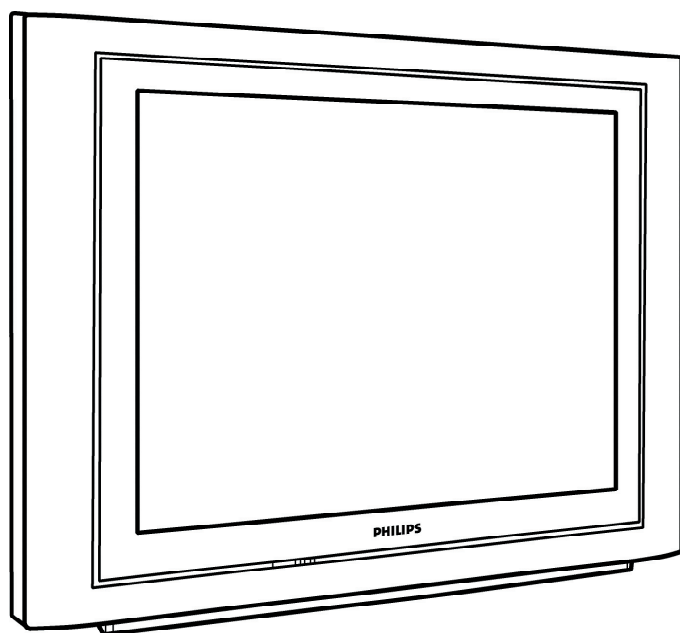# Colour Television
29PT3425

User manual

PHILIPS

IMPORTANT

Before you begin :

Make sure your package includes the following items: TV and mains cord, remote control, User manual. Antenna cable and Coaxial cable are
optional items depending on the model.

Attention :

1. Read your manual first – your Philips TV comes with a well-designed remote control and onscreen display to ensure your TV is easy to operate.

2. The tips provided in this manual will save you time and money as charges for TV installation and adjustments of customer controls are not covered under the warranty.

3. For information outside of this manual, such as sales locations and other Philips products, please visit www.philips.com which will automatically link you to your local Philips website.

4. Please refer to the 'Troubleshooting Tips' on page 5 before calling for service.

5. In case of a need to call for service, we recommend you to call from your room where your TV is located and have on hand your remote control, warranty card, TV model and serial number.

6. Do not discard packaging materials:
    •   without thorough inspection for parts and accessories that may be packed separately inside the carton.
    •   during the warranty period should you need to exchange the set.

Disclaimer : Graphics in this manual are for illustration purpose and may not represent the actual product.

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).

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.

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 press	• Try increasing the volume. • Check that the sound is not muted. If it is muted, 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 hanset. • Aim remote control handset directly at remote control sensor lens on the TV.

HOOKING UP YOUR TV (BASIC CONNECTION)
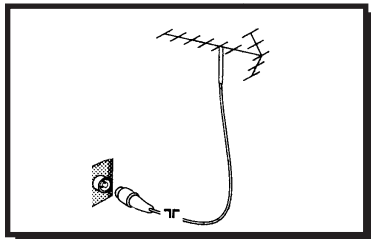
Antenna Connection
• Connect the aerial plug to the antenna socket ⊤
  on the backcover.

• Insert the main 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
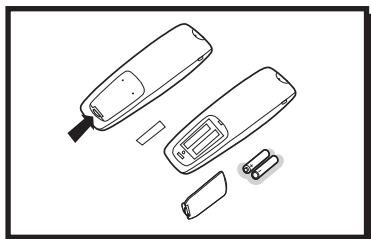 actual plug and socket.
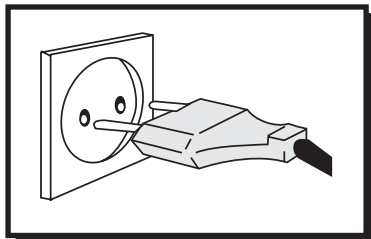
Switching on the Set
• Press the main power button to switch on/
  off the TV.
• If the set is on standby (indicator is red),
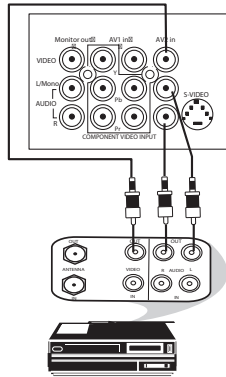 press the **Power** button on the remote
  control to switch on set.
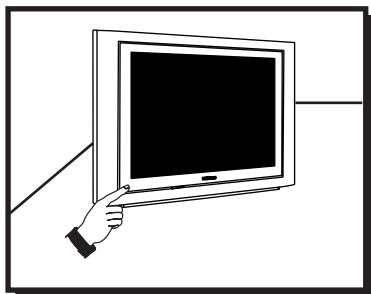
USE / CARE OF REMOTE CONTROL

• Insert the correct type of batteries into the
  compartment.

• Ensure the batteries are placed in the right
  direction.

# 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
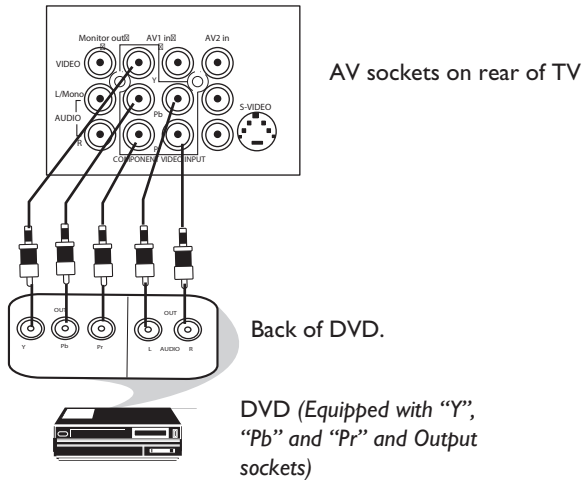**VIDEO OUT** sockets on the VCR.
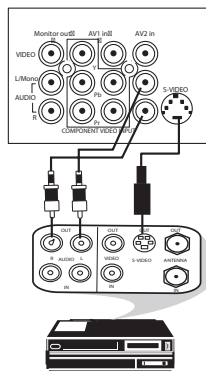
AV sockets on
the rear of TV

Back of S-VHS VCR

*The S-Video connection on the rear of the TV is used for the playback of S-VHS VCR tapes, Video
Discs, Video Games or Compact Disc-Interactive (cd-i) discs.* Better picture detail and clarity is
possible with the S-Video playback as compared to the picture from a normal antenna (RF)
connection.

– Connect the **S-VIDEO** socket on the rear of the TV to the **S-VHS OUT** socket on a
  S-VHS VCR.
– Connect the **AUDIO IN** sockets from the rear of the TV to the **AUDIO OUT** sockets
  on the VCR. **Note :** You need not connect the **VIDEO IN** socket of the TV if **S-VIDEO
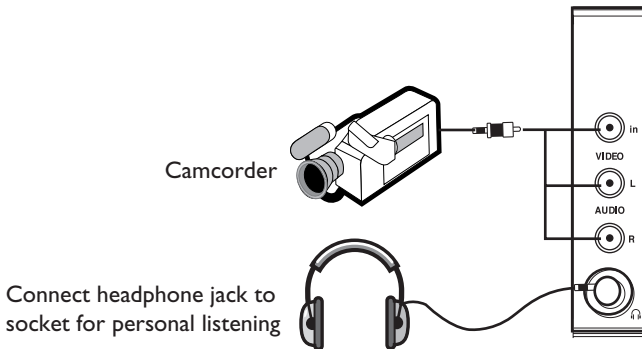 IN** socket is connected.

CONNECTING THE AUDIO/VIDEO SOCKETS (PLAYBACK)

AV sockets on rear of TV

Back of DVD.

DVD *(Equipped with "Y", "Pb" and "Pr" and Output sockets)*

You can view the playback of DVD discs by using the COMPONENT VIDEO INPUT sockets on the rear of the TV.

– Connect the **"Y", "Pb"** and the **"Pr" INPUT** sockets on the TV to the **"Y", "Pb"** and **"Pr" OUTPUT** sockets on the DVD to view playback of DVD discs.

CONNECTING THE AUDIO/VIDEO SOCKETS (PLAYBACK)

Camcorder

Connect headphone jack to socket for personal listening

For more convenient direct playback connections, the Side Audio/Video Input sockets allow for quick and easy connections, particularly Camcorder tape   recordings.

– Connect the **VIDEO** socket from the Camcorder to the Side **VIDEO** in socket of the TV.
– Connect the **AUDIO OUT** sockets (Right and Left) from the Camcorder to the Side **AUDIO IN** sockets.

CONNECTING THE AUDIO/VIDEO SOCKETS (RECORDING)

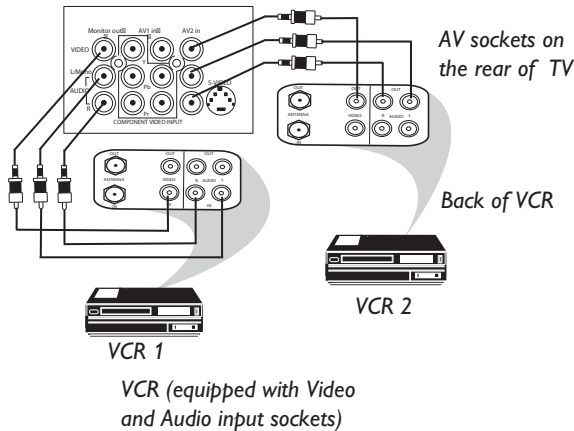## Connection for recording from the TV channel
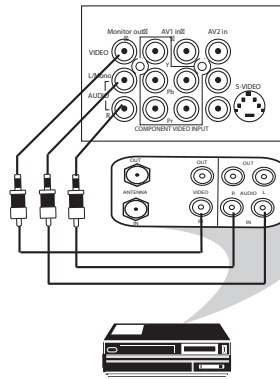
AV sockets on the rear of TV

VCR (equipped with Video and Audio input sockets)

– Connect the corresponding **INPUT** sockets of the VCR to the **MONITOR OUTPUT** sockets on the rear of the TV.
– To enhance the sound of your TV, connect the **AUDIO L** and **R** sockets to an external audio system instead of the VCR. For mono equipment, connect only the **AUDIO L** socket.

Connection for recording from one VCR to another VCR

AV sockets on the rear of TV

Back of VCR

VCR 2

VCR 1

VCR (equipped with Video and Audio input sockets)

– Connect the sockets of the VCR which you wish to record from, to the corresponding sockets at either **AV1** or **AV2**
– Connect the sockets of the receiving VCR to the **MONITOR OUTPUT** sockets on the rear of the TV.

FUNCTIONS OF REMOTE CONTROL

❶ 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.

❷ Teletext Colour/Personal Zapping buttons
– In teletext mode, the colour buttons allow you to
access directly an item or corresponding pages.
– 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 ".

❸ Teletext buttons
Allows you to access teletext information. For
detailed description of functions, refer to section
on "Using the Teletext"

❹ 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".

❺ Timer Button
Not applicable.

❻ Smart Sound Button
Press the Smart Sound button repeatedly to access 4
different types of sound settings and choose your desired
setting.

❼ Menu Button
Displays the main menu. Also exits menu from screen.

❽ Cursor Up Button
Allows you to select the next item on the menu.

❾ Cursor Left Button
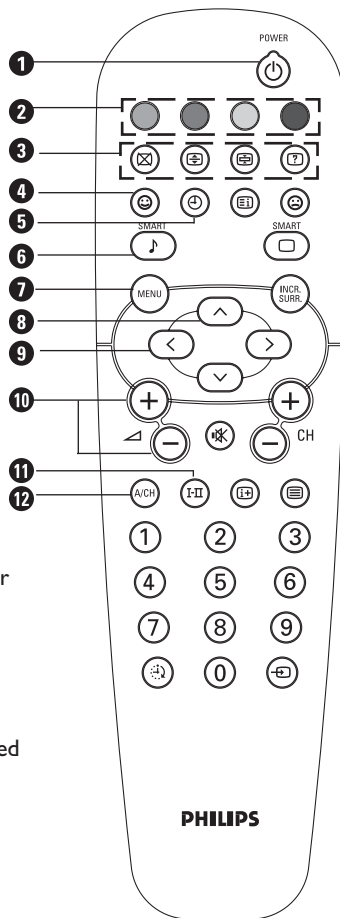Allows you to select the sub-menus and adjust the settings.

❿ Volume + / – Button
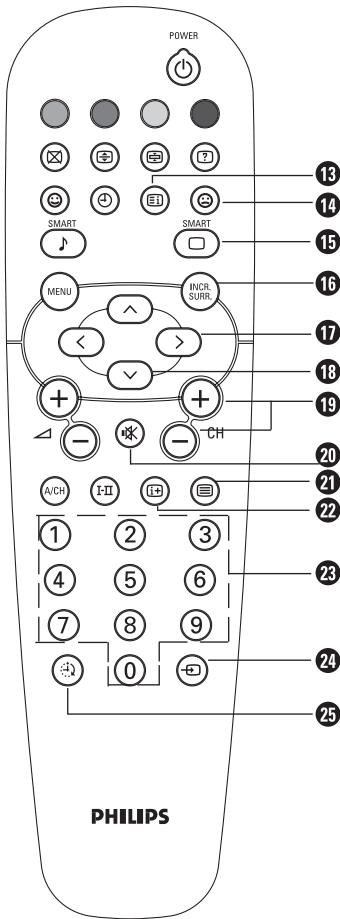Increases or decreases volume.

⓫ I-II
Allows you to switch from Stereo to Mono sound during
stereo transmission or to choose between language **I** or
language **II** during dual sound transmission.

⓬ A/CH(Alternate channel) Button
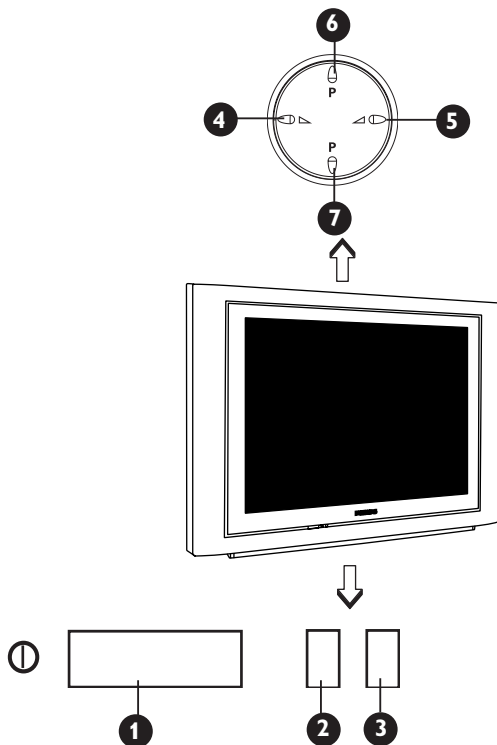Allows you to change between the current
channel and the previous channel.

13 Main Index Button
In teletext mode, press button to return to the main index page.

14 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 ".

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

16 Incredible Surround Button
– Allows you to select Incredible Surround sound when transmission is in stereo mode.
– Allows you to select Spatial Sound when transmission is in mono mode.

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

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

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

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

21 Teletext Button
Refer to section on "Using the Teletext"

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

23 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.

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

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

FUNCTIONS OF TV CONTROLS

1	**Mains Power button**	Switch mains power on or off.
2	**Standby Light indicator**	Indicate red light when standby mode is activated.
3	**Remote Sensor**	Acts as a sensor for activating the controls of the TV when remote control handset is aimed at it.
4	**Volume ◿ button**	Adjust sound volume softer.
5	**Volume ◺ button**	Adjust sound volume louder.
6	**Programme ⏀ button**	Select channel in ascending order.
7	**Programme ⏀ button**	Select channel in descending order. **Note** • You can enter the main menu by pressing both the **Volume** ◺ and ◿ buttons at the same time. • Press the **Programme** ⏀ or ⏀ button to select the next item on the menu. • Press the **Volume** ◺ or ◿ button to access the sub-menus and adjust the settings.

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.
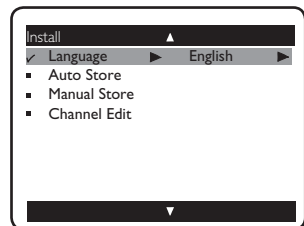
Step	Press button		Result on screen

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

                    ▼
```
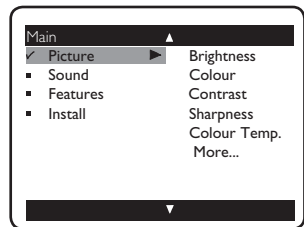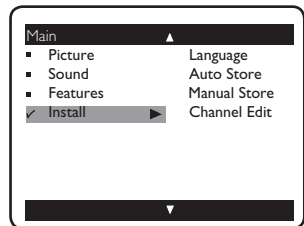
4 — > — Press button repeatedly to cycle through the language list and select the language of you choice.
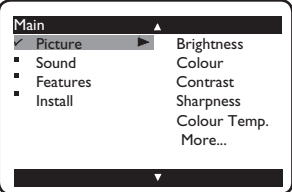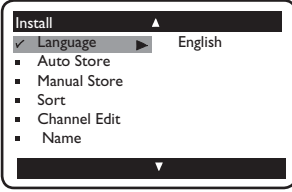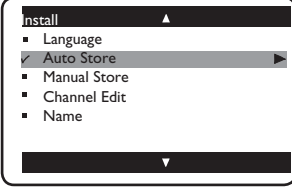
5 — ⓘ — Exit menu from screen.

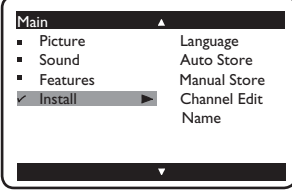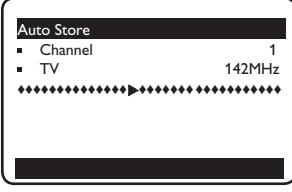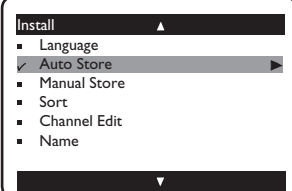**13**

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
                       Name
                        ▼
```

3 — > — Enter the Install menu.

```
Install                 ▲
✓ Language       ►    English
▪ Auto Store
▪ Manual Store
▪ Sort
▪ Channel Edit
▪  Name
                        ▼
```

4 — ∨ — Select **Auto Store**.

```
Install                 ▲
▪ Language
✓ Auto Store          ►
▪ Manual Store
▪ Channel Edit
▪ Name
                        ▼
```

5 — > — Start automatic tuning of channels.

```
Auto Store
▪ Channel              1
▪ TV                   142MHz
◆◆◆◆◆◆◆◆◆◆◆◆◆▶◆◆◆◆◆◆◆ ◆◆◆◆◆◆◆◆◆◆
```

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

```
Install                 ▲
▪ Language
✓ Auto Store          ►
▪ Manual Store
▪ Sort
▪ Channel Edit
▪ Name
                        ▼
```

MANUAL TUNNING OF CHANNELS

Manual tuning of channels allows you to select your preferred channel number for every available programme.
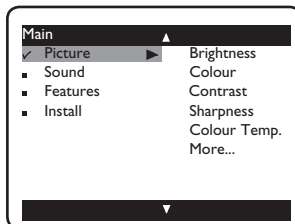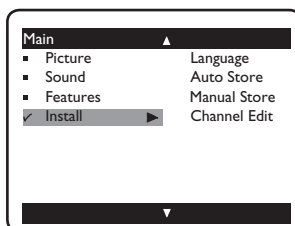
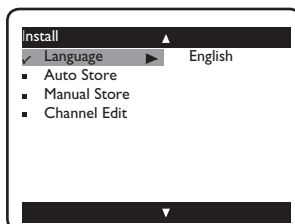| Step	Press button		Result on screen

1 — MENU — Enter main menu.

```
Main                    ▲
 ✓ Picture        ►     Brightness
 ▪ Sound                Colour
 ▪ Features             Contrast
 ▪ Install              Sharpness
                        Colour Temp.
                        More...

                  ▼
```

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

```
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 — V — 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

                  ▼
```
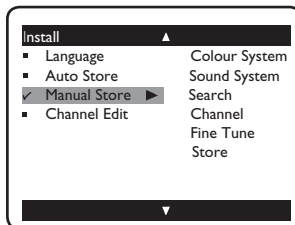
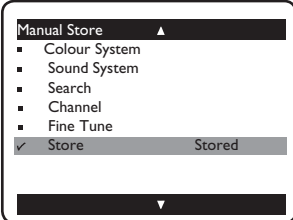**5** — > — Enter manual store menu.
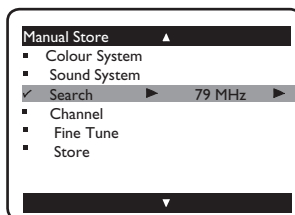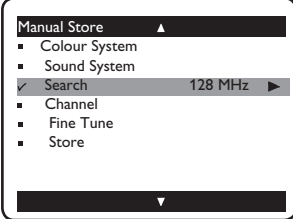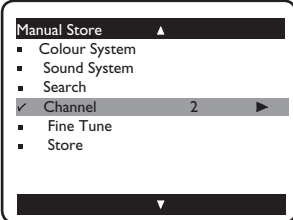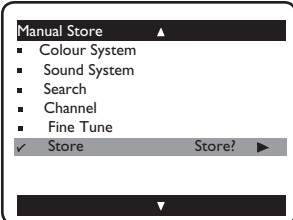
6 — V — Press button repeatedly until **Search** is selected.

```
Manual Store            ▲
 ▪  Colour System
 ▪  Sound System
 ✓  Search        ►     79 MHz    ►
 ▪  Channel
 ▪   Fine Tune
 ▪   Store

                  ▼
```

MANUAL TUNNING OF CHANNELS

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.

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.
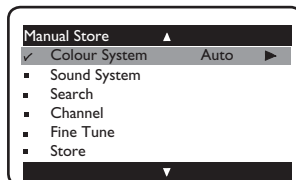
Step	Press button		Result on screen

Repeat step **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   `V`

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

8   `>`

Store selected system.

```
Manual Store              ▲
■  Colour System
✓  Sound System
■  Search
■  Channel
■  Fine Tune
■  Store         Stored
                          ▼
```
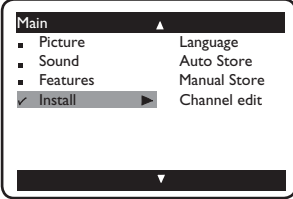
9   `V` or `∧`
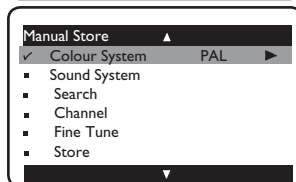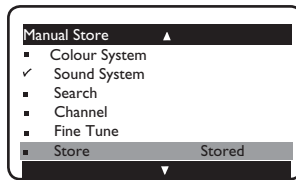
Proceed to select **Sound System.**

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

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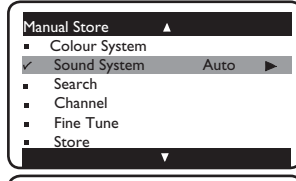
Select the desired sound system **(Auto, BG, I, DK** or **M.**

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

11   `V`
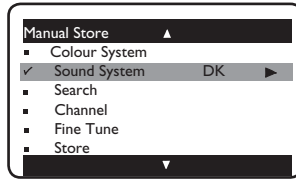
Press button repeatedly until **STORE** is selected.

12   `>`

Store selected system.

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

13   `(i+)`

Exit menu from screen.

17
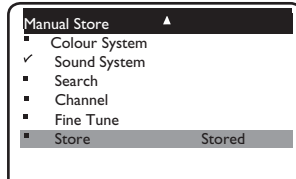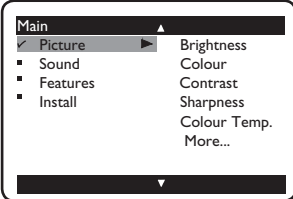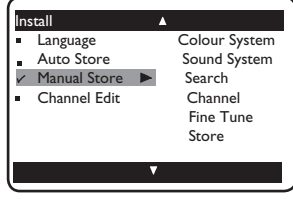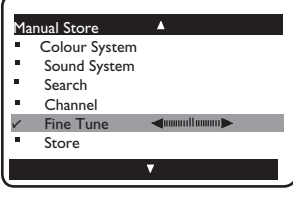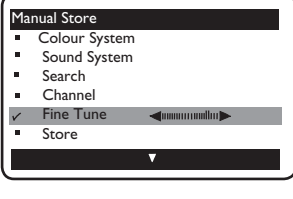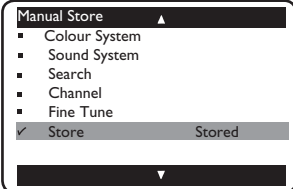
FINE TUNING OF CHANNELS

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            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.

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.

6 — ∨ — Press button repeatedly until **Fine Tune** is selected.

```
Manual Store                ▲
▪   Colour System
▪   Sound System
▪   Search
▪   Channel
✓   Fine Tune   ◄▥▥▥▥▥▥▥►
▪   Store
                ▼
```

7 — > or < — Fine tune until the best reception is obtained.

```
Manual Store
▪   Colour System
▪   Sound System
▪   Search
▪   Channel
✓   Fine Tune   ◄▥▥▥▥▥▥▥►
▪   Store
                ▼
```

8 — ∨ — Select **Store**.

9 — > — Store last fine-tuned status.

10 — i+ — Exit menu from screen.

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

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) button.

Step	Press button		Result on screen

1 — MENU — Enter main menu.

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

                        ▼
```

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

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

                        ▼
```

3 — > — Enter install menu.

4 — V — Press button repeatedly until **Channel Edit** is selected.

5 — > — Enter Channel Edit menu.

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

                        ▼
```

6 — ❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ⓿ — Key in the channel number to be skipped.

7 — V — Select **Skipped.**

```
Channel Edit            ▲
 ■ Channel
 ✓ Skipped         On

                        ▼
```

8 — > — Select **On** to skip channel.

9 — (i+) — Exit menu from screen.
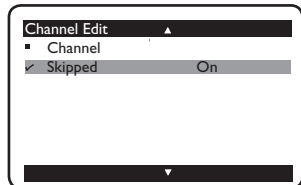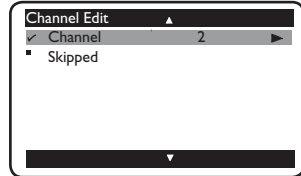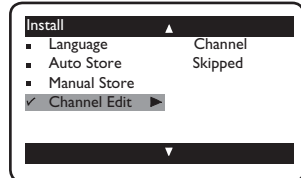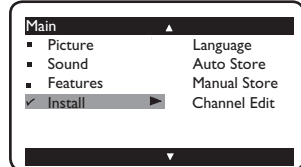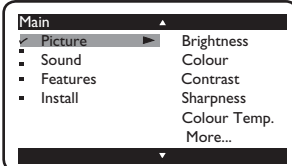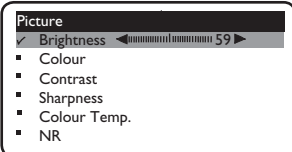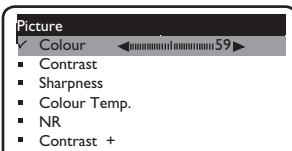
HOW TO RESTORE SKIPPED CHANNELS

- • 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 (V) button.
- • Select Off to restore channel by the (>) button.
- • Exit menu from screen by the (i+) button.

```
Channel Edit            ▲
 ■ Channel
 ✓ Skipped         Off

                        ▼
```
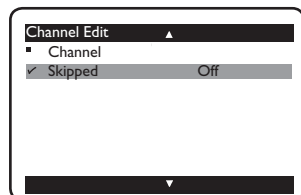
ADJUSTING THE TV PICTURE

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.

3 — ∧ or ∨ — Select item.

```
Picture
✓ Brightness  ◄▮▮▮▮▮▮▮▮▮▮ 59 ►
▪ Colour
▪ Contrast
▪ Sharpness
▪ Colour Temp.
▪ NR
```

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

```
Picture
✓ Colour      ◄▮▮▮▮▮▮▮▮▮▮ 59 ►
▪ Contrast
▪ Sharpness
▪ Colour Temp.
▪ NR
▪ Contrast +
                ▼
```

5 — i+ — 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.

ADJUSTING THE TV SOUND

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

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 — ∨ — Select **Sound** menu.

```
Main                    ▲
  Picture          Treble
✓ Sound        ►   Bass
  Features         Balance
  Install          AVL
                   Incr. Surround
                   Ultra Bass
                        ▼
```
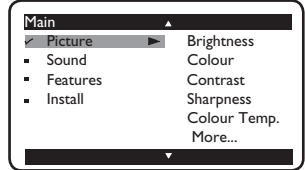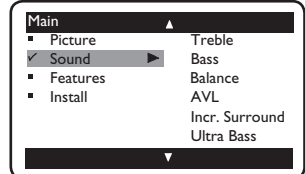
3 — > — Enter **Sound** menu.

4 — ∧ or ∨ — Select item.

```
Sound                   ▲
✓ Treble    ◄▬▬▬▬▬▬▬▬▬▬ ►
  Bass
  AVL
  Incr. Surroung
  Ultra Bass
                        ▼
```
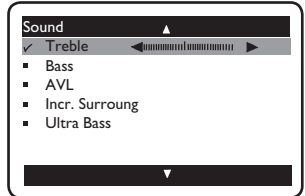
5 — < or > — Adjust level or select desired setting.
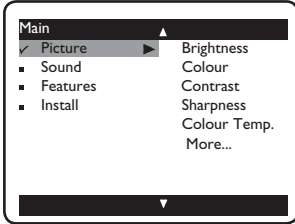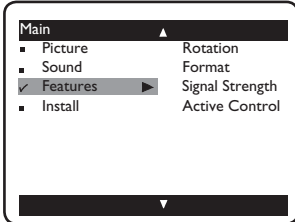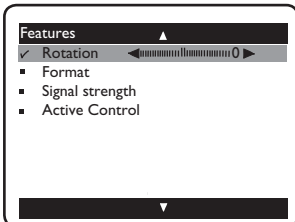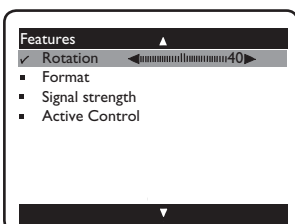
6 — ⊞ — Exit menu from screen.

Sound menu items	Activities
Treble	Increase or decrease high frequency level.
Bass	Increase or decrease low frequency level.
Balance	Increase or decrease to adjust balance level.
AVL (Auto Volume Leveller)	Select On to enable volume to remain at a prea predetermined level should there be a sudden change in volume during commercial breaks or channel switching.
Incredible Surround	Select On to boost the effect of stereo sound.
Ultra Bass	Select On to enjoy enhanced bass output.

21

ROTATION

Due to the earth's magnetic field and position of the TV, there may be a slight tilting of the picture to the left or right when the set is switched on. When this phenomena accura, select **Rotation** in the **Features** menu and adjust accordingly.

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 — V — Select **Features**.

```
Main              ▲
■ Picture        Rotation
■ Sound          Format
✓ Features   ►   Signal Strength
■ Install        Active Control



                 ▼
```

3 — > — Enter the Features menu.

4 — V — Select **Rotation**.

```
Features          ▲
✓ Rotation   ◄▯▯▯▯▯▯▯▯▯▯▯0►
■ Format
■ Signal strength
■ Active Control



                 ▼
```

5 — > or < — Press repeatedly until you deem picture is in the normal position.

```
Features          ▲
✓ Rotation   ◄▯▯▯▯▯▯▯▯▯▯40►
■ Format
■ Signal strength
■ Active Control



                 ▼
```

6 — i+ — Exit menu from screen.

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.	**Main** ▲ ▪ Picture Rotation ▪ Sound Format ✓ Features ▶ Signal Strength ▪ Install Active Control
2	∨	Press button repeatedly until **Features** is selected.	
3	>	Enter the Features menu.	**Features** ▲ ▪ Rotation ✓ Format 4 : 3 ▶ ▪ Signal strength ▪ Active Control
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.	**Features** ▲ ▪ Rotation ✓ Format 4 : 3 Expand ▶ ▪ Signal strength ▪ Active Control ▼
6	i+	Exit menu from screen.	
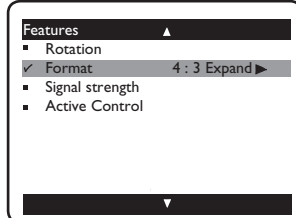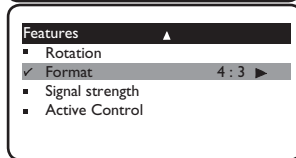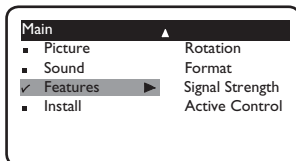
When to use the Screen Formats

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.

23
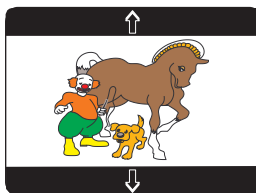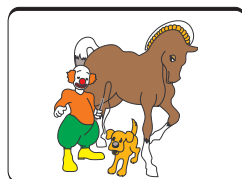
ACTIVATING THE SIGNAL STRENGTH

The Signal Strength feature allows to view the signal strength level when the On option is selected. The signal strength level will be indicated at the bottom of the screen whenever you switch channel.

Step	Press button		Result on screen

1 — MENU — Display the main menu on screen.

```
Main            ▲
  ■ Picture        Rotation
  ■ Sound          Format
  ✓ Features   ▶   Signal Strength
  ■ Install        Active Control



                ▼
```

2 — ∨ — Press button repeatedly until **Signal Strength** is selected.

```
Features        ▲
  ■ Rotation
  ■ Format
  ✓ Signal strength      Off
  ■ Active Control




                ▼
```
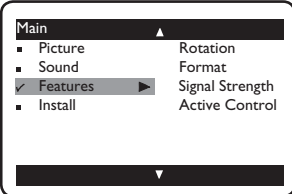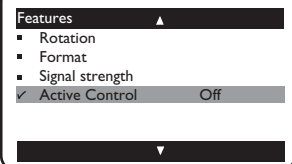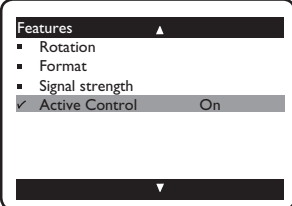
3 — > — Press the button to select **On** option to activate the Signal Strength mode.

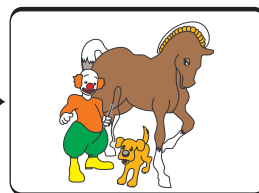**Note :** When signal strength is poor, you can proceed to the Active Control feature in the Feature menu and select On option to automatically adjust settings for optimal picture quality (Refer to section on "Using the Active Control").

```
Features        ▲
  ■ Rotation
  ■ Format
  ✓ Signal strength      On
  ■ Active Control




                ▼
```
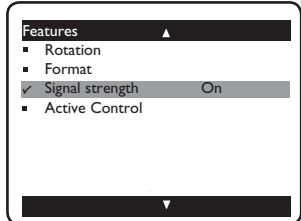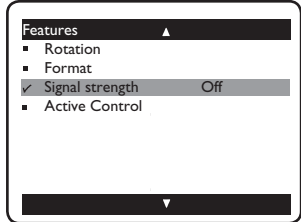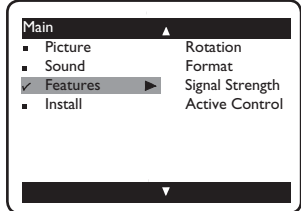
USING THE ACTIVE CONTROL

This feature automatically adjust settings for optimal picture quality continuously under any signal conditions. To activate the Active Control feature, select the "ON" option in the Active Control menu.

Step	Press button		Result on screen

1 — MENU — Display the main menu on screen.

2 — V — Press button repeatedly until **Features** is selected.

Main ▲	
■ Picture	Rotation
■ Sound	Format
✓ Features ►	Signal Strength
■ Install	Active Control
▼	

3 — > — Enter the Features menu.

4 — V — Press the button repeatedly until **Active control** is selected.

Features ▲	
■ Rotation	
■ Format	
■ Signal strength	
✓ Active Control	Off
▼	

5 — > — Press the button to select **On** option to activate **Active Control** mode. If **Display On** option is selected, the settings of **Brightness, Contrast, Sharpness, Contrast +** and **Noise Reduction** will be displayed on the screen when the set is switched on or when you switch to another channel.

Features ▲	
■ Rotation	
■ Format	
■ Signal strength	
✓ Active Control	On
▼	

25

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 button 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

26

SMART SOUND CONTROL

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

| Step	Press button	
1	♪	Press botton repeatedly to cycle through the 4 settings namely, **Personal, Theatre, Music** and **Voice** and select your desired sound setting.
2	(i+)	Exit menu from screen.

Personal : Sound settings are set to your preference.

Theatre : Emphasize sensation to action. (Bass and Treble boosted)

Music : Emphasize low tone (Bass boosted).

Voice : Emphasize high tone (treble boosted).

Personal

Theatre

Music

Voice
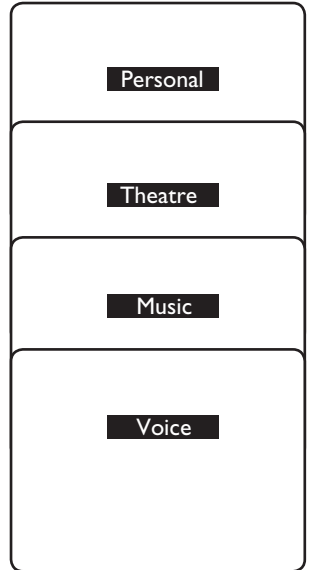
PERSONAL ZAPPING

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. Repeat steps 1 to 3 to add and store your avourite channels to the list.	☺ 8 Added!
4	(i+)	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	(i+)	Exit menu from screen.	

USING THE TELETEXT

If a TV channel broadcast contains teletext information, each channel that broadcasts teletext transmits a page (index page) with information on how to use the teletext system, usually on page 100. The system transmitted is indicated in the option line at the bottom of the screen.
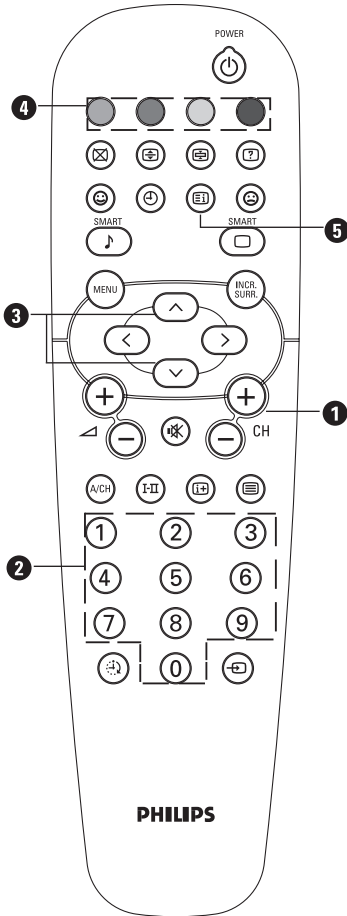
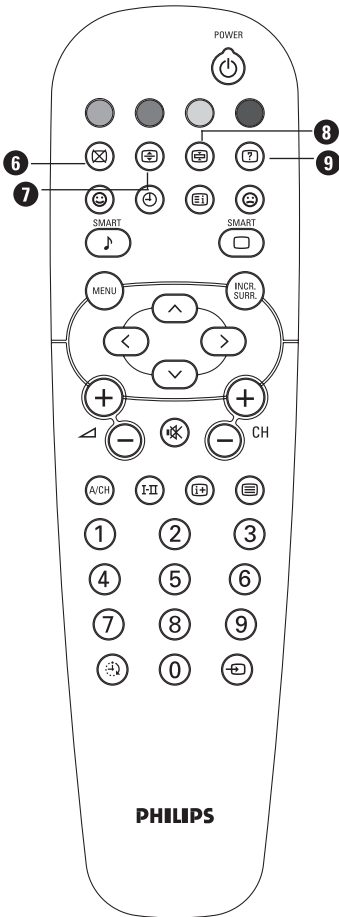| Press button	Result on screen
1 **On/Off teletext and Superimpose teletext page over TV programme**	Press the button once to switch on teletext display. (A channel in which teletext is being transmitted must be selected). Press the button the second time superimpose the teletext page over the TV programme. Press the button the third time to exit teletext mode.
2 **Selecting a teletext page**	Key in the required teletext page (3 digits). The page number is displayed at the top left hand corner of the screen. When the teletext page is located, the counter stops searching. If the counter keeps searching, it means that the page is not available for selection. If you make a mistake in keying the page number, you have to complete keying the 3-digit number before re-keying the correct page number.
3 **Accessing a teletext page**	Press the ∧ button to display the next page and the ∨ button to display the previous page.
4 **Direct Access to an item or corresponding pages.**	The 4-colour button allows you to access directly an item or corresponding pages.
5 **Main Index**	Press the button to return to the main index page.

Press button	Result on screen
6 Interrupt	Press the button to change to TV mode. Press the button again to return to teletext mode and to the teletext page.
7 Enlarge	Press the button once to enlarge and view the top half of the page. Press the button the second time to enlarge and view the bottom half of the page. Press the button the third time to return to normal size page.
8 Hold	A selected page sometimes contains a few sub-pages. The sub-page will automatically move to the next sub-page after about 20 seconds. The total number of sub-pages are indicated at the top right hand corner of the screen. Press the button once to hold page and the second time to release holding of page.
9 Reveal / Conceal	Press the button once to reveal hidden information (solutions to puzzles, riddles, etc.) Press the button the second time to conceal information. This button is applicable only to teletext page with puzzles, riddles, etc.)

POWER

SMART

SMART

MENU

INCR.
SURR.

CH

A/CH   I-II

1   2   3

4   5   6

7   8   9

0

PHILIPS

Specification

PICTURE
- Picture screen diameter: 720 mm
- Visible screen size :   680 mm
- Active Control Plus
- Contrast
- Colour Transient Improver (CTI)
- Colour Temperature Control
- Luminance Transient Improver (LTI)
- Noise Reduction
- Scan Velocity Modulation
- Signal Strength Indicator
- 2D Combfilter

Sound
- Sound output: 2 x 10 W
- Loudspeakers: Full range
- Smart Sound (4 Modes)
- incredible Surrround

Connectors
- Side: Stereo headphone out (3.5 mm)
          Stereo Audio/Video input
- Rear: Stereo Audio/Video input x 2
          Stereo Audio/Video output x 1
          Component Video Input
          S-Video input

Reception
- Tuning system: PLL digital tuning
- Tuner: UV, S and Hyperband
  (Pal Multisystem)
- Channel Selection: 100 presets
- Aerial input: 75 ohm coaxial
- TV System: NTSC (3.58-4.5), Pal B/G, B/H
  Pal D/K, Pal I
- Video playback: NTSC 4.43/3.58
- Stereo System: 2CS BG, 2CS D/K,
  FM/FM (5.5-5.74) (B/G), FM/FM (6.5-6.74)
  (China), NICAM B/G (5.5-5.85),
  NICAM D/K (6.5-5.85) (Hung),
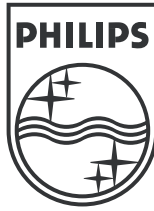 NICAM I (6.0-6.52)

Ease of use
- Multi language on screen display
- Personal Zapping
- Alternate channel
- Auto Standby
- Demo Mode
- Manual Skip

Size and weight
- Set dimensions:
  Length :   787 mm
  Width   :   500 mm
  Height :   590 mm

  Net weight : 45 kg

Note: Specification is subject to change without notice.

31

PHILIPS

www.philips.com
3139 125 35171