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Flat TV

42PFL7403

42PFL7603

47PFL7403

52PFL7803



User Manual

PHILIPS

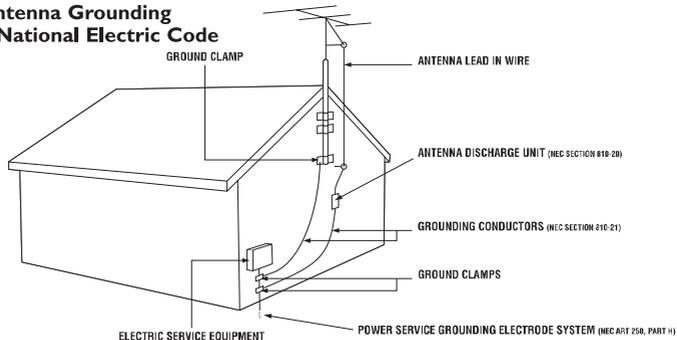
IMPORTANT SAFETY INSTRUCTIONS

Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability**- All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
 - Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting**- The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding**- If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry**
 - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
 - a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
22. **Battery Usage CAUTION** - prevent battery leakage that may result in bodily injury, property damage, or damage to the unit.
 - Install all batteries correctly, with + and - aligned as marked on the unit.
 - Do not mix batteries (old and new or carbon and alkaline, etc.).
 - Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code



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Warranty

No components are user-serviceable. Do not open or remove covers to the inside of the product. Repairs may only be done by Philips Service Centres and official repair shops. Failure to do so shall void any warranty, stated or implied. Any operation expressly prohibited in this manual, any adjustments, or assembly procedures not recommended or authorized in this manual shall void the warranty.

Pixel characteristics

This LCD product has a high number of color pixels. Although it has effective pixels of 99,999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

Compliance with EMF

Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers, which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals.

One of Philips' leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.

Philips is committed to develop, produce and market products that cause no adverse health effects.

Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardization for early integration in its products.

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Important

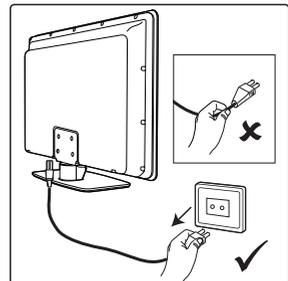
Congratulations on your purchase and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Read this user manual before you start to use this product.

In particular, pay close attention to this section and follow the safety and screen care instructions. The product warranty does not apply if damage is caused by failing to follow these instructions.

Safety

- Two people are required to lift and carry a TV that weighs more than 25 kilos (55lb). Improper handling of the TV can result in serious injury.
- To avoid short circuit, do not expose the TV, remote control or remote control batteries to rain or water.
- To avoid risk of fire or electric shock, do not place the TV, remote control or remote control batteries near naked flame sources (for example, lighted candles) and other heat sources including direct sunlight.
- Do not touch any part of the TV, power connector or antenna cable during lightning storms.
- Do not install the TV in a confined space such as a bookcase. Leave a space of at least 10cm (four inches) around the TV for ventilation. Be sure air flow is not obstructed.
- If mounting the TV on a flat surface, be sure to use only the supplied stand and to mount the TV on a level, solid surface. Do not move the TV if the stand is not properly screwed to the TV.
- Wall mounting of the TV should only be performed by qualified personnel. The TV must only be mounted on an appropriate wall bracket and on a wall that can safely hold the weight of the TV. Improper wall mounting can result in severe injury or damage. Do not attempt to wall mount the TV yourself.
- If the TV is mounted on a swivel base or swivel arm, ensure no strain is placed on the power cord when the TV is swivelled. Strain on the power cord can loosen connections and cause arcing or fire.
- Do not place the TV on the cord or anything else that can pinch the cord or loosen the mains plug. An improperly connected mains plug or damaged mains cord can cause arcing, fire or electric shock.
- Be sure that you have full access to the mains cord for easy disconnection of the TV from the mains.
- When disconnecting the TV from the mains, be sure to:
 - Turn off the TV, then the mains power (if available).
 - Unplug the mains cord from the mains socket outlet.

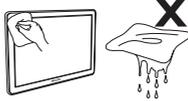


Important

- Unplug the mains cord from the power connector at the back of the TV. Always pull the mains cord by the plug. Do not pull the mains cord.
- Permanent hearing loss may occur if you use earphones or headphones at high volumes. Though high volume may sound normal over time, it can damage your hearing. To protect your hearing, limit the amount of time you use earphones or headphones at high volume.
- Although your TV consumes very little power when in standby, energy continues to be consumed as long as the mains remain connected and powered. When not in use for extended periods of time, switch off and disconnect the TV from the mains.

Screen care

- Turn off and unplug the mains cord before cleaning the screen.
- Clean the screen with a soft, dry cloth. Do not use substances such as household cleaning agents as these may damage the screen.



- To avoid deformations or color fading, wipe off water droplets as soon as possible.
- Do not touch, push, rub or strike the screen with hard objects as this may damage the screen permanently.
- Where possible, avoid stationary images that remain on-screen for extended periods of time. Examples include screen menus, teletext pages, black bars or stock market tickers. If you must use stationary images, reduce the screen contrast and brightness to avoid screen damage.

Environmental care

- This product is designed and manufactured for material recycling.
- Recycle the product packaging at your local recycling centre and dispose of used batteries according to local regulations.
- Do not dispose the product with household waste. Ask your dealer for information on how to safely dispose of the product. Uncontrolled waste disposal harms both the environment and human health (EEC 2002/96/EC).



- This TV consumes minimal energy in standby mode to minimise environmental impact. Active power consumption is displayed at the back of the TV.

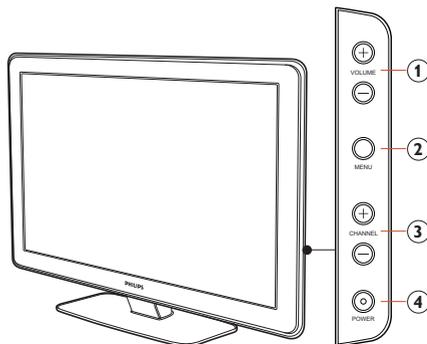
Caution

This is Class 1 apparatus. It must be connected to a mains socket out with a protective earthing connection.

Overview of television controls and connectors

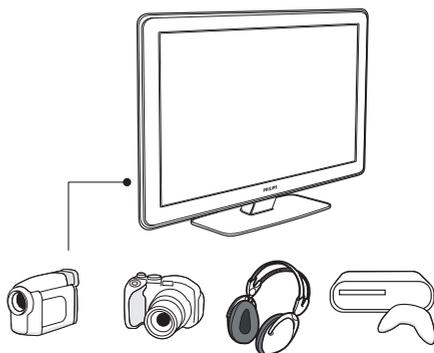
Side controls

- VOLUME + / -**
To increase or decrease volume.
- MENU**
To display the on-screen menus or to exit from the on-screen menus.
The **CH + / -** buttons can be used to navigate the menu items.
The **VOLUME + / -** buttons can be used to select the menu items.
- CHANNEL + / -**
To select the TV channel.
- POWER** 
To turn off or turn on the TV.



Side connectors

Use the side connectors for mobile devices such as a digital camera or game console. You can also connect a pair of headphones.

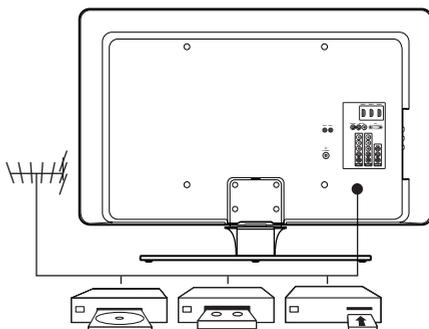


Rear connectors

Use the rear connectors for antenna and permanent devices such as a high-definition disc player, DVD player or VCR.

NOTE:

For more information about TV connections, see the *Quick Start Guide*.



Overview of remote control keys and functions

1. POWER

To switch the TV to standby mode if it is already turned on. Or to turn on TV when it is in standby mode.

2. SOURCE

To display the input source list or to cycle through list of input sources by repeatedly pressing button.

3. AMBILIGHT MODE

To select or cycle through the available Ambilight modes. Not applicable on all models.

4. AMBILIGHT ON/OFF

To turn on or turn off Ambilight. Not applicable on all models.

5. TIMER

To activate the Timer menu.

6. SLEEP

To switch to standby after a specified delay.

7. INCREDIBLE SURROUND

To enable Incredible Surround in stereo mode and Spatial in mono mode.

8. CURSOR

To navigate and select menu items and adjust individual settings

9. BACK

To return to the previous menu.

10. MENU

To switch the menu on or off.

11. VOL (Volume + / -)

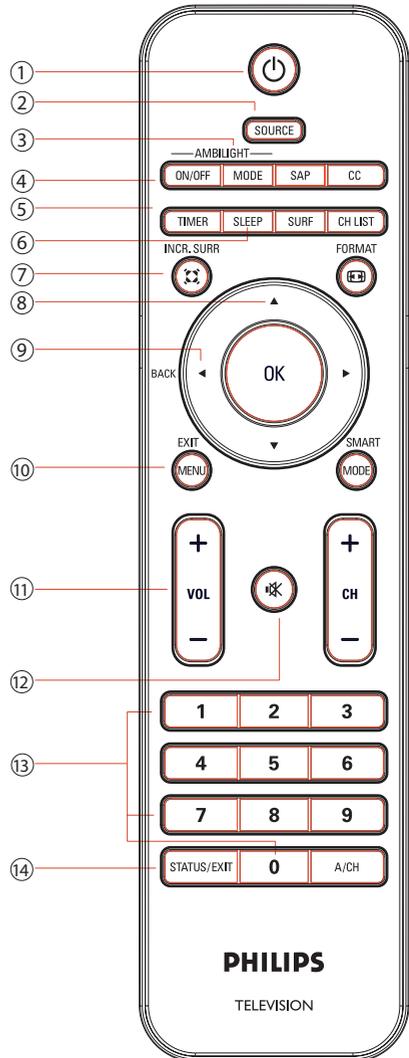
To turn up or turn down the sound level.

12. MUTE

To turn the speaker sound on or off.

13. Numeric (0-9)

To enter channel number, set time or timer.



14. STATUS / EXIT

To display information on the current channel or to exit on-screen menus.

Overview of remote control keys and functions

15. SAP

To select **SAP**, **Stereo** or **Forced Mono**.

16. CC (Closed caption)

To display current closed caption setting or cycle through list.

17. SURF

To channel surf up to 8 channels.

18. CHANNEL LIST

To display the list of available channels.

19. FORMAT

To cycle through a selection of picture formats.

20. OK

To select menu items or confirm a selection.

21. SMART MODE

To select or cycle through predefined picture and sound settings.

22. CH (Channel + / -)

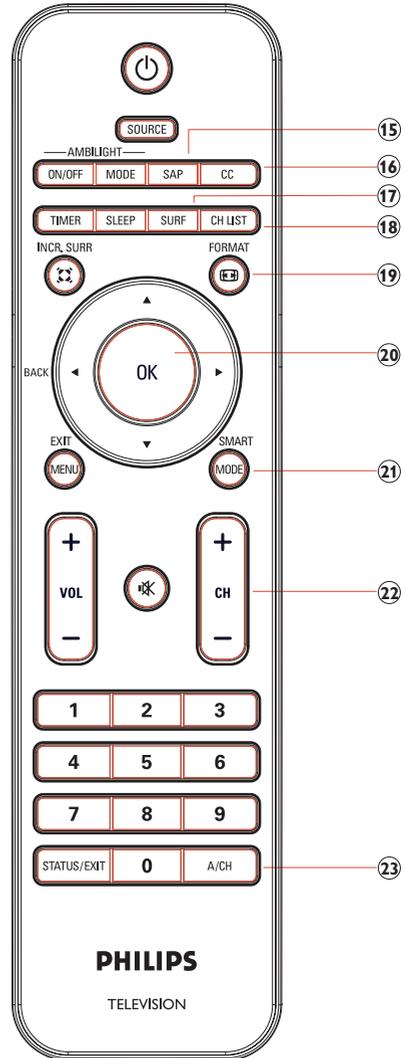
To select the channel number upwards or downwards.

23. A/CH (Alternate Channel)

To display the last viewed channel and the current channel.

NOTE:

Press **OK** to select menu items or confirm your selection. Alternatively, press **▶**. For brevity, only **OK** is mentioned in the User Manual.



Get started

If necessary, refer to the *Quick Start Guide* for stand mounting instructions.

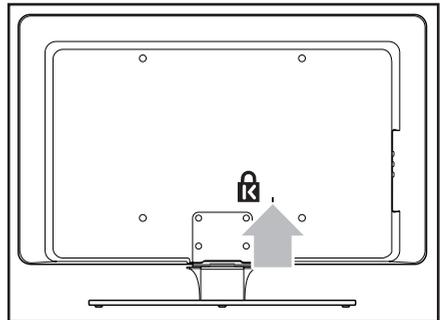
Position the TV

In addition to reading and understanding the safety instructions at the beginning of the user manual, consider the following before positioning your TV:

- The ideal viewing distance for watching TV is three times its screen size.
- Position the TV where light does not fall directly on the screen.
- Connect your devices before you position your TV.
- Your TV is equipped with a Kensington Security Slot at the back of the TV.

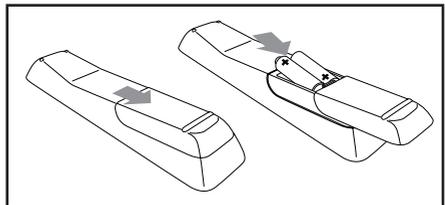
If connecting an anti-theft Kensington lock (not supplied), position the TV within reach of a permanent object (such as a table) that can be easily attached to the lock.

- For the best Ambilight effect, position the TV 10cm (four inches) to 20cm (eight inches) away from the wall. Ambilight also works best in a room with dim lighting.



Install the remote control batteries

1. Slide the battery cover off the back of the remote control.
2. Insert the two supplied batteries. Be sure the + and - ends of the batteries line up with the markings inside the case.
3. Slide the cover back into position.



NOTE:

Remove the batteries if not using the remote control for an extended period of time.

Get started

Use the Source List

The Source List lets you select the audio and video source that your device is connected to.

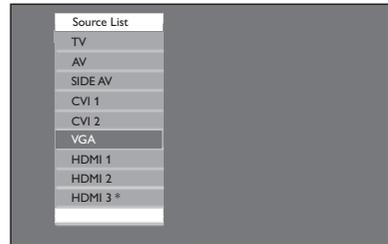
1. Press **SOURCE** to display the audio and video source list.
2. Press ▼ or ▲ to highlight your AV source.
3. Press **OK** to select your AV source.
The TV displays the AV source.

Source list:

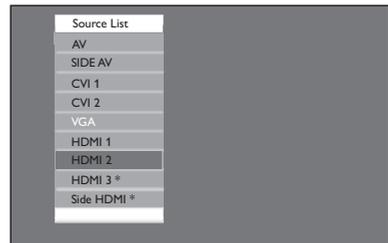
- **TV**: Normal TV broadcast via the 75-ohm antenna connector.
- **AV**: Composite video and audio output.
- **SIDE AV**: Headphone jack, Composite video and audio, and S-Video input.
- **CVI 1**: Component video (Y Pb Pr) with Component audio input.
- **CVI 2**: Component video (Y Pb Pr) with Component audio input.
- **VGA**: Video Graphics Array with audio input.
- **HDMI 1**: High Definition Multimedia Interface input.
- **HDMI 2**: High Definition Multimedia Interface input.
- **HDMI 3 ***: High Definition Multimedia Interface input.
- **Side HDMI ***: High Definition Multimedia Interface input.

Refer to *Quick Start Guide* for connection instructions.

* Available on selected models.



* Not available on all models



* Not available on all models

Get started

Wall-mount the TV

WARNING:

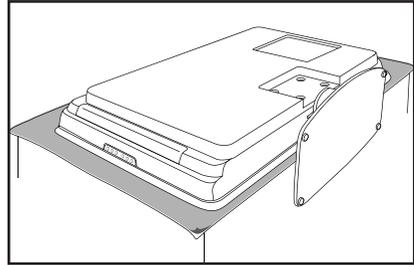
Wall mounting the TV should only be performed by qualified installers. Koninklijke Philips Electronics N.V. bears no responsibility for improper mounting that results in accident or injury.

1. Purchase a VESA-compatible wall bracket
Depending on the size of your TV screen, purchase one of the following wall brackets:
2. Remove the TV stand.

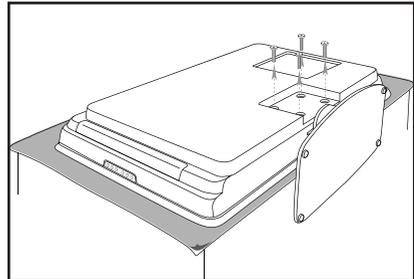
NOTE:

These instructions are only applicable to TV models with mounted stands. If your TV stand is not mounted, skip to *Secure the VESA-compatible wall bracket to the TV.*

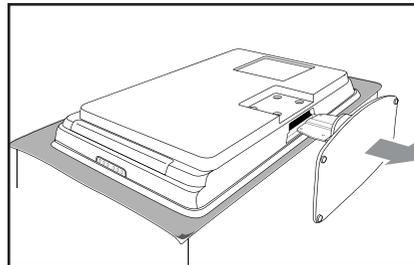
3. Carefully place the TV face down on a flat, stable surface that is covered by soft cloth. The cloth should be thick enough to protect your screen.



4. Using a cross-head screwdriver (not supplied), unscrew the four screws that secure the stand to the TV.



5. Firmly pull the stand from the bottom of the TV. Place both the stand and screws in a secure location for future reinstallation.

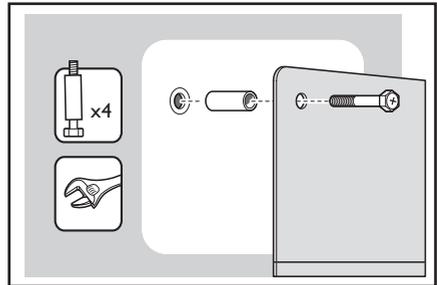
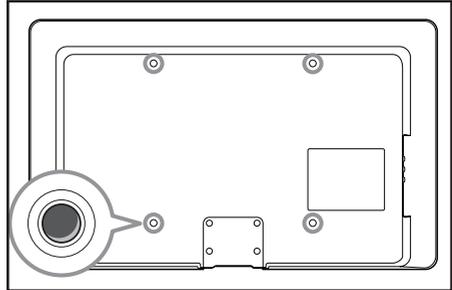


Get started

Secure the VESA-compatible wall bracket to the TV

Connect the antenna cable, mains cord and all other devices to the back of the TV as described in the *Quick Start Guide*.

1. Locate the four mounting nuts at the back of the TV.
2. Align the plate/bracket to the four mounting nuts, placing the spacers (not supplied) between the plate/bracket and the mounting nuts.
Using a spanner, insert the bolts through the plate/bracket and spacers, tightly securing the bolts to the mounting nuts.
3. Continue with the instructions provided with your VESA-compatible wall bracket.



WARNING:

Use the correct bolts and spacers (see table) to secure the VESA-compatible wall bracket to your TV.

NOTE:

Depending on your VESA-compatible wall bracket, you may need to separate the mounting plate from the wall bracket for easier installation. Refer to your VESA-compatible wall bracket documentation for instructions.

TV screen size (in / cm)	VESA-compatible wall bracket (mm)	Bolt and spacer type	Special instructions
32" / 82cm	Adjustable 300 x 300.	4 of M6 x 10mm steel bolt or 4 of M6 x 50mm steel bolt with 40mm spacer.	Adjust bracket to 200 x 300 before securing to the TV.
42" / 107cm or larger	Fixed 400 x 400.	4 of M8 x 15mm steel bolt or 4 of M8 x 55mm steel bolt with 40mm spacer.	None.

Get started

Select your location

When you switch on your TV for the first time, the on-screen display will prompt you to select your location.

1. Press ▲ or ▼ to select **Home** or **Shop**.
2. Press **OK** to confirm your choice.

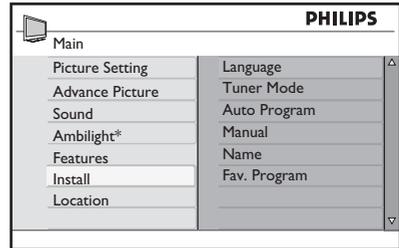
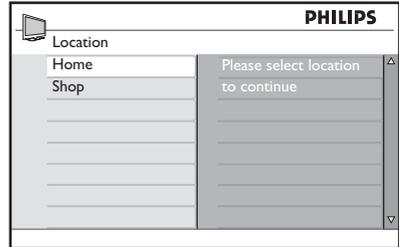
Select your on-screen menu language (TV mode only)

Before using the on-screen menus, select your menu language.

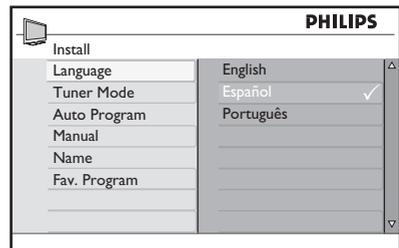
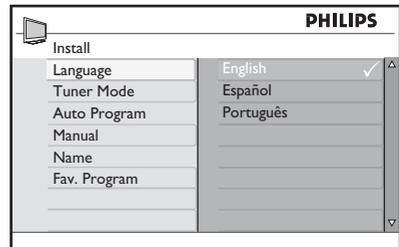
1. Press **MENU** to display the on-screen menus.
2. Press ▼ until **Install** is highlighted.
3. Press **OK** to select **Language**.

The available languages are displayed.

4. Press **OK** to highlight the first language or press ▼ to select the other available languages.
5. Press **OK** to select the **Language**.
6. Press **MENU** to exit.

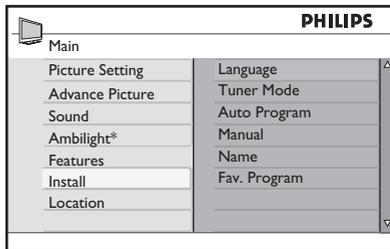


* Not available on all models



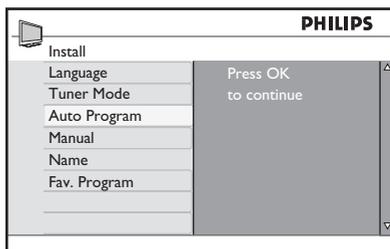
Automatic installation

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Install** is highlighted.
3. Press **OK** to select **Install**.



* Not available on all models

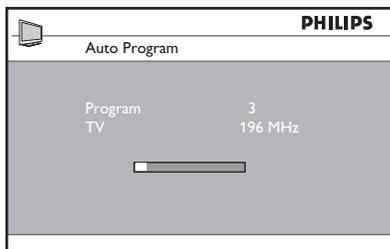
4. Press **▼** until **Auto Program** is highlighted.



5. Press **OK** to start **Auto Program**.

Auto Program starts scanning for channels automatically. When scanning is complete, the first installed channel displays on-screen.

6. Press **MENU** to exit.



TIP:

To cancel or interrupt auto searching, press **MENU**. Only channels that were found before interruption are stored.

Manual installation

You can manually set the TV tuner and system as well as fine tune the channels.

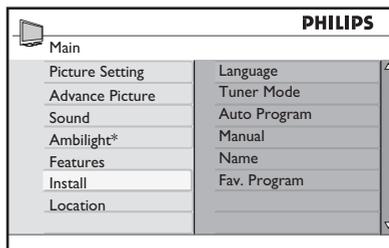
Change the Tuner Mode

If you have problems using **Auto Program** to search for channels, you can manually set the tuner system.

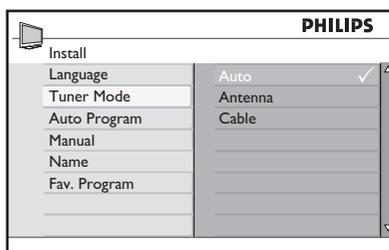
1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Install** is highlighted.
3. Press **OK** to select **Install**.
4. Press **▼** until **Tuner Mode** is highlighted.
5. Press **OK** to select **Tuner Mode**.
6. Press **▼** or **▲** to select **Auto**, **Antenna** or **Cable**.
7. Press **OK** to select the option.
8. Press **MENU** to exit.

Tuner Modes:

- **Auto:** The TV automatically detects if the cable signal input is present.
- **Antenna:** The TV detects antenna signals and searches for all antenna TV channels available in your local area.
- **Cable:** The TV detects cable signals and searches for all cable TV channels available in your local area.



* Not available on all models



Manual installation

Change the TV System

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Install** is highlighted.
3. Press **OK** to select **Install**.

4. Press **▼** until **Manual** is highlighted.

5. Press **OK** to select **Manual**.

6. Press **OK** to select **System**.

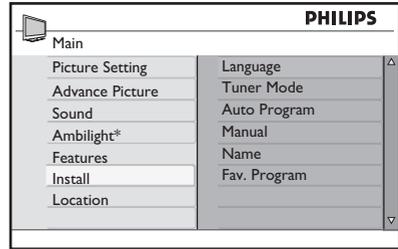
7. Press **▼** or **▲** to select **Auto**, **NTSC**, **PAL-M** or **PAL-N**.

8. Press **OK** to select the option.

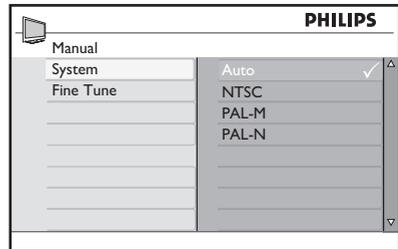
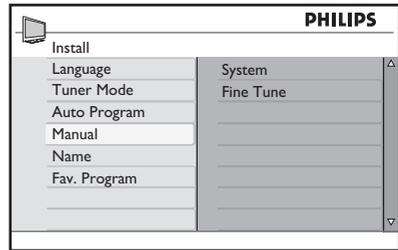
9. Press **MENU** to exit.

TV Systems:

- **Auto**: Detects the tuner system automatically.
- **NTSC**: For North American and some South American countries.
- **PAL-M**: For Brazil.
- **PAL-N**: For Argentina, Uruguay and Paraguay.



* Not available on all models



Name your channels

You can assign a short name for your channels with the **Name** feature. This is available in TV mode only.

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Install** is highlighted.
3. Press **OK** to select **Install**.
4. Press **▼** until **Name** is highlighted.
5. Press **OK** to select the first channel number on the list.

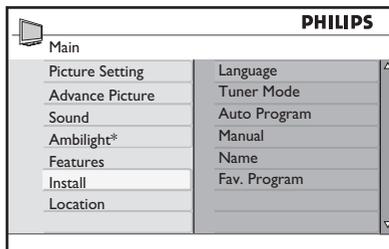
6. Press **OK** to start naming the channel.
7. Press **▶** until a rectangular block cursor appears next to the channel number.
8. Press **▼** or **▲** to cycle through the list (A-Z, 0-9) to select the characters or numbers to use for the channel name.

9. Press **OK** to move the cursor to the second space and assign the next character or number.

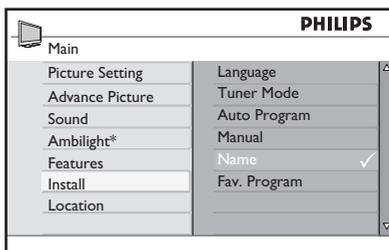
You can use up to 5 characters or numbers to name your channels.

10. Press **OK** to store the name of the channel.
The channel number and name are displayed on the top left of the screen.

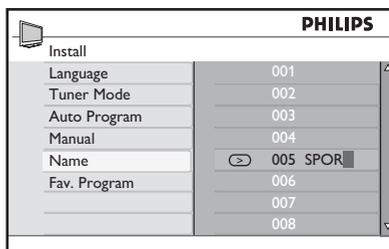
11. Press **MENU** to exit.



* Not available on all models



* Not available on all models



Store your favorite channels

The **Fav. Program** feature lets you store only the channels you want on an easily accessible favorite list.

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Install** is highlighted.
3. Press **Ⓚ** to select **Install**.
4. Press **▼** until **Fav. Program** is highlighted.

The list of channel numbers is displayed on the right panel.

All channel numbers with a tick (✓) are marked as favorite channels.

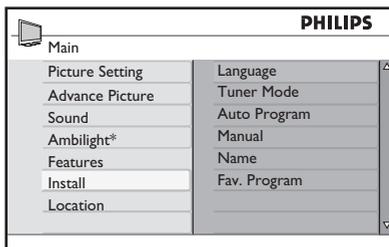
5. Press **Ⓚ** to select the first channel number on the list, or press **▼** to move down the list.
6. Press **Ⓚ** to remove the tick or add the tick to the corresponding number.

Only channel numbers with the tick are added to your favorite list. When you use the **CH + / -** buttons on the remote control, only your favorite channels are accessible.

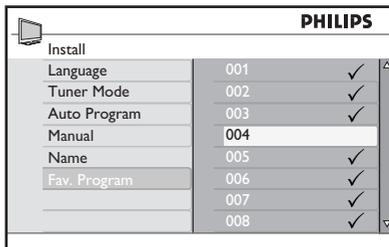
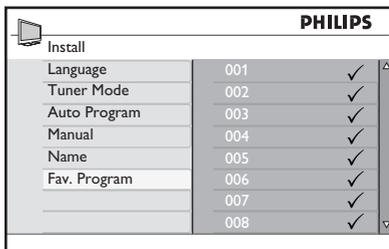
7. Press **Ⓜ** to exit.

TIP:

Press the numeric **(0-9)** to access channels not on the favorite list.



* Not available on all models



Adjust your picture settings

The **Picture** menu lets you adjust the picture settings.

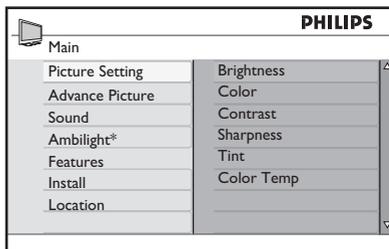
1. Press **Ⓜ** to display the on-screen menus.
2. Press **ⓐ** to select the **Picture Setting**.
3. Press **⏴** or **⏵** to highlight the menu items.
4. Press **ⓐ** to select the menu item.
5. Press **⏴** or **⏵** to adjust the settings of the menu items.

Depending on which setting you are adjusting, some items will have the level indicator bar while some will have discreet settings such as **Cool**, **Normal** and **Warm**.

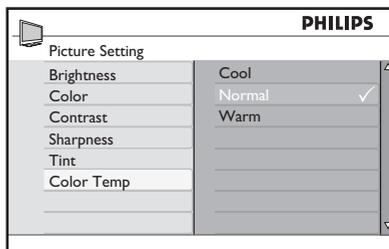
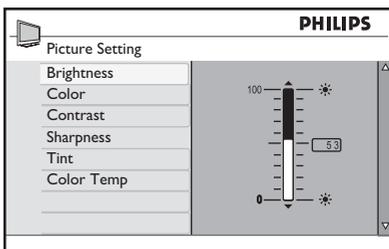
6. Press **Ⓜ** to exit.

Picture settings:

- **Brightness:** Adjusts the brightness.
- **Color:** Adjusts color saturation.
- **Contrast:** Adjusts the contrast.
- **Sharpness:** Adjusts the detail level of the picture.
- **Tint:** Adjusts the detail of the skin tones of the picture. (TV or AV modes only)
- **Color Temp:** Sets the color to **Cool** (more blue), **Normal** (balanced) or **Warm** (more red).



* Not available on all models

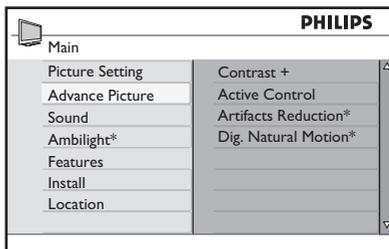


Use the Advance Picture features

Use Contrast +

Contrast + optimizes the contrast for overall picture quality.

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Advance Picture** is highlighted.
3. Press **OK** to select **Advance Picture**.
4. Press **OK** to select **Contrast +**.
5. Press **▼** or **▲** to highlight **Off** or **On**.
6. Press **OK** to confirm your choice.
7. Press **MENU** to exit.

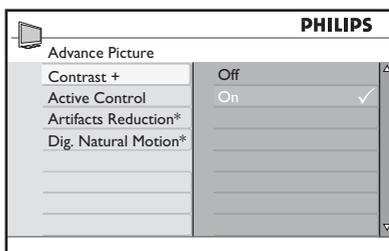


* Not available on all models

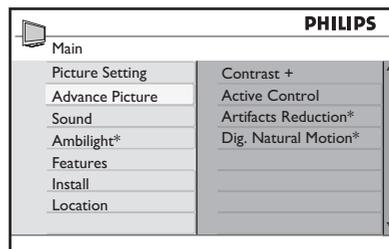
Use Active Control

Active Control is a unique and intelligent way of optimizing picture quality by measuring and analyzing the incoming signal to automatically adjust picture quality settings.

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Advance Picture** is highlighted.
3. Press **OK** to select **Advance Picture**.
4. Press **▼** until **Active Control** is highlighted.
5. Press **OK** to select **Active Control**.
6. Press **▼** or **▲** to highlight **Off**, **On** or **On + Light Sensor**.
7. Press **OK** to confirm your choice.
8. Press **MENU** to exit.



* Not available on all models

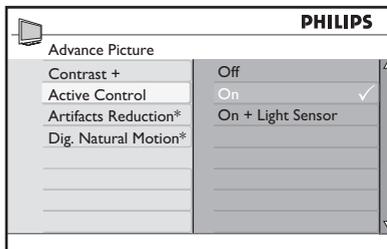


* Not available on all models

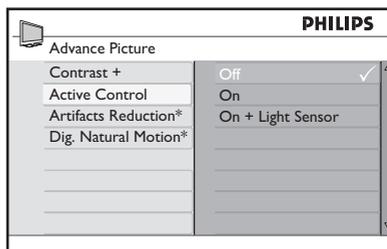
Use the Advance Picture features

Active Control settings

- **Off:** Turns off Active Control.
- **On:** Turns on Active Control.
- **On + Light Sensor:** Uses a sensor to adjust the picture brightness depending on the room light conditions.



* Not available on all models



* Not available on all models

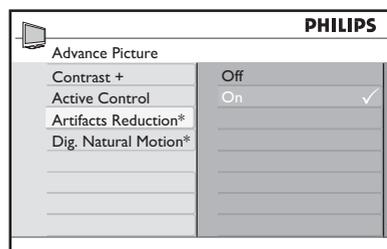
Use Artifacts Reduction and Dig. Natural Motion

(available in selected models)

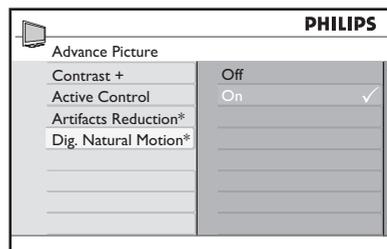
Artifacts Reduction smoothens the transitions on digital pictures.

Dig. Natural Motion reduces the field and line flicker and reproduces smooth movement especially in movies.

1. Press **⏸** and select **Advanced Picture**.
1. Press **▼** until **Artifacts Reduction** or **Dig. Natural Motion** is highlighted.
2. Press **⏹** to select **Artifacts Reduction** or **Dig. Natural Motion**.
3. Press **▼** or **▲** to highlight **Off** or **On**.
4. Press **⏹** to confirm your choice.
5. Press **⏸** to exit.



* Not available on all models



* Not available on all models

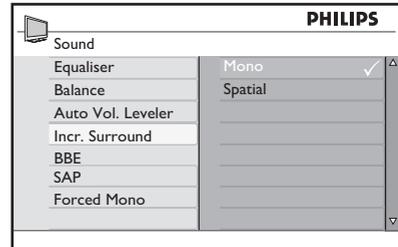
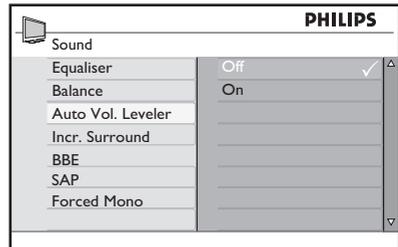
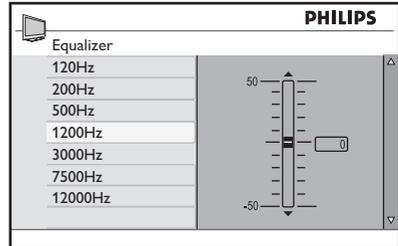
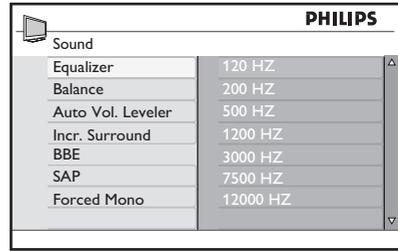
Adjust your sound settings

The **Sound** menu lets you adjust the various sound settings.

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** to highlight the **Sound** menu.
3. Press **Ⓚ** to select the **Sound** menu.
4. Press **▼** or **▲** to highlight the menu items.
5. Press **Ⓚ** to select the **Sound** menu item.
6. Press **▼** or **▲** to adjust the settings of the menu items.
Depending on which Sound item you are adjusting, some items will have the level indicator bar, some have discreet settings such as **Mono**, **Spatial**, or **On** and **Off**.
7. Press **Ⓜ** to exit.

Sound settings:

- **Equalizer:** Adjusts each individual frequency (tone).
- **Balance:** Adjusts the left and right speaker sound level.
- **Auto Vol. Leveler:** Controls sudden sound level increase when changing channels or during advertisement slots.
- **Incr. Surround:** Enhances stereo effect. Select **Incr. Surround** or **Stereo** (when in stereo mode) or **Mono** or **Spatial** (when in mono mode).
- **BBE:** Restores clarity and presence for better speech intelligibility and musical realism.
- **SAP** (Secondary Audio Programming): Activates alternative languages or commentary.
- **Forced Mono:** Select **Off** to leave broadcast signal as is. Select **On** to force the signal to mono.



NOTE:

Select **Stereo** or **Incr. Surround** modes when the TV broadcast is in stereo. You can also press **Ⓜ** to toggle the sound modes.

Use the timer

The timer feature switches the TV to standby mode or switches the TV to a specified channel at a specified time from standby mode or while the TV is already switched on.

Set the sleeptimer

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓚ** to select the **Features**.
4. Press **Ⓚ** to select **Timer**.

5. Press **Ⓚ** to select **Sleep**.
The right panel displays the sleep timer settings: **Off, 15, 30, 45, 60, 90, 120,** and **180** minutes.

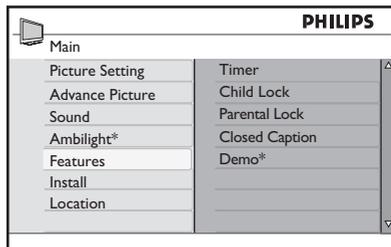
6. Press **▼** or **▲** to select the number of minutes remaining before the TV automatically switches to standby mode.
7. Press **Ⓚ** to confirm the setting.
8. Press **Ⓜ** to exit.

TIP:

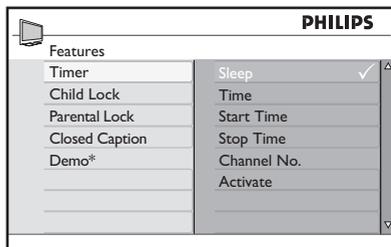
Press **STATUS / EXIT** to check if the sleeptimer is enabled or how much time remaining for the TV to switch to standby mode.

The status is displayed on the bottom of the screen.

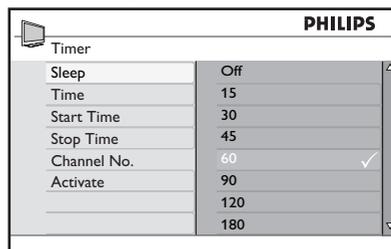
To cancel the sleeptimer, select **Off** in the **Sleep** menu.



* Not available on all models



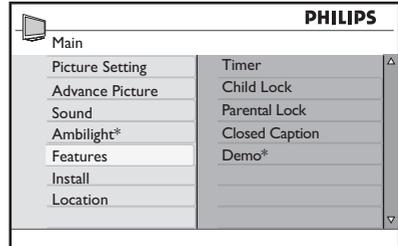
* Not available on all models



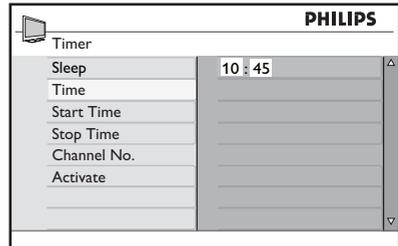
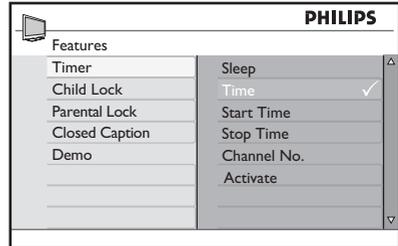
Use the timer

Set the TV time

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **OK** to select the **Features**.
4. Press **OK** to select **Timer**.
5. Press **▼** to highlight **Time**.
6. Press **OK** to select the **Time** menu.
7. Press the numeric (**0-9**) buttons of the remote control to enter the time in the 24-hour format. For example, 13:00 (for 1.00 p.m).
8. Press **MENU** to exit.



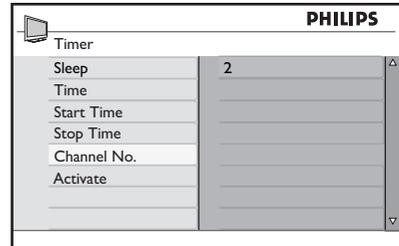
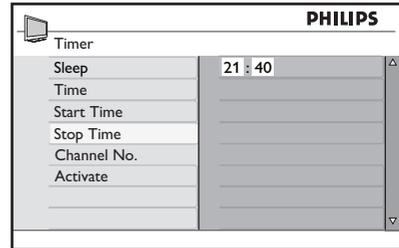
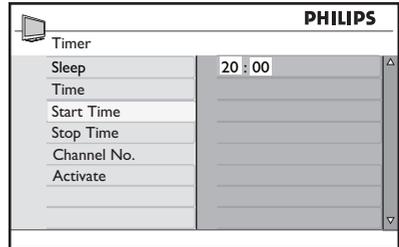
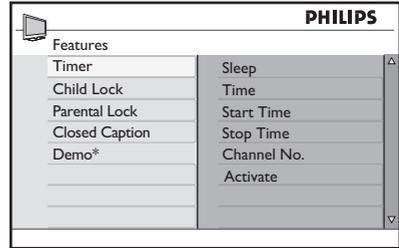
* Not available on all models



Using the timer

Setting the TV timer

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓚ** to select the **Features**.
4. Press **Ⓚ** to select **Timer**.
5. Press **▼** to highlight **Start Time**.
6. Press **Ⓚ** to select **Start Time**.
7. Press the numeric (**0-9**) buttons of the remote control to enter the time in the 24-hour format. For example, 13:00 (for 1.00 p.m).
8. Press **Ⓜ** to exit.
9. Press **◀** to return to the **Timer** menu.
10. Press **▼** until **Stop Time** is highlighted.
11. Press **Ⓚ** to select **Stop Time**.
12. Press the numeric (**0-9**) to enter the time.
13. Press **◀** to return to the **Timer** menu.
14. Press **▼** until **Channel No.** is highlighted.
15. Press **▼** or **▲** to select the channel number to be activated at the specified time.
16. Press **◀** to return to the **Timer** menu.
17. Press **▼** to highlight **Activate**.



Use the timer

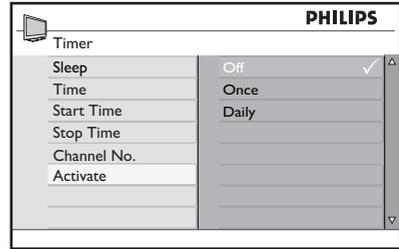
18. Press **OK** to select **Activate**.
19. Press **▼** or **▲** to select **Off**, **Once** or **Daily**.
20. Press **OK** to select the option.
21. Press **MENU** to exit.
22. Press **⏻** to switch the TV to standby mode.

Activate settings:

- **Off**: Cancels the TV timer.
- **Once**: Activates TV timer once only.
- **Daily**: Activates TV timer everyday at this time.

NOTE:

- If the TV is switched on when the timer activates, the TV switches to the channel specified in the TV timer.
- TV timer settings are lost once the TV is switched off by **POWER** button.



Child-lock the TV

Use the **Child Lock** feature to prevent children from accessing the TV without adult supervision.

Enable Child Lock

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓞ** to select **Features**.
4. Press **▼** until **Child Lock** is highlighted.
5. Press **Ⓞ** to select **Child Lock**.
6. Press **▼** or **▲** to highlight **On**.
7. Press **Ⓞ** to enable **Child Lock**.
8. Switch off the TV or put it on standby mode.

NOTE:

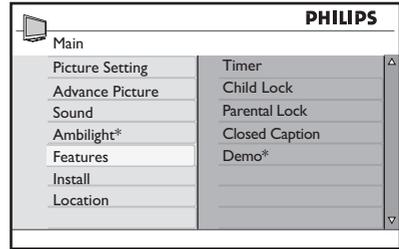
Once **Child Lock** has been enabled, you cannot access any TV channels with the **CH + / -** buttons on the TV panel or operate any of its buttons except the **POWER** button.

The TV displays “**Locked**” on the bottom of the screen.

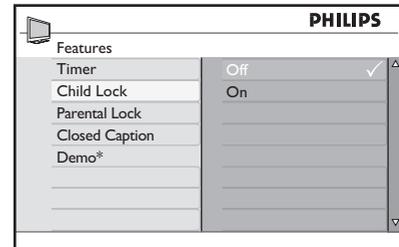
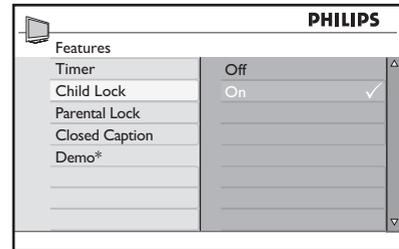
Keep the remote control away from children to prevent them from using it to by-pass **Child Lock**.

Disable Child Lock

1. Repeat Steps 1 to 5 from *Enable Child Lock*.
2. Press **▼** or **▲** to highlight **Off**.
3. Press **Ⓞ** to disable **Child Lock**.



* Not available on all models



Control access to TV channels

The **Parental Lock** feature lets you control the type of TV programs that can be accessed with according to program ratings based on age and content.

Access Parental Lock

Before you can use the **Parental Lock** features, enter your **Access Code**.

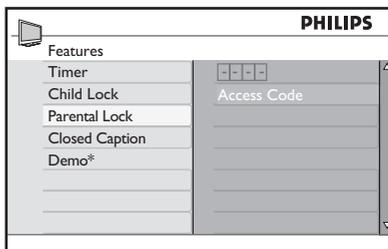
1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓞ** to select **Features**.
4. Press **▼** until **Parental Lock** is highlighted.
5. Press **Ⓞ** to select **Parental Lock**.
If you are using Parental Lock for the first time, you must enter the factory default code, **0711**.

6. Enter **0711** with the numeric (**0-9**) buttons.
Incorrect is displayed.

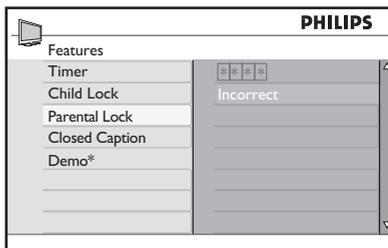
7. Enter **0711** again.
New Code is displayed after entering the code.

8. Enter your own four digit code.
You are prompted to confirm your new code.
9. Enter your new code again.
Confirmed is displayed after entering the code.

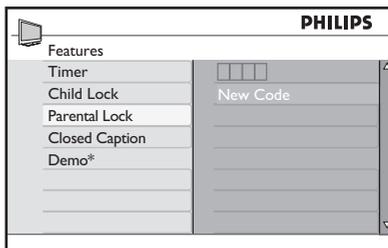
You can access the **Parental Lock** menu now.



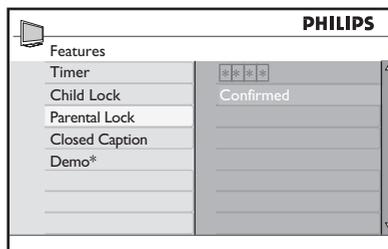
** Not available on all models*



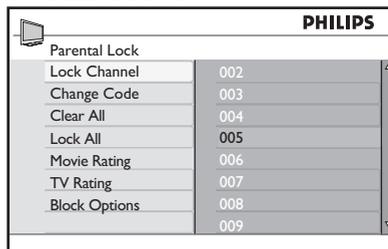
** Not available on all models*



** Not available on all models*



** Not available on all models*



Control access to TV channels

Change Access Code

1. Access the **Parental Lock** menu as described in *Access Parental Lock*.
2. Press ▼ to highlight **Change Code**.
3. Press (OK) to select **Change Code**.

You are prompted to enter your new access code.

4. Enter your new four-digit access code with the numeric **(0-9)** buttons.

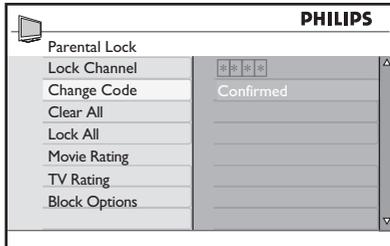
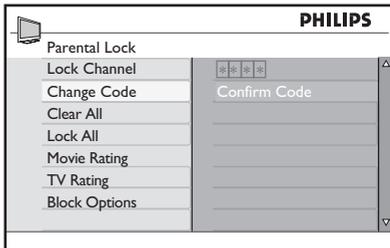
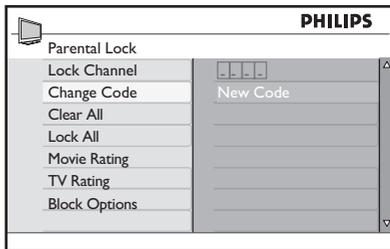
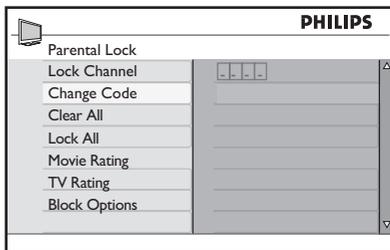
You are prompted to confirm the new access code.

5. Re-enter your new access code.

Once the system verifies your new code, **Confirmed** is displayed for a few seconds.

TIP:

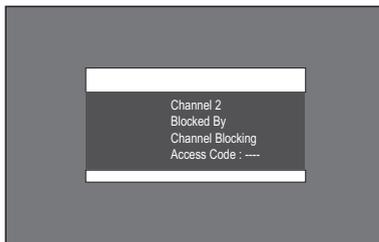
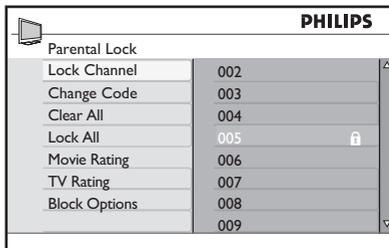
If you forget your access code, repeat all the steps from *Access Parental Lock*.



Control access to TV channels

Lock channels

1. Access the **Parental Lock** menu as described in *Access Parental Lock*.
2. Press **OK** to select **Lock Channel**.
The list of all the available channels is displayed on the right panel.
3. Press **▲** or **▼** to highlight the channel number.
4. Press **OK** to lock the channel.
A padlock symbol **🔒** is displayed beside the channel number to indicate the channel is locked.

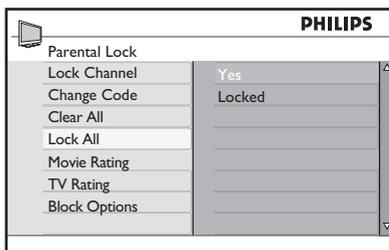


NOTE:

A message is displayed to inform you that the channel is blocked when you try to access it. You can choose to enter the Parental Lock access code to view the program.

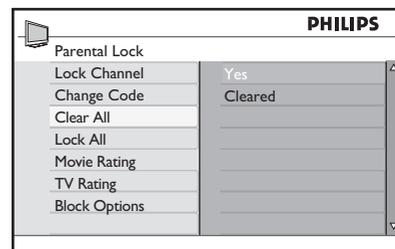
Lock all channels

1. Access **Parental Lock** menu as described in *Access Parental Lock*.
2. Press **▼** to highlight **Lock All**.
3. Press **OK** to select **Lock All**.
4. Press **OK** to select **Yes**.
All the channels are now locked.



Unlock all channels

1. Access **Parental Lock** menu as described in *Access Parental Lock*.
2. Press **▼** to highlight **Clear All**.
3. Press **OK** to select **Clear All**.
4. Press **OK** to select **Yes**.
All the channels are now locked.



Control access to TV programs

Use the movie rating lock (for certain regions only)

You can control access to movies based on their content as defined by the Motion Picture Association of America (MPAA).

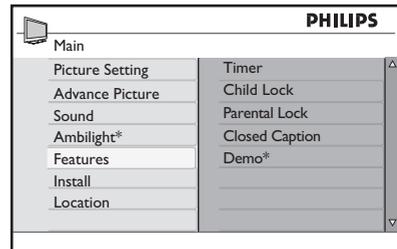
Your TV is equipped with a computer chip (V-chip) which can block program content based on their rating.

Settings apply to the TV and AV inputs only.

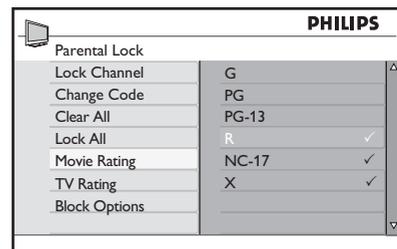
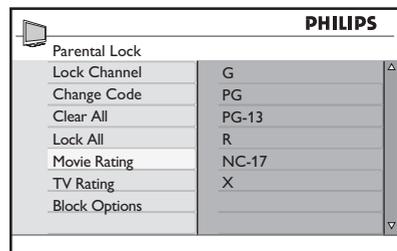
1. Access **Parental Lock** menu as described in *Access Parental Lock*.
2. Press ▼ until **Movie Rating** is highlighted.
3. Press **OK** to select **Movie Rating**.
The list of movie rating labels are displayed on the right panel.
4. Press ▼ or ▲ to highlight your choice of movie rating label.
5. Press **OK** to enable the rating.
A tick (✓) appears beside the rating label to indicate the rating lock has been enabled.
The rating labels below the one you select are also enabled.
6. Press ◀ to return to the **Parental Lock** menu.

Movie Rating:

- **G**: Suitable for all ages.
- **PG**: Some material may not be suitable for children.
- **PG-13**: Some material may not be suitable for children under 13 years of age.
- **R**: Material not suitable for children under 17 years of age. Requires parental guidance.
- **NC-17**: Not suitable for children under 17 years of age. Has excessive violence, sex or offensive language.
- **X**: Not suitable for children under 17 years of age. Content is pornographic.



* Not available on all models



Control access to TV programs

NOTE:

Movies are blocked if they fall under the movie rating category that you enabled. A message is displayed to inform you that the program has been blocked by the movie rating.

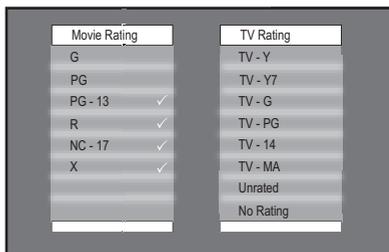
Programs remain locked even after the TV has been switched off.

You can choose to enter the Parental Lock access code to view the program.

Subsequently, all other locked programs will be viewable.

TIP:

Press **STATUS / EXIT** twice to check which TV or movie ratings are enabled. The Movie Rating and TV Rating lists are displayed.



Control access to TV programs

Use the TV Rating lock (For certain regions only)

Your TV is equipped with a computer chip (V-chip) that can block content based on TV ratings defined by your broadcaster. TV ratings are based on age and content.

Age-based rating	Content-based rating
TV-Y	None
TV-Y7	FV (Fantasy Violence)
TV-G	None
TV-PG	V (Violence) S (Sex) L (Strong Language) D (Sexual Dialog)
TV-14	V (Violence) S (Sex) L (Strong Language) D (Sexual Dialog)
TV-MA	V (Violence) S (Sex) L (Strong Language)

TV-Y: Suitable for all children. Programs are not expected to frighten children.

TV-Y7: For children 7 years or older who can tell make-believe from reality. Some mild fantasy violence or comedic violence. Programs may frighten younger children under 7 years of age.

TV-Y7 FV: Fantasy violence more intense or combative than those in TV-Y7 category.

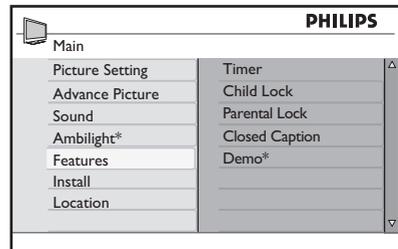
TV-G: Suitable for all children but not designed specifically for children.

TV-PG: Parental guidance needed. Some violence, strong language, sexual situations or suggestive dialog. Parents should watch these programs with their children.

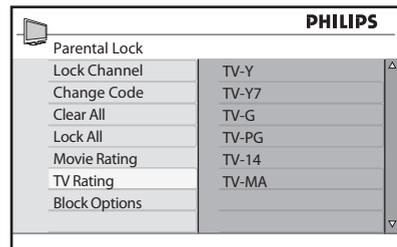
TV-14: Not suitable for children under 14 years of age. Content has violence, strong language, sexual situations or suggestive dialog.

TV-MA: For adult viewing. Not suitable for children under 17 years of age.

1. Access **Parental Lock** menu as described in *Access Parental Lock*.
2. Press ▼ until **TV Rating** is highlighted.
3. Press **OK** to select **TV Rating**.
The list of TV rating labels is displayed on the right panel.
4. Press ▼ or ▲ to highlight your choice of TV rating label.
Some of the age-based ratings have content-based sub ratings.
5. Press **OK** to select the age-based rating.



* Not available on all models



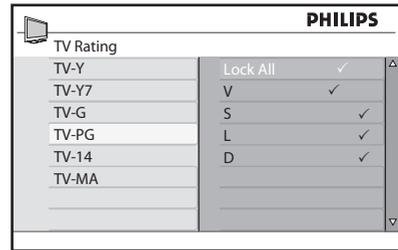
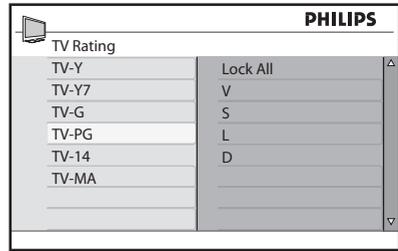
Control access to TV programs

6. Press ▼ or ▲ to highlight **Lock All**.

7. Press **OK** to enable **Lock All**.

A tick (✓) appears beside the rating label to indicate the rating lock is enabled. Where content-based rating labels are present, they are also enabled (with a tick beside them).

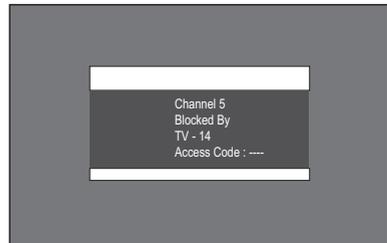
To enable one or more content-based ratings, highlight only those and press **OK**.



NOTE:

The screen displays a message to inform you that the program is blocked when your programs fall under the TV rating category that you enabled.

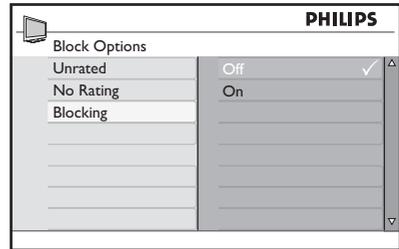
Even if you turn off and turn on the TV again, the programs remain locked. You can choose to enter the your access code to view the program.



Control access to TV programs

Unblock programs

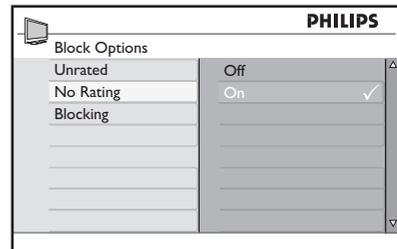
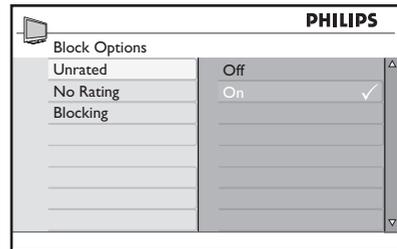
1. Press **OK** to select **Block Options**.
2. Press **▼** or **▲** to highlight **Off**.
3. Press **OK** to enable **Block Options**.



Block other programs

You can also block programs that are unrated, such as documentaries, “director’s cut” edition or programs that have no advisory data (No Rating).

1. Access **Parental Lock** menu as described in *Access Parental Lock*.
2. Press **▼** until **Block Options** is highlighted.
3. Press **OK** to select **Block Options**.
4. Press **▼** or **▲** to highlight **Unrated** or **No Rating**.
5. Press **OK** to select **Unrated** or **No Rating**.
6. Press **OK** to highlight **On**.
7. Press **OK** to enable **Unrated** or **No Rating**.



NOTE:

Programs with no rating or unrated are blocked.



Turn on closed captions

You can enable closed captions for your programs if your broadcasting station provides caption service.

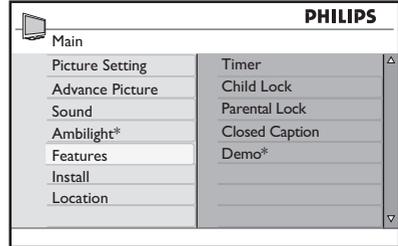
Closed captions (CC) are subtitles hidden in the video signals which you can turn on or off unlike the normal subtitles you see in movies which cannot be turned off.

Closed captions are subtitles for dialog and descriptions (useful for the hearing-impaired).

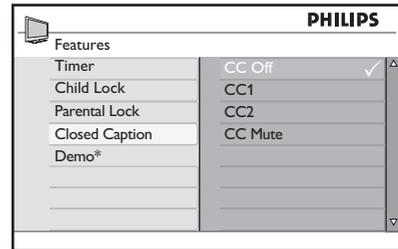
1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓞ** to select **Features**.
4. Press **▼** until **Closed Caption** is highlighted.
5. Press **Ⓞ** to select **Closed Caption**.
6. Press **▼** or **▲** to highlight **CC Off**, **CC1**, **CC2** or **CC Mute**.
7. Press **Ⓞ** to select **Closed Caption** option.
8. Press **Ⓜ** to exit.

Closed Caption choices:

- **CC Off:** Turn off closed captioning.
- **CC1:** Most channels transmit closed captions in **CC1** mode. Closed captions can be in Spanish, Portuguese or English.
- **CC2:** Broadcasters may transmit closed captions in **CC2** mode. **CC2** is rarely used.
- **CC Mute:** Closed captions in **CC1** mode is displayed only when the sound is turned off via **MUTE**.



* Not available on all models



* Not available on all models

Use the Demo modes (available on selected models)

The **Demo** mode lets you see the benefits of the new features of your TV.

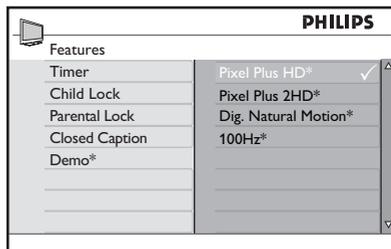
1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **OK** to select **Features**.
4. Press **▼** until **Demo** is highlighted.
5. Press **OK** to select **Demo**.
6. Press **▼** or **▲** to highlight **Pixel Plus HD**, **Pixel Plus 2HD**, **Dig. Natural Motion**, and **100Hz**.
Depending on your TV model, not all the options may be available.
7. Press **OK** to select an option.
8. Press **▼** or **▲** to highlight **On** and press **OK**.

When any of the demo modes are used, the TV displays a vertical split screen with the new features enabled on one half and the other half without the features.

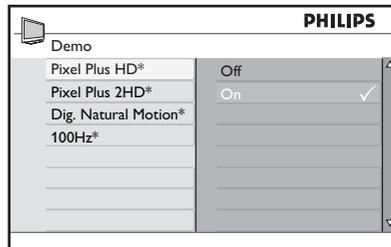
9. Press **MENU** to exit.

Demo modes:

- **Pixel Plus 2HD:** Like Pixel Plus HD, but also able to detect and reduce artifacts and noise in your HD content for cleaner and sharper pictures.
- **Pixel Plus HD:** Every pixel is improved to match surrounding pixels for a more natural picture. Sharpness, depth and vivid colors are achieved from multiple sources like HD and DVD content.
- **Dig. Natural Motion:** Reduces the field and line flicker and reproduces smooth movement especially in movies. Set the level to **Maximum**, **Minimum** or **Off**.
- **100 Hz:** Transmitted information is stored on a memory chip to produce flicker-free images.



* Not available on all models



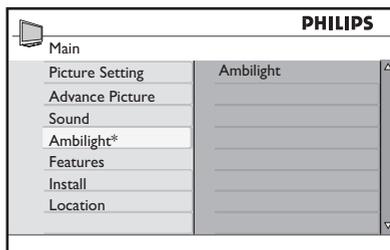
* Not available on all models

Use Ambilight (available on selected models)

The Ambilight feature lets you watch your programs in a unique ambience by producing a soft, light glow from the sides of the TV. Ambient lighting from the TV provides a more relaxed viewing experience. The Ambilight colors changes automatically to match the TV images.

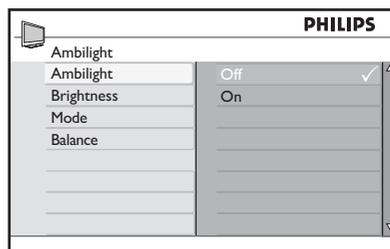
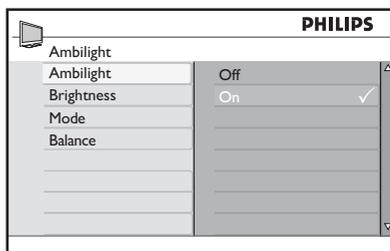
Turn on Ambilight

1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Ambilight** is highlighted.
3. Press **OK** to select **Ambilight**.
4. Press **▼** or **▲** to highlight **On**.
5. Press **OK** to turn on **Ambilight**.
6. Press **MENU** to exit.



Turn off Ambilight

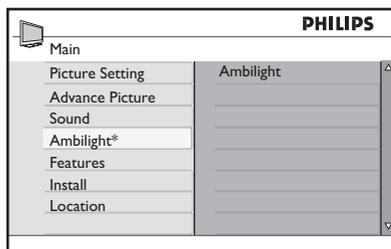
1. Press **MENU** to display the on-screen menus.
2. Press **▼** until **Ambilight** is highlighted.
3. Press **OK** to select **Ambilight**.
4. Press **▼** or **▲** to highlight **Off**.
5. Press **OK** to turn off **Ambilight**.
6. Press **MENU** to exit.



Use Ambilight (available on selected models)

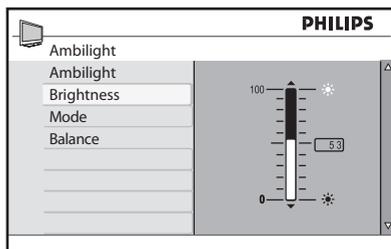
Adjust brightness

1. Turn on Ambilight as described in *Turn on Ambilight*.
2. Press ▼ until **Brightness** is highlighted.
3. Press **OK** to select the **Brightness**.
4. Press ▼ or ▲ to adjust the ambient brightness level.
5. Press **MENU** to exit.



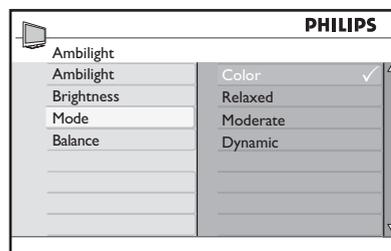
Select Ambilight modes

1. Turn on Ambilight as described in *Turn on Ambilight*.
2. Press ▼ until **Mode** is highlighted.
3. Press **OK** to select the **Mode**.
4. Press ▼ or ▲ to highlight the different modes available.
5. Press **OK** to select the mode.
6. Press **MENU** to exit.



Ambilight modes:

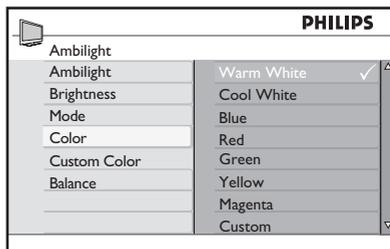
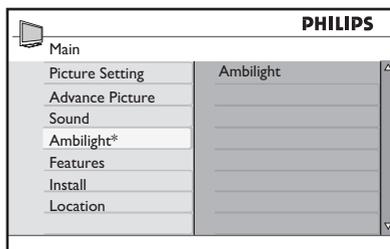
- **Color:** Produces constant lighting according to the settings in the Color menu.
- **Relaxed:** Reduces brightness and color to give a more relaxed viewing experience.
- **Moderate:** Uses the factory-defined brightness and color settings.
- **Dynamic:** The brightness and color changes according to the picture state.



Use Ambilight (available on selected models)

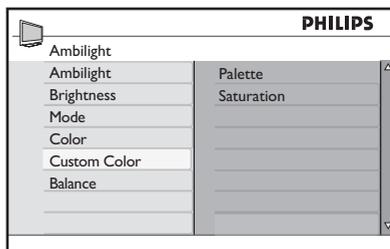
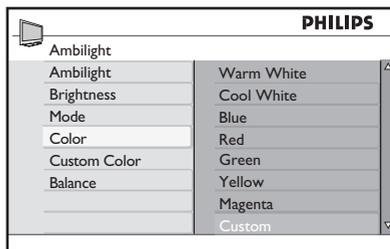
Select Ambilight color

1. Turn on Ambilight as described in *Turn on Ambilight*.
2. Press ▼ until **Mode** is highlighted.
3. Press **OK** to select the **Mode**.
4. Press ▼ or ▲ to highlight the different modes available.
5. Press **OK** to select the mode.
6. Press ▼ until **Color** is highlighted.
7. Press **OK** to select the **Color**.
8. Press ▼ or ▲ to highlight the color choices available.
9. Press **OK** to select your color choice.



Using Custom color

10. Press ▼ until **Custom** is highlighted.
11. Press **OK** to select **Custom**.
This enables the **Custom Color** menu.
12. Press ◀ to highlight **Color**.
13. Press ▼ to highlight **Custom Color**.
14. Press ▼ or ▲ to highlight **Palette** or **Saturation**.



Use Ambilight (available on selected models)

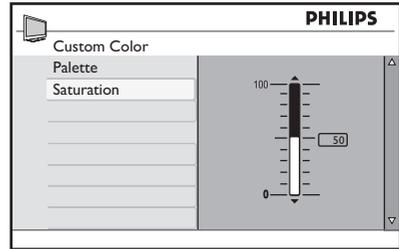
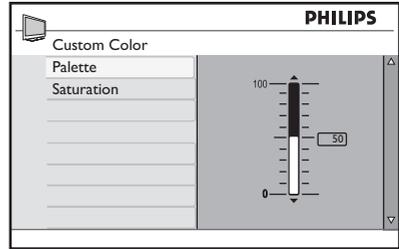
15. Press **OK** to select **Palette** or **Saturation**.

16. Press **▼** or **▲** to adjust the settings.

17. Press **MENU** to exit.

Ambilight Custom colors:

- **Palette:** Adjusts the color mix.
- **Saturation:** Adjusts the color intensity of light output.



Set Ambilight balance

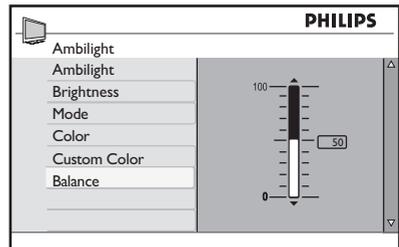
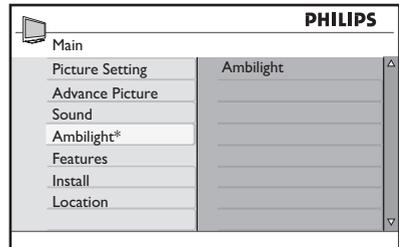
The **Balance** menu lets you adjust the **Ambilight** intensity on both sides of the TV.

1. Press **▼** until **Balance** is highlighted.

2. Press **OK** to select **Balance**.

3. Press **▼** or **▲** to adjust the **Balance**.

4. Press **MENU** to exit.



Change your picture format

You can select various screen formats to suit the type of programs you watch.

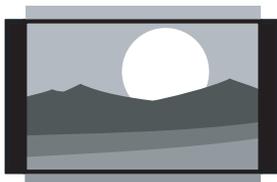
1. Press **Ⓜ** repeatedly to cycle through the available picture formats.

Picture Formats:

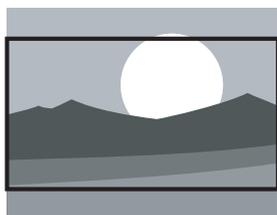
- **4:3:** The entire picture is reproduced on the screen with black bands on the left and right of the screen.
- **Movie Expand 14:9:** The picture is enlarged to fit horizontally, with black bands visible at the sides of the screen.
- **Movie Expand 16:9:** The picture is enlarged to fill up the screen. The top and bottom of the picture is cropped.
- **Subtitle Zoom:** The 4:3 format program is displayed on the entire screen leaving the subtitles area visible. The top of the picture is cropped.
- **Superzoom:** Removes black bands on the sides of the screen of 4:3 format programs.
- **Widescreen:** The picture is displayed in its original proportions.



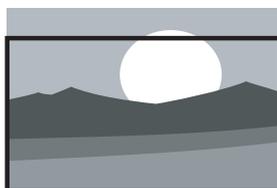
4 : 3
(Standard)



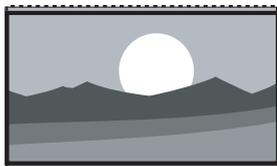
Movie Expand
14 : 9



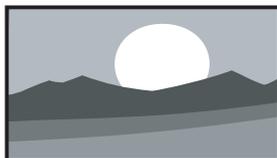
Movie Expand
16 : 9



Subtitle
Zoom



Superzoom



Widescreen
(16 : 9)

Use Smart Mode settings

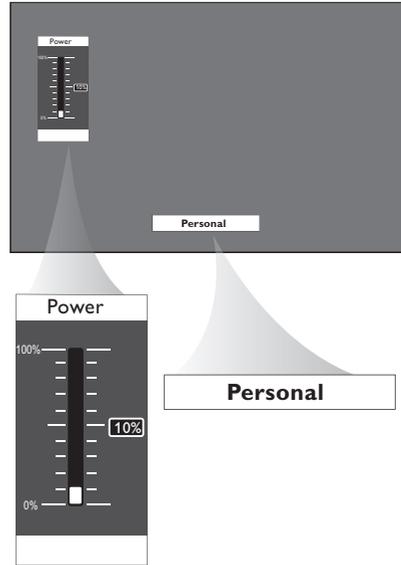
Smart modes are preset settings to match the different viewing and listening environment.

1. Press **SMART MODE** repeatedly to cycle through the available settings.

The settings are displayed at the bottom of the screen.

Smart Mode settings:

- **Personal:** Based on the settings you customized in the **Picture Setting** menu.
- **Sports:** Vivid picture settings and clear sound for high action.
- **Standard:** For normal TV viewing.
- **Movie:** Brilliant picture settings for a cinematic experience.
- **Game:** Optimized for PCs and game consoles.
- **Power Saver:** Eco-friendly settings to reduce power consumption.



NOTE:

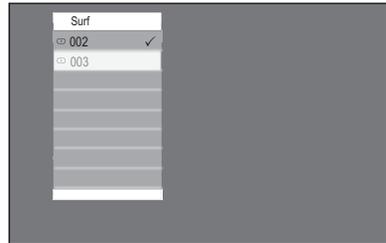
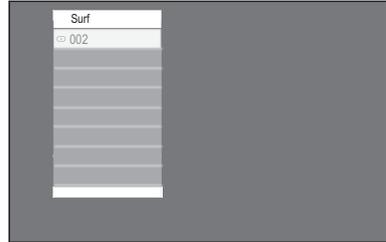
The Power meter displayed on the screen indicates the power consumption for each mode. For example, 10% means this mode uses 10% of the TV's total power consumption.

Use the Surf feature

Store up to 8 of your favorite channels in the Surf list.

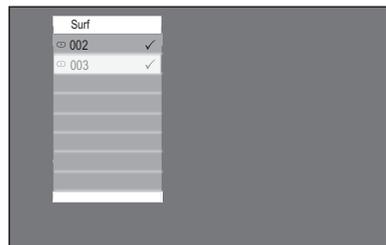
Add channels to your Surf list

1. Press the numeric **(0-9)** buttons or **CH + / -** to switch to your favorite channel.
2. Press **SURF** to display the **Surf** list. You should only see one channel number on the list. This is the same channel number you are on.
3. Press **OK** to add the channel to the **Surf** list. A tick (✓) is displayed beside the channel number to indicate that it has been stored in the **Surf** list.
4. Repeat Steps 1 to 3 to add more channels to the **Surf** list.



Remove channels from Surf list

1. Press **SURF** to display the **Surf** list.
2. Press **▼** or **▲** to highlight the channel number you want to remove.
3. Press **OK** to remove the channel from the Surf list. The channel number is deleted from the list.
4. Repeat Steps 2 and 3 to remove more channels while the **Surf** list is still displayed.



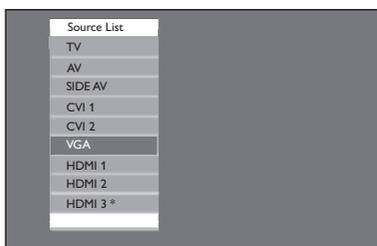
Use your TV as a computer monitor

Connect the TV to a computer via the VGA port to use your TV as a computer monitor.

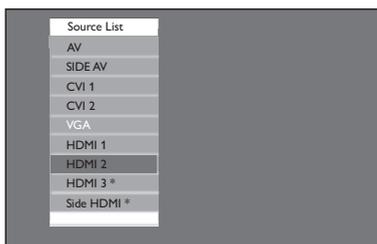
NOTE:

Refer to the *Quick Start Guide* for connecting the computer to your TV.

1. Connect your computer to the TV via the VGA cable (not supplied).
2. Press **SOURCE** to display the audio and video source list.
3. Press ▼ or ▲ until **VGA** is highlighted.
4. Press **OK** to select **VGA**.
You should see your computer display on the TV screen.



* Not available on all models



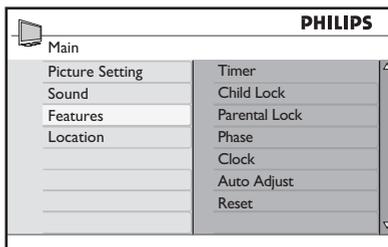
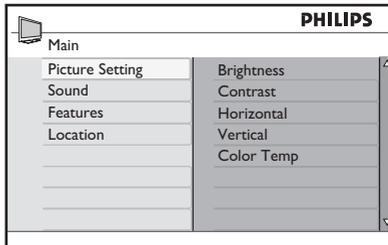
* Not available on all models

Picture settings (VGA mode)

- **Horizontal:** Adjusts the picture to the left or right.
- **Vertical:** Adjusts the picture upwards or downwards.

Feature settings (VGA mode)

- **Phase / Clock:** Fine tunes your TV to match the computer's display settings.
- **Auto Adjust:** Synchronizes the TV and computer's Phase/Clock rate automatically.
- **Reset:** Overrides with the factory default settings.



1. **NOTE:**
For supported resolutions, refer to *Specifications*.

Use your TV in High Definition mode

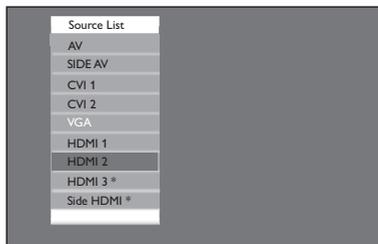
The High Definition (HD) mode lets you enjoy clearer and sharper pictures using HD equipment.

Connect the HD equipment

1. Connect the HDMI or DVI output from your HD equipment to the **HDMI 1**, **HDMI 2**, **HDMI 3** or **Side HDMI** socket of the TV.
Use a DVI-to-HDMI cable if DVI output is connected.
2. Connect the audio cable to the **L / R** audio jacks (AV) of the TV if you are using DVI output from your HD equipment to connect to the TV.
3. Press **AV** to display the Source List and the **▲** or **▼** to select **HDMI 1**, **HDMI 2**, **HDMI 3** or **Side HDMI**.
4. Press **OK** to switch to the selected source.

Control the TV settings in HD mode

1. Press **MENU** to display the on-screen menus.
2. Press **▲** or **▼** to select **Picture**, **Sound** or **Features** and press **OK** to select the items in the menu.
3. Press **▲** or **▼** to highlight the settings and **◀** or **▶** to adjust the settings.
4. Press **◀** to return to the previous menu.
5. Press **MENU** to exit.



* Not available on all models

Picture menu

- The **Picture** menu options are: **Brightness**, **Color**, **Contrast**, **Sharpness**, **Horizontal**, **Vertical** and **Color Temp**.
- All the options work the same way as the ones in **Picture** menu except for **Horizontal** and **Vertical**.
 - **Horizontal** lets you adjust the horizontal position of the image.
 - **Vertical** lets you adjust the vertical position of the image.

Sound menu

- The **Sound** menu options are **Equalizer**, **Balance**, **AVL** and **Incr. Surround**. All the options work the same way as the ones in the TV **Sound** menu.

Features menu

- The **Features** menu options are **Timer**, **Child Lock**, **Parental Lock** and **Active Control**. All the options work the same way as the ones in the TV **Features** menu except for **Mode Selection**.

Use your TV in High Definition mode

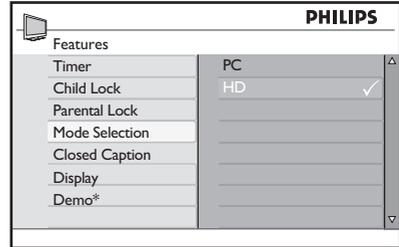
Use Mode Selection

(For 480p, 720p and 1080p formats only)

The **Mode Selection** options are available in the **Features** menu when you connect HD equipment via HDMI supporting resolutions of 480p, 720p or 1080p.

You can select **PC** or **HD** mode.

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓚ** to select **Features**.
4. Press **▼** until **Mode Selection** is highlighted.
5. Press **Ⓚ** to select **Mode Selection**.
6. Press **▼** or **▲** to select **PC** or **HD** modes.
7. Press **Ⓜ** to exit.



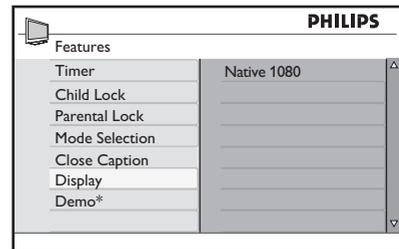
Use Native 1080 mode

(For 1080p TV models only)

The Native 1080 option in the **Display** menu is available when you connect HD equipment via HDMI or Y Pb Pr supporting resolution of 1080i.

Watch the original HD format in true resolution from the input signals.

1. Press **Ⓜ** to display the on-screen menus.
2. Press **▼** until **Features** is highlighted.
3. Press **Ⓚ** to select **Features**.
4. Press **▼** until **Display** is highlighted.
5. Press **Ⓚ** to select **Display**.



Use your TV in High Definition (HD) mode

6. Press ▼ or ▲ to select **Off** or **On**.

Select **On** to watch your programs in the original HD format (1080p).

7. Press  to exit.

NOTE:

Your Philips TV is HDMI compliant. If you do not get a good picture, it is not a defect of your TV set.

Please change the video format on your device (DVD player, cable set top box, etc) to a standard format.

For example, you should select 480p, 576p, 720p, 1080i or 1080p for DVD players.

Use Philips EasyLink

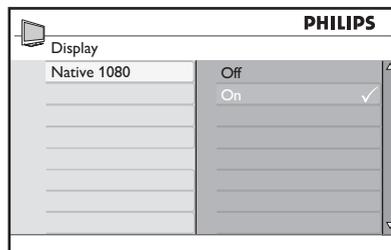
Your TV is enabled for HDMI-CEC connections with other devices. The following features apply to devices that are CEC-compliant and connected to your TV through an HDMI cable.

One-touch play

You can control your TV and the devices with one remote control when you connect your TV to devices that support One-touch play. For example, when you press the play button on your DVD remote control, your Philips TV will automatically switch to the correct channel to display the DVD content.

One-touch Standby

You can use your TV's remote control to put the devices into standby when you connect your TV to devices that support One-touch standby. Press and hold the  on the TV's remote control for 3-4 seconds.



Non-1080p models				
HD format	480p	576p	720p	1080i
SD format	480i		576i	

1080p models					
HD format	480p	576p	720p	1080p	1080i
SD format	480i		576i		

Troubleshoot

NOTE:

Before calling service, refer to the troubleshooting topic for a list of symptoms and solutions which may address your problem.

Symptoms	Possible cause	What should you do
No power or indicator light.	The TV is not connected to the power.	1. Press POWER at the right side of the TV, or press POWER on the remote control.
		2. Ensure the power cord is connected tightly to the TV power connector and to the mains socket outlet.
		3. Connect the TV to a different mains socket outlet.
Error message on the screen with HDMI connection.	HDCP authentication fail.	1. Ensure that your HDMI cable is certified.
		2. Press SOURCE on the remote control to switch to another source and then switch back to the HDMI source.
		3. Reset the accessory device and the TV. <ul style="list-style-type: none"> • Turn on the TV • Select the HDMI channel • Turn on the accessory device
No sound is detected from the PC.	Incorrect HDMI port is connected.	1. Connect a DVI-HDMI cable to the correct HDMI port on the TV.
	Audio cable is not connected.	2. Connect an audio cable to the DVI AUDIO IN port on the TV.
		3. Press SOURCE on the remote control, and select the HDMI 3 source.
TV does not respond to the remote control.	Batteries are installed incorrectly, or low battery power.	1. Ensure the indicator light on the TV blinks when the remote control buttons are pressed.
		2. Ensure that you are using the remote control supplied with the TV.
		3. Ensure that the batteries of the remote control are inserted according to the illustration on the remote control and that the batteries do not need to be replaced.
The picture is distorted. It is stretched out, has short, fat, black bars on the side or top.	Broadcast video format.	1. Press FORMAT on the remote control to select the best picture format.
		2. For some accessory devices, the picture format has to be set in the accessory device.

Troubleshoot

<p>The picture is mostly red and green, or the picture is missing red when the TV is connected to an accessory device via component cables.</p>	<p>Insecure/incorrect connection.</p>	<ol style="list-style-type: none"> 1. Ensure all the connections are made according to the color code. 2. Push the component cables all the way into the YPbPr sockets on the TV.
<p>No sound on the TV loudspeaker.</p>	<p>Volume level is set to zero.</p>	<ol style="list-style-type: none"> 1. Increase the volume.
	<p>Sound is muted.</p>	<ol style="list-style-type: none"> 2. Press MUTE on the remote control.
	<p>Headphones are connected.</p>	<ol style="list-style-type: none"> 3. Ensure the headphones are not plugged into the TV.
	<p>Audio cable is not connected.</p>	<ol style="list-style-type: none"> 4. For AV connection, ensure that the Audio L/R cable is connected.If you are using a component cable, ensure that you have not crossed the red audio cable with the red video cable.
	<p>Accessory device audio output setting is incorrect.</p>	<ol style="list-style-type: none"> 5. For HDMI connections, some accessory devices have an HDMI audio output setting that must be turned on for HDMI to HDMI connections.
<p>Bad picture quality with a coaxial connection.</p>	<p>Standard definition channels are not as clear as high definition channels.</p>	<ol style="list-style-type: none"> 1. Connect the devices via component or HDMI cables.
<p>No picture or sound.</p>	<p>Incorrect channel</p>	<ol style="list-style-type: none"> 1. Ensure you have selected the correct channel.
	<p>Incomplete channel installation.</p>	<ol style="list-style-type: none"> 1. If the TV receives channels via an AV connection, set the TV to the correct source input and perform the auto installation again.
		<ol style="list-style-type: none"> 2. If the TV is connected directly to the wall via a coaxial connection, perform the auto-installation again.
<p>Cannot control your TV and connected devices with one remote control.</p>		<ol style="list-style-type: none"> 1. Confirm that the connected devices are EasyLink compliant and are connected to your TV via an HDMI cable. Not all brands of devices such as DVD players use the same system as Philips EasyLink. Other brands might not work with Philips EasyLink.

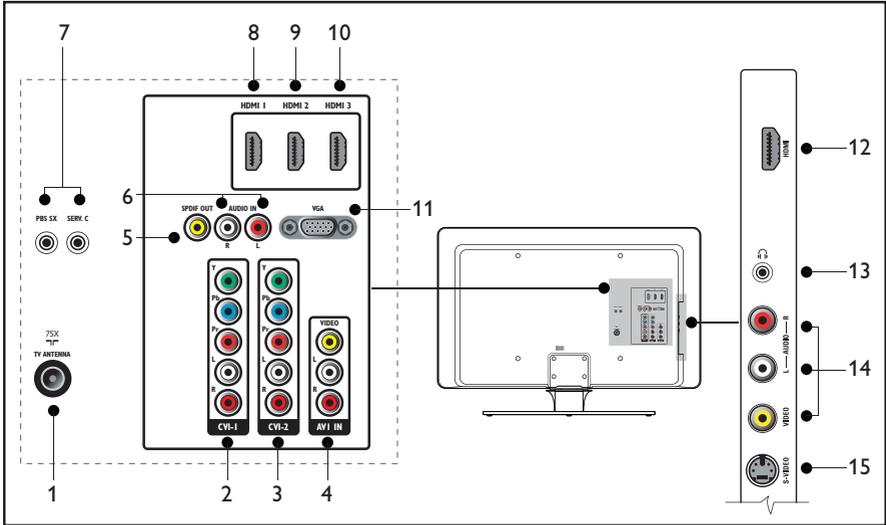
Specifications

Model no.	42PFL7403 47PFL7403	42PFL7603	52PFL7803
PICTURE ENHANCEMENT			
Type	1080p 50 Hz		1080p 100 Hz
Aspect Ratio	16:9		
Advance Picture	Contrast +, Active Control, Dig. Natural Motion, Artifacts Reduction		
Ambilight	No	Yes	
SOUND ENHANCEMENT			
Mono/Stereo/BBE	Mono, Stereo, Incredible Surround, BBE		
Power output (RMS Watts)	2 x 15 W		
EASE OF USE			
Video modes	Automatic, 4:3, Movie Expand 14:9, Movie Expand 16:9, Subtitle Zoom, Super Zoom, Wide Screen		
PC input	via HDMI, VGA		
CONNECTIONS			
CVI In with Audio L/R	2, supporting 480i/p, 576i/p, 720p, 1080i, 1080p @24Hz-60Hz		
CVBS In with audio L/R, S-Video	2 X		
HDMI	4 ver1.3a HDMI supporting video: 480i/p, 576i/p, 720p, 1080i, 1080p @24Hz-60Hz, PC-input: up to WUXGA		
Digital audio out	Yes, supporting AC-3 & PCM		
Headphone	1 X (Side)		
MISCELLANEOUS			
Operating power consumption	100-240 V, 50/60 Hz		
Standby power [Watt]	< 0.15w		
Accessories	Power cord, Quick Start Guide, User Manual, Remote control, AAA batteries x2		
DIMENSIONS			
Set weight (kg)	20 26 kg	20.5	39
Set weight with stand (kg)	25.5 33.5	26	47
Set dimensions (W x H x D) mm	1046 x 645 x 88 1163 x 712 x 104	1046 x 645 x 108	1301 x 798 x 141
Set dimensions with stand (W x H x D) mm	1046 x 716 x 262 1163 x 786 x 325	1046 x 716 x 262	1301 x 875 x 325

Specifications subject to change without notice.

Connect devices

Connection overview



- 1. Antenna input**
- 2. CVI-1**
Component video input. Y Pb Pr and Audio L/R connectors for DVD, digital receiver or game console, etc.
- 3. CVI-2**
Second component video input.
- 4. AVI IN**
Composite video input to be used together with Audio L/R connectors for camcorder, game console, etc.
- 5. SPDIF Out**
Digital audio out.
- 6. Audio IN for VGA.**
- 7. Service ports** (For service personnel)
- 8. HDMI 1 In**
HDMI in connector for Blu-ray Disc player, HD digital receiver or game console, etc.
- 9. HDMI 2 In**
Second HDMI in connector.
- 10. HDMI 3 In**
Third HDMI in connector.
- 11. VGA**
Video Graphics connector for personal computers.
- 12. HDMI In (Side)**
See **HDMI 1 In** description.
- 13. Headphones (Side)**
Stereo Mini Jack.
- 14. Video (Side)**
Video input connector to be used together with Audio L/R connectors for camcorder, game console, etc.
- 15. S-Video (Side)**
S-Video input connector to be used together with Audio L/R connectors for camcorder, game console, etc.



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