

Register your product and get support at
www.philips.com/welcome

21PT8439/94
21PT3429/94



EN User manual

PHILIPS

1 Important

Read and understand all instructions before you use your TV. If damage is caused by failure to follow instructions, the warranty does not apply.

Safety

Risk of electric shock or fire!

- Never expose the TV to rain or water. Never place liquid containers, such as vases, near the TV. If liquids are spilt on or into the TV, disconnect the TV from the power outlet immediately. Contact Philips Consumer Care to have the TV checked before use.
- Never place the TV, remote control or batteries near naked flames or other heat sources, including direct sunlight. To prevent the spread of fire, keep candles or other flames away from the TV, remote control and batteries at all times.



- Never insert objects into the ventilation slots or other openings on the TV.

Risk of short circuit or fire!

- Never expose the remote control or batteries to rain, water or excessive heat.
- Avoid force coming onto power plugs. Loose power plugs can cause arcing or fire.

Risk of injury or damage to the TV!

- Two people are required to lift and carry a TV that weighs more than 25 kg.
- If the TV is transported in temperatures below 5°C, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of injury to children! Follow these

precautions to prevent the TV from toppling over and causing injury to children:

- Never place the TV on a surface covered by a cloth or other material that can be pulled away.
- Ensure that no part of the TV hangs over the edge of the surface.
- Never place the TV on tall furniture (such as a bookcase) without anchoring both the furniture and TV to the wall or a suitable support.
- Educate children about the dangers of climbing on furniture to reach the TV.

Risk of overheating!

- Never install the TV in a confined space. Always leave a space of at least 4 inches or 10 cm around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.

Risk of injury, fire or power cord damage!

- Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.
- When you disconnect the power cord, always pull the plug, never the cable.
- Disconnect the TV from the power outlet and aerial before lightning storms. During lightning storms, never touch any part of the TV, power cord or aerial cable.

Screen care

- Avoid stationary images as much as possible. Stationary images are images that remain on-screen for extended periods of time. Examples include: on-screen menus, black bars and time displays. If you must use stationary images, reduce screen contrast and brightness to avoid screen damage.
- Unplug the TV before cleaning.
- Clean the TV and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the TV.
- Risk of damage to the TV screen! Never touch, push, rub or strike the screen with any object.
- To avoid deformations and colour fading, wipe off water drops as soon as possible.

Disposal of your old product and batteries



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.



When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste.

Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.



Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste.

Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.

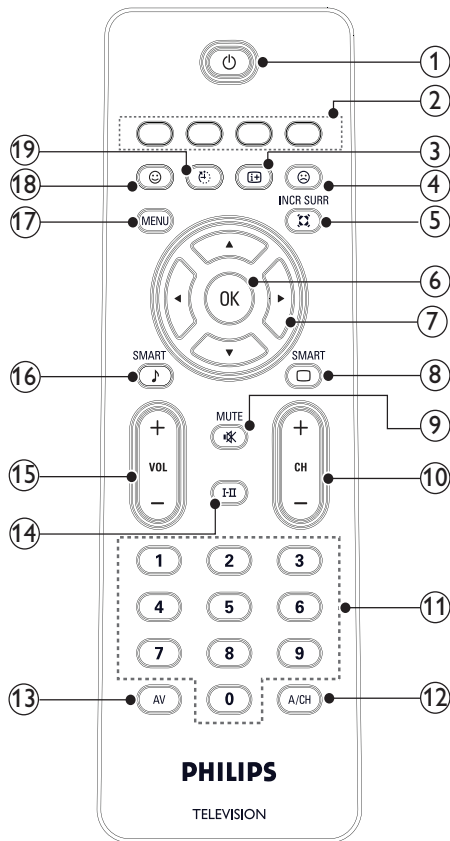
2 Your product

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers; register your product at www.philips.com/welcome.

Product overview

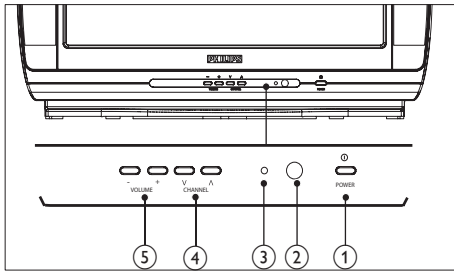
This section gives you an overview of commonly used controls and functions.

Remote control



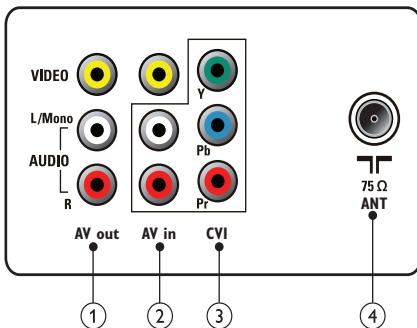
- ① **⏻ (Standby-On)**
 - Switches the TV to standby if it is on.
 - Switches on the TV if it is in standby.
- ② **Not used.**
- ③ **ℹ INFO**
Displays programme information, if available.
- ④ **Not used.**
- ⑤ **⚡ INC R. SURR (Used only in some models)**
Enables Incredible Surround for stereo sources. Enables spatial mode for mono sources.
- ⑥ **Not used.**
- ⑦ **▲▼◀▶ (Navigation buttons)**
Navigates through the menus.
- ⑧ **◻ SMART (Smart picture)**
Cycles through pre-defined picture settings.
- ⑨ **🔇 (Mute)**
Mutes or restores audio output.
- ⑩ **CH +/- (Channel +/-)**
Switches to the next or previous channel.
- ⑪ **0-9 (Numeric buttons)**
Selects a channel or setting.
- ⑫ **A/CH (Alternative channel)**
Toggles between the current channel and the last viewed channel.
- ⑬ **AV**
Selects connected devices.
- ⑭ **DUAL 🔄**
Switches from Stereo to Mono.
- ⑮ **VOL +/- (Volume +/-)**
Increases or decreases volume.
- ⑯ **🔊 SMART (Smart Sound)**
Cycles through pre-defined sound settings.
- ⑰ **MENU**
Toggles the main menu on or off.
- ⑱ **Not used.**
- ⑲ **⌚ TIMER**
Sets the timers.

Controls and indicators



- ① **⏻ POWER:** Switches the product on or off.
- ② Remote control sensor
- ③ Standby indicator
- ④ **CHANNEL ∇/\wedge :** Switches to the next or previous channel.
- ⑤ **VOLUME $+/-$:** Increases or decreases volume.

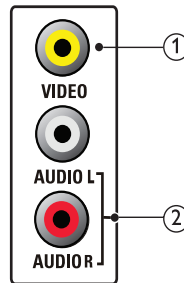
Back connectors



- ① **AV OUT**
Audio and video output to analogue devices such as another TV or a recording device.
- ② **AV IN (VIDEO and AUDIO L/R)**
Analogue audio and video input from analogue or digital devices such as DVD players, satellite receivers and VCRs.

- ③ **CVI**
Video input from analogue devices such as DVD, receiver, game console, etc. This connector is used with audio input.
- ④ **TV ANTENNA**
Signal input from an antenna, cable or satellite.

Side connectors



- ① **VIDEO**
Composite video input from analogue devices such as VCRs.
- ② **AUDIO L/R**
Audio input from analogue devices connected to **VIDEO**.

3 Get started

Connect devices

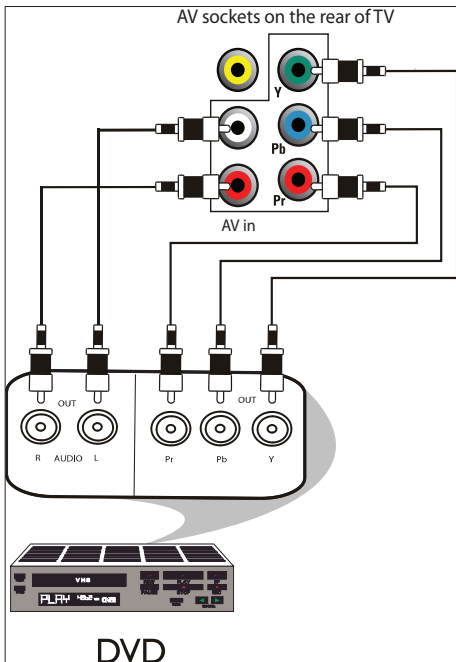
This section describes how to connect various devices with different connectors.

Note

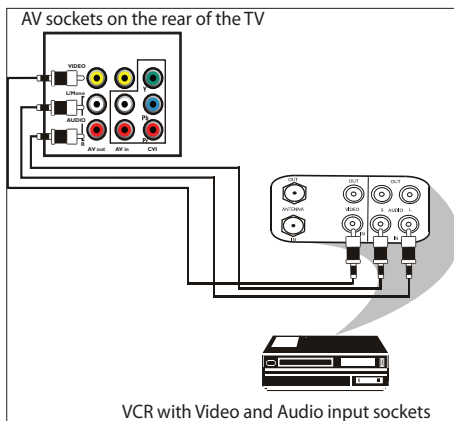
- Different types of connectors may be used to connect a device to your TV, depending on availability and your needs.

Connect devices

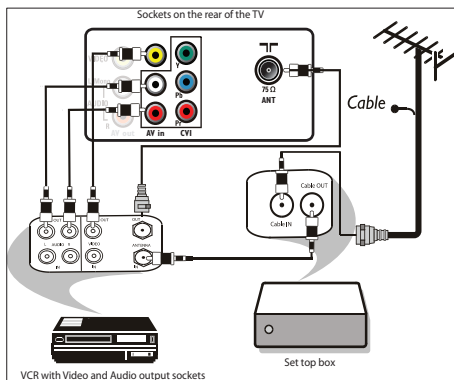
Connect a video player:



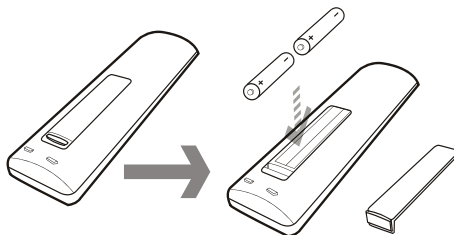
Connect a video recorder:



Connect a video recorder and a set-top box:



Insert remote control batteries



4 Install channels

Automatically install channels

Note

- Make sure that the TV is in TV mode.
- Press **AV** repeatedly until the channel number appears.

- 1 Press **MENU**.
- 2 Select **[INSTALL] > [AUTO STORE]**.
- 3 Press **▶** to start the automatic search.
- 4 Press **MENU** to exit.

Manually install channels

Note

- Make sure that the TV is in TV mode.
- Press **AV** repeatedly until the channel number appears.

- 1 Press **MENU**.
- 2 Select **[INSTALL] > [MANUAL STORE] > [CHANNEL]**.
- 3 Press the numeric buttons to enter the channel number.
- 4 Press **▲** to select **[SEARCH]**.
- 5 Press **▶** to start the manual search.
- 6 Press **MENU** to exit.

Fine tune channels

- 1 Press **MENU**.
- 2 Select **[INSTALL] > [MANUAL STORE] > [FINE TUNE]**.
- 3 Press **◀▶** to adjust.
- 4 Press **Ⓜ INFO** to exit.

Skip channels

- 1 Press **MENU**.
- 2 Select **[INSTALL] > [MANUAL STORE] > [SKIP]**.
- 3 Select **[ON]** to skip channel.
- 4 Press **Ⓜ INFO** to exit.

Swap channels

- 1 Press **MENU**.
- 2 Select **[INSTALL] > [CHANNEL SWAP] > [FROM]**.
- 3 Select **◀▶** or the numeric buttons to enter the channel number.
- 4 Press **▼** to select **[To]**.
- 5 Press **◀▶** or the numeric buttons to key in the channel number.
- 6 Press **▼** to select **[EXCHANGE]**.
- 7 Press **◀▶** to exchange the programs of the two channels.
- 8 Press **Ⓜ INFO** to exit.

Select the colour and sound system



- 1 Press **MENU**.
- 2 Select **[INSTALL] > [MANUAL STORE] > [COLOUR SYS]**.
- 3 Select **◀▶** to select your colour system.
- 4 Press **▼** to select **[SOUND SYS]**.
- 5 Press **◀▶** to select your sound system.
- 6 Press **Ⓜ INFO** to exit.

5 Use your product


This section helps you perform basic operations (see 'Use more of your product' on page 11).

Switch your TV on/off or to standby


To switch on

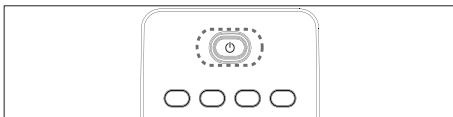
- If the standby indicator is off, press  at the front of the TV.
- If the standby indicator is red, press  on the remote control.

To switch to standby

- Press  on the remote control.
➔ The standby indicator switches to red.

To switch off

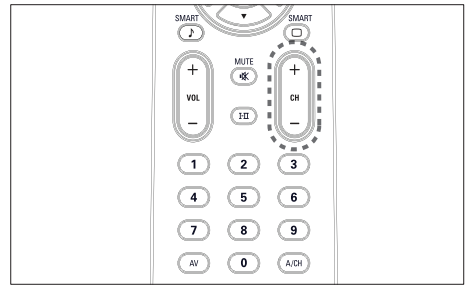
- Press  at the front of the TV.
➔ The standby indicator switches off.



Tip

- Though your TV consumes very little power when in standby, energy continues to be consumed. When not in use for an extended period of time, disconnect the TV power cable from the power outlet.

Switch channels



- Press **CH +/-** on the remote control or ∇/Δ at the front of the TV.
- Enter a channel number using the **Numeric buttons**.

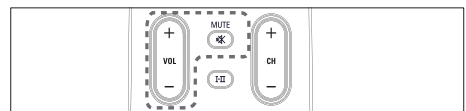
Watch connected devices

Use the source button



Press **AV** repeatedly to cycle through the various sources.



Adjust TV volume



To increase or decrease volume

- Press **VOL +/-**.
- Press **+/-** at the front of the TV.

To mute or unmute sound

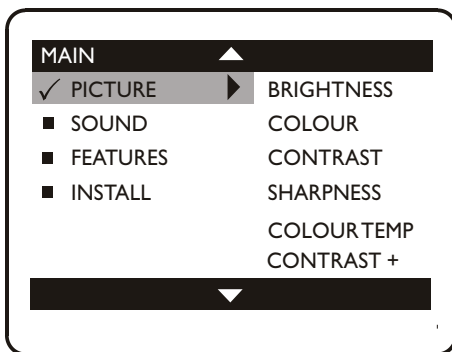
- Press  to mute the sound.
- Press  again to restore the sound.

6 Use more of your product

Access TV menus

Menus help you to install channels, change picture and sound settings and access other features.

- 1 Press **MENU**.
→ The menu screen appears.



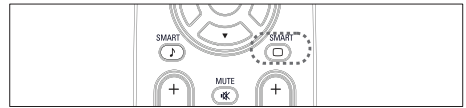
- 2 Press the **▲▼◀▶** to select and navigate through one of the following menus.
 - **[PICTURE]** Adjusts the picture setting for optimal viewing.
 - **[SOUND]** Adjusts the sound setting.
 - **[FEATURES]** Accesses features.
 - **[INSTALL]** Selects the channel installation menu.
- 3 Press **MENU** to return to the previous menu.

Change picture and sound settings

Change picture and sound settings to suit your preferences. You can apply pre-defined settings or change settings manually.

Use smart picture

Use smart picture to apply pre-defined picture settings.



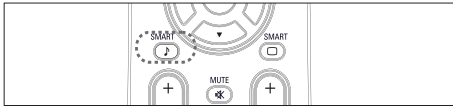
- 1 Press **SMART** repeatedly to cycle through the four settings.
 - **[PERSONAL]** Settings are set to your preference.
 - **[SOFT]** Emphasises warm colours. This setting is suitable for watching TV programmes in dimly lit rooms.
 - **[NATURAL]** Emphasises original colours.
 - **[RICH]** Emphasises vibrant colours. This is suitable for watching TV programmes in brightly lit rooms.
- 2 Press **EXIT** to exit.

Manually adjust picture settings

- 1 Press **MENU**.
- 2 Press the navigation buttons to enter the **[PICTURE]** menu.
- 3 Press **▲▼◀▶** to select from the following settings and adjust:
 - **[BRIGHTNESS]** Adjusts the intensity and details of dark areas.
 - **[COLOUR]** Adjusts colour saturation.
 - **[CONTRAST]** Adjusts the intensity of bright areas, keeping dark areas unchanged.
 - **[SHARPNESS]** Adjusts the sharpness of an image.
 - **[COLOUR TEMP]** Adjusts the orange or blue tones in a picture.
 - **[CONTRAST +]** Select ON to optimise the picture contrast for enhanced picture quality.

Use smart sound

Use smart sound to apply pre-defined sound settings.



- 1 Press **SMART** repeatedly to cycle through the four settings.
 - **[PERSONAL]**Settings are set to your preference.
 - **[VOICE]**Emphasises high tones (treble boosted).
 - **[THEATRE]**Emphasises sensation to action (bass and treble boosted).
 - **[MUSIC]**Emphasises low tones (bass boosted).
- 2 Press **EXIT** to exit.

Note

- Smart sound is available only in some models.

Adjust sound settings

- 1 Press **MENU**
- 2 Press the navigation buttons to enter the **[SOUND]** menu.
- 3 Press **▲▼◀▶** to select from the following settings and adjust:
 - **[TREBLE]**Adjusts the treble level.
 - **[BASS]**Adjusts the bass level.
 - **[BALANCE]**Adjusts the balance of the right and left speakers to best suit your listening position.
 - **[SURROUND]**Enables spatial sound.

Note

- Some of the sound settings may not be available in some models.

Use timers

You can set timers to switch the TV to standby at a specified time.

Set the time

- 1 Press **MENU**.
- 2 Select **[FEATURES]** > **[TIMER]** > **[CLOCK]**.
- 3 Press **◀▶** to set the hour and press **▼** to confirm.
- 4 Press **◀▶** to set the minutes and press **▼** to confirm.
- 5 Press **MENU** to exit.

Set timer options

- 1 Press **MENU**.
- 2 Select **[FEATURES]** > **[TIMER]** .
- 3 Press **▲▼** to select from the following options and adjust:
 - **[ON TIME]**Sets a time for the TV to turn on from standby.
 - **[ON CHANNEL]**Sets the channel that is displayed when the TV is turned on from standby.
 - **[OFF TIME]**Sets a time for the TV to turn off to standby.
 - **[SLEEP TIME]**Sets a delay (in minutes) after which the TV is turned off to standby.
 - **[CH SWITCH]**Sets a time for the TV to switch to another channel.
 - **[SWITCH TO]**Sets a channel to switch to when the TV is programmed to switch to another channel.
- 4 Press **MENU** to exit.

7 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:

- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Check that the power cable is securely connected.

The remote control is not working properly:

- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:

- Disconnect the power cable from the power outlet. Wait until the TV cools down before reconnecting the power cable. If the blinking reoccurs, contact Philips Consumer Care.

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:

- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools down and warms up. This does not impact performance.

Picture issues

The TV is on, but there is no picture:

- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:

- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.

- Loudspeakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- If reception on only one channel is poor, fine tune this channel.

There is poor picture quality from connected devices:

- Check that the devices are connected properly.
- Check that the picture settings are correctly set.

Sound issues

There is a picture but sound quality is poor:

- Check that all cables are properly connected.
- Check that the volume is not set to 0.
- Check that the sound is not muted.

There is a picture but the sound quality is poor:

- Check that the sound settings are correctly set.

There is a picture but sound comes from one speaker only:

- Verify that sound balance is set to the centre.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/support. If the problem remains unresolved, contact Philips Consumer Care in your country.



Warning

- Do not attempt to repair the TV yourself. This may cause severe injury, irreparable damage to your TV or void your warranty.



Note

- Make a note of your TV model and serial number before you contact Philips. These numbers are printed on the back of the TV and on the packaging.

8 Product information

Product information is subject to change without notice. For detailed product information, go to www.philips.com/support.

Picture

Diagonal screen size: 54 cm

Visible diagonal screen size: 51cm

Tuner/Reception/Transmission

- Antenna input: 75 ohm coaxial
- TV system: PAL, BG
- Video playback: NTSC, PAL

Remote control

- Batteries: 2 x AAA (LR03 type)

Connections

- CVI
- AV in
- AV out
- Antenna
- Side Video in and Audio in L/R

Power

- Mains power: AC 110-240 V, 50-60 Hz
- Power consumption: 72 W

9 Notice

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Warranty

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Any operation expressly prohibited in this manual, any adjustments, or assembly procedures not recommended or authorised in this manual, shall void the warranty.

Compliance with EMF

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