
Horizontal dotted lines	• Possible electrical interference e.g. hairdryer, vacuum cleaner, etc. Switch off appliances.
Double images or "Ghost" images	• Possible poor positioning of antenna. Using a highly directional antenna may improve reception.
TV not responding to remote control handset	• Check life span of batteries of remote control handset. • Aim remote control handset directly at remote control sensor lens on the TV.

4

HOOKING UP YOUR TV (BASIC CONNECTION)
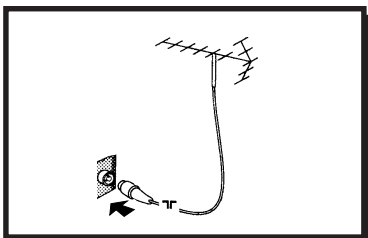
Antenna Connection

- Connect the aerial plug to the antenna socket ⊤⊤ on the backcover.

- Insert the mains plug into the wall socket.
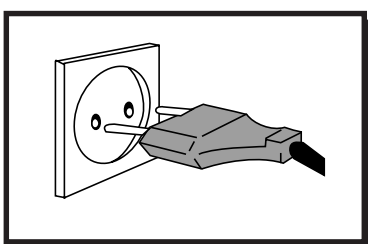
Mains Connection

- For correct mains voltage, refer to type sticker at the rear of the TV set

- Consult your dealer if mains supply is different.
  Note : This diagram is not representative of the actual plug and socket.
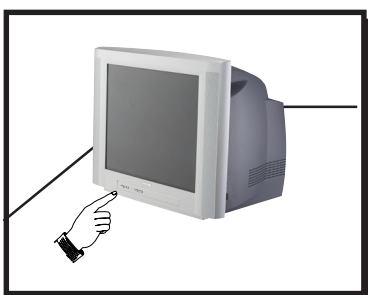
Switching on the Set

- Press the main power button to switch on/ off the TV.
- If the set is on standby (indicator is red), press the **Power** button on the remote control to switch on set.

USE/CARE OF REMOTE CONTROL
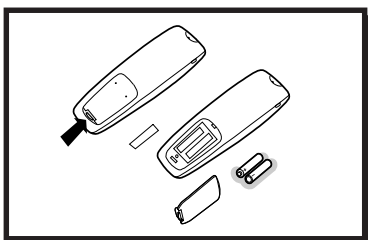
- Insert the correct type of batteries into the compartment.

- Ensure the batteries are placed in the right direction.

5

CONNECTING THE AUDIO/VIDEO SOCKETS (PLAYBACK)

AV sockets on the rear of TV

Back of VCR

VCR (equipped with Video and Audio output sockets)
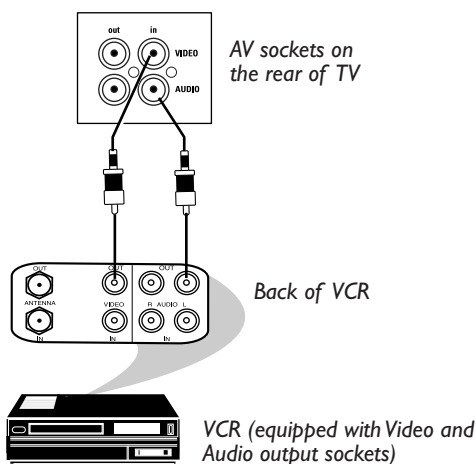
You can view the playback of VCR tapes (Video Disc players, camcorders, etc.) by using the AUDIO and VIDEO INPUT sockets on the rear of the TV.

– Connect the **VIDEO** and **AUDIO IN** sockets on the rear of the TV to the **AUDIO** and **VIDEO OUT** sockets on the VCR.

CONNECTING THE AUDIO/VIDEO SOCKETS (RECORDING)

AV sockets on the rear of TV

Back of VCR

VCR (equipped with Video and Audio output sockets)
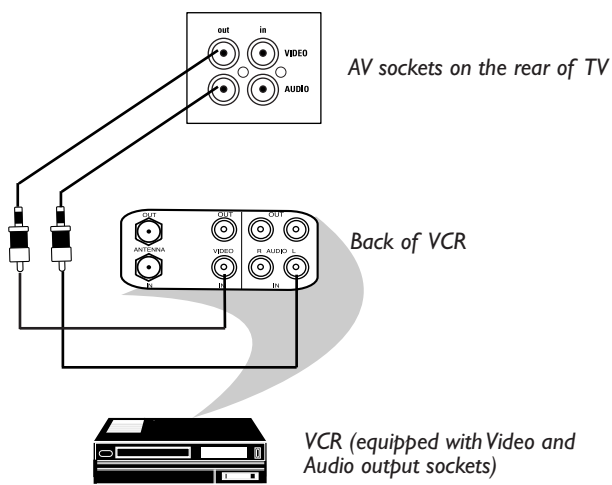
– Connect the sockets of the VCR which you wish to record from, to the corresponding **AV** sockets.

6

1 Power button

– Switch set off temporarily to standby mode. (The red light indicator lights up when the set is on standby mode).
– To switch on set from standby mode, press Channel +/– , Digit (0 -9) or Power button.

2 Personal Zapping buttons

As Personal Zapping buttons, you can surf up to 10 personal channels for each button. For detailed description of functions, refer to section on "Personal Zapping ".

3 Smiley button

Allows to add and store your personal preference channels in your Personal Preference list. For detailed description of functions, refer to section on "Using your Personal Zapping feature".

4 Sleeptimer Button

Allows you to select a time period after which the set will switch to standby mode automatically.

5 Smart Sound Button

Not applicable.

6 Incredible Surround Button

Not applicable.

7 Menu Button

Displays the main menu. Also exits menu from screen.

8 Cursor Up Button

Allows you to select the next item on the menu.
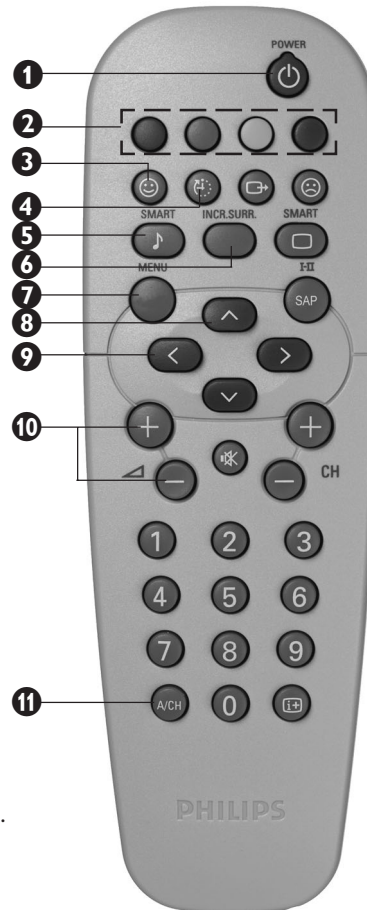
9 Cursor Left Button

Allows you to select the sub-menus and adjust the settings.

10 Volume + / – Button

Increases or decreases volume.

11 A/CH(Alternate channel) Button

Allows you to change between the current channel and the previous channel.

7

⑫ A/V Button
Allows you to select the AV channels.

⑬ Frownie button
Allows to delete stored personal preference channels in your Personal Preference list. For detailed description of functions, refer to section on "Personal Zapping ".

⑭ Smart Picture Button
Press the Smart Picture button repeatedly to access 5 different types of picture settings and choose your desired setting.

⑮ SAP
Not Applicable.

⑯ Cursor Right Button
Allows you to access the sub-menus and adjust the settings.

⑰ Cursor Down Button
Allows you to select the next item on the menu.

⑱ Channel + / – Buttons
Allows you to select channels in ascending or descending order.

⑲ Mute Button
Mutes sound. To restore sound, press button again.

⑳ Digit (0 -9) Buttons
Press to select a channel. For a 2-digit channel number, press the first digit and followed immediately by the second digit.

㉑ OSD button
Allows you to display the current channel number. It also allows to exit menu from the screen after control adjustments.

8
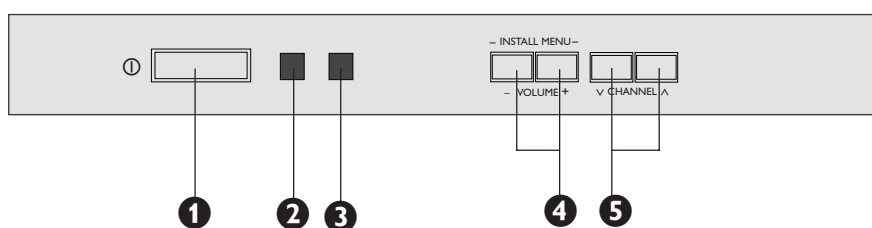
❶	Mains Power button	Switch mains power on or off.
❷	Standby light indicator	Indicate red light when standby mode is activated.
❸	Remote Sensor	Acts as a sensor for activating the controls of the TV when remote control handset is aimed at it.
❹	Volume + / − buttons	Adjust sound volume softer/louder.
❺	Channel ∨ / ∧ buttons	Select channel in descending/ascending order.
❻	Headphone socket	Connect headphone jack to socket for personal listening.

Note
- You can enter the main menu by pressing both the Volume − and + buttons at the same time.
- Press the Channel ∨ or ∧ button to select the next item on the menu.
- Press Volume − or + button to access sub-menu and adjust the settings.

9
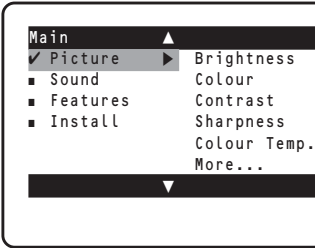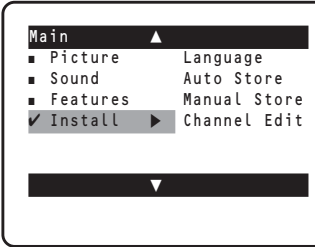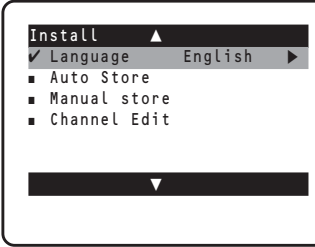
SELECTING THE MENU LANGUAGE

Operating instructions generally explains the operation of the TV
set using the buttons on the remote control unless otherwise stated.
Please read the following instructions carefully and follow the steps
as shown to familiarise yourself with the installations and all features
available in your set.

**Note: When there is no signal input to the TV, you may encounter instability of the
on screen display. In this instance, please use the ⊕ button on your remote
control to select an AV channel.**
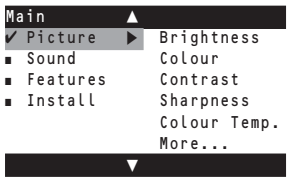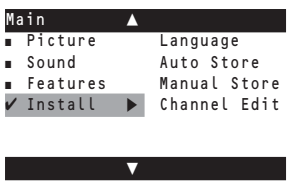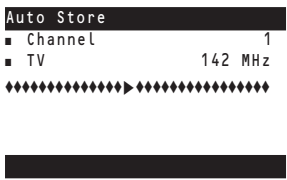
The **Language** feature allows you to set the TV's on-screen menu to be shown in your
desired language.

Step	Press button		Result on screen

1	MENU	Enter main menu.	Main ▲ ✓ Picture ▶ Brightness ▪ Sound Colour ▪ Features Contrast ▪ Install Sharpness Colour Temp. More... ▼
2	∨	Select **Install**.	Main ▲ ▪ Picture Language ▪ Sound Auto Store ▪ Features Manual Store ✓ Install ▶ Channel Edit ▼
3	>	Enter the Install menu.	Install ▲ ✓ Language English ▶ ▪ Auto Store ▪ Manual store ▪ Channel Edit ▼
4	>	Press button repeatedly to cycle through the language list and select the language of your choice.	
5	⊞	Exit menu from screen.	

10

AUTOMATIC TUNING OF CHANNELS

Automatic tuning of channels allows you to store each programme automatically.

Step	Press button		Result on screen

1 — MENU — Enter main menu.

```
Main            ▲
✓ Picture    ▶  Brightness
■ Sound          Colour
■ Features        Contrast
■ Install         Sharpness
                  Colour Temp.
                  More...
                ▼
```

2 — ∨ — Press button repeatedly until **Install** is selected.

```
Main            ▲
■ Picture        Language
■ Sound          Auto Store
■ Features        Manual Store
✓ Install    ▶   Channel Edit

                ▼
```

3 — > — Enter install menu.

```
Install         ▲
✓ Language   ▶ English
■ Auto Store
■ Manual store
■ Channel Edit

                ▼
```

4 — ∨ — Select **Auto Store**.

```
Install         ▲
■ Language
✓ Auto Store              ▶
■ Manual store
■ Channel Edit

                ▼
```

5 — > — Start automatic tuning of channels.

```
Auto Store
■ Channel              1
■ TV            142 MHz

◆◆◆◆◆◆◆◆◆◆◆◆◆◆▶◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆

```

```
Install         ▲
■ Language
✓ Auto Store              ▶
■ Manual store
■ Channel Edit

                ▼
```

6 — 🔲 — When tuning is completed, exit menu from screen.

11

Manual tuning of channels allows you to select your preferred channel number for every available programme.

Step	Press button		Result on screen
1	MENU	Enter main menu.	Main ▲ ✓ Picture ▶ Brightness ▪ Sound Colour ▪ Features Contrast ▪ Install Sharpness Colour Temp. More... ▼
2	∨	Press button repeatedly until **Install** is selected.	Main ▲ ▪ Picture Language ▪ Sound Auto Store ▪ Features Manual Store ✓ Install ▶ Channel Edit ▼
3	❯	Enter install menu.	Install ▲ ✓ Language ▶ English ▪ Auto Store ▪ Manual Store ▪ Channel Edit ▼
4	∨	Press button repeatedly until **Manual Store** is selected.	Install ▲ ▪ Language Colour System ▪ Auto Store Sound System ✓ Manual Store ▶ Search ▪ Channel Edit Channel Fine Tune Store ▼
5	❯	Enter manual store menu.	Manual Store ▲ ▪ Colour System ▪ Sound System ✓ Search 79 MHz ▶ ▪ Channel ▪ Fine Tune ▪ Store ▼
6	∨	Press button repeatedly until **Search** is selected.	

12

Step	Press button		Result on screen

7 — `>` — Start manual searching. Searching stops once a transmitting signal is found.

```
Manual Store      ▲
■ Colour System
■ Sound System
✓ Search        128 MHz ▶
■ Channel
■ Fine Tune
■ Store
                  ▼
```

8 — `∨` — Select **Channel**.

9 — ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪ — Key in the channel number.

```
Manual Store      ▲
■ Colour System
■ Sound System
■ Search
✓ Channel         2    ▶
■ Fine Tune
■ Store
                  ▼
```

10 — `∨` — Press button repeatedly until **Store** is selected.

```
Manual Store▲
■ Colour System
■ Sound System
■ Search
■ Channel
■ Fine Tune
✓ Store        Store?▶
          ▼
```

11 — `>` — Store tuned channel.
Note : If you want to continue searching for another transmitting channel, repeat steps 7 to 11.

```
Manual Store▲
■ Colour System
■ Sound System
■ Search
■ Channel
■ Fine Tune
✓ Store        Stored
          ▼
```

12 — `[i+]` — Exit menu from screen.

13

SELECTING THE COLOUR/SOUND SYSTEM

This feature allows you to select your desired **Colour** and **Sound** system. If **Auto** is selected, the respective colour and sound system will be automatically selected according to the transmission system. **Note** : Select your desired colour and sound system manually if reception is poor at **Auto** mode.

Step	Press button		Result on screen

Repeat s**tep 1** to **step 5** as in **"Manual Tuning of TV Channels"**

Colour System is selected.

```
Manual Store        ▲
✓ Colour System      Auto ▶
▪ Sound System
▪ Search
▪ Channel
▪ Fine Tune
▪ Store
                    ▼
```

6 < or >

Select the desired colour system (**Auto**, **PAL**, **NTSC 3.58**, **NTSC 4.43** or **SECAM**).

```
Manual Store        ▲
✓ Colour System      PAL ▶
▪ Sound System
▪ Search
▪ Channel
▪ Fine Tune
▪ Store
                    ▼
```

7 ∨

Press button repeatedly until **STORE** is selected.

8 >

Store selected system.

```
Manual Store        ▲
▪ Colour System
✓ Sound System
▪ Search
▪ Channel
▪ Fine Tune
▪ Store         Stored
                    ▼
```

9 ∨ or ∧
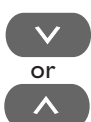
Proceed to select **Sound System**.

```
Manual Store        ▲
▪ Colour System
✓ Sound System      Auto ▶
▪ Search
▪ Channel
▪ Fine Tune
▪ Store
                    ▼
```

10 < or >
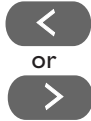
Select the desired sound system (**Auto**, **BG**, **I** or **DK.**

```
Manual Store        ▲
▪ Colour System
✓ Sound System       DK ▶
▪ Search
▪ Channel
▪ Fine Tune
▪ Store
                    ▼
```

11 ∨

Press button repeatedly until **STORE** is selected.

12 >

Store selected system.

```
Manual Store        ▲
▪ Colour System
✓ Sound System
▪ Search
▪ Channel
▪ Fine Tune
▪ Store         Stored
                    ▼
```

13 [i+]

Exit menu from screen.

14
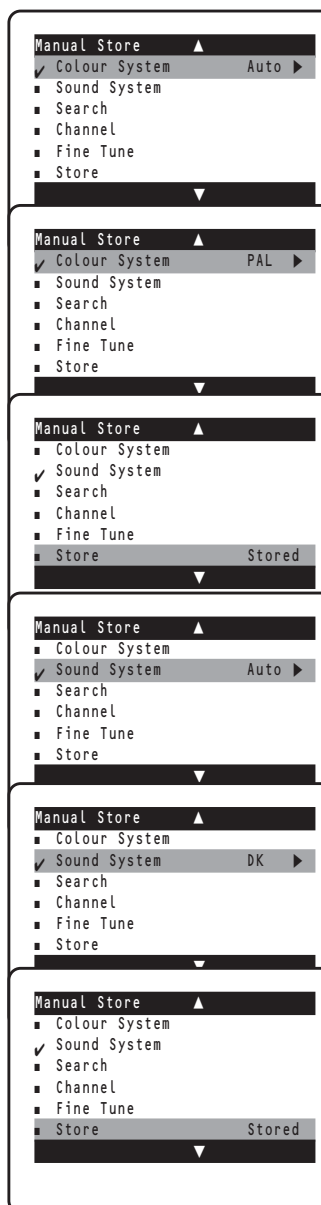
FINE TUNING OF CHANNELS

This feature allows you to adjust picture reception in areas of weak reception.

Step	Press button		Result on screen
1	MENU	Enter main menu.	Main ▲ ✓ Picture ▶ Brightness ■ Sound Color ■ Features Contrast ■ Install Sharpness Colour Temp. More... ▼
2	∨	Press button repeatedly until **Install** is selected.	Main ▲ ■ Picture Language ■ Sound Auto Store ■ Features Manual Store ✓ Install ▶ Channel Edit ▼
3	>	Enter install menu.	Install ▲ ■ Language Colour System ■ Auto Store Sound System ✓ Manual Store ▶ Search ■ Channel Edit Channel Fine Tune Store ▼
4	∨	Press button repeatedly until **Manual Store** is selected.	
	>	Enter manual store menu.	Manual Store ▲ ■ Colour System ■ Sound System ■ Search ■ Channel ✓ Fine Tune ◀�iiiiiiii|iiiiiii▶ ■ Store ▼
6	∨	Press button repeatedly until **Fine Tune** is selected.	
7	> or <	Fine tune until the best reception is obtained.	Manual Store ▲ ■ Colour System ■ Sound System ■ Search ■ Channel ✓ Fine Tune ◀iiiiiiiiiiiii|iii▶ ■ Store ▼
8	∨	Select **Store**.	Manual Store ▲ ■ Colour System ■ Sound System ■ Search ■ Channel ■ Fine Tune ✓ Store Stored ▼
9	>	Store last fine-tuned status.	
10	📺	Exit menu from screen.	

15

EDITING OF CHANNELS

This feature allows you to skip or edit channels which have bad or weak TV signal or channels that you do not watch often. **Note** : Once a channel is skipped, you cannot have access to it by the CH (Channel) + or – button. You can only have access to the channel by the Digit (0 -9) buttons.

Step	Press button		Result on screen

1

MENU

Enter main menu.

```
Main          ▲
■ Picture     Language
■ Sound       Auto Store
■ Features    Manual Store
✓ Install  ▶  Channel Edit

              ▬
```

2

∨

Press button repeatedly until **Install** is selected.

3

>

Enter install menu.

```
Install       ▲
■ Language       Channel
■ Auto Store     Skipped
■ Manual Store
✓ Channel Edit▶

              ▼
```

4

∨

Press button repeatedly until **Channel Edit** is selected.

5
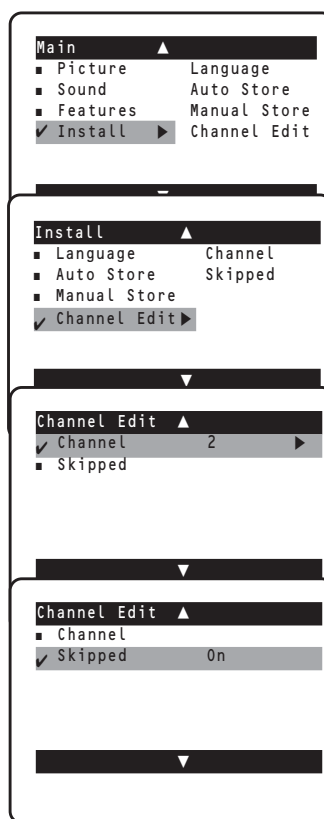
>

Enter **Channel Edit** menu.

```
Channel Edit  ▲
✓ Channel      2    ▶
■ Skipped

              ▼
```

6

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
   ⓪

Key in the channel number to be skipped.

7

∨

Select **Skipped**.

8

>

Select **On** to skip channel.

```
Channel Edit  ▲
■ Channel
✓ Skipped      On

              ▼
```

9

Exit menu from screen.

HOW TO RESTORE SKIPPED CHANNELS

- Repeat **Steps 1** to **5** as in"**Editing of Channels**".
- Key in the channel number to be restored by the **Digit (0 - 9)** button.
- Select **Skipped** by the ∨ button.
- Select **Off** to restore channel by the > button.
- Exit menu from screen by the button.

```
Channel Edit  ▲
■ Channel
✓ Skipped      Off

              ▼
```

16
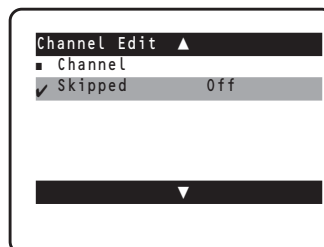
ADJUSTING THE TV PICTURE

The picture menu allows you to make adjustments to the picture.

Step	Press button		Result on screen

1 — MENU — Display the main menu on screen.

```
Main               ▲
✓ Picture    ▶ Brightness
■ Sound         Colour
■ Features      Contrast
■ Install       Sharpness
                Colour Temp
                More...
```

2 — > — Enter **Picture** menu.

```
Picture            ▲
✓ Brightness ◀||||||||||||||59▶
■ Colour
■ Contrast
■ Sharpness
■ Colour Temp
■ NR
```

3 — ∧ or ∨ — Select item.

4 — < or > — Adjust level or select desired setting.

```
Picture            ▲
✓ Colour     ◀||||||||||||||59▶
■ Contrast
■ Sharpness
■ Colour Temp
■ NR
■ Contrast +
                   ▼
```

5 — Exit menu from screen.

Picture menu items	Activities
Brightness	Increase or decrease brightness level.
Colour	Increase or decrease color level.
Contrast	Increase or decrease contrast level.
Sharpness	Increase or decrease sharpness level to improve detail in picture.
Colour temperature	Choose from 3 settings (Normal, Warm or Cool).
NR (Noise Reduction)	Select "**On**" to reduce "noisy" picture (little dots on picture) due to weak signal.
Contrast +	Select "**On**" to allow you to optimise the total contrast for improved picture quality.

17

ADJUSTING THE TV SOUND

The sound menu allows you to make adjustments to Auto Volume leveller (AVL). This feature enables volume to remain at a pre-determined level should there be a sudden change in volume during commercial breaks or channel switching.

Step	Press button		Result on screen
1	**MENU**	Display the main menu on screen.	
2	∨	Select **Sound** menu.	
3	>	Enter **Sound** menu.	
4	< or >	Select **On** to switch on **AVL**.	
5	⊞	Exit menu from screen.	

Main ▲
✓ Picture ▶ Brightness
■ Sound Colour
■ Features Contrast
■ Install Sharpness
Colour Temp.
More...
▼

Main ▲
■ Picture AVL
✓ Sound ▶
■ Features
■ Install
▼

Sound ▲
✓ AVL On
▼

18

USING THE SCREEN FORMAT

You can have a choice of two formats for your viewing pleasure, namely : - **4:3** mode and the **EXPAND 4:3** mode through the **FORMAT** menu.

Step	Press button		Result on screen
1	MENU	Display the main menu on screen.	
2	∨	Press button repeatedly until **Features** is selected.	
3	>	Enter the Features menu.	
4	∨	Press button repeatedly until **Format** is selected.	
5	>	Press the button repeatedly to cycle through the different formats (**4:3** or **Expand 4:3**) or and select your desired format.	
6	⊞	Exit menu from screen.	

```
Main            ▲
■ Picture       Format
■ Sound
✓ Features   ▶
■ Install
```

```
Feature         ▲
✓ Format        4:3 ▶
```

```
Features        ▲
✓ Format     4:3 Expand▶



                ▼
```
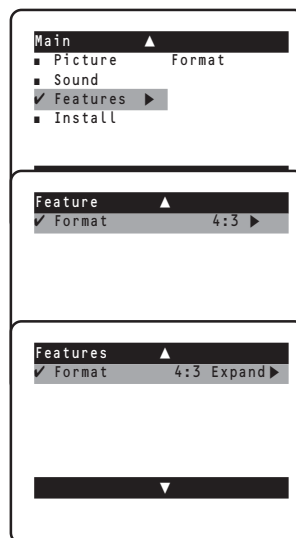
When to use the Screen Formats

4:3 format

Select the 4:3 format if you want to display the 4:3 picture using the full surface of the screen.

Expand 4:3 format

Select the Expand 4:3 format if you want to expand movie images recorded in the letterbox format. When this format is selected, the black horizontal bars at the top and bottom are expanded thus filling up the entire TV screen.

19
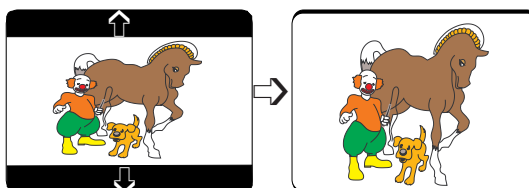
SMART PICTURE CONTROL

Whether you are watching a movie or video game, your TV has automatic video control settings matched to your current program source or content. The Smart Picture feature quickly resets your TV's video controls of program for a number of different types of programs and viewing conditions you may have in your home. Each Smart Picture setting is preset at the factory to automatically adjust the TV's Brightness, Colour, Picture and Sharpness levels.

Step	Press button	
1	▭	Press botton repeatedly to cycle through the 5 settings namely, **Personal**, **DVD/VCD**, **Rich**, **Natural** and **Soft** and select your desired picture setting.
2	⊞	Exit menu from screen.

## Defintion of Picture Settings

Personal : Picture settings are set to your preference.

DVD/VCD : For optimal picture setting, whenever the source is connected to DVD/VCD player, select DVD/VCD setting for AV mode.

Rich : Emphasize very vibrant colours. This setting is the optimal setting when you are viewing TV programmes in a brightly-lit room.

Natural : Emphasize original colours.

Soft : Emphasize "warm" colours. (Suitable for dimly-lit room condition and gives cinema-like effect when light is switched off).

Personal

DVD/VCD

Rich

Natural

Soft

20
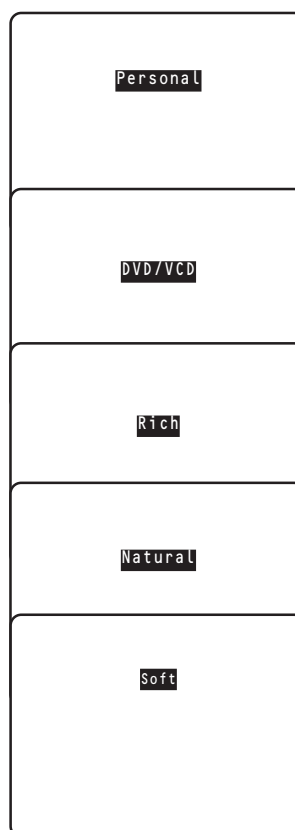
PERSONAL ZAPPING

A list or series of favourite TV programs can be selected and stored in the 4 coloured buttons with the Personal Zapping feature. With this feature you can easily viewed up to a total of **10** preferred channels for each coloured button.

Adding Channels to the Favourite list

Step	Press button		Result on screen
◇ 1	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪	Select a channel by the Digit buttons	`8`
◇ 2	☺	Press button to display list.	`8 ☺ Select List! ●●●●`
◇ 3	●●●●	Choose your favourite colour button to store selected channel.	`☺ 8    Added!`
		Repeat steps **1** to **3** to add and store your avourite channels to the list.	
◇ 4	▣	Exit menu from screen.	

To view through the favourite list

◇ 1	●●●●	Press the colour button that you have selected.
◇ 2	●●●●	Press button repeatedly to cycle through your favourite list and view your favourite channel.

Deleting Channels from the Favourite list

◇ 1	●●●●	Select a colour button and press button repeatedly to select the channel you want to delete.	`☺ 8`
◇ 2	☹	Press button to display list.	`☺ 8 ☺Remove Item?- Press ☹`
◇ 3	☹	Press button to remove item.	
		Repeat steps **1** to **3** to delete more channels from list.	
◇ 4	▣	Exit menu from screen.	

SPECIFICATIONS

	21PT1727
Picture tube screen size	540 mm
Picture tube visible area	510 mm
Audio Output : Speaker	1 x 4 W
TV System	PAL B/G PAL D/K PAL I
Playback System	NTSC 3.58, NTSC 4.43, PAL 60
Set Dimensions : Width Depth Height	600 mm 487 mm 458 mm
Net Weight of Set (approximate)	25 kg

Note

For Operating Voltage, Frequency, Power Consumption and Version Number, refer to the type number at the rear of the set.

22

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