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42PFL8803D

52PFL8803D

ZH 用户手册

EN USER MANUAL

PHILIPS

LCD TV

Environmental Information

产品中有毒有害物质或元素的名称及含量
Names and Contents of Toxic or Hazardous Substances or Elements

部件名称 Name of the Parts	有毒有害物质或元素 Hazardous/Toxic Substance					
	铅 (Pb, Lead)	汞 (Hg,Mercury)	镉 (Cd,Cadmium)	六价铬 (Chromium 6+)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Housing 外壳	O	O	O	O	O	O
LCD Panel 液晶面板	X	X	O	O	O	O
PWBs 电路板组件	X	O	O	O	O	O
Accessories (Remote control & cables) 附件（遥控器，电源线，连接线）	X	O	O	O	O	O
Batteries in Remote Control 遥控器电池	X	O	O	O	O	O

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363 - 2006 标准规定的限量要求以下。
O: Indicates that this toxic or hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement in SJ/T11363 – 2006.

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363 – 2006 标准规定的限量要求。
X: Indicates that this toxic or hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement in SJ/T11363 - 2006.

环保使用期限 Environmental Protection Use Period

此标识指期限（十年），电子信息产品中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电子信息产品不会对环境造成严重污染或对其人身、财产造成严重 损害的期限。

This logo refers to the period (10 years) during which the toxic or hazardous substances or elements contained in electronic information products will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

电池标识 Battery labeling logo

环保使用期限 Environmental Protection Use Period

此标识指期限（五年），电池中含有的有毒有害物质或元素在正常使用的条件下不会发生外泄或突变，用户使用该电池产品不会对环境造成严重污染或对其人身、财产造成严重 损害的期限。

This logo refers to the period (5 years) during which the toxic or hazardous substances or elements contained in the **battery** will not leak or mutate so that the use of these [substances or elements] will not result in any severe environmental pollution, any bodily injury or damage to any assets.

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EN

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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 authorised in this manual shall void the warranty.

Pixel characteristics

This LCD product has a high number of colour 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.

Open source software

This television contains open source software. Philips hereby offers to deliver or make available, upon request, for a charge no more than the cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code on a medium customarily used for software interchange.

This offer is valid for a period of 3 years after the date of purchase of this product. To obtain the source code, write to

Development Manager,
Philips Consumer Lifestyle,
Category Mainstream Display,
620A, Lorong 1, TP1, Level 3,
Toa Payoh, Singapore 319762

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.

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1 Important

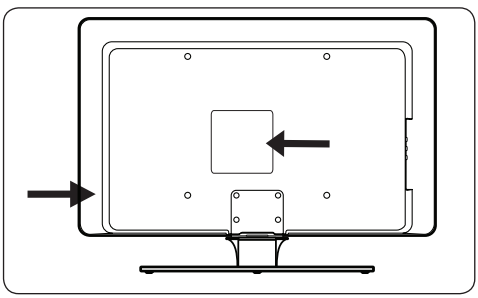
Congratulations on your purchase and welcome to Philips!

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

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.

To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

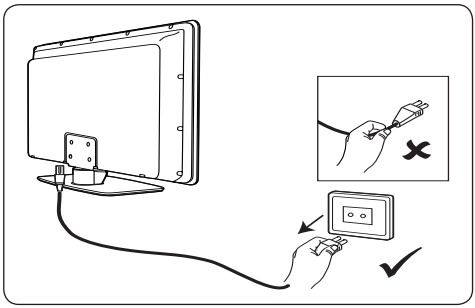
The model and serial number of your TV can be found on the back and side of the TV as well as on the packaging.



1.1 Safety

- Two people are required to lift and carry a TV that weighs more than 25 kg (55lb). Improper handling of the TV can result in serious injury.
- If transporting the TV in low temperatures (less than 5°C), open the box and wait until the TV matches the ambient temperature of the room before unpacking.
- To avoid short circuit, do not expose the TV, remote control or remote control batteries to rain or water.
- Do not place vessels of water or other liquids on top of or near the TV. Spilling liquids on the TV can cause electric shock. If liquids are spilt on the TV, do not operate the TV. Immediately disconnect the TV from the mains and have the TV checked by a qualified technician.
- To avoid risk of fire or electric shock, do not place the TV, remote control or remote control batteries near naked flame sources (e.g. lighted candles) and other heat sources including direct sunlight.
- 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 placing the TV on a flat, solid surface be sure to use only the supplied stand. 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.
- Disconnect the TV from the mains and antenna before lightning storms. During lightning storms do not touch any part of the TV, mains cord or antenna cable.
- 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).

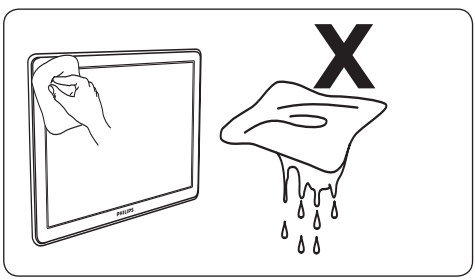
- Unplug the mains cord from the mains socket outlet.
- Unplug the mains cord from the power connector at the back of the TV. Always pull the mains cord by the plug. Do not pull the mains cord.



- 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.

1.2 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 colour 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.

1.3 Environmental care

Recycling your packaging

The packaging of this product is intended to be recycled. Contact your local authorities for information on how to recycle the packaging.

Disposing your used product

Your product is manufactured with high-quality materials and components that can be recycled and reused. When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Do not dispose your used 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.

Disposing used batteries

The supplied batteries do not contain mercury or cadmium. Dispose supplied and all other used batteries according to your local regulations.

Power consumption

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

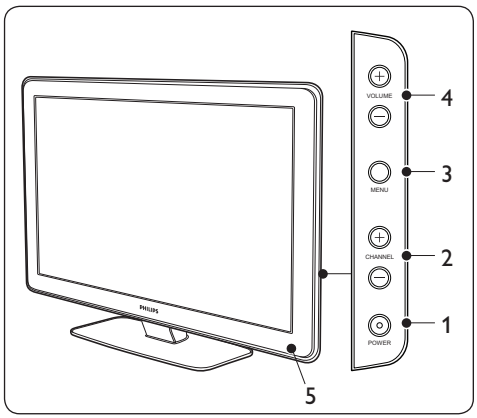
For more product specifications, see the product leaflet at www.philips.com/support.

2 Your TV

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

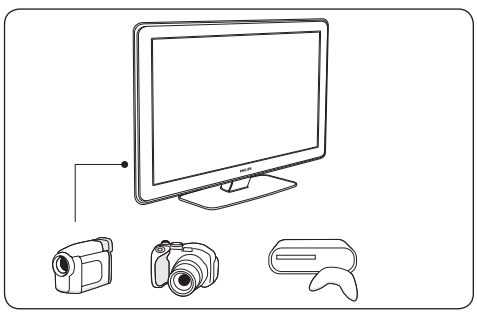
2.1 TV overview

Side controls and indicators



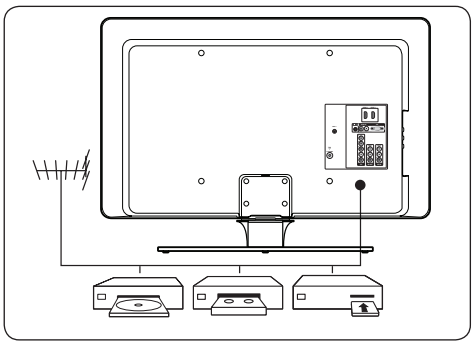
1. **POWER**
2. **CHANNEL +/-**
3. **MENU**
4. **VOLUME +/-**
5. Standby indicator / Remote control sensor

Side connectors



Use the TV side connectors to connect to mobile devices such as a camera or high-definition game console. You can also connect a pair of headphones.

Back connectors



Use the TV back connectors to connect to the antenna and permanent devices such as a high-definition disc player, DVD player or VCR.

Note

For more information about TV connections, see *Section 7.3 Connect devices*.

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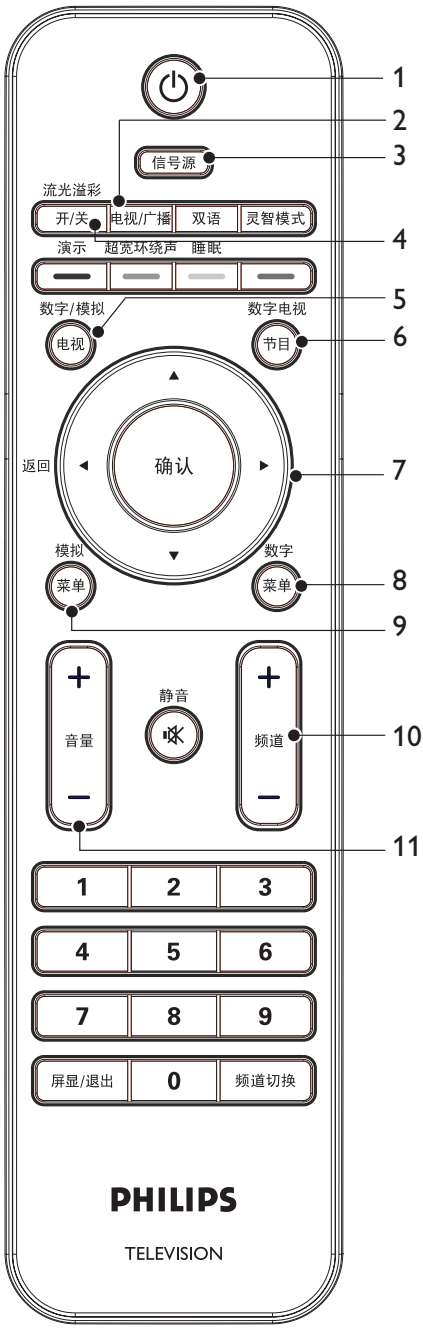
Remote control



1. Power
2. TV or Radio
3. Source
4. Ambilight on/off
5. Digital/Analogue mode
6. Electronic programme guide
7. Navigation buttons
   Up ▲, Down ▼, Left ◄, Right ►, OK.
8. Digital menu
9. Analogue menu
10. Channel **+/-**
11. Volume **+/-**

For more information about the remote control, see *Section 4.5 Remote control overview*.

3 Get started

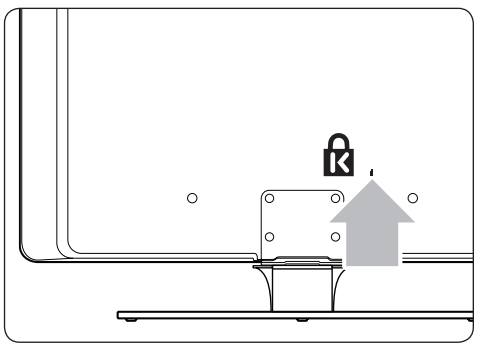
This section helps you position and install the TV and supplements the information provided in the **Quick Start**.

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

3.1 Position the TV

In addition to reading and understanding the safety instructions in *Section 1.1*, 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.

3.2 Wall mount the TV

⚠ WARNING

Wall mounting of 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.

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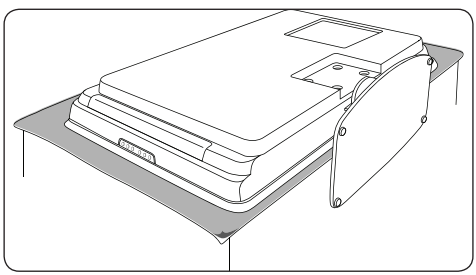
Step 1 Purchase a VESA-compatible wall bracket

Depending on the size of your TV screen, purchase one of the following wall brackets:

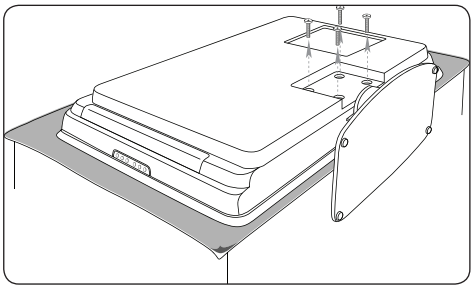
TV screen size (inches/ cm)	VESA-compatible wall bracket type (millimetres)	Special instructions
42”/107 cm or larger	Fixed 400 x 400	None

Step 2 Remove the TV stand

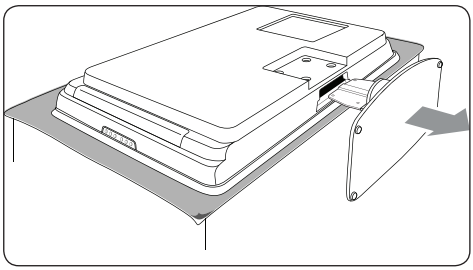
1. Carefully place the TV face down on a flat, stable surface that is covered by soft cloth. The cloth should be thick enough to protect your screen.



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



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



Step 3 Connect cables

Connect the antenna cable, mains cord and all other devices to the back of the TV as described in the following sections and in *Section 7.3 Connect devices*.

Step 4 Secure the VESA-compatible wall bracket to the TV

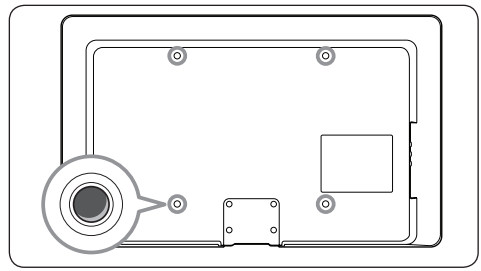
⚠ WARNING

Use bolts M8 and spacers to secure the VESA-compatible wall bracket to your TV.

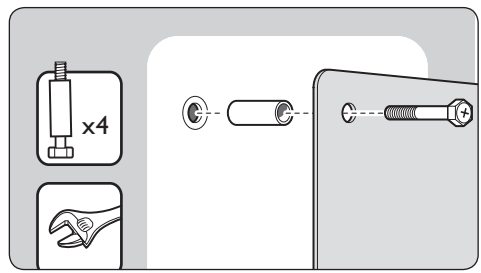
⚠ Note

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.

1. Locate the four mounting nuts at the back of the TV.

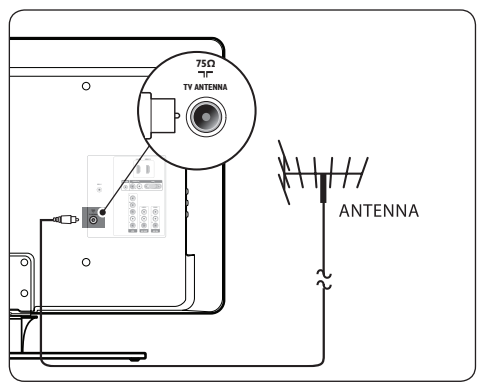


2. Align the plate/bracket to the four mounting nuts, placing the supplied spacers between the plate/bracket and the mounting nuts.
   Using a spanner or cross-head screwdriver, insert the supplied bolts through the plate/bracket and spacers, tightly securing the bolts to the mounting nuts.



3. Continue with the instructions provided with your VESA-compatible wall bracket.

3.3 Connect the antenna cable



1. Locate the **TV ANTENNA** connector at the back of the TV.
2. Connect one end of the antenna cable (not supplied) to the **TV ANTENNA** connector. Use an adaptor if the antenna cable does not fit.
3. Connect the other end of the antenna cable to your antenna outlet, ensuring that the cable is tightly secured at both ends.

3.4 Connect the mains cord

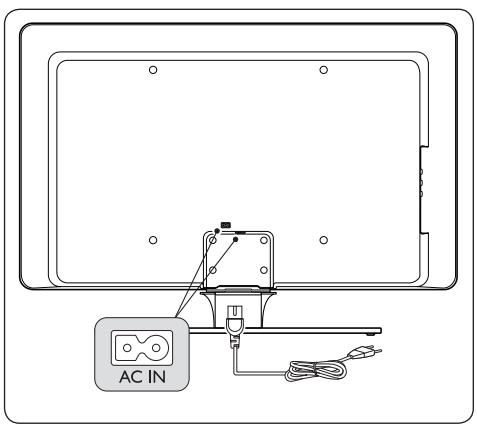
WARNING

Verify that your mains voltage corresponds with the voltage printed at the back of the TV. Do not insert the mains cord if the voltage is different.

3.4.1 To connect the mains cord

Note

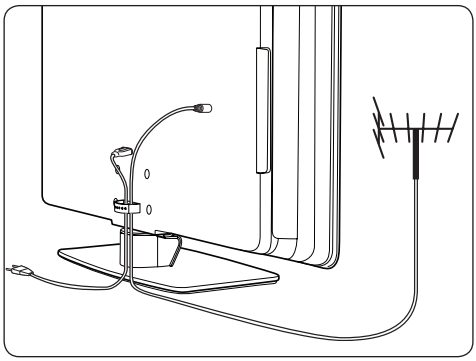
The location of the mains connector varies according to TV model.



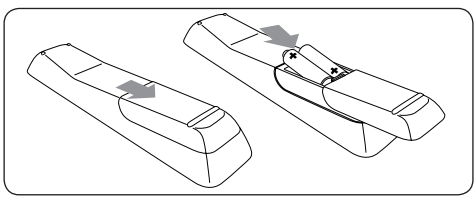
1. Locate the **AC IN** mains connector at the back or on the bottom of the TV.
2. Connect the mains cord to the **AC IN** mains connector.
3. Connect the mains cord to the mains, ensuring that the cord is tightly secured at both ends.

3.5 Manage cables

Route your mains cord, antenna cable and all other device cables through the cable holder at the back of the TV. This holder helps keep your cables tidy and easily manageable.



3.6 Insert 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.

3.7 Switch on the TV

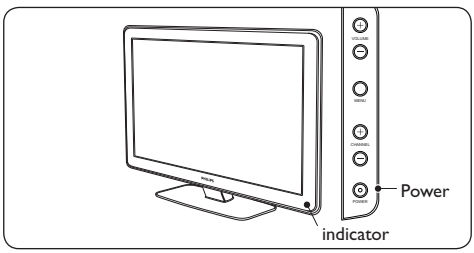
The first time you switch on the TV, check that the mains cord is properly connected. When ready, turn on the mains.

4 Use your TV

This section helps you perform basic TV operations.

4.1 Switch your TV on/off or to standby

4.1.1 Switch on your TV

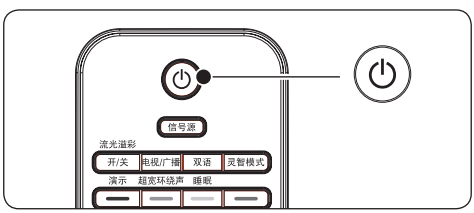


- If the indicator light is off, press **POWER** on the side of the TV.

4.1.2 Switch off your TV

- Press **POWER** on the side of the TV. The indicator light switch off.

4.1.3 Switch your TV to standby

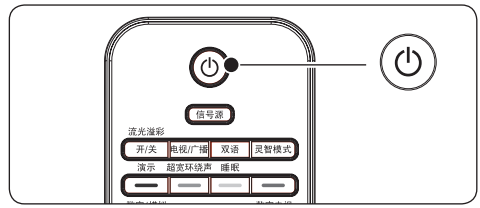


- Press ⏻ **POWER** on the remote control.

Tip

Though 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.

4.1.4 Switch on the TV from standby



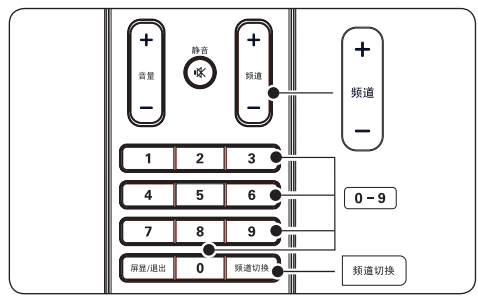
- If the standby indicator is on (red), press ⏻ on the remote control.

Note

If you cannot locate your remote control and you want to switch on the TV from standby, press **CHANNEL +** or **-** on the side of the TV.

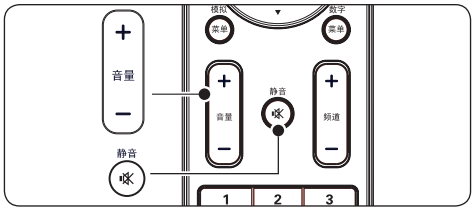
4.2 Watch TV

4.2.1 Switch channels



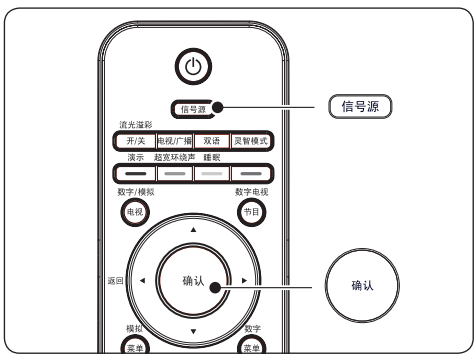
- Press a number (0 to 9) or press 频道 (**CHANNEL**) **+/-** on your remote control.
- Press **CHANNEL +/-** on the side controls of the TV.
- Press 频道切换 (**A/CH**) on the remote control to return to the previously viewed TV channel.

4.2.2 Adjust volume



- Press 音量 (**VOLUME**) **+** or **-** on the remote control.
- Press 音量 (**VOLUME**) **+** or **-** on the side controls of your TV.
- Press 🔇 on the remote control to mute the sound. Press 🔇 again to switch on the sound.

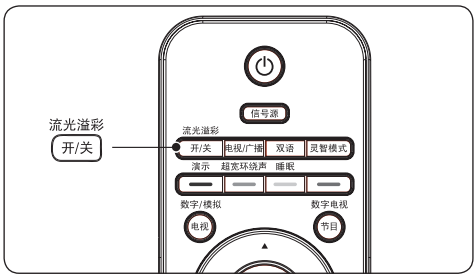
4.3 Watch connected devices



1. Switch on the device.
2. Press 信号源 (**SOURCE**) on the remote control then select the input your device is connected to.
3. Press 确认 (**OK**) to select the device.

4.4 Use Ambilight

Ambilight is an innovative Philips feature that adds reactive ambient lighting to your viewing experience.



1. Press 流光溢彩开/关 (**AMBILIGHT ON/OFF**) on the remote control. Ambilight turns on.
2. Press 流光溢彩开/关 (**AMBILIGHT ON/OFF**) again to turn off Ambilight.

For more information on Ambilight, see *Section 6.4 Adjust Ambilight settings*.

Tip

A dimly lit room is ideal for a complete Ambilight experience.

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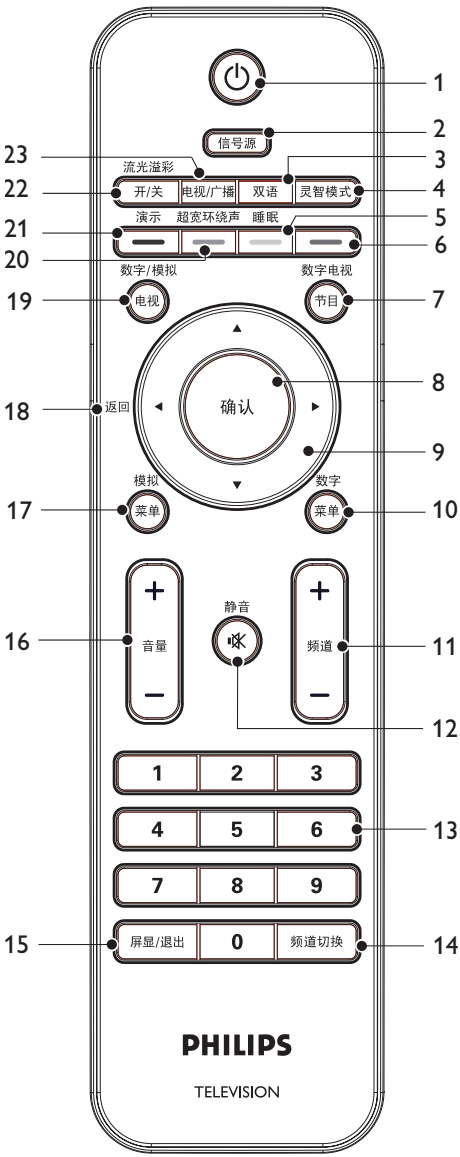
4.5 Remote control overview

This section provides a detailed overview of remote control features.



1. **POWER**
   Switches the TV on from standby or back to standby.
2. 信号源 (**SOURCE**)
   Selects connected devices.
3. 双语 (**DUAL LANGUAGE**)
   Selects language in dual language programmes (in analogue mode only) or displays the list of audio languages (in digital mode).
4. 灵智模式 (**SMART MODE**)
   Toggles through predefined picture and sound settings.
5. 睡眠 (**SLEEP**)
   Activates Timer menu.
6. **Colour** buttons
   Selects tasks on digital menus.
7. 数字电视节目 (**EPG**) – digital mode only
   Electronic Programme Guide.
8. 确认 (**OK**)
   Accesses the menus and activates settings.
9. **NAVIGATION** buttons
   Navigates the menu.
10. 数字菜单 (**DIGITAL MENU**) – digital mode only
    Switches the digital menu on or off.
11. 频道 **+/-** (**CHANNEL +/-**)
    Switches to the next or previous channel.
12. 静音 (**MUTE**)
    Turns the sound on or off.
13. **NUMBER** buttons
    Selects a channel, page or setting.
14. 频道切换 (**ALTERNATE CHANNEL**)
    Returns to the previously-viewed channel.
15. 屏显/退出 (**STATUS/EXIT**)
    Switches the menu on or off.
16. 音量 **+/-** (**VOLUME +/-**)
    Increases or decreases volume.
17. 模拟菜单 (**ANALOGUE MENU**) – analogue mode only
    Switches the analogue menu on or off.

18. 返回 (**BACK**)
    Returns to the previous menu.
19. 数字/模拟电视 (**DIGITAL/ANALOGUE**)
    Selects between analogue or digital mode.
20. 环绕立体声 (**INCREDIBLE SURROUND**)
    Enables Incredible Surround with stereo sources. Spatial mode is enabled with mono sources.
21. 演示 (**DEMO**) – analogue mode only
    Toggles the **Demo** menu on or off.
22. 流光溢彩开/关 (**AMBILIGHT ON/OFF**)
    Switches Ambilight on or off.
23. 电视/广播 (**TV/RADIO**)
    Selects between TV or radio transmission.

5 Use your TV in digital mode

5.1 Get Started

- When the TV is powered-on for the first time you will be prompted to run auto installation to receive the channels that are broadcasted locally.
- This process may take 10 to 20 minutes depending on the number of channels that are transmitted by the cable provider or broadcaster.
- When the TV is not receiving any signal from the antenna or cable, "**No signal**" will appear on the TV screen. This can be caused by the antenna or cable not being plugged in correctly.
- When no transmission is received from the broadcaster, "**No channel available (TV)**" or "**No channel available (Radio)**" will appear on the TV screen.
- You will not be able to watch pay channels when using direct antenna/cable connection to the television. "**Signal is currently scrambled**" will appear on the TV screen.
- When the set-top box is connected to the television using coaxial cable, it is necessary to auto-program the television for the set-top box source channel and change the channels at the set-top box to view the program.
- When the set-top box is connected to the television using AV connection, select the television input source for the set-top box to view the program and change the channels at the set-top box to view the program.

5.2 Prepare TV for digital services

Scrambled digital TV channels can be decoded with a Conditional Access Module inserted with a Smart card (CAM) provided by a digital TV service operator.

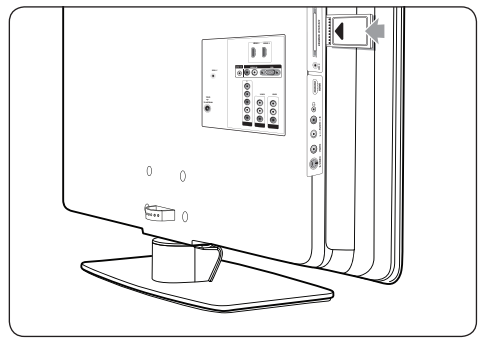
The CAM may enable several digital services, depending on the operator and services you choose (for example, pay TV). Contact your digital TV service operator for more information about services and terms.

5.2.1 Using the Conditional Access Module

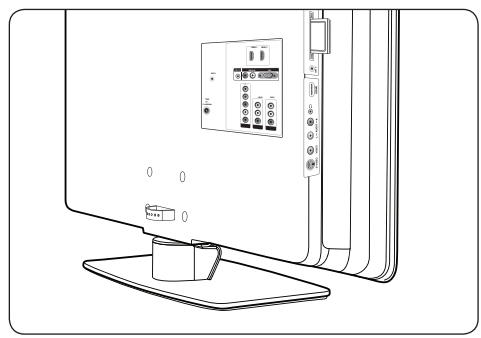
WARNING

Switch off your TV before inserting a CAM. Be sure to follow the instructions described below. Wrong insertion of a CAM may damage both the CAM and your TV.

1. Following the directions printed on the CAM, gently insert the CAM into the **COMMON INTERFACE** slot on the side of the TV.



2. Push the CAM in as far as it will go.



3. Turn on the TV and wait for the CAM to be activated. This may take several minutes.

Note

Do not remove the CAM from the slot. Removing the CAM will deactivate the digital services.

4. Exit any message provided by your digital TV service operator.
5. Press 数字菜单 (**DIGITAL MENU**) on the remote control and select **Setup** > **Information** > **CI Info**.
6. Exit any message provided by your digital TV service operator.

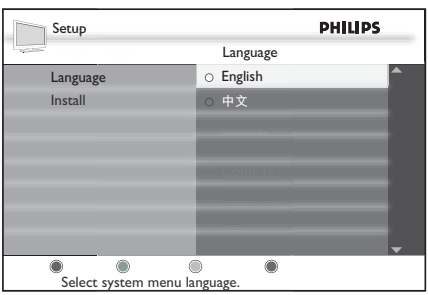
   On-screen applications and content are provided by your digital TV service operator.

5.3 Switch on the TV for the first time

When you turn on TV for the first time, the TV is in digital mode. You will need to set the language and add new services.

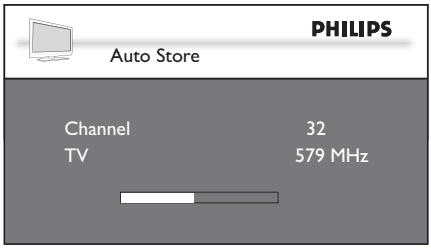
5.3.1 Setup your language and services

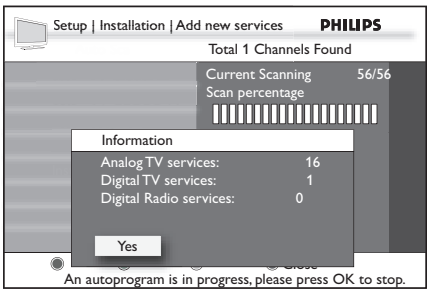
1. Press ▶ to enter 语言 (**Language**) and ▲ or ▼ to select your preferred language and press 确认 (**OK**) to confirm.



2. Press ▼ to select **Install** and press 确认 (**OK**) to start the installation.
   The TV searches for all available analogue and digital channels.

   When scanning has completed, a pop-up window will display information on the number of analogue and digital services found.





3. If no digital channels are detected, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**) to switch to analogue mode.

5.4 Understand the information banner

When you select a digital channel, an information banner is displayed at the top of the screen. The banner disappears after a few seconds.

You can also press 屏显/退出 (**STATUS/EXIT**) to display the information banner. When you press 屏显/退出 (**STATUS/EXIT**) twice in succession, the TV will display the description of the program. For example, synopsis, cast, duration and genre.

The information banner provides useful information of the current program on the screen such as channel name, program title, start time of program, and so on.

1. **Resolution**: Indicates resolution type, for example: 1080p.

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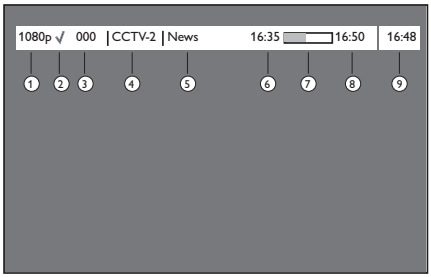


2. **Favourite list indication**: Indicated by a tick if you have added this program to your favourite list setting.
3. **Channel number** :In the format: 000
4. **Channel name**
5. **Program name**
6. **Program start time**
7. **Program time progress bar** :Displays time left indicator bar.
8. **Program end time**
9. **Clock** :Current time.

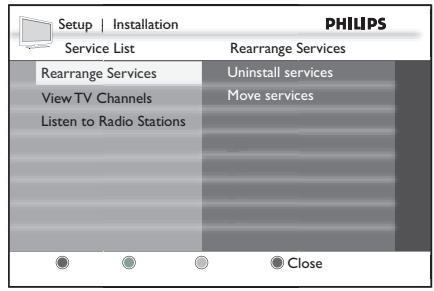
5.5 Install channels

5.5.1 Check for TV channels or radio stations

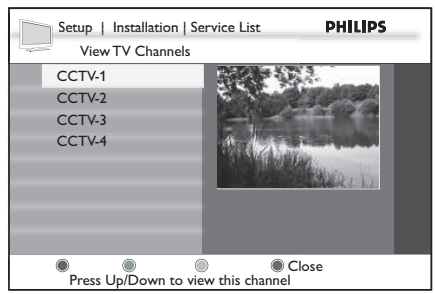
You can check for the availability of TV channels or radio stations that have been launched by the broadcaster after you have installed the TV.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Service List** and press ►.



2. Press ▲ or ▼ to select **View TV Channels** or **Listen to Radio Stations**.
3. If new services are available, press ► to enter into the list of services and press ▲ or ▼ to move through the list.



For information on how to add new services to your list of favourite channels, see *Section 5.5.2 Add new channels or stations to your list*.

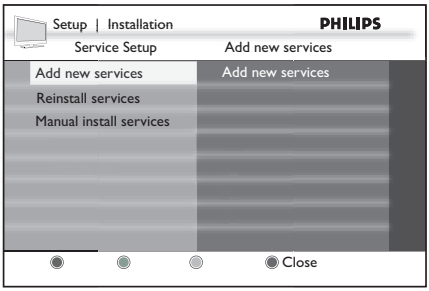
4. Press the ◄ to return to the previous menu press 数字菜单 (**DIGITAL MENU**) to exit.

5.5.2 Add new channels or stations to your list

You can search for new TV channels or radio stations that have been launched by the broadcaster after the initial installation.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Service Setup** and press ►.



2. Press ▶ to **Add new services** and press 确认 (**OK**) to activate the installation. A search begins. Any new channels are added to the channel list menu. The percentage of the installation that has been completed and the number of channels found is displayed.

To cancel installation, press 确认 (**OK**).

3. When the search is complete, press 确认 (**OK**) to accept the new services.

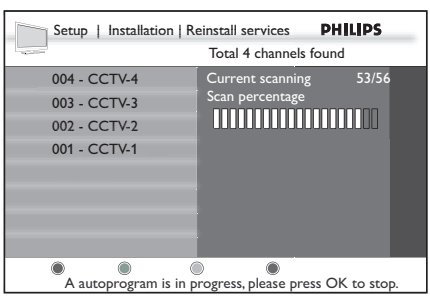
4. Press ◀ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

5.5.3 Reinstall all channels

This option lets you reinstall all the digital TV channels and radio stations.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Service Setup** > **Reinstall services** and press ▶.



Caution: Reinstalling services will overwrite all your previously stored channels.

2. Press 确认 (**OK**) to start the installation. A search is for digital services is started. The services are stored automatically.

To cancel installation, press 确认 (OK).

When the search is complete, the menu indicates the number of digital services found. You should see a list of stored channels on the left panel.

3. Press 确认 (**OK**) to store the services.

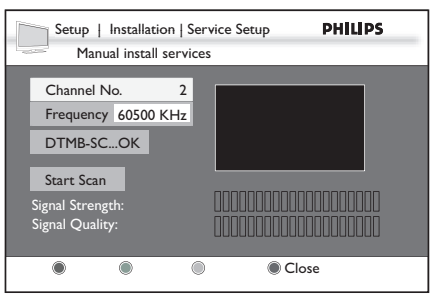
4. Press ◀ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

5.5.4 Install digital channels manually

You can manually install digital services by keying the channel number.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Service Setup** > **Manual install services** and press ▶.



2. Press ◀ and ▶ to select the channel number and ▼ to select **Start Scan**.

3. Press 确认 (**OK**) to start the search.

4. Press ◀ to return to the previous menu or press the **blue** button to exit.

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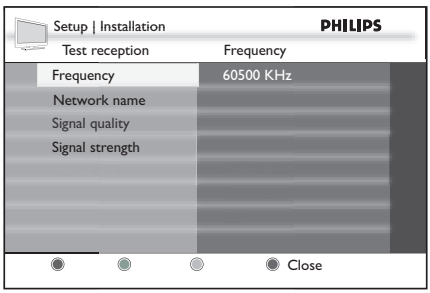
5.6 Test your TV reception

This option lets you check the strength of the signal that is being transmitted via your antenna connection.

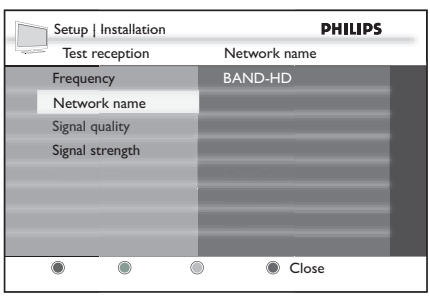
If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press the numeric buttons **(0-9)** or the 频道 (**CHANNEL**) **+/-** buttons to switch to the digital channel you wish to test the signal.
2. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Test Reception** > **Frequency**.

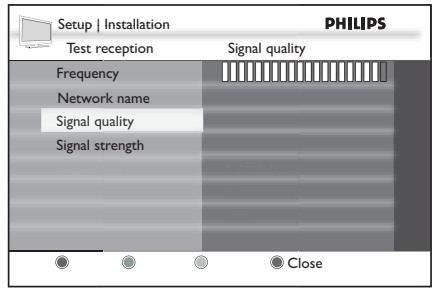
   The frequency of the current channel is displayed.



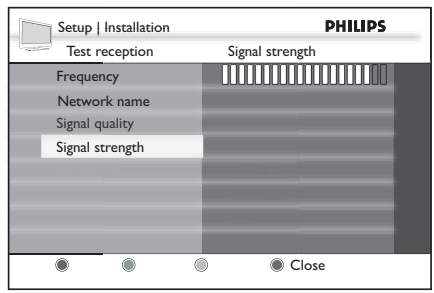
3. Press ▼ to select **Network name**. The name of the broadcast network is displayed.



4. Press ▼ to select **Signal quality.**
   An indicator bar displays the quality level of the TV signal.



5. Press ▼ to select **Signal strength**.
   An indicator bar displays the strength level of the TV signal.



6. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

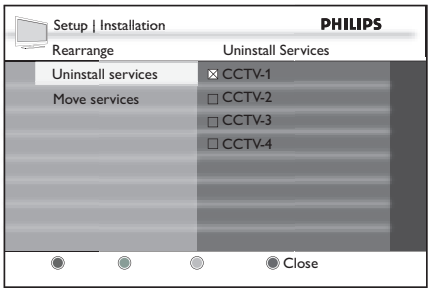
Tip: If the signal strength is poor, consider adjusting or checking the connection of your antenna. Contact a professional antenna installer for best results.

5.7 Change the order of stored channels

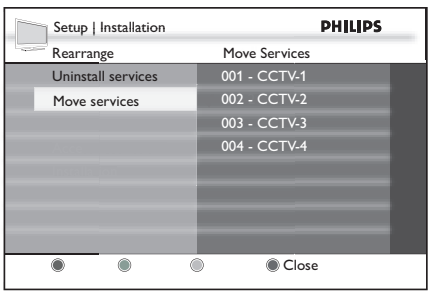
You can change the order of the digital channels and radio stations that you have stored.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Installation** > **Service List** > **Rearrange Services** and press ►.



2. Press ▶ to select **Uninstall services** and press ▲ or ▼ to select the services you wish to uninstall.
3. Press 确认 (**OK**) to uninstall the service temporarily.
4. Press ▶ to return to the previous menu and ▼ to select **Move services**.



5. Press ▲ or ▼ to highlight the service and 确认 (**OK**) to select.
6. Press ▲ or ▼ move the service to the order you want and press 确认 (**OK**) to confirm.
7. Repeat the above steps to move other services.
8. Press ◀ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

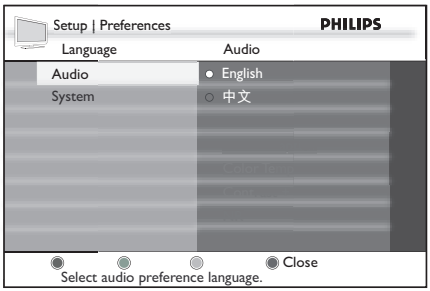
5.8 Set your preferences

5.8.1 Set your language

You can select your preferred language for system menu and digital audio output.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Preferences** > **Language** and press ▶.



2. Press ▲ or ▼ to select **Audio** or **System** and press ▶.
3. Press ▲ or ▼ to select the language and press 确认 (**OK**) to confirm.
4. Press ◀ to return to the previous menu or press the **blue** button to exit.

Menu options for language

- **Audio**: To select one of the available audio languages as your preferred audio language.
- **System**: To select the menu language.

5.8.2 Set your digital audio output

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press **DIGITAL MENU** to display the on-screen menu and select **Preferences** > **Digital Audio Output** and press ▶.
2. Press ▲ or ▼ to select **AC3** or **PCM** output.

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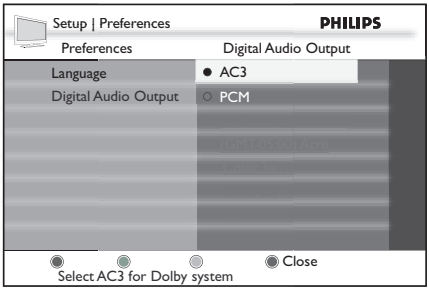


3. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

Digital Audio Output

- **AC3**: A compressed digital audio format that supports 5.1 channel.
- **PCM**: Pulse Code Modulation (PCM) is a way of transmitting uncompressed digital audio. PCM is used by Audio CDs.

Tip: If your DVD or home theatre system supports AC3 decoding, select **AC3**. Otherwise, select **PCM**.

5.9 Control access to digital channels

You can restrict access to the digital channels by blocking them with an access PIN code.

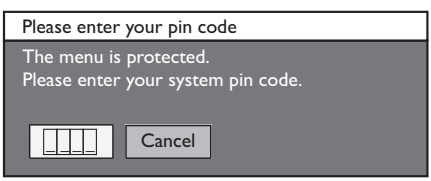
5.9.1 Turn on PIN code protection

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Access Restrictions** and press ►.

If **Enable Pin Protection** is **Off**, select **On** to proceed.

2. You will be prompted for the PIN code.



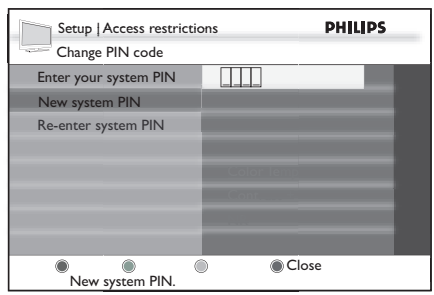
3. Enter the default PIN code "**1234**" with the numeric buttons (**0-9**).

   You can access the menu now using the default PIN code.

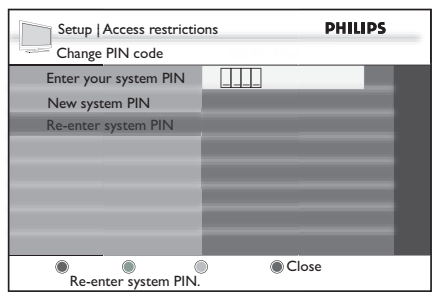
4. Press the ▲ or ▼ to highlight **On** and press 确认 (**OK**) to turn on PIN code protection.

5.9.2 Change your PIN code

1. Enter the **Access Restrictions** menu as described in *Section 5.9.1 Turn on PIN code protection*.
2. Press the ▼ to select **Change PIN code** and press 确认 (**OK**).
3. Enter your PIN code using the numeric buttons **(0-9)** on the remote control.
4. Enter a new code when prompted to enter your new PIN code.



5. Re-enter the new code when prompted.



6. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

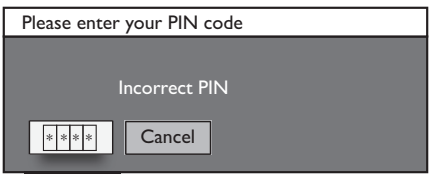
Tip: If you have forgotten your PIN code, reset the code by pressing "0711" followed by "0711" to enter a new code.

5.9.3 Reset your PIN code

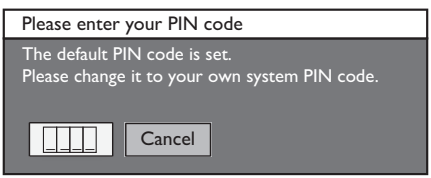
If you have forgotten your system PIN code, you can reset it to the default PIN code.

7. Enter "**0711**" with the numeric buttons (**0-9**) when prompted for the PIN code.

   The TV will display **Incorrect Pin** and prompt you to enter the PIN code again.



8. Enter "**0711**" again.
9. The PIN code is now reset to the default factory setting of "**1234**".

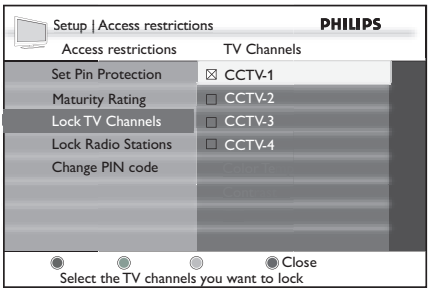


10. Enter "**1234**" with the numeric buttons (**0-9**).

    You can continue using this default PIN code or change the PIN code by selecting the **Change PIN Code** in the **Access Restrictions** menu.

5.9.4 Restrict access to TV channels

1. Enter the **Access restrictions** menu as described in the section, *Turn on PIN code protection* on the previous page.
2. Press ▼ to select **Lock TV Channels** and press 确认 (**OK**).
3. Press the ▲ or ▼ to select the TV channel to be blocked from access and press 确认 (**OK**) to block the TV channel.



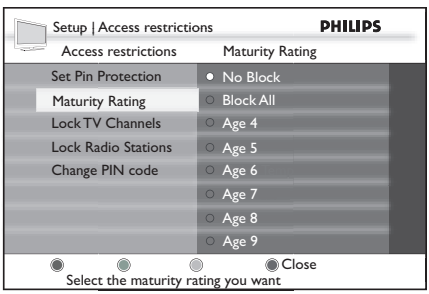
4. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

Note: The TV channel is blocked. To access the channel, enter the PIN code.

5.9.5 Restrict access to programs with Maturity rating

You can restrict access to the digital programs using the Maturity rating provided the broadcast programs are rated.

1. Enter the **Access restrictions** menu as described in the section, *Turn on PIN code protection* on the previous page.
2. Press ▼ to select **Maturity Rating** and press 确认 (**OK**) to see the list of ratings.



3. Press ▲ or ▼ to select the rating and press 确认 (**OK**) to confirm.

Note: A pop-up window will prompt you to enter the PIN code if the TV program is blocked by the **Maturity Rating** filter. Enter the PIN code to temporarily access the program.

EN

5.10 Setup your favourite channels

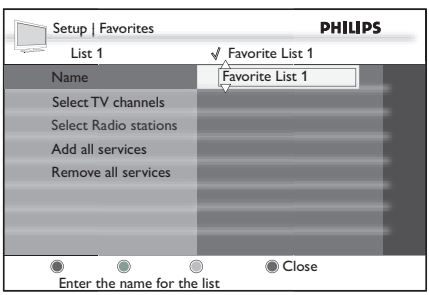
You can create a list of up to four of your favourite TV channels and radio stations.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

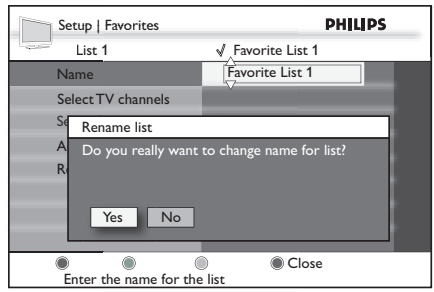
1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Favorites** > list number (**List 1** to **List 4**) and press 确认 (**OK**).
2. Press the ▶ to enter the **Favorites** setting options.

5.10.1 Change the name of a favourite list

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Favorites** > list number (**List 1** to **List 4**) > **Name**.
2. Press ◀ or ▶ to move the cursor over the character of the name list and press ▲ or ▼ buttons to scroll through the character list.
3. Press 确认 (**OK**) to confirm.

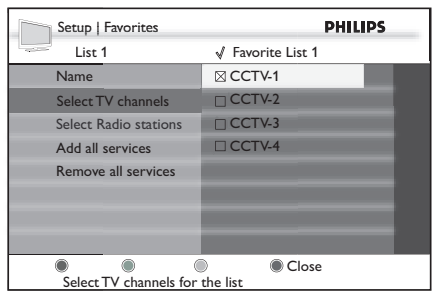


4. Select **Yes** and press 确认 (**OK**) to confirm changing the list name.



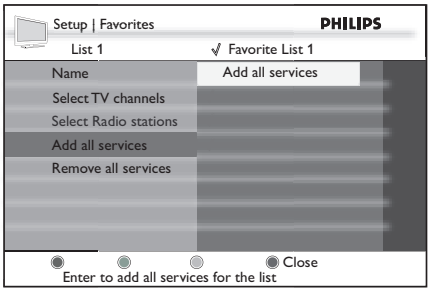
5.10.2 Select TV channels and radio stations

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Favorites** > list number (**List 1** to **List 4**) > **Select TV channels**.
2. Press ◀ or ▶ to navigate the list of channels or stations to select.
3. Press 确认 (**OK**) to select. An 'X' marks the check box to indicate the channel or station has been selected.

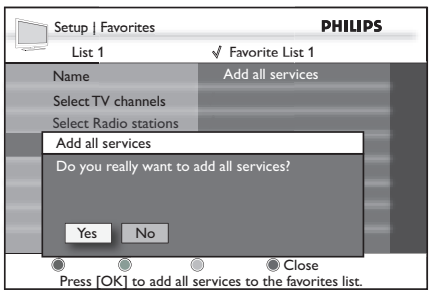


5.10.3 Add all services to a favourite list

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Favorites** > list number (**List 1** to **List 4**) > **Add all services**.
2. Press ▶ to enter menu.



3. Select **Yes** and press 确认 (**OK**) to confirm adding all the services.



4. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

5.10.4 Remove all services from a favourite list

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Favorites** > list number (**List 1** to **List 4**) > **Remove all services**.
2. Press ► to enter menu.
3. Select **Yes** and press 确认 (**OK**) to confirm removing all the services.
4. Press ◄ to return to the previous menu or press 数字菜单 (**DIGITAL MENU**) to exit.

5.11 Check current software version

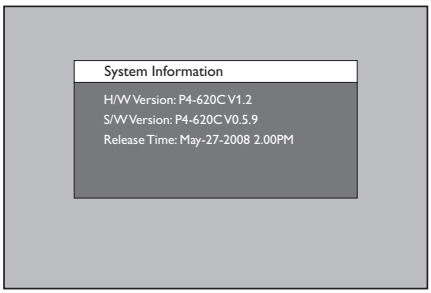
You can view information on the current version of the TV software and install new versions if they are available.

5.11.1 Viewing the current software version

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Information** > **System Info** > **Current Software Version** and press 确认 (**OK**).

   The software version is displayed. Screen information may differ depending on your software version.



5.12 Use Electronics Programme Guide (EPG)

EPG is an on-screen guide that displays schedules digital TV programmes. This guide is not available with analogue channels. You can navigate, select and view programmes by time and date.

There are two types of EPG. '**Now**/**Next**' and '**7 Days**'.

If you are not in the digital mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

1. Press 数字电视节目 (**EPG**) on the remote control or press 数字菜单 (**DIGITAL MENU**) to display the on-screen menu and select **Digital EPG** > **Digital EPG**.

   A list of digital TV programmes is displayed.

2. Press ▲ or ▼ to change channel or ◄ or ► to select to **Now**/**Next** EPG.

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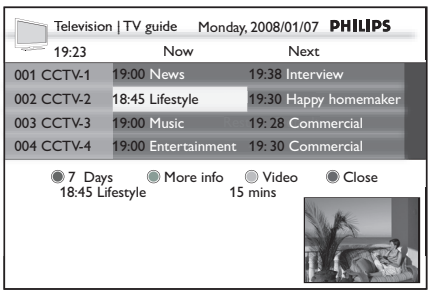
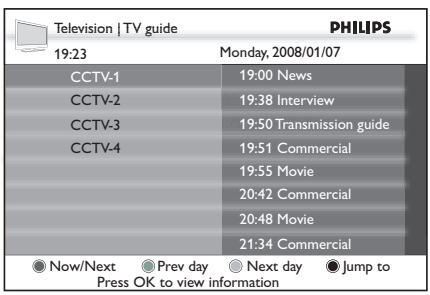
Sample screen only. This Electronic Program Guide may differ from your TV set.

Tip: Press the **yellow** button to open the AV preview window in the **Now**/ **Next** EPG.



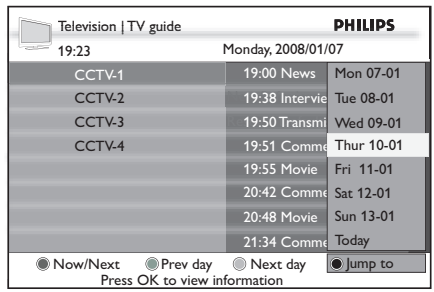
Sample screen only. This Electronic Program Guide may differ from your TV set.

3. Press the **green** button for more info about the program.
4. Press the **red** button to enter the **7 Days** EPG menu.



Sample screen only. This Electronic Program Guide may differ from your TV set.

5. Press the **red** button if you want to go back to the **Now**/ **Next** EPG, the **green** button if you want to go back to the previous day's program listing or the **yellow** button for the next day's listing.
6. Press the **blue** button if you want to go to the **Jump to** menu where you can select a day in this week to see the program information.



Sample screen only. This Electronic Program Guide may differ from your TV set.

7. When you have finished, press 数字电视节目 (**EPG**) to exit.

6 Use your TV in analogue mode

On-screen menus help you install your TV, adjust picture, sound and Ambilight settings and access other features. This section describes how to navigate the menus.

If you are not in the analogue mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

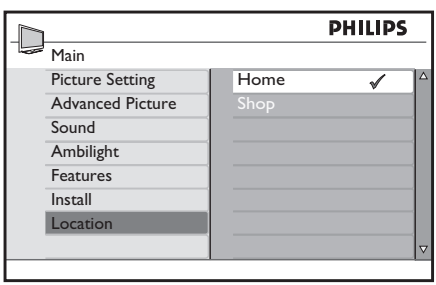
Tip: If you need to change your menu language, see *Section 5.3.1 Setup your language and services.*

6.1 Select your location

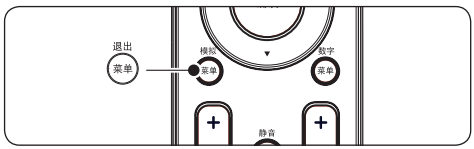
Set the location to suit a shop floor or home environment.

If you are not in the analogue mode, press 数字/模拟电视 (**DIGITAL/ ANALOGUE**).

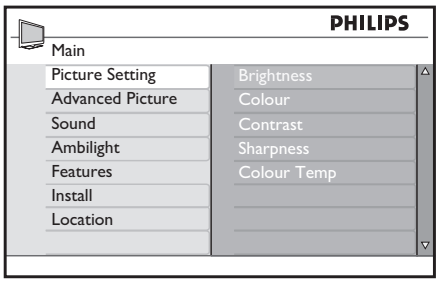
1. Press 模拟菜单 (**ANALOGUE MENU**) to display the on-screen menu and select **Location**.
2. Press ▶ to enter the **Location** menu.
3. Press ▲ or ▼ to select the TV mode:
   - **Shop**
     Sets smart settings to **Vivid**, ideal for a shop environment. The flexibility to change settings is limited.
   - **Home**
     Gives home users the full flexibility to change all TV settings.
4. Press 确认 (**OK**) to confirm.
5. Press 模拟菜单 (**ANALOGUE MENU**) to exit.



6.2 Access the main menu



1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control to display the main menu.



2. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

The main menu offers the following items:

- **Picture Setting**
  To adjust picture settings such as Brightness, Colour, Contrast, Sharpness, and Colour Temp (Temperature). See *Section 6.3 Adjust Picture and Sound settings*.
- **Advanced Picture**
  To turn on or off advance picture settings such Contrast+, Active Control, Artifacts Reduction and HD Natural Motion. See *Section 6.3 Adjust Picture and Sound settings*.
- **Sound**
  To adjust sound settings such as Equalizer, Balance, Auto Vol. (Volume) Leveller, Incr. (Incredible) Surround, and BBE. See *Section 6.3 Adjust Picture and Sound settings*.
- **Ambilight**
  To turn Ambilight on or off and to change the mode. See *Section 6.4 Adjust Ambilight settings.*

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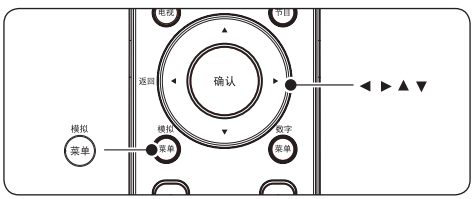
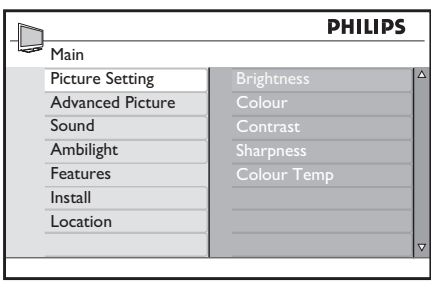
- **Features**
  To turn features on or off and to adjust special features such as Timer, Child Lock, Parental Lock and Demo See *Section 6.5 Use timers and child lock* and *Section 6.6 Use Demo mode.*
- **Install**
  To select the display language, auto store, manual store, sort and name TV channels, and to store a list of favourite channels. See *Section 6.7 Install channels.*
- **Location**
  To change your TV location to the Home or Shop mode. See *Section 6.1 Select your location.*

6.2.1 Use the main menu

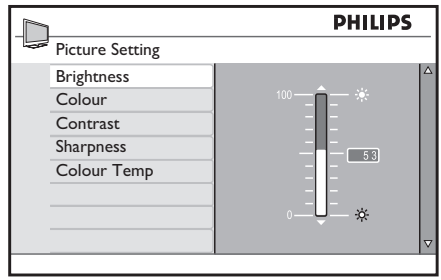
This section describes how to use the main menu.



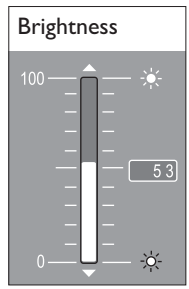
1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control to display the main menu.



2. Press ► to enter the **Picture Setting** menu.



3. Press ► to select **Brightness**.
4. Press ► to enter the **Brightness** setting.



5. Press ▲ or ▼ to adjust the setting.
6. Press ◄ to return to the **Picture** settings or press 模拟菜单 (**ANALOGUE MENU**) to exit.

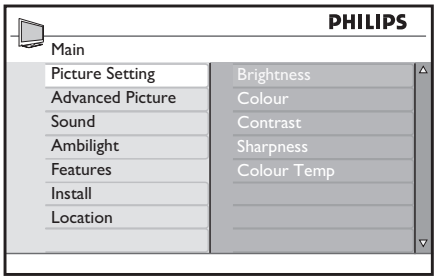
Note
More choices are available when HD equipment or PC is connected.

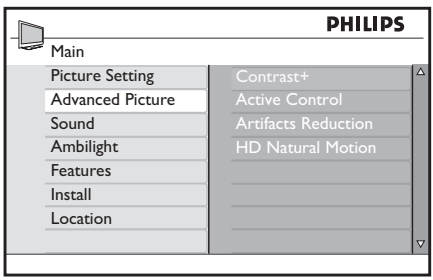
6.3 Adjust picture and sound settings

This section describes how to adjust picture and sound settings.

6.3.1 Adjust picture settings

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Picture Setting** or **Advanced Picture.**





2. Press ▶ to enter the list.
3. Press ▲ or ▼ to select a setting:

- **Brightness**
  Changes the level of light in the picture.
- **Colour**
  Changes the level of saturation.
- **Contrast**
  Changes the level of bright parts in the picture keeping the dark parts unchanged.
- **Sharpness**
  Changes the level of sharpness of fine details.
- **Colour Temp**
  Sets the colours to **Normal**, **Warm** (reddish) or **Cool** (bluish).
- **Contrast+**
  Changes the contrast range of the picture. Switch on or off.
- **Active Control**
  Corrects all incoming signals to provide the best picture possible. Switch on, off, or on+light sensor.
- **Artifacts Reduction**
  Smoothens the transitions on digital pictures. Switch on or off.
- **HD Natural Motion**
  Reduces the field and line flicker and reproduces smooth movement especially in movies. Switch on or off.

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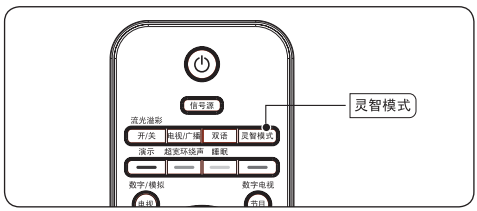
6.3.2 Use Smart Mode

Apart from manually adjusting picture settings, you can use **Smart Mode** to set your TV to a predefined picture, sound and Ambilight setting.

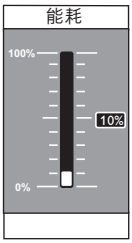
1. Press 灵智模式 (**SMART MODE**) on the remote control to toggle through a selection of pre-defined picture and sound settings.



Summary of smart modes

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

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 in wattage.

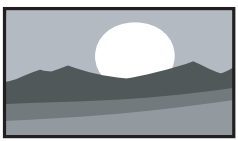


6.3.3 Change picture format

Change the picture format to suit your content.

1. Press ◄ or ► to select one of the following picture formats:

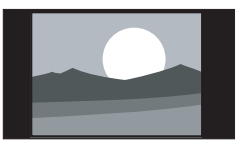
- **Wide screen**



The picture is displayed in the original proportions of images transmitted in 16:9 format.

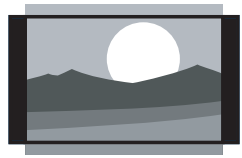
Note: If you display a 4:3 picture in wide screen mode, the picture is stretched horizontally.

- **4:3**



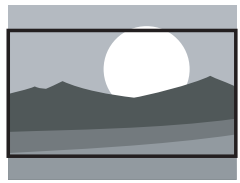
The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.

- **Movie expand 14:9**



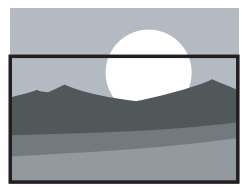
The picture is shown in 14:9 format. A thin black band remains on both sides of the picture and the top and bottom of the picture is clipped off.

- **Movie expand 16:9**



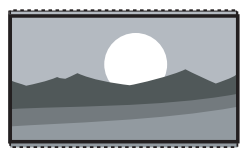
The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures with black bands at the top and bottom (letter box). In this mode, large parts of the top and the bottom of the picture are clipped off.

- **Subtitle Zoom**



This mode is used to display 4:3 pictures using the full surface of the screen leaving the sub-titles visible. Part of the top of the picture is clipped off.

- **Super zoom**

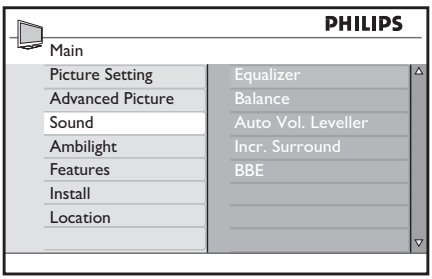


This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture.

6.3.4 Adjust sound settings

This section describes how to adjust sound settings.

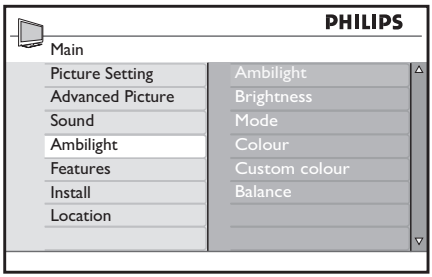
1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Sound**.
2. Press ▶ to enter the list.



3. Press ▲ or ▼ to select one of the following settings:
   - **Equalizer**
     Adjusts each individual frequency (tone).
   - **Balance**
     Balances the left and right speaker's sound level.
   - **Auto Vol. Leveller**
     Controls the sudden sound level increase when changing channels or during commercial break.
   - **Incr. Surround**
     Enhances stereo effect. Select **Incr. Surround** or **Stereo** (when in stereo mode) or **Mono** or **Spatial** (when in mono mode).
   - **BBE** (High definition sound)
     An enhancement technology licensed by BBE Sound. Restores clarity and presence for better speech intelligibility and musical realism.

6.4 Adjust Ambilight settings

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Ambilight**.
2. Press ▶ to enter the list.



3. Press ▲ or ▼ to select one of the following settings:
   - **Ambilight**
     Switches Ambilight on or off.
   - **Brightness**
     Changes the light output of Ambilight.
   - **Mode**
     Chooses from four Ambilight modes: Colour, Relaxed, Moderate, and Dynamic.
   - **Colour**
     Selects a pre-defined colour setting (Warm white, Cool white, Blue, Red, Green, Yellow, Magenta, or make a custom colour of your own.

Note
This option appears only after you select **Mode** >**Colour** above.

   - **Custom Colour**
     Sets the colour saturation or palette.

Note
This option appears only after you select **Colour** > **Custom** above.

   - **Balance**
     Sets the level of Ambilight on the left and right side of the TV.

Caution
To avoid poor remote control reception, do not place remote control sensors on your devices in range of Ambilight.

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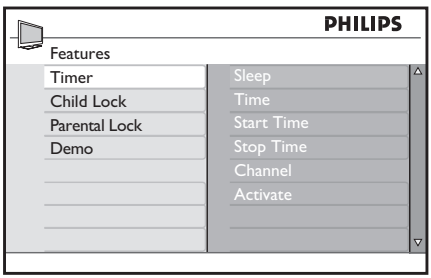
6.5 Use timers and child lock

This section describes how to switch the TV on or off at a specified time and to lock or unlock the TV. Child lock is useful in preventing your children from watching unauthorised content.

6.5.1 Automatically switch the TV to standby (Sleep timer)

Sleep timer switches the TV to standby after a defined period of time.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Timer** > **Sleep**.



2. Press ▶ to enter the **Sleep** menu.
3. Press ▲ or ▼ to select the sleep time. If set to zero minute the sleep timer is switched off.
4. Press 确认 (**OK**) to activate the **Sleep** timer.

You can always switch off your TV earlier or reset the time during the countdown.

6.5.2 Automatically switch the TV on (Timer)

Timer switches the TV to a specified channel at a specified time, from standby. Your TV must be in standby for the timer to work.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Timer**.
2. Press ▶ to enter the **Timer** menu.
3. Use ▲ or ▼, ◀ or ▶ to select and enter the menu items to set a time, start time, stop time, and channel.
4. Press 确认 (**OK**) to confirm.
5. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

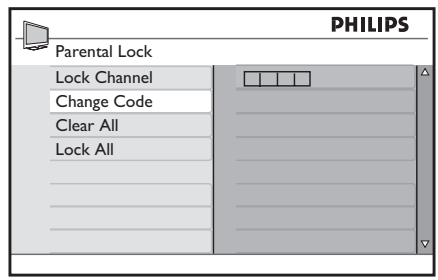
Tip
To switch off the timer, select **Off** in **Features** > **Timer** > **Activate.**

6.5.3 Lock TV channels (Parental Lock)

You can lock TV channels with a four digit code to prevent children from watching unauthorised content.

To set or change a PIN code

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Parental Lock** > **Change code**.

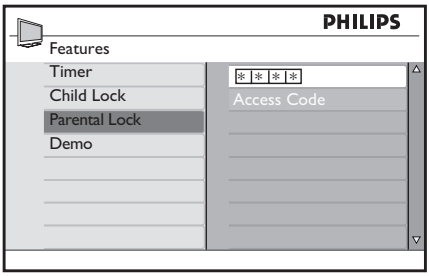


2. Press ▶ to enter the code setup.
3. Enter your code with the number buttons. The **Features** menu reappears with a message confirming that your code is created or changed.

Tip
If you forget your code, enter '0711' twice to override any existing codes.

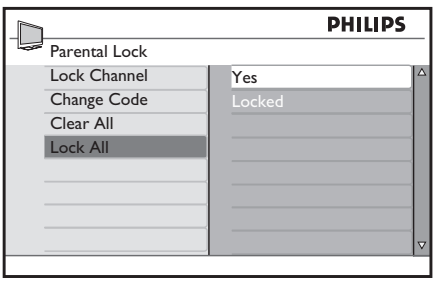
To enter the Parental Lock menu

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Parental Lock.**
2. Press ▶ to enter your code.
3. Enter your code with the number buttons.



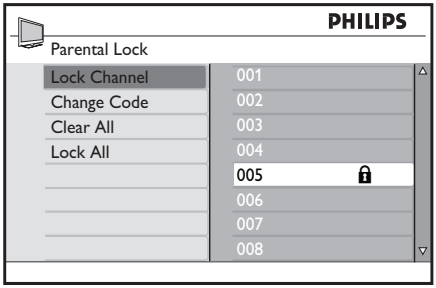
To lock or unlock all channels

1. In the **Parental Lock** menu, select **Lock All** or **Clear All.**
2. Press ▶ to enter.
3. Press 确认 (**OK**) to confirm your choice.



To lock one or more channels

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Parental Lock** > **Lock Channel**.
2. Press ▶ to enter.
3. Press ▲ or ▼ to select the channels you want to lock.
4. Press 确认 (**OK**) to lock the channel. A 🔒 symbol appears next to the channel number. To unlock, press 确认 again.

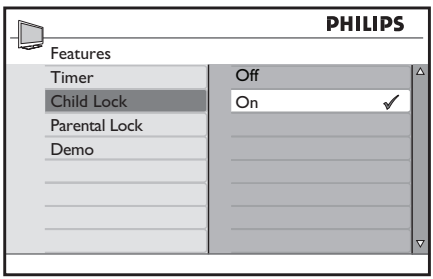


5. Repeat the above steps to lock or unlock more channels.

6.5.4 Lock the side controls (Child Lock)

You can lock the side controls of the TV to prevent children from changing channels. You can still change channel by using the remote control.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Child Lock.**
2. Press ▲ or ▼ to select **On** or **Off**.



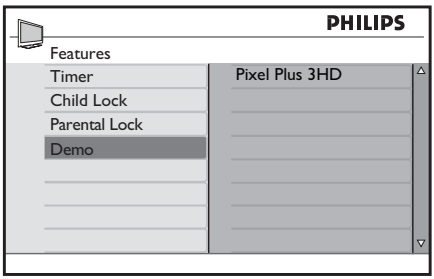
3. Press 确认 (**OK**) to confirm.
4. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

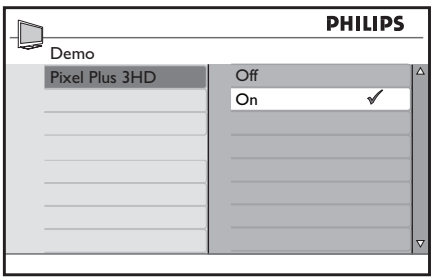
6.6 Use Demo mode (in analogue mode only)

Consult your product specification to see whether your set has demo mode.

The demo mode enables you to see the difference between the new video technologies available on your TV and conventional TVs without these features.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Features** > **Demo**.

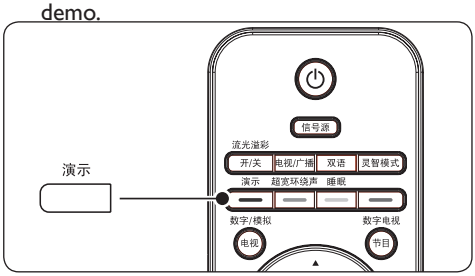




2. Press ▲ or ▼ to select **On** or **Off.**
3. Press 确认 (**OK**) to confirm.
4. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

Alternatively, you can turn on or off the **Demo** mode with the 演示 button on the remote control.

1. Press 演示 (**DEMO**) on the remote control. The **Demo** mode turns on.
2. Press 演示 (**DEMO**) again to turn off a demo.



6.7 Install channels

This chapter describes how to install channels and tune channels.

6.7.1 Automatically install channels

This section describes how to search and store channels automatically.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Auto Store**.
2. Press 确认 (**OK**) to start installation. The installation may take a few minutes.
3. When the channel search is completed, the TV will go to the first installed channel number.
4. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

Tip

To rename, reorder or uninstall stored channels, see *Section 6.8 Manage channels*.

6.7.2 Manually install channels

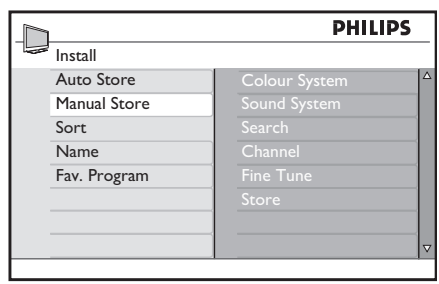
This section describes how to search and store analogue channels manually.

Step 1 Select your system

Note

Skip to *Step 2 Search and store new TV channels* if your system settings are correct.

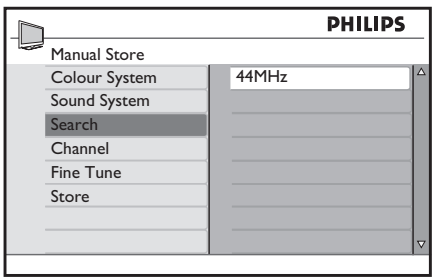
1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Manual Store**.



2. Press ▶ to enter **Manual Store**.
3. Press ▶ to enter **Colour System**.
4. Press ▲ or ▼ to select the appropriate system.
5. Press ◀ to return to the **Manual Store** menu.
6. Press ▼ to select **Sound System**.
7. Press ▲ or ▼ to select the appropriate system.
8. Press ▼ to select **Store** and ▶ to confirm.
9. Press ◀ to return to the **Manual Store** menu.

Step 2 Search and store new TV channels

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Manual Store** > **Search**.



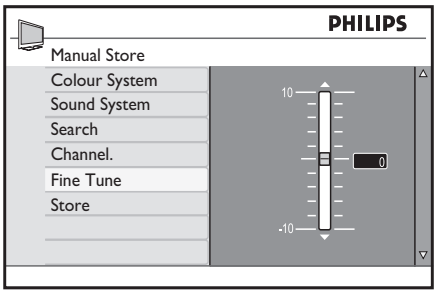
2. Press ▶ and the number buttons on the remote control to manually enter the three-digit frequency.
3. Press ◀ when the new channel is found.
4. Press ▼ to select **Channel**.
5. Press ▲ or ▼ to select a channel number.

   Alternatively, use the number buttons on the remote control to manually enter the channel number.
6. Press ▼ to select **Store** and ▶ to confirm.
7. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

6.7.3 Fine tune channels

You can fine tune channels when reception is poor.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Manual Store** > **Fine Tune**.



2. Press ▲ or ▼ to adjust the frequency
3. Press ◀ when done.
4. Select **Store** to store the fine tuned channel under the current channel number.
5. Press ▶ to enter.
6. Press 确认. **Stored** appears.
7. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

6.8 Manage channels

This section describes how to reorder, name, rename, or store favourite channels.

6.8.1 Reorder channels

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Sort**.
2. Press ▲ or ▼ to select the channel you want to reorder.

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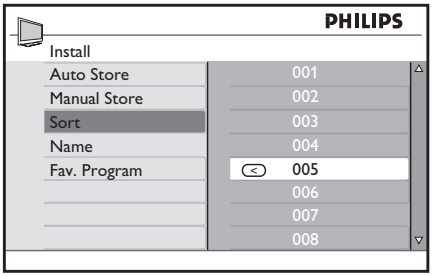
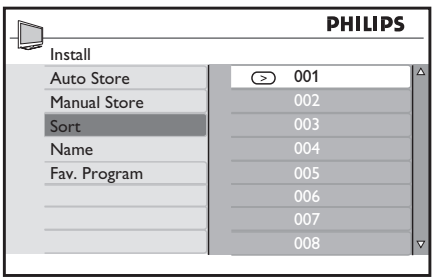


3. Press ▶ to confirm.
4. Press ▲ or ▼ to select the channel you want to change to.
5. Press ◀ to confirm.



6. Repeat the above steps to reorder more channels.
7. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

6.8.2 Name or rename channels

This feature is not available for external channels.

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Name**.
2. Press ▲ or ▼ to select the channel you want to rename.
3. Press ▶ to start the process.
4. Press ▲ or ▼ to select the characters or numbers from the list. You can use up to five characters or numbers.
5. Press ◀ to end the process.
6. Repeat the above steps to name or rename more channels.
7. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

6.8.3 Store your favourite channels

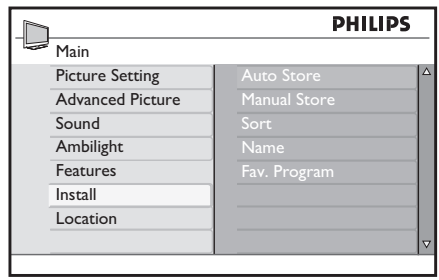
You can specify a list of favourite channels.

When you use the 频道 **+/-** (**CHANNEL +/-**) buttons of the remote control to access channels, only the favourite channels are accessed.

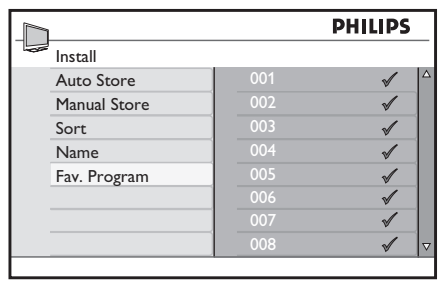
To access channels that are not in your list of favourites, use the **0** to **9** numerical buttons.

Add or remove channels from your list of favourites

1. Press 模拟菜单 (**ANALOGUE MENU**) on the remote control and select **Install** > **Fav. Program**.

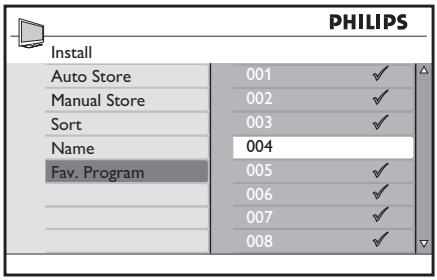


2. Press the ▲ or ▼ to select the channel number you want to add or remove from the list.



3. Press ▶ or 确认 (**OK**) to add or remove the channel from your list.

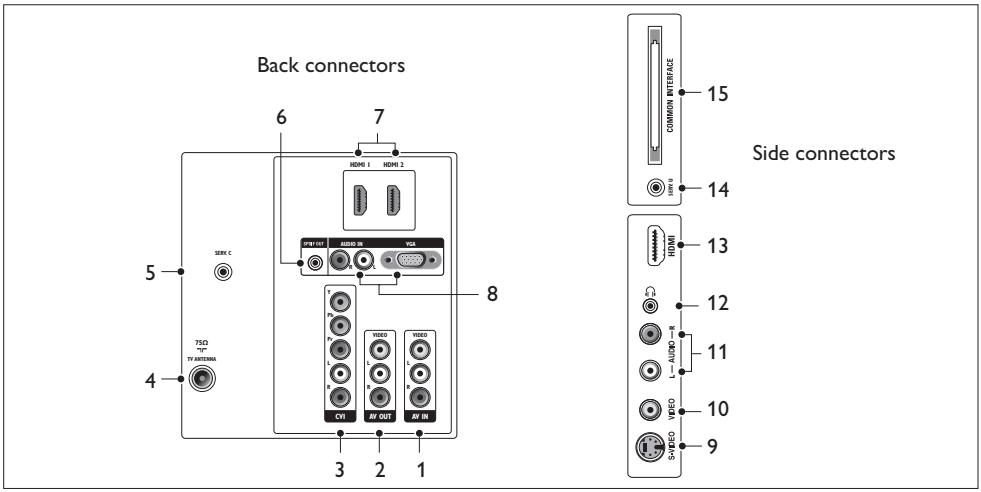
When the √ is displayed on the right of the menu, the channel is in the list of favourites.
When the √ is not displayed on the right of the menu, the channel is not in the list of favourites.



4. Press the ◄ to return to the previous menu.
5. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

7 Connect devices

7.1 Connection overview



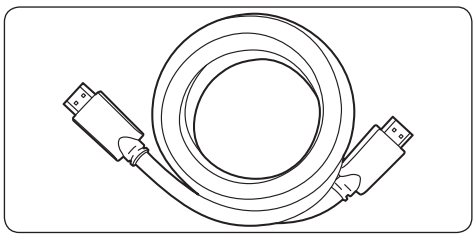
1. **AV IN**
   Video and audio input cinch connectors for connection to devices.
2. **AV OUT**
   Video output cinch connector and audio L/R connectors for connection to devices.
3. **CVI**
   Component video (Y Pb Pr) and Audio L/R input connectors for DVD players, digital receivers, game consoles and other component video devices.
4. **TV ANTENNA**
   Aerial plug connector.
5. **SERV C**
   For service use (do not insert the headphone here).
6. **SPDIF OUT**
   SPDIF sound output connector for home theatres and other audio systems.
7. **HDMI 1/2**
   HDMI input connectors for Blu-ray Disc players, digital receivers, game consoles and other high-definition devices.
8. **VGA/AUDIO IN**
   Input connectors for PC or other devices. Audio connectors are also for devices that require a separate audio channel.
9. **S-VIDEO**
   S-Video input connector for S-Video devices.
10. **VIDEO**
    Video input cinch connector for composite devices.
11. **AUDIO L/R**
    Audio L/R input connectors for composite and S-Video devices.
12. **Headphones**
    Stereo mini jack.
13. **HDMI**
    Additional HDMI connector for mobile high-definition devices.
14. **SERV U**
    For service use (do not insert the headphone here).
15. **COMMON INTERFACE**
    Slot for Conditional Access Modules.

7.2 Select connection quality

This section describes how you can enhance your audio visual experience by connecting your devices with the best possible connectors.

After connecting your devices, be sure to enable them as described in *Section 7.4 Setup devices*.

7.2.1 HDMI - Highest quality



HDMI produces the best audio visual quality possible. Both audio and video signals are combined in one HDMI cable, providing an uncompressed, digital interface between your TV and HDMI devices. You must use HDMI to experience full high-definition video.

Tip

If your device only has a DVI connector, use a DVI-HDMI adaptor to connect your device to a HDMI connector on the TV. As such a connection does not support sound, you must connect a separate audio cable from the device to the Audio L/R input at the **AUDIO IN** connectors on the TV.

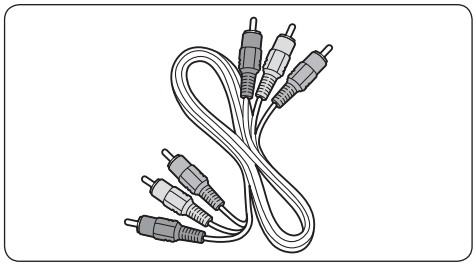
Note

Philips HDMI supports HDCP (High-bandwidth Digital Contents Protection). HDCP is a form of Digital Rights Management that protects high definition content in DVD or Blu-ray Discs.

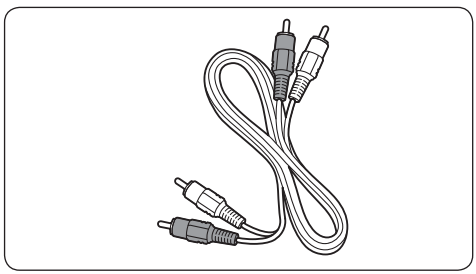
7.2.2 Component (YPbPr) - High quality

Component (Y Pb Pr) video provides better picture quality than S-Video or composite video connections. Though component video supports high-definition signals, picture quality is lower than HDMI and is analogue.

When connecting a component video cable, match the cable colours to the **CVI** connectors on the back of the TV. Also, connect a Audio L/R cable to the white and red Audio L/R input connectors at **CVI**.



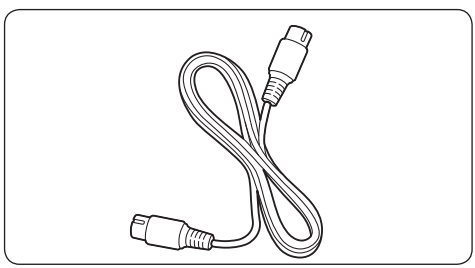
Component video cable - Red, Green, Blue



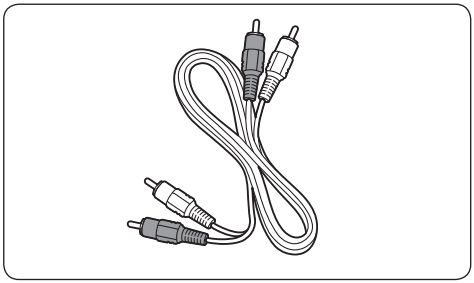
Audio L/R cable - White and Red

7.2.3 S-Video - Good quality

S-Video provides better picture quality than composite video. When connecting your device with S-Video, plug the S-Video cable to the S-Video connector on the side of the TV. You must connect a separate Audio L/R cable from the device to the white and red Audio L/R input connectors on the side of the TV.



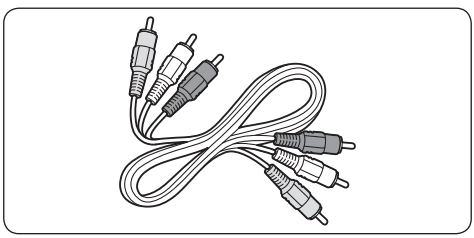
S-Video cable



Audio L/R cable - White and Red

7.2.4 Composite - Basic quality

Composite video provides basic analogue connectivity, usually combining a (yellow) video cinch cable with (white and red) Audio L/R cinch cable. Match the cable colours when connecting to the composite Video and Audio L/R input connectors on the side of the TV.



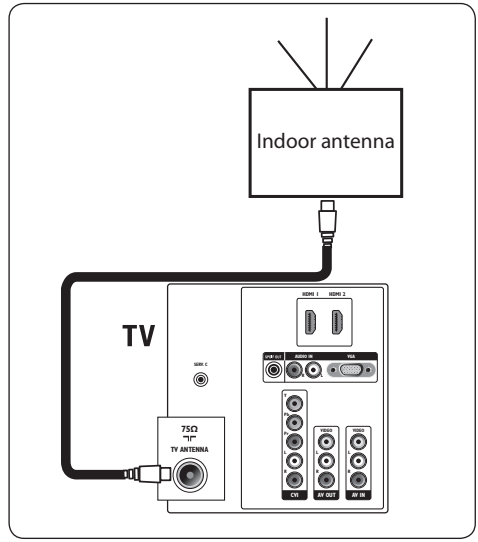
Composite audio/video cable- Yellow, white and red

7.3 Connect devices

This section describes how to connect a selection of devices. Note that different types of connectors may be used to connect a device to your TV, depending on availability and your needs. The following sections are examples only.

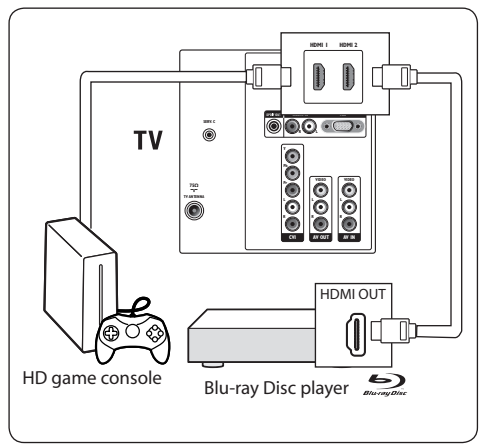
7.3.1 Indoor antenna

Connect an antenna cable from the TV to the indoor antenna.



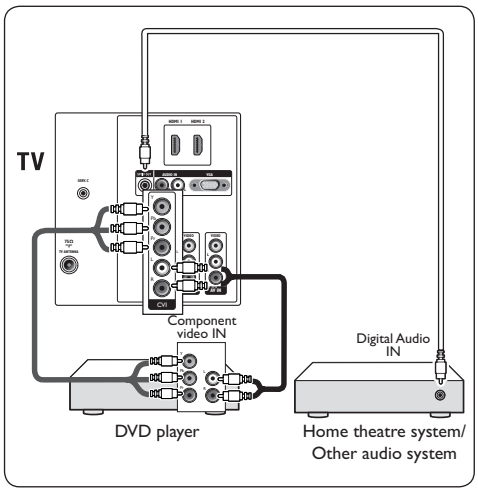
7.3.2 Blu-ray Disc player

For full high-definition video, connect a HDMI cable to the Blu-ray Disc player or a HD game console and a HDMI connector on the back or side of the TV (available in selected models).



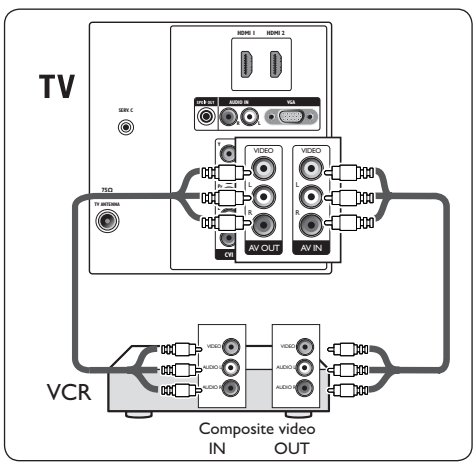
7.3.3 DVD player/Home theatre system/ Other audio system

Connect a component video cable from the DVD player to **CVI** connectors on the back of your TV. To output sound to a home theatre system or other audio system, connect up the **SPDIF OUT** connector on the back of the TV to the Digital Audio IN connector on the system.



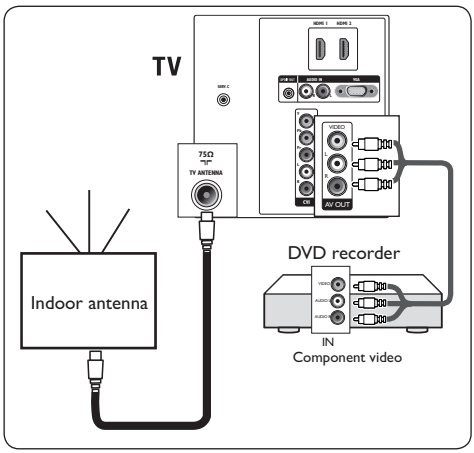
7.3.4 VCR

Connect a composite video cable from the player to the **AV IN** connectors on the back of the TV. For recording of TV programmes on a VCR, connect to the **AV OUT** connectors.



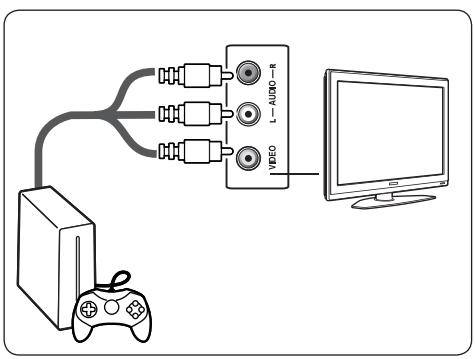
7.3.5 DVD recorder

To receive channels via an indoor antenna and record analogue programs on a DVD recorder, connect an antenna cable to the TV and a component video cable from the DVD recorder to your TV.



7.3.6 Game console or camcorder

The most practical connection for a mobile game console or camcorder may be at the side of the TV. You can, for example, connect the game console or camcorder to VIDEO/S-Video and AUDIO L/R connectors at the side of the TV. An HDMI connector is also available for high-definition devices.



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A permanent game console or camcorder can be connected to an HDMI connector or **AV IN** (component) connectors at the back of the TV.

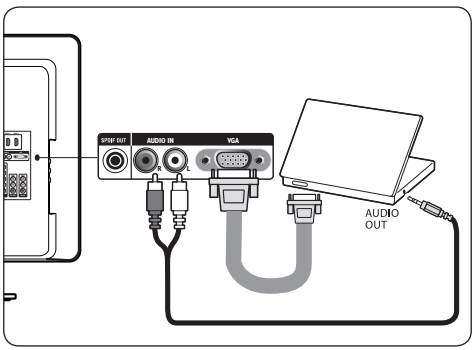
7.3.7 Personal Computer

Caution

Before connecting the PC, set the PC monitor refresh rate to 60Hz. See *Section 11 Technical data* for a list of computer resolutions.

Connecting to the back of the TV (VGA)

1. Connect your PC to the VGA connector at the back of the TV.
2. Connect an audio cable from your PC to AUDIO IN L/R connectors on the back of the TV.



Connecting to the side of the TV (S-Video)

If your PC has no VGA connection, use the S-VIDEO and AUDIO L/R input connectors at the side of the TV. This type of connection is best suited to applications such as Windows Media Center.

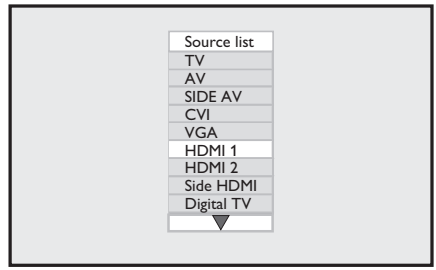
7.4 Setup devices

When all devices are connected, you must select the type of device attached to each connector.

7.4.1 Select connectors

To select the device connected to the connectors on your TV.

1. Press 信号源 (**SOURCE**) on the remote control.

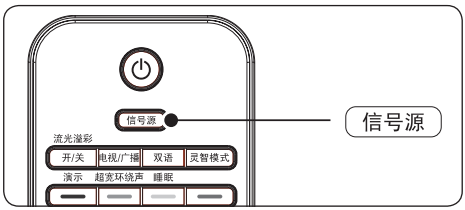


2. Press ▼ or ▲ to select a connector.
3. Press 确认 (**OK**) to confirm.
4. Repeat the above steps to select another connector.

8 Use your TV as PC monitor

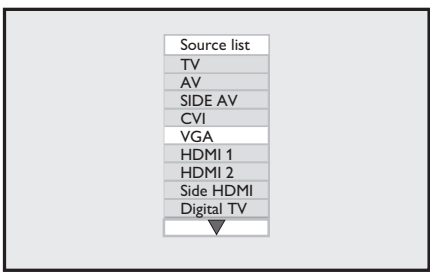
8.1 Configure PC mode

1. Connect your computer in *Section 7.3.7 Personal Computer*.
2. Press 信号源 (**SOURCE**) on the remote control.



The list of sources appears.

3. Press ▼ to select **VGA** and press 确认 (**OK**) to confirm.



Note: Set your PC refresh rate to 60 Hz.

Picture settings in PC mode

Except for Horizontal Shift and Vertical Shift, all of the picture settings in PC mode are the same as the picture settings in TV mode.

- **Horizontal Shift**
  To adjust horizontal position of the range.
- **Vertical Shift**
  To adjust vertical position of the range.

Feature settings in PC mode

- **Phase** and **Clock**
  To match the TV and computer display settings
- **Auto Adjust**
  To synchronise the TV and computer Phase and **Clock** rate automatically. The geometry is also adjusted.
- **Reset**
  To return to default settings.

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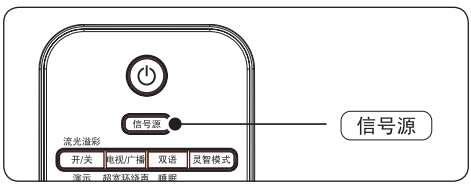
9 Use your TV in High Definition (HD) mode

The HD (High Definition) mode allows you to enjoy clearer and sharper pictures if you are using HD equipment that can produce high definition video signals.

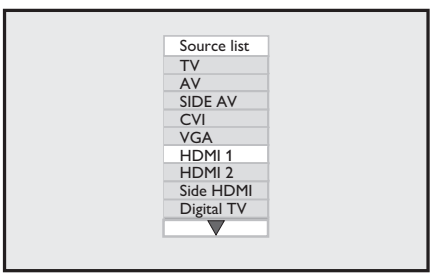
9.1 Configure HD mode

1. Connect your HD equipment as shown in the **Quick Start**.
2. Press 信号源 (**SOURCE**) on the remote control.

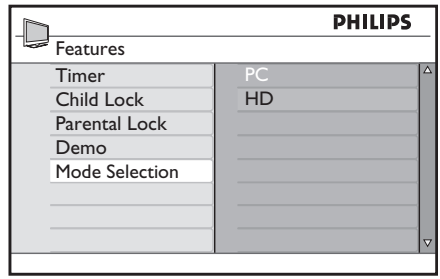


The list of sources appears.

3. Press ▼ to select the correct **HDMI** and press 确认 (**OK**) to confirm.



4. Press 模拟菜单 (**ANALOGUE MENU**) to display the on-screen menus.
5. Go to **Features** > **Mode Selection**.
6. Press ▼ and 确认 (**OK**) to select **HD**.



7. Press 模拟菜单 (**ANALOGUE MENU**) to exit.

Picture settings in HD mode

Except for Horizontal Shift and Vertical Shift, all of the picture settings in PC mode are the same as the picture settings in TV mode.

- **Horizontal Shift**
  To adjust horizontal position of the range.
- **Vertical Shift**
  To adjust vertical position of the range.

Sound settings in HD mode

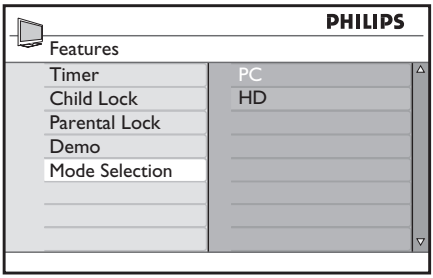
All the sound settings in PC mode are the same as the sound settings in TV mode.

9.2 Configure the TV in HD mode

You must configure the TV in HD mode when you connect a HD equipment that supports the following resolutions: 480p, 720p, or 1080p.

The **Features** menu includes the **Mode Selection** option and the **Format** option.

1. Press 模拟菜单 (**ANALOGUE MENU**) to display the **Main** menu.
2. Press ▲ or ▼ to select **Features**, and press ▶ or 确认 (**OK**) to enter the menu.
3. Press ▼ to select **Mode Selection**, and press ▶ or 确认 (**OK**) to enter the setting.



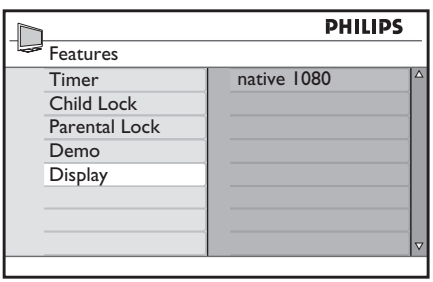
4. Press ▲ or ▼ to select **HD.**
5. Press ◄ to return to the previous menu.
6. Press 模拟菜单 (**ANALOGUE MENU**) to exit the menu.

9.3 Display in native 1080 mode

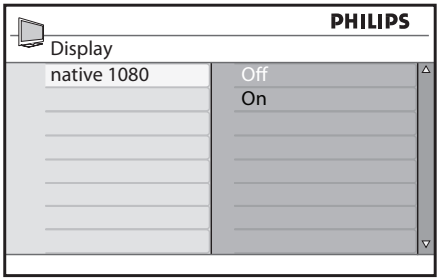
Note: Only TVs with the full HD 1080p can display in native 1080 mode.

When you connect HD equipment that supports a resolution of 1080i or 1080p, the Display (native 1080) feature is available in the Features menu. This feature allows you to watch the original HD format in 1080i/p mode.

1. Press 模拟菜单 (**ANALOGUE MENU**) to display the **Main** menu.
2. Press ▲ or ▼ to select **Features,** and press ► or 确认 (**OK**) to enter the menu.
3. Press ▼ to select **Display**.



4. Press ► to access **Display**.
5. Press ► twice to access the **Off/On** option in the **native 1080.**



6. Press ▲ or ▼ to select **Off** or **On**. Select **On** option to watch native 1080 mode.
7. Press ◄ to return to the previous menu.
8. Press 模拟菜单 (**ANALOGUE MENU**) to exit the menu.

9.4 Supported formats

The following table list the supported input formats for HD mode.

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		

Note: Your Philips TV is HDMI compliant. If you do not get a good picture, please change the video format on your peripheral devices. Refer to the table above for details.

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10 Use Philips EasyLink

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

One-touch play

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

One-touch standby

When you connect your TV to devices that supports one-touch standby, you can use your TV's remote control to put the devices to standby. To put a device into standby, press and hold the ⏻ button on the TV's remote control for 3-4 seconds.

11 Technical data

Supported display resolutions

- **HDMI Input:**

Mode	Signal Format
PC Format	640x480@60Hz, 72Hz, 75Hz, 85Hz 720x400@70Hz, 85Hz 800x600@60Hz, 72Hz, 75Hz, 85Hz 1024x768@60Hz, 70Hz, 75Hz, 85Hz 1280x768@60Hz 1280x1024@60Hz
Video Format	720x480p@60Hz 720(1440)x480i@60Hz 720x576p@50Hz 720x(1440)x576i@50Hz 1280x720p@60Hz 1280x720p@50Hz 1920x1080i@50Hz, 60Hz 1920x1080p@24Hz, 25Hz, 30Hz, 50Hz, 60Hz

- **PC Analog, D-sub input:**

Mode	Signal Format
PC Format	640x480@60Hz, 72Hz, 75Hz, 85Hz 720x400@70Hz, 85Hz 800x600@60Hz, 72Hz, 75Hz, 85Hz 1024x768@60Hz, 70Hz, 75Hz, 85Hz 1280x768@60Hz 1280x1024@60Hz

- **Tuner / Reception / Transmission**
- Antenna input: 75ohm coaxial (IEC75)
- TV system: PAL I, PAL B/G, PAL D/K, SECAM B/G, SECAM D/K
- Video playback: NTSC, SECAM, PAL

Sound

- Sound mode: Mono, Stereo, Incredible Surround, BBE

Remote control

- Batteries: 2 x AAA size (R03 type)

Connections (Rear)

- AV IN: Audio L/R, Video
- AV OUT: Audio L/R, Video
- CVI: Component (Y Pb Pr), Audio L/R in
- HDMI 1/2
- SPDIF: Digital Audio out
- VGA
- TV ANTENNA

Connections (Side)

- Headphone out (stereo mini jack)
- AUDIO L/R in
- Video (CVBS) in
- S-Video
- HDMI
- Common Interface

Power

- Mains power: AC 220-240V
- Power and standby power consumption: See technical specifications at www.philips.com
- Ambient temperature: 5°C - 35°C

Specifications are subject to change without notice. For detailed specifications of this product go to www.philips.com/support.

12 Troubleshooting

This section describes commonly-encountered issues and accompanying solutions.

12.1 General TV issues

The TV does not switch on:

- Unplug the mains cord, wait for one minute and plug in the mains again.
- Verify that the mains cord is properly connected and that the mains are powered.

The remote control is not working properly:

- Verify 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:

- Turn off the TV and unplug the mains cord. Wait until the TV cools down before reinserting the mains cord and turning on the TV. If the blinking occurs again, contact our Customer Support Centre.

You forgot your code to unlock channels

Enter '0711' as described in *Section 6.5.3 Lock TV channels (Parental Lock)*.

The TV menu is in the wrong language

See *Section 5.3.1 Setup your language and services* for instructions on how to change the TV menu to your preferred language.

12.2 Picture issues

There is sound but no picture:

- Verify that picture settings are correctly set. See *Section 6.3.1 Adjust picture settings*.
- Remove and re-insert the CI card.
- Switch off and on the TV again.

You receive poor TV reception from an antenna connection:

- Check that the antenna is properly connected to the TV.
- Loud speakers, non-earthed audio devices, neon lights, high buildings or mountains can influence the picture quality. Try to improve the reception quality by changing the antenna direction or moving devices away from the TV.
- Verify if the correct TV system is selected for your region. See *Section 6.7.2 Manually install channels*.
- If reception on only one channel is poor, try to fine tune this channel. See *Section 6.7.3 Fine tune channels*.

You receive poor picture quality from connected devices:

- Check that the devices are connected properly. Also, be sure to assign devices to connectors as described in *Section 7.4 Setup devices*.
- Verify that picture settings are correctly set. See *Section 6.3.1 Adjust picture settings*.

The TV did not save my settings:

- Verify that the TV is set to the Home location, which offers you complete flexibility to change settings. See *Section 6.1 Select your location*.

The picture does not fit the screen, it is too big or too small:

- Try using a different picture format as described in *Section 6.3.3 Change picture format*.
- Assign your device to connectors as described in *Section 7.4 Setup devices*.

12.3 Sound issues

There is picture but no sound from the TV:

Note

If no audio signal is detected, the TV automatically switches off audio output and does not indicate malfunction.

- 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 sound quality is poor:

- Check sound settings as described in *Section 6.3.4 Adjust sound settings*. Verify that Stereo and Equalizer settings are correct.

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

- Verify that the **Balance** is correctly set, as described in *Section 6.3.4 Adjust sound settings*.

12.4 HDMI connection issues

You encounter problems with HDMI devices

- The HDMI - HDCP procedure might take a few seconds before the TV shows the picture from a device.
- If the TV does not recognise the device and the screen shows no picture, try switching from one device to another and back again to restart the HDCP procedure.
- If you experience intermittent sound disruptions, check the user manual of the HDMI device to verify that output settings are correct. Alternatively, try connecting the channeling of the audio signal from the HDMI device to the TV via an additional audio cable.
- If a HDMI-to-DVI adaptor or HDMI to DVI cable is used, check that an additional audio connection is in place to complete the DVI connection.

12.5 PC connection issues

The PC display on my TV is not stable or is not synchronised:

- Check that a supported resolution and refresh rate is selected on your PC. See *Section 11 Technical data* for supported resolutions and refresh rates.
- Adjust the screen resolution in your PC.

12.6 Contact us

If you cannot solve your problem, contact the Customer Support Centre in your country as listed on the last page of this user manual. Alternatively, consult our website at www.philips.com/support.

WARNING

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

Note

Please have available your TV model, product number and serial number before contacting us. These numbers are available on your TV as well as on the packaging accompanying your TV.

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