# **Real Flat Television** 29PT7325

# User manual



# **PHILIPS**



# **IMPORTANT**

# Before you begin:

Make sure your package includes the following items:TV and mains cord, remote control, Instruction manual, antenna cable (optional) and Coaxial cable (optional).

### **Attention:**

- 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.
- 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.
- 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.
- Please refer to the 'Troubleshooting Tips' on page 15 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 that accessories that may be packed separately inside the carton.
- during the warranty period should you need to exchange the set.

# **Recycling:**

The materials used in your set are either reusable or can be recycled. To minimise environmental waste, specialist companies collect used appliances and dismantle them after retrieving any materials that can be used again (ask your dealer for further details).

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









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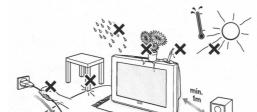
I a r e n e G User Manual-29PT7325





# **Safety information**

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

- 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. Uneveness in colour in some parts of the screen may occur.
- Never attempt to repair a defective TV yourself. Always consult a skilled service personnel.

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General











# What's Hot

# Picture scanning

Your Philips TV has been built with scanning features to enhance your TV viewing. All you need is to select your desired mode to enjoy sharper and cleaner pictures. The description below will help you make your choice.

#### **Auto**

If you are undecided of which mode to choose, select Auto and let your TV decide for you automatically!

# 100 Hz Digital Scan (available only for PAL signal)

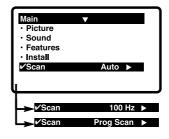
Working with three lines of picture information, the 3-line digital comb filter in the TV virtually eliminates both horizontally and vertically hanging dots, as well as dot crawl.

### **Progressive Scan**

Doubles the vertical resolution of the image to produce a noticeable sharper picture.

## How to access

- 1 Press the key.
  - The Main Menu will be call up.
- 2 Press the to select the Scan mode.
- 3 Use the ▶ key to select Auto, 100 Hz or Prog Scan.
- 4 To quit the menus, press .



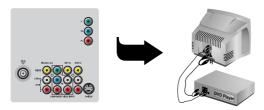


# YPbPr Digital High Definition input

When you have a digital equipment with a 480p or 1080i output (e.g. a digital set top box or Progressive Scan DVD player), connect it to the AV3 2 Fh 480p/1080i input.

### How to access

- Connect the TV's green, blue and red Y Pb Pr (AV3 in) jacks to the corresponding COMPONENT VIDEO OUT jacks on the equipment.
- 2 Connect the TV's red and white (R and L) AUDIO IN jacks from AV2 in to the corresponding AUDIO OUT jacks on the player. Match the cable colour to the jacks' colour. The red jack is the Right audio channel and the white jack is the Left audio channel.
- Turn on the TV and the equipment. Set the TV to a channel named YPbPr to playback.



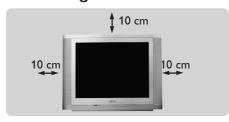
What's hot? User manual-29PT7325





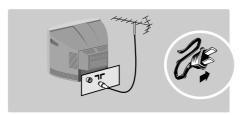


# Positioning the television set



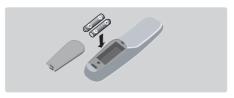
Place your TV on a solid, stable surface, leaving a space of at least 10 cm around the appliance.

# **Connections**



- Insert the aerial plug into the Tr socket at the rear of the set.
   If you are using an indoor aerial, reception may be difficult in certain conditions. You can improve reception by rotating the aerial. If the reception remains poor, you will need to use an external aerial.
- · Insert the mains plug into a wall socket.

# Remote control



Insert the two R6-type batteries (supplied) making sure that they are the right way round.

The batteries supplied with this appliance do not contain mercury or nickel cadmium. If you have access to a recycling facility, please do not discard your used batteries (if in doubt, consult your dealer).

# Switching on



To switch on the set, press the on/off key. A red indicator means that the television is on standby mode. Refer to the next page on 'Remote Control keys' for the various keys that you could use to switch on the set. An indicator light will flash when it is receiving signal from the remote control.

# The keys on the TV set

The television set has 4 keys which are located at the top.



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The  $\bigcirc$   $\bigcirc$  keys are used to adjust the sound levels. The  $\bigcirc$  keys are used to select channels.

To access or exit the main menu, press down the \( \subseteq \sqrt{\sq}}}}}}}}}}}}} \signta\septrimu\septrimt{\sqrt{\sq}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}} \end{\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}} \end{\sqrt{\sqrt{\sintendant\signt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sinteq}}}}}}}}} \e

or key.
To select an adjustment, press down the

key.

Installation





#### Personal Zapping

You can surf up to 10 personal channels for each key (p. 12)

#### Sleeptimer

Selects a period of time after which the TV will go into standby mode automatically.

# Add Personal Zapping list

Adds and stores channels into Personal Zapping list (p. 12)

#### Smart Sound -

Used to access a series of stored settings: Theatre, Music, Voice or Personal.

#### Menu

To call up or exits menus.

# cursor

These 4 keys are used to move around the menus or provide direct access to the different picture formats

# Volume

To adjust the sound level.

# Digit keys

Direct access to the channels. For a 2-digit channel, enter the 2nd digit before the dash disappears.

#### Alternate channel

Switched between the current and the previous channel.

#### Standby

Lets you place the TV set on standby. To turn on the TV, press CH + or -, (b) ,AV,A/CH or digit keys.

#### **AV** channel selection

Press several times to select AV1, CVI, AV2, YPbPr or Side.

# **Delete Personal Zapping list**

Deletes stored channels from Personal Zapping list (p. 12)

#### **Smart Picture**

Used to access a series of stored settings: Rich, Natural, Soft, DVD/VCD or Personal.

### Incredible Surround

To activate/disable the Incredible Surround feature. In stereo, the speakers appear further apart. In mono, a pseudo-spatial effect is obtained.

#### I-∏

During stereo transmission (in AV mode), to switch from Stereo to Mono. During dual sound transmission, to switch betwen language  ${\bf I}$  or  ${\bf II}$ .

#### **Channel selection**

To access the next or previous channel. The number and sound mode are displayed for a few moments whenever you select a new channel.

#### Mute

# To mute or restore sound. On screen display

To display/clear the on screen information. Press the key for 3 seconds to activate permanent display of channel number. This key is also used to exit from the menu.



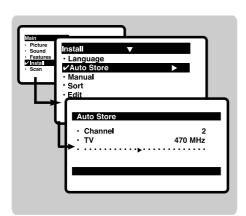
9 6 6 8

0 0



This menu is used to store all available channels automatically.

- 1 Press the key.
- With the cursor, select the **Install** menu and follow by the **Auto Store**.



3 Use the ≥ key to start auto store. All the available TV channels will be stored automatically.

This operation takes a few minutes. The display shows the progress of the search and the number of channels found.

4 To quit the menus, press 

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If no channels are found, consult the possible solutions on p.15.

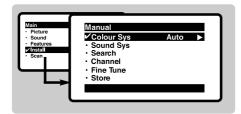




# **Manual Store**

This menu is used to store channels one at a time.

- 1 Press the key.
- 2 With the cursor, select the **Install** menu and follow by the **Manual**.



3 Colour Sys(tem): use the 
 or 
 key to select the desired colour system;
 Auto, PAL, NTSC 3.58 or NTSC 4.43.

- Sound Sys(tem): use the or ≥ key to select the desired sound system;
  BG, I, DK or M.
- Search: Press . The search starts. Once a channel is found, the scanning stops. Go to the next step.

If no picture is found, consult the possible solutions (p.15)

- **6 Channel**: enter the required channel with the **((()**, **()** or digit keys.
- Fine Tune: if the reception is not satisfactory, adjust using the or ≥ keys.
- **8 Store**: Press . The channel is stored.
- Repeat steps 3 to 4 for each channel you wish to store.
- 10 To quit the menus, press 🔞 .



Installation

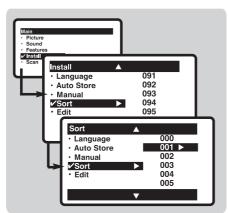




Sort

This feature allows you to rearrange channels according to your preference.

- 1 Press the key. The Main menu is displayed on the screen.
- 2 With the cursor, select the **Install** menu followed by the **Sort** menu.
- 3 Use the or we key to select the channel number you want to change



- from (e.g. 001) and confirm selection with the  $\bigcirc$  key.
- 4 Use the or wakey to select the channel number you want to change to (e.g. 004) and confirm selection with the key.

The change is done. Channel 4 will move up to channel 3 and channel 3 will move up to channel 2

- S Repeat steps 3 and 4 for each channel you wish to change.
- 6 To quit the menus, press 10 .



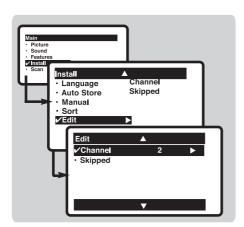




# **Channel edit**

This feature allows you to skip or edit channels which have bad or weak TV signal or channels you do not watch often.

Once a channel is skipped, you cannot have access to it by the Channel + or – key. You can only access the channels by the digit (0-9) keys.



- 1 Press the key. The Main menu is displayed on the screen.
- 2 With the cursor, select the **Install** menu followed by the **Edit** menu.
- 3 Enter into the menu and select the channel number you wish to skip by the digit keys.
- 4 Then use the key to select Skipped. Use the key to select On.
- **5** Repeat steps **3** and **4** for each channel you wish to skip.
- **6** To quit the menus, press 🔞 .

# To restore skipped channels

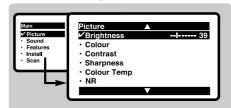
- 1 Repeat steps 1 to 3 above.
- 2 Use the key to select **Skipped** and the key to select **Off**.
- 3 Repeat steps 1 and 2 for each channel you wish to skip.
- 4 To quit the menus, press 1 .







Press then . The Picture menu will be called up.



- 2 Use the or keys to select a setting and the or keys to adjust. Note: during the picture adjustment, only the selected line remains displayed. Press or to display the menu again.
- 3 Press (19) to exit.

# Description of the adjustments:

- Brightness: this changes picture brillance.
- **Colour**: this changes the intensity of the colour.
- **Contrast**: this changes the difference between the light and dark tones.
- **Sharpness**: this changes the picture definition.
- **Hue**: this adjusts the skin colour tone in NTSC channel.
- Colour Temp.: this changes the colour rendering: Cold(bluer), Normal(balanced) or Warm(redder).
- **NR**: attenuates picture noise (snow) in difficult reception conditions.
- Contrast +: automatic adjustment of the picture contrast which permanently sets the darkest part of the picture black.

# **Sound settings**

Press , select Sound ( ) and pressThe Sound menu will be called up.



- 2 Use the ♠ or ♥ key to select a setting and the ❖ or ▶ key to adjust.
- 3 Press 🔞 to exit.

# **Description of the adjustments:**

- Treble: this alters the high frequency sounds.
- Bass: this alters the low frequency sounds.
- **Balance**: this balances the sound on the left and right speakers.
- AVL (Automatic Volume Leveller): this is used to limit increases in sound, especially on channel change or advertising slots.
- Incr. Surr. (Incredible Surround): this boost the effect of stereo sound.
- Ultra Bass: this is used to enhance bass output.

# Features settings

- Press , select Features ( ) and pressThe Features menu will be called up.
  - Main

    Picture
    Sound

    Features
    Install
    Scan

    Main

    Timer
    Child Lock

    Features
    Rotation
    Format
    Active Control
    Demo

# **Description of the features:**

- Rotation: large screen TVs are sensitive to terrestrial magnetic field variations. This setting is used to compensate by adjusting the picture rotation. Use the 
   or 
   key to adjust.
- Timer, Child Lock, Format, Active Control and Demo: see explanation on the next few pages.

Operation

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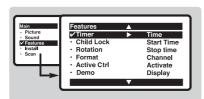
c



This feature allows you to set the timer to switch to a channel at a specified time while you are watching another channel or when the TV is on standby mode.

Note: Timer will be disabled once the set is switched off.

Press , use the key to select Features and press the key.
The Features menu is displayed.



2 Use the key to select **Timer**.

#### **Description of function:**

Time: enter the current time.

**Start Time**: enter the time for the TV to switch on or to switch channel.

**Stop Time**: enter the time to switch to standby.

Note: Is Stop Time is not keyed in, Tv will go to standby mode after 4 hours. To switch on the TV from standby, press Channel + or –, digit or Power key.

**Channel**: enter the channel to switch to. **Activate**: enter mode of activating timer; Once, Daily or Off.

**Display**: select **On** to display the time on the TV screen.

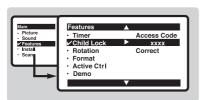
3 Press the 🔞 key to exit.

# **Child Lock**

You can block certain channels or inhibit use of the TV set completely.

Note: You can only access the locked channels via the remote control. Keep the remote control in a safe place.

Press , use the key to select Features and press the key.
The Features menu is displayed.



- 2 Use the ▶ key to select Child Lock and press the ▶ key to enter.
- 3 Key in the 4-digit access code. for the first time or if you have forgotten the code, enter **0711** twice.

There will be a prompt to key in the **New Code**.

4 Key in your preferred code once and again to confirm.

The Child Lock menu is displayed.

Suse the △ or ✓ key to select a function and the ✓ key to enter or confirm selection.



#### **Description of function:**

Lock Channel: use the or we key to select a channel number to lock and press the key to confirm. The first symbol will display next to the channel that was locked.

**Change Code**: enter a new code and again to confiorm.

**Clear All**: use to unlock all locked channels. Select **On** to activate.

**LOCK ALL:** use to lock all TV and external channels. Select **On** to activate.

6 Press 🔞 to exit.

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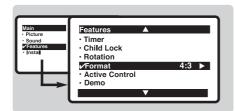
Operation



This feature enhances your viewing pleasure by providing you with a choice of two picture formats:- **4:3** and **Expand 4:3**.

- Press , use the or key to select Features and press the key.

  The Features menu is displayed.
- 2 Use the ▶ key to select Format and press the ▶ key to select 4:3 or Expand 4:3.
- 3 Press the 🔞 key to exit.



#### **Description of function:**

**4:3** – select this format if you want to display a conventional picture using the full surface of the screen.



4:3

**Expand 4:3** – select this format if you want to expand pictures transmitted in a 'letterbox' format (black horizontal bars at the top and bottom of the screen) to fill up the entire screen.



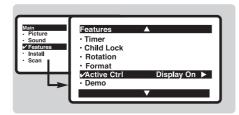


Letterbox

Expand 4:3

# **Active Control**

The Active Control monitors and adjusts incoming video signals to help provide the best picture quality. When you choose to turn the Active Control to On or Display On, the Brightness, Contrast, Sharpness, Contrast+ and NR (noise reduction) features are controlled automatically. Active Control adjusts these picture settings continuously and automatically



- Enter Features menu as described in "Features settings" on the previous page.
- 2 Use the key to select Active Control and press the key to select **Off**, **On** or **Display On**.
- 3 Press the 🔞 key to exit.

#### **Description of option:**

Off: the Active Control will not be activated.

On: the Active Control will work to give the viewer the best possible picture, but will not display the monitoring screen when channels are changed.

**Display On:** an Active Control monitoring screen will be shown for a few seconds whenever a channel is changed.

Operation

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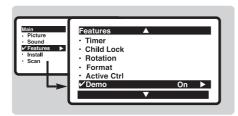
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# **Demo**

The split screen display shows the image performance before and after enhancements to present clearly the effects of the picture enhancement features.



- Enter Features menu as described in "Features settings" on the previous page.
- 2 Use the key to select **Demo** and press the key to select **On** or **Off.**

The screen is split to dramatically show the comparative images side by side.





without picture enhancements

with picture enhancements

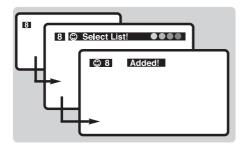


# Personal Zapping

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

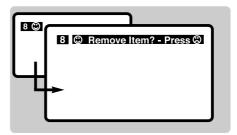
# To add channels:

- 1 Select a channel with the digit keys.
- 2 Press (a) to display list.
- 3 Press your favourite colour key to store the channel in step 1.
- 4 Repeat steps 1 to 3 to store more channels.
- 6 Press 🔞 to exit.



# To delete channels:

- Select and press a colour key that has stored channels repeatedly to select the channel you want to delete.
- 2 Press (a) to display list.
- 3 Press (a) to remove channel.
- 4 Repeat steps 1 to 3 delete more channels.
- **5** Press **1** to exit.



### To view channels:

Select and press a colour key that has stored channels repeatedly to select the channel you want to view.

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Operation





# Connecting peripheral equipment

The television has 4 sets of external sockets situated at the back of the set (AV1 in, AV2 in, YPbPr and Monitor out).

The AV1 in has Y, Pb, Pr and audio and video inputs.

The AV2 in has S-Video, audio and video inputs.

The Y, Pb, Pr has Y, Pb, Pr input (refer to details in "What's Hot" section).

The Monitor out socket has audio and video outputs.

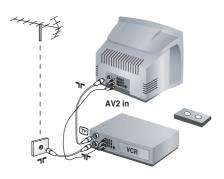
# **DVD** player



- Connect the TV's green, blue and red Y Pb Pr (AV1 in) jacks to the corresponding COMPONENT VIDEO OUT jacks on the player.
- Connect the TV's red and white (R and L) AUDIO IN jacks to the corresponding AUDIO OUT jacks on the player. Match the cable colour to the jacks' colour. The red jack is the Right audio channel and the white jack is the Left audio channel.
- Turn on the TV and DVD player. Set the TV to CVI and DVD background screen will come on the screen. You can now play your disc. Note: You need to select the channel CVI manually to playback DVD disc.







- Connect the TV's yellow, white and red (AV2 in) jacks to the corresponding Video and Audio jacks on the player.
- 2 Connect the TV's red and white (R and L) AUDIO IN jacks to the corresponding AUDIO OUT jacks on the player. Match the cable colour to the jacks' colour. The red jack is the Right audio channel and the white jack is the Left audio channel.
- 3 Turn on the TV and VCR player. Set the TV to channel AV2. You can now play your video cassette tape.

Connection is also possible via the aerial cable. You will therefore need to tune in your video recorder's test signal and assign a channel number 0. Select channel 0 to playback.

Peripherals

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# Connecting peripheral equipment

# Other equipment



Carry out the connections shown opposite.
To optimise picture quality, connect the equipment which produces the video signals (digital decoder, games, etc) to AV1 in and equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders, certain DVD drives to AV2 in and all other equipment to either AV1 in or AV2 in.

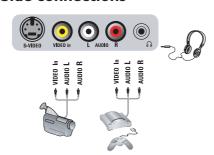
# **Amplifier**





1 To connect to a hi-fi system, use an audio connection cable and connect the "L" and "R" outputs on the TV set to the "AUDIO IN" "L" and "R" input on your hi-fi amplifier. Make the connections as shown opposite.

# **Side connections**



With the (12) key, select the channel Side. For a monophonic device, connect the audio signal to the AUDIO L input. Use the (13) key to reproduce the sound on the left and right speakers of the TV set.

# Headphones

When headphones are connected, the sound on the TV set will be cut. The VOL + or – keys are used to adjust the volume level. The headphone impedance must be between 32 and 600 Ohms.

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Peripherals





# Tips

#### **Poor reception**

The proximity of mountains or high buildings may be responsible for ghost pictures, echoing or shadows. In this case, try manually adjustingyour picture: see Fine Tuning (p. 7) or modify the orientation of the outside aerial. Does your antenna enable you to receive broadcasts in this frequency range (UHF or VHF band)? In the event of difficult reception (snowy picture) switch the **NR** on the **Picture** menu to **ON** (p. 9).

#### No picture

If the television does not switch on, press the standby key (a) (located on the remote control) twice. Have you connected the aerial socket properly? Have you chosen the right system? (p. 7). Poorly connected euroconnector cables or aerial sockets are often the cause of picture or sound problems (sometimes the connectors can become half disconnected if the TV set is moved or turned). Check all connections.

# No sound

If on certain channels you receive a picture but no sound, this means that you do not have the correct TV system.

Modify the System setting (p. 7).

# Colour patches on screen

Switch off the TV by the mains power button and wait for about 20 minutes before switching on again.

#### Good picture but no sound

Try to increase the volume level. Check that the sound is not set to "mute". If it is, press the key key to restore the sound.

# Good sound but poor colour or no picture

Try to increase 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 the appliances.

# Double or "Ghost" images

Possible poor positioning of antenna. Using a high directional antenna may improve reception.

# Peripheral equipment gives a black and white picture

You have not selected the socket connection to the right channel with the key: for example, AV1 in socket connection should select channel AV1 to playback. To play a video cassette, check that it has been recorded under the same standard (PAL or NTSC) which can be replayed by the video recorder.

### The remote control does not work

Check that the batteries are the right way round and there is no obstruction between the remote control and the TV. If the light indicator on the set no longer flashes when you use the remote control, replace the batteries.







# **Glossary**

#### 4:3

Refers to the ration between the length and the height of the screen. Wide screen televisions have a ration of 16:9 while conventional televisions have a ratio of 4:3.

#### 4:3 Expand

The images recorded in "letterbox" format are expanded to fill the entire screen and the black horizontal bars at the top and bottom are removed.

#### **Active Control**

Is a unique, intelligent, and proactive control system, which measures and analyzes the incoming analog signal 60 times per second to automatically adjust settings for optimal picture quality.

#### Component video input (CVI)

Supports advanced video input (such as DVD) for superb colour purity, crisp colour detail and reduced colour noise-surpassing even that of S-Video!

#### **Colour Transient Improver (CTI)**

Color signals are processed to bring out subtle differences resulting in greater depth and enhanced color definition, as color bleed between color borders are eliminated. Therefore, there is an improved color definition and contrast without discoloration or blurring.

# Luminance Transient Improver (LTI)

A new generation edge-enhancement technology which is applied directly to the video processing circuit to increase clarity and sharpness at the point of transition from the dark to light areas of the image. As a result there is an increase clarity and sharpness especially between dark and light areas of an image.

#### Contrast+

enhances the darker portions of the picture to improve its picture quality.

# Personal Zapping

A Philips trade marked feature which allows any combination of favourite teletext pages or TV channels to be stored in the coloured Favourite Channels/Teletext keys. A total of 10 preferred channels/teletext pages of the same subject or user can be stored in each coloured key.

#### Scan Velocity Modulation (SVM)

It is an innovative circuit design to enhance edge details by varying the speed of the electron beam. It dramatically improves overall definition and contrast without any discoloration or blurring.

### **S-VHS Signals**

These are 2 separate Y/C video signals from the S-VHS and Hi-8 recording standards. The luminanace signals Y (Black and white) and chrominance signals C (colour) are recorded separately on the tape. This provides better picture quality than with standard video (VHS and 8 mm) where the Y/C signals are combined to provide only one video signal.

### System

Television pictures are not broadcast in the same way in all countries. There are different standards: BG, DK, I and NTSC. The system setting (p. 5) is used to select these different standards.







# Product type 29PT7325

#### **P**ICTURE

- Picture screen diameter: 29" (720 mm)
- Visible screen size: 27" (680 mm)
- Picture Tube: Real Flat 4:3
- 100 Hz
- Progressive Scan
   (Auto Switching with manual override)
- Scan Velocity Modulation
- 3D Digital Combfilter
- 3:2 Pulldown
- EDDI Smoothing Edge De-interlacer
- Contrast
- Active Control Plus with Luminance Transient Improver (LTI)
- Colour Transient Improver (CTI)
- Colour Temperature Control
- Black Stretch
- Smart Picture Modes
- Demo
- Digital Noise Reduction (DNR)

# Sound

- Sound output: 20 W rms
- 2 on board speakers
- AV Stereo Sound
- Incredible Surrround
- Smart Sound Modes
- Auto volume Leveller

# Ease of use

- Sleeptimer
- 100 presets channel selection
- · Personal Zapping
- Zappa Remote Controller

#### **Side Connections**

- S-Video
- · Video and Audio inputs
- · Headphone out

#### **Rear Connections**

- AV1: 1 FH (CVI), Video and Audio inputs
- AV2: S-Video, Video and Audio inputs
- AV3: 2 FH (HD-CVI)
- Monitor Out

## Reception

- Tuning system: PLL
- Colour Transmission system off-air: PAL I, PAL D/K
- AV Connections: NTSC 3.58/4.43, PAL 4.43
- Channel selections: UVSH

# Size and weight

- Mains: AC 150-276V, 50/60 Hz
- Net weight: 44 kg
- Gross weight: 48 kg
- Set dimensions:W  $\times$  D  $\times$  H mm (785  $\times$  502  $\times$  590) mm
- Box dimensions: W x D x H mm (897 x 666 x 758) mm







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