1 Notice

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Warranty
- Risk of injury, damage to TV or void of warranty! Never attempt to repair the TV yourself.
- Use the TV and accessories only as intended by the manufacturer.
- The caution sign printed on the back of the TV indicates risk of electric shock. Never remove the TV cover. Always contact Philips Customer Support for service or repairs.
- Any operation expressly prohibited in this manual, or any adjustments and 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.
Philips Electronics Singapore Pte Ltd hereby offers to deliver, upon request, a copy of the complete corresponding source code for the copyrighted open source software packages used in this product for which such offer is requested by the respective licences. This offer is valid up to three years after product purchase to anyone in receipt of this information. To obtain the source code, please contact open.source@philips.com. If you prefer not to use email, or if you do not receive a confirmation receipt within a week of mailing this email address, please write to “Open Source Team, Philips Intellectual Property & Standards, P.O. Box 220, 5600 AE Eindhoven, The Netherlands”. If you do not receive timely confirmation of your letter, please send an email to the email address above. The texts of the licences and acknowledgements for open source software used in this product are included on a separate leaflet.

Compliance with EMF
Koninklijke Philips Electronics N.V. manufactures and sells many products targeted at consumers which, like any electronic apparatus, in general have the ability to emit and receive electromagnetic signals. One of Philips’ leading Business Principles is to take all necessary health and safety measures for our products, to comply with all applicable legal requirements and to stay well within the EMF standards applicable at the time of producing the products.
Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today. Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in standardisation for early integration in its products.

**Mains fuse (UK only)**

This TV is fitted with an approved moulded plug. Should it become necessary to replace the mains fuse, this must be replaced with a fuse of the same value as indicated on the plug (example 10A).

1. Remove fuse cover and fuse.
2. The replacement fuse must comply with BS 1362 and have the ASTA approval mark. If the fuse is lost, contact your dealer in order to verify the correct type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be detached from the mains cord cable.

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VESMA, FDMI and the VESA Mounting Compliant logo are trademarks of the Video Electronics Standards Association.

Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

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All other registered and unregistered trademarks are the property of their respective owners.

**BBE®**

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2 Important

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

Safety

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

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

Risk of damage to the TV!
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of injury, fire or power cord damage!
- Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.

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

Risk of injury or damage to the TV!
- Two people are required to lift and carry a TV that weighs more than 25 kg.
- When stand mounting the TV, use only the supplied stand. Secure the stand to the TV tightly. Place the TV on a flat, level surface that can support the combined weight of the TV and the stand.
- When wall mounting the TV, use only a wall mount that can support the weight of the TV. Secure the wall mount to a wall that can support the combined weight of the TV and wall mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that result in accident, injury or damage.

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

Risk of injury or damage to the TV!
- Two people are required to lift and carry a TV that weighs more than 25 kg.

Safety

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

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

Risk of damage to the TV!
- Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed on the back of the TV. Never connect the TV to the power outlet if the voltage is different.

Risk of injury, fire or power cord damage!
- Never place the TV or any objects on the power cord.
- To easily disconnect the TV power cord from the power outlet, ensure that you have full access to the power cord at all times.

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

Risk of injury or damage to the TV!
- Two people are required to lift and carry a TV that weighs more than 25 kg.
• When you disconnect the power cord, always pull the plug, never the cable.
• Disconnect the TV from the power outlet and antenna before lightning storms. During lightning storms, never touch any part of the TV, power cord or antenna cable.

Risk of hearing damage!
• Avoid using earphones or headphones at high volumes or for prolonged periods of time.

Low temperatures
• If the TV is transported in temperatures below 5°C, unpack the TV and wait until the TV temperature matches room temperature before connecting the TV to the power outlet.

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

Disposal of your old product and batteries

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

When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.

Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environment and human health.
**ECO-Green**

- **High energy efficiency**
- **Low standby power**
- **Designed to facilitate recycling**

Philips continuously focuses on lowering the environmental impact of its innovative consumer products. We aim our efforts towards environmental improvements during manufacturing, reduction of harmful substances, energy-efficient use, end-of-life instructions and product recycling. Thanks to our environmental effort, this TV has been awarded the European Ecolabel –the flower– www.ecolabel.eu

You can find detailed information on standby energy consumption, warranty policy, spare parts and recycling of this TV on the Philips website for your country at www.philips.com. This TV has features that contribute to energy-efficient use. This TV was awarded the European Ecolabel for its environmental qualities.

**Energy efficiency features**

- **Ambient light sensor**
  To save energy, the built-in Ambient light sensor lowers the brightness of the TV screen when the surrounding light darkens.

- **Energy saving**
  The [Standard] setting of the TV combines several TV settings that result in saving energy. See the [Smart settings] in the [Setup] menu.

- **Low standby power consumption**
  The class-leading and highly advanced power circuitry brings down the power consumption of the TV to an extremely low level, without losing out on the constant standby functionality.

**Power management**

The advanced power management of this TV ensures the most efficient use of its energy. You can check how your personal TV settings, the level of brightness in current onscreen pictures and the surrounding light conditions determine the relative power consumption. Philips continuously focuses on lowering the environmental impact of its innovative consumer products. We aim our efforts towards environmental improvements during manufacturing, reduction of harmful substances, energy-efficient use, end-of-life instructions and product recycling. Thanks to our environmental effort, this TV has been awarded the European Ecolabel –the flower– www.ecolabel.eu

You can find detailed information on standby energy consumption, warranty policy, spare parts and recycling of this TV on the Philips website for your country at www.philips.com. This TV has features that contribute to energy-efficient use. This TV was awarded the European Ecolabel for its environmental qualities.
3 Your product

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

TV overview

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

Side controls and indicators

1. POWER: Switches the product on or off. The product is not powered off completely unless it is physically unplugged.

2. P/CH +/-: Switches to the next or previous channel.

3. SOURCE: Selects connected devices.

4. VOLUME +/-: Increases or decreases volume.

5. Front LED indicator


Remote control

1. (Standby-On)
   - Switches the TV to standby if it is on.
   - Switches on the TV if it is in standby.
MHEG/TELETEXT
Toggles teletext on or off.

SOURCE
Selects connected devices.

Colour buttons
Selects tasks or options.

AD (Audio Descriptor)
UK only: Enables audio commentary for the visually handicapped. Not supported on all models.

PICTURE
Launches the picture menu. Not supported on all models.

SOUND
Launches the sound menu. Not supported on all models.

+/- (Volume +/-)
Increases or decreases volume.

BACK P/P (Previous channel)
Returns to the previous menu • Returns to the previous channel. • (UK only: Not supported on MHEG channels).

GUIDE
Accesses or exits the Electronic Programme Guide (EPG).

SCENEA (Wallpaper)
Displays wallpaper on your TV screen. Not supported on all models.

DEMO
Toggles the demonstration menu on or off.

TV
Switches back to the aerial source.

SUBTITLE
Enables or disables subtitles.

0-9 (Numeric buttons)
Selects a channel or setting.

PICTURE
Launches the picture menu. Not supported on all models.

SOUND
Launches the sound menu. Not supported on all models.

+/- (Volume +/-)
Increases or decreases volume.

BACKP/P (Previous channel)
• Returns to the previous menu screen. • Returns to the previous channel. (UK only: Not supported on MHEG channels).

GUIDE
Accesses or exits the Electronic Programme Guide (EPG).

SCENEA (Wallpaper)
Displays wallpaper on your TV screen. Not supported on all models.

DEMO
Toggles the demonstration menu on or off.

TV
Switches back to the aerial source.

SUBTITLE
Enables or disables subtitles.

*Controls the connected EasyLink-compliant device.
4 Use your product

This section helps you perform basic operations.

Switch your TV on/off or to standby

To switch on
- If the front LED indicator is off, press \( \Theta \) POWER at the side of the TV.
- If the front LED indicator is red, press \( \Theta \) (Standby-On) on the remote control.

To switch to standby
- Press \( \Theta \) (Standby-On) on the remote control.
  ➡️ The front LED indicator switches to red.

To switch off
- Press \( \Theta \) POWER at the side of the TV.
  ➡️ The front LED indicator switches off.

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

Switch channels

- Press P +/- on the remote control or P/CH +/- on the side of the TV.
- Enter a channel number using the Numeric buttons.
- Use the channel grid (see ‘Switch channels with the channel grid’ on page 10).

Note
- If you cannot locate your remote control and want to switch on the TV from standby, press P/CH +/- on the side of the TV.

Note
- When you use a favourite list, you can only select those channels in the list.
Switch channels with the channel grid
The channel grid allows you to view all available channels in a grid format.

Press OK.

1. Press OK.
   The channel grid appears.

2. Press the Navigation buttons to select a channel.

3. Press OK to confirm your choice.

Adjust TV volume

To increase or decrease volume
- Press +/-.
- Press VOLUME +/- on the side of the TV.

To mute or unmute sound
- Press * to mute the sound.
- Press * again to restore the sound.

Watch connected devices

Note
- Use the [Sound] menu to adjust headphone volume (see 'Manually adjust sound settings' on page 17).

Add a device to the home menu

Connect and switch on devices before adding them to the home menu.
1 Press (Home).
   ➔ The home menu appears.

2 Press the Navigation buttons to select [Add your devices].
3 Press OK.
   ➔ A message appears with [Start] selected, prompting you to start the add new device guide.

4 Press OK.
   ➔ Follow the on-screen instructions to select the type of device and where it is connected. When the guide is complete, a new device icon is added to the home menu.

Tip

- To avoid screen clutter, remove devices from the home menu when they are no longer connected (see ‘Remove devices from the home menu’ on page 13).

Select a device via the home menu

1 Press (Home).
   ➔ The home menu appears.
2 Press the Navigation buttons to select a device.
3 Press OK to confirm your choice.
   ➔ The TV switches to the selected device.

Select a device via the source list

1 Press SOURCE.
   ➔ The source list appears.
2 Press the Navigation buttons to select a device.
3 Press OK to confirm your choice.
   ➔ The TV switches to the selected device.

Use teletext

1 Press MHEG/TELETEXT.
   ➔ The teletext screen appears.

2 Select a page by:
   - Entering the page number with the Numeric buttons.
   - Pressing P +/- or the Navigation buttons to view the next or previous page.
   - Pressing the Colour buttons to select a colour coded item.
   - Pressing BACK to return to a previously viewed page.
3 Press MHEG/TELETEXT to exit teletext.
5 Use more of your product

Change language settings

Note

- Skip this step if your language settings are correct.

1 When watching TV, press (Home). The home menu appears.

2 Press the Navigation buttons to select [Setup]. The [Setup] menu appears.

3 Press the Navigation buttons to select [Installation] > [Languages] > [Menu language]. A list of languages appears.

4 Press the Navigation buttons to select a menu language.

5 Press OK to confirm your choice. The selected language is applied to the menu.

In addition to [Menu language], you can configure the following language settings via the [Languages] menu (digital channels only):

- [Primary subtitles]/[Secondary subtitles]
  Select primary and secondary subtitle languages for digital channels.

- [Primary teletext]/[Secondary teletext]
  Select primary and secondary teletext languages for digital channels.

- [Hearing impaired]
  Select [On] to display subtitles with primary and secondary audio languages.

- [Visually impaired]
  If available, select to hear additional audio commentary for the visually impaired through the options: [Speakers], [Headphones] or [Speakers + headphones]. Select [Off] to disable the feature.

- [Preferred audio format]
  Select [Advanced] for best sound reproduction from home theatre systems. Select [Standard] for best sound reproduction from the TV speakers and basic sound systems.

Access the home menu

The home menu gives you easy access to connected devices, picture and sound settings, and other useful features.

1 Press (Home). The home menu appears.

In addition to [Menu language], you can configure the following language settings via the [Languages] menu (digital channels only):

- [Primary audio]/[Secondary audio]
  Select primary and secondary audio languages for digital channels.
2 Press the Navigation buttons to select a home menu item:
- [Watch TV] Switches back to the aerial source if another source is selected.
- [Setup] Accesses menus to change picture, sound and other settings.
- [Add your devices] Adds new devices to the home menu.
- [Browse USB] If a USB storage device is connected, accesses the USB content browser.

3 Press OK to confirm your choice.

**Tip**
- Press • (Home) at any time to exit the home menu.
- Press ➔ BACK at any time to exit the [Setup] menu.
- Press ⏎ OPTIONS at any time to exit an options menu.

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### Remove devices from the home menu

If a device is no longer connected to the TV, remove it from the home menu.

1 Press • (Home).
   ➔ The home menu appears.

2 Press the Navigation buttons to select a device to remove.

3 Press OPTIONS.
   ➔ A list appears, with [Remove this device] selected.

4 Press OK.
   ➔ A message appears, prompting you to remove the device.

5 Press OK.
   ➔ The home menu appears, with the device removed.

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### Access the options menu

The options menu gives you quick access to the picture and sound experience bar and other useful features such as [Status]. The [Status] menu gives you an overview of current TV information.

1 When watching TV, press OPTIONS.
   ➔ The options menu appears.

2 Press the Navigation buttons to select an option.

3 Press OK.
   ➔ The menu of the selected option appears.

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### Access the setup menu

The [Setup] menu gives you access to picture, sound and other TV settings.

1 Press • (Home).
   ➔ The home menu appears.

2 Press the Navigation buttons to select [Setup].

3 Press OK.
   ➔ The [Setup] menu appears.
Change picture and sound settings

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

**Note**

- The flexibility to change settings is limited if the TV location is set to [Shop] mode. Set the TV location to [Home] mode to access all TV settings (see ‘Change TV preferences’ on page 30).

Use smart settings

Use smart settings to apply pre-defined picture and sound settings.

1. When watching TV, press \(\text{Home}\). ➞ The home menu appears.

2. Press the Navigation buttons to select [Setup].


4. Press the Navigation buttons to select [Smart settings].

5. Press OK. ➞ A list of smart settings appears.

6. Press the Navigation buttons to select:
   - [Personal] Sets the TV to your personal preferences set in the [Picture] and [Sound] menus in [Setup].
   - [Vivid] Applies rich and dynamic settings, ideal for daylight use.
   - [Natural] Applies a natural setting.
   - [Cinema] Applies settings for watching movies.
   - [Game] Applies settings for gaming.
   - [Standard] Applies the most energy conscious settings. Factory standard settings.

7. Press OK to confirm your choice. ➞ The smart setting is applied.

8. Press \(\text{BACK}\) to exit or press \(\text{Home}\) to go back to the home menu.

**Note**

- [Smart settings] is also accessible via the [Picture and sound] experience bar (see ‘Use the picture and sound experience bar’ on page 15).

Use settings assistant

Use the settings assistant to guide you through the picture and sound settings.

1. When watching TV, press \(\text{Home}\). ➞ The home menu appears.

2. Press the Navigation buttons to select [Setup].


4. Press the Navigation buttons to select [Picture] > [Settings assistant].

5. Press OK. ➞ A message appears prompting you to start the settings assistant.

6. Press the Navigation buttons to select [Start].

7. Press OK. ➞ Follow the on-screen instructions to choose your preferred picture and sound settings.
Use the picture and sound experience bar

Use the [Picture and sound] experience bar to access frequently used picture and sound settings.

Note

- All picture settings are available via the [Picture] menu (see ‘Manually adjust picture settings’ on page 15).
- All sound settings are available via the [Sound] menu (see ‘Manually adjust sound settings’ on page 17).

1 When watching TV, press OPTIONS. ➔ The options menu appears.

2 Press the Navigation buttons to select [Picture and sound]. ➔ The [Picture and sound] experience bar appears.

3 Press the Navigation buttons to select a picture or sound setting to adjust.

4 Press OK. ➔ The picture or sound setting menu appears.

5 Press the Navigation buttons to adjust the picture or sound setting.

6 Press OK to confirm your choice. ➔ The picture or sound setting is applied and the [Picture and sound] experience bar reappears.

7 Press BACK to exit.

The following settings can be configured via the [Picture and sound] experience bar.

- [Smart settings] Applies pre-defined picture and sound settings.
- [Colour] Adjusts colour saturation.
- [Contrast] Adjusts the intensity of bright areas, keeping dark areas unchanged.
- [Bass] Adjusts the bass level.
- [Treble] Adjusts the treble level.
- [TV speakers] Turns on or off TV speakers. If [Automatic (EasyLink)] is selected, the TV speakers are switched off when content from an EasyLink-compliant home theater system is detected.

Note

- [Bass] and [Treble] are not available if [TV speakers] are set to [Off].

Manually adjust picture settings

1 Press OPTIONS. ➔ The [Picture] menu appears.

2 Press the Navigation buttons and OK to select and adjust a picture setting.

3 Press BACK to exit.

Tip

- The [Picture] menu is also accessible via the [Setup] menu (see ‘Access the setup menu’ on page 13).
The following picture settings can be configured. Depending on the format of the picture source, some picture settings are not available.

- **[Settings assistant]** Use settings assistant to guide you through the best picture and sound settings.
- **[Contrast]** Adjusts the intensity of bright areas, keeping dark areas unchanged.
- **[Brightness]** Adjusts the intensity and details of dark areas.
- **[Colour]** Adjusts colour saturation.
- **[Hue]** Compensates colour variations in NTSC encoded transmissions.
- **[Sharpness]** Adjusts sharpness in the image.
- **[Noise reduction]** Filters and reduces noise in an image.
- **[Tint]** Adjusts the colour balance in an image.

**Note**

- Before you adjust **[Custom tint]**, select **[Tint] > [Custom]**, then press **OK** to enable the option.

- **[Custom tint]** Customises tint setting.
- **[Pixel Plus HD]/[Pixel Precise HD]** Accesses advanced settings:
  - **[Dynamic contrast]** Enhances contrast.
  - **[Dynamic backlight]** Adjusts brightness of the TV backlight to match lighting conditions.
  - **[MPEG artefact reduction]** Smoothes out transitions on digital pictures. You can switch this feature on or off.
  - **[Colour enhancement]** Makes colours more vivid and improves the details in bright colours. You can switch this feature on or off.
- **[PC mode]** Enables picture settings adjustment when a PC is connected to the TV via HDMI. If enabled, you can select **[Picture format] > [Unscaled]** which provides maximum detail for display of PC content.
- **[Light sensor]** Adjusts settings dynamically to match lighting conditions.
- **[Picture format]** Changes the picture format.
- **[Auto format mode]** Sets the picture format to automatically fill or automatically zoom into the screen.

**Tip**

- If **[Auto format mode]** is disabled, select **[Picture format] > [Auto format]** to enable the option.

- **[Picture shift]** Adjusts the position of the picture.

**Note**

- **[Colour]** and **[Contrast]** settings are also accessible via the [Picture and sound] experience bar (see ‘Use the picture and sound experience bar’ on page 15).

**Change picture format**

1. Press **FORMAT**. ➔ A list of picture formats appears.

2. Press the **Navigation buttons** to select a picture format.

3. Press **OK** to confirm your choice. ➔ The selected picture format is activated.
Tip
• Picture formats are also accessible via the [Setup] menu (see ‘Access the setup menu’ on page 13).

The following picture formats can be selected.

Note
• Depending on the picture source, some picture formats are not available and will not be seen on-screen.
• Before you adjust [Unscaled], select [Picture] > [PC mode] > [On], then press OK to enable the option.

[Auto format] Enlarges the picture to fill the screen (subtitles remain visible). Recommended for minimal screen distortion (but not for HD or PC).

[Super zoom] Removes the black bars on the sides of 4:3 broadcasts. Not recommended for HD or PC.

[Movie expand 16:9] Scales the classic 4:3 format to 16:9. Not recommended for HD or PC.

[Wide screen] Stretches the classic 4:3 format to 16:9.

[Unscaled] Provides maximum detail for PC. Only available when [PC mode] is enabled in the [Picture] menu.

Manually adjust sound settings
1. Press ► SOUND.
   • The [Sound] menu appears.

2. Press the Navigation buttons and OK to select and adjust a sound setting.
3. Press ◄ BACK to exit.

Tip
• The [Sound] menu is also accessible via the [Setup] menu (see ‘Access the setup menu’ on page 13).

The following sound settings can be configured. Depending on the broadcast, some sound settings may not be available.
• [Bass] Adjusts the bass level.
• [Treble] Adjusts the treble level.
• [Volume] Adjusts the volume.

Note
• Before you adjust [Volume - Visually impaired], enable [Visually impaired]. When watching TV, press OPTIONS and select [Visually impaired]. Select a preferred option and press OK.

• [Volume - Visually impaired] Sets the mix of visually impaired audio with regular audio. When available, visually impaired audio includes audio descriptions of on-screen action. You can also enable this by pressing AD (Audio Descriptor).
• [Audio language] (Digital channels only) Selects between audio languages when multiple languages are broadcast.
• [Dual I-II] (Analogue channels only) Selects between audio languages when dual sound is broadcast.
Press the Navigation buttons to select an option:

- **[Freeze page]** Freezes the current page.
- **[Dual screen]/[Full screen]** Enables and disables dual screen teletext.
- **[Reveal]** Hides or reveals hidden information on a page, such as solutions to riddles or puzzles.
- **[Cycle subpages]** Cycles through subpages automatically if subpages are available.
- **[Language]** Switches to a different language group to display a language correctly when it uses a different character set.

4 Press **OK** to confirm your choice.

$$\Rightarrow$$ The teletext screen appears.

**Tip**

- Press **OPTIONS** at any time to exit the options menu.

**Use advanced teletext features**

**Access the teletext options menu**

Access the teletext features through the teletext options menu.

1 Press **MHEG/TELETEXT**.

$$\Rightarrow$$ The teletext screen appears.

2 Press **OPTIONS**.

$$\Rightarrow$$ The teletext options menu appears.

**Select teletext subpages**

A teletext page can hold several subpages. Subpages are displayed on a bar next to the main page number.

**Note**

- Enable cycling of subpages before selecting subpages (see ‘Access the teletext options menu’ on page 18).
1 Press MHEG/TELETEXT. ➔ The teletext screen appears.

2 Select a teletext page.

3 Press ◄ or ► to select a subpage. ➔ The subpage appears.

Press: • ▲▼ to scroll up and down the enlarged screen. • FORMAT to return to normal screen size.

Select T.O.P. teletext broadcasts

Table Of Pages (T.O.P.) teletext broadcasts allow you to jump from one subject to another without using page numbers. T.O.P. teletext is not broadcast on all TV channels.

1 Press MHEG/TELETEXT. ➔ The teletext screen appears.

2 Press INFO. ➔ The T.O.P. overview appears.

3 Press the Navigation buttons to select a subject.

4 Press OK to confirm your choice. ➔ The teletext page appears.

Use Teletext 2.5

Teletext 2.5 offers more colours and better graphics than normal teletext. If Teletext 2.5 is broadcast by a channel, it is switched on by default.

1 When watching TV, press OPTIONS. ➔ The options menu appears.

2 Press the Navigation buttons to select [Setup].

3 Press OK. ➔ The [Setup] menu appears.

4 Press the Navigation buttons to select [Installation] > [Preferences] > [Teletext 2.5] > [On] or [Off]. ➔ Teletext 2.5 is enabled or disabled.

5 Press ➔ BACK to exit or press (Home) to go back to the home menu.

Search teletext

Search a teletext page by subject or word.

1 Press MHEG/TELETEXT. ➔ The teletext screen appears.

2 Press OK to highlight the first word or number.

3 Press the Navigation buttons to skip to the word or number to search.

4 Press OK to begin the search.

5 Press ▲ until no word or number is highlighted to exit the search.

Create and use lists of favourite channels

You can create lists of your preferred TV channels so that you can find those channels easily.

Note

• Digital radio stations can also be added to favourite lists, if supported.

View only channels in a favourite list, or view all channels if a favourite list is currently selected.

1 When watching TV, press OK. ➔ The channel grid appears.

2 Press OPTIONS. ➔ The options menu appears.

Enlarge teletext pages

For more comfortable reading, you can enlarge the teletext page.

1 Press MHEG/TELETEXT. ➔ The teletext screen appears.

2 Press FORMAT. ➔ The teletext screen is enlarged.

English EN
3 Press the Navigation buttons to select [Select list].

4 Press OK.
   ➔ The [Select list] menu appears.

5 Press the Navigation buttons to select:
   • [All] Displays all channels.
   • [Favourites] Displays channels in a selected favourite list.
   • [Radio] Displays radio channels only.
   • [Digital] Displays digital channels only.
   • [Analogue] Displays analogue channels only.

6 Press OK to confirm your choice.
   ➔ The selected list is applied to the channel grid.

Add or remove channels from a favourite list

Tip
   • Select [All] channels before adding a channel to a favourite list.

1 When watching TV, switch to the channel you want to add or remove from a favourite list. Alternatively, press OK to enter the channel grid and press the Navigation buttons to select the channel to add or remove.

2 Press OPTIONS.
   ➔ The options menu appears.

3 Press the Navigation buttons to select [Mark as favourite] or [Unmark as favourite].
   ➔ A star appears in the channel grid, indicating that the channel is added to the favourite list. The star disappears if you chose to remove the channel from the favourite list.

Reorder/rearrange and rename channels

Reorder/rearrange channels
Reorder/rearrange channels in the grid to your desired location.

1 When watching TV, press OK.
   ➔ The channel grid appears.

2 Press OPTIONS.
   ➔ The options menu appears.

3 Press the Navigation buttons to select [Reorder], then press OK.
   ➔ An on-screen message appears. To continue, go to step 4.
   ➔ To cancel and exit, press OPTIONS and follow the on-screen instructions.

4 Press the Navigation buttons to select the channel to reorder in the grid.
   ➔ A box appears around the selected channel.
5 Press the Navigation buttons to move the channel to the desired location in the grid.
6 Press OK to confirm your choice.
   ➔ The channel is moved to the selected location.
7 Press ➔ BACK to exit the channel grid.

Rename channels
Rename channels in the TV channel list.
1 When watching TV, press OK.
   ➔ The channel grid appears.
2 Press the Navigation buttons to select a channel to rename.
3 Press ➔ OPTIONS.
   ➔ The options menu appears.
4 Press the Navigation buttons to select [Rename].
   ➔ An entry screen appears.
5 Press the Navigation buttons or Numeric buttons to edit the name, then press OK.
6 Once complete, press the Navigation buttons to select [Done].
   • To clear the name entered, select [Clear].
   • To cancel, select [Cancel].
7 Press OK to confirm [Cancel].
8 Press ➔ BACK to exit the channel grid.

Hide and unhide channels

Hide channels
Hide channels from the grid, to prevent unauthorised access.
1 When watching TV, press OK.
   ➔ The channel grid appears.
2 Press the Navigation buttons to select a channel to hide.
3 Press ➔ OPTIONS.
   ➔ The options menu appears.
4 Press the Navigation buttons to select [Hide channel].
5 Press OK to confirm your choice.
   ➔ The channel is hidden.
6 Press ➔ BACK to exit the channel grid.

Unhide channels
Display hidden channels.
1 When watching TV, press OK.
   ➔ The channel grid appears.
2 Press ➔ OPTIONS.
   ➔ The options menu appears.
3 Press the Navigation buttons to select [Show hidden channels].
4 Press OK.
   ➔ Hidden channels appear in the channel grid, but without channel information displayed. It is displayed as a black box.
5 Press the Navigation buttons to select the channel to unhide.
6 Press ➔ OPTIONS.
   ➔ The options menu appears.
7 Press the Navigation buttons to select [Unhide channel], then press OK.
   ➔ The channel is unhidden.

Note
• Repeat steps 5 through 7 to unhide other channels.
Use the Electronic Programme Guide

EPG is an on-screen guide available for digital channels. EPG allows you to:
- View a list of digital programmes being broadcast
- View upcoming programmes
- Group programmes by genre
- Set reminders when programmes start
- Set up preferred EPG channels

Switch on EPG

1. When watching TV, press GUIDE. The EPG menu appears.

2. Press:
   - The Navigation buttons to move around the screen.
   - INFO to view more information about a programme (see ‘View channel/programme information’ on page 22).

   • OPTIONS to view the options menu (see ‘Use the EPG options menu’ on page 22).

3. Press ➜ BACK to exit to the original channel, or press OK to exit to the selected channel.

View channel/programme information

1. When watching TV or when in EPG, press INFO. ➜ The programme information screen appears.

2. Press the Navigation buttons to navigate the screens.

3. Press INFO to exit back to the original channel or press ➜ BACK to exit to the EPG menu.

Use the EPG options menu

Use the EPG options menu to set or clear reminders, change day and access other useful EPG options.

1. When in EPG, press OPTIONS. ➜ The EPG options menu appears.

   • The EPG options are only accessible for 8 days of TV channel information.
2 Press the Navigation buttons and OK to select and adjust:
• [Set reminder]Sets programme reminders.
• [Clear reminder]Clears programme reminders.
• [Change day]Sets the EPG day. Select [Today], [Next day] or [Previous day].
• [Search by genre]Searches TV programmes by genre.
• [Scheduled reminders]Lists programme reminders.
• [Preferred channels]Sets preferred EPG channels.

3 Press OPTIONS to exit to the EPG options menu.

Use timers

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

Automatically switch the TV to standby (sleep timer)
Sleep timer switches the TV to standby after a pre-defined period of time.

Tip
• You can always switch off your TV earlier or reset the sleeptimer during the countdown.

1 When watching TV, press (Home). The home menu appears.

2 Press the Navigation buttons to select [Setup].

3 Press OK. The [Setup] menu appears.

4 Press the Navigation buttons to select [Features] > [Sleeptimer]. The [Sleeptimer] menu appears.

5 Press the Navigation buttons to set the sleep time.

6 Press OK to activate the sleeptimer. The TV switches to standby after the set period of time.

7 Press BACK to exit or press (Home) to return to the home menu.

Use child and rating locks

You can prevent your children from watching TV by locking the TV and using age ratings.

Set or change the child lock code
1 When watching TV, press (Home). The home menu appears.

2 Press the Navigation buttons to select [Setup].

3 Press OK. The [Setup] menu appears.

4 Press the Navigation buttons to select [Features] > [Set code]/[Change code]. The [Set code]/[Change code] menu appears.

5 Enter the code with the Numeric buttons.

6 Press OK. A message appears confirming that your code is set.

7 Press BACK to exit or press (Home) to go back to the home menu.

Tip
• If you forget your code, enter ‘8888’ to override any existing codes.
Lock or unlock the TV

Lock the TV to prevent access to all channels and connected devices.

1. When watching TV, press  (Home). 
   → The home menu appears.
2. Press the Navigation buttons to select [Setup].
3. Press OK. 
   → The [Setup] menu appears.
4. Press the Navigation buttons to select [Features] > [Child lock] > [Lock]/[Unlock].
   → A message appears prompting you to enter the child lock code.
5. Enter the child lock code with the Numeric buttons.
   → The [Child lock] menu appears.
6. Press the Navigation buttons to select [Lock]/[Unlock].
7. Press OK to confirm your choice.
   → All channels and connected devices are locked or unlocked.
8. Press  BACK to exit or press  (Home) to go back to the home menu.

Enable parental ratings

Note

- Parental rating is not available in all countries.

Set parental ratings

You can set your TV to display only programmes with age ratings higher than your child’s age.

1. When watching TV, press  (Home). 
   → The home menu appears.
2. Press the Navigation buttons to select [Setup].
3. Press OK. 
   → The [Setup] menu appears.
4. Press the Navigation buttons to select [Features] > [Parental rating].
   → A message appears prompting you to enter the child lock code.
5. Enter the child lock code with the Numeric buttons.
6. Press the Navigation buttons to select an age rating, then press OK to apply the setting.
   → All programmes beyond the selected age rating are blocked.
7. Press  BACK to exit or press  (Home) to go back to the home menu.
Use subtitles

You can enable subtitles for each TV channel. Subtitles are broadcast via teletext or DVB-T digital broadcasts. With digital broadcasts, you can select a subtitle language.

Enable or disable subtitles on analogue TV channels
1 Switch to an analogue TV channel.
2 Press MHEG/TELETEXT.
3 Enter the three-digit page number of the subtitle page with the Numeric buttons.
4 Press MHEG/TELETEXT to switch off teletext.
5 Press SUBTITLE.
   ➡ The [Subtitles] menu appears.

   Note
   • The [Subtitles] menu is also accessible via the [Setup] menu (see ‘Access the setup menu’ on page 13).

6 Press the Navigation buttons to select:
   • [On] Enables subtitles.
   • [Off] Disables subtitles.
   • [On during mute] Displays subtitles only when audio is muted.
7 Press OK to confirm your choice.
   ➡ Subtitles are enabled or disabled.
8 Press ➜ BACK to exit or press ➤ HOME to go back to the home menu.

   Note
   • Repeat this procedure to enable subtitles on each analogue channel.
   • If EasyLink is enabled, subtitles are not displayed when [On during mute] is selected (see ‘Enable or disable EasyLink’ on page 43).

Enable or disable subtitles on digital TV channels
1 Press SUBTITLE.
   ➡ The [Subtitles] menu appears.

2 Press the Navigation buttons to select:
   • [On] Enables subtitles.
   • [Off] Disables subtitles.
   • [On during mute] Displays subtitles only when audio is muted.
3 Press OK.
   ➡ Subtitles are enabled or disabled.
4 Press ➜ BACK to exit or press ➤ HOME to go back to the home menu.

Select a subtitle language on digital TV channels

   Note
   • When you select a subtitle language on a digital TV channel as described below, the preferred subtitle language set in the installation menu is temporarily overruled.

1 When watching TV, press ➤ HOME. 
   ➡ The home menu appears.
2 Press the Navigation buttons to select [Setup].
3 Press OK.
   ➡ The [Setup] menu appears.
4 Press the Navigation buttons to select [Features] > [Subtitle language].
   ➡ A list of subtitle languages appears.
5 Press the Navigation buttons to select a language.
6 Press OK to confirm your choice.
   ➡ The subtitle language is applied.

   Note
   • Select preferred subtitle languages in the [Languages] menu. Subtitles automatically appear in the preferred languages when enabled.
Use the TV clock

You can display a clock on the TV screen. The clock displays the current time using time data received from your TV service operator:

Display the TV clock

You can display a clock on the TV screen, displaying the current time.

1 When watching TV, press OPTIONS. ➔ The options menu appears.

2 Press the Navigation buttons to select [Clock].

3 Press OK to confirm your choice. ➔ The clock displays on the TV screen.

Note

• To disable the clock, repeat the procedure above.

Tip

• The clock is also accessible via the [Setup] menu (see ‘Access the setup menu’ on page 13).

Change the clock mode

By default, the clock mode is set to [Automatic], syncing the TV clock to Coordinated Universal Time (UTC). If your TV cannot receive UTC transmissions, set the clock mode to [Manual]. If clock mode is [Manual], time data is based on your current time zone (see ‘Step 1 Select your system’ on page 33) and daylight saving conditions (see ‘Enable or disable daylight saving’ on page 26).

1 When watching TV, press (Home). ➔ The home menu appears.

2 Press the Navigation buttons to select [Setup].

3 Press OK. ➔ The [Setup] menu appears.

4 Press the Navigation buttons to select [Installation] > [Clock] > [Auto clock mode]. ➔ The [Auto clock mode] menu appears.

5 Press the Navigation buttons to select [Automatic] or [Manual].

6 Press OK to confirm your choice. ➔ The clock mode is set.

Enable or disable daylight saving

If clock mode is set to [Manual], enable or disable daylight saving if required for your time zone.

1 In the [Clock] menu, press the Navigation buttons to select [Daylight saving]. ➔ The [Daylight saving] menu appears.

2 Press the Navigation buttons to select [Daylight saving time] or [Standard time].

3 Press OK to confirm your choice. ➔ Daylight saving is enabled or disabled for your time zone.

View photos, play music and watch video from a USB storage device

Caution

• Philips is not responsible if the USB storage device is not supported nor is it responsible for damage or loss of data from the device.

Your TV is fitted with a USB connector that enables you to view photos, listen to music or watch movies stored on a USB storage device.
Connect a USB storage device and enter the content browser

1 While the TV is on, connect the USB device to the USB port on the side of your TV. ➔ The USB content browser appears.

2 To exit from the USB content browser, press (HOME). ➔ The home menu appears.

Listen to music

1 In the USB content browser, press the Navigation buttons to select a song.
2 Press OK. ➔ The song starts to play in the music player.
3 Press:
   • P +/- to skip to the next or previous song.
   • or P +/- to fast-forward or rewind a song.
   • or P +/- to play or pause a song.
4 Press or OK to stop play and exit to the USB content browser.

Change slideshow settings

1 When viewing a slideshow, press OPTIONS. ➔ The options menu appears.
2 Press the Navigation buttons to select and adjust:
   • [Rotate] Rotates a picture.
   • [Repeat] Repeats the slideshow.
   • [Shuffle on] Displays pictures in the slideshow at random.
   • [Shuffle off] Disables random display of pictures in the slideshow.
   • [Slideshow speed] Sets the amount of time that a picture is shown.
   • [Slideshow transition] Sets the transition from one picture to the next.
3 Press OK to confirm your choice. ➔ The slideshow setting is applied.

Watch a slideshow of your photos

1 In the USB content browser, press the Navigation buttons to select a photo.
2 Press or OK. ➔ A slideshow begins from the selected image.
3 Press
   • or P +/- to pause the slideshow.
   • to move forward to the next image.
   • to stop the slideshow and return to the USB browser.
   • to go back or move forward to the next image.
   • or P +/- to stop the slideshow and return to the USB browser.

Note

- The USB content browser is also accessible by selecting [Browse USB] in the home menu.
- If you connect multiple USB storage devices via a USB hub, a message appears prompting you to select a device. Press the Navigation buttons to select the device, then press OK to confirm.
Change music settings

1 When in the music player, press OPTIONS.
   ➦ The options menu appears.
2 Press the Navigation buttons to select and adjust:
   • [Repeat] Repeats a song or an album.
   • [Shuffle on]/[Shuffle off] Enables or disables random play of songs.
3 Press OK to confirm your choice.
   ➦ The music setting is applied.

Disconnect a USB storage device

Caution

Follow this procedure to avoid damage to your USB storage device.

1 Press 🏐(HOME) to exit the USB content browser.
2 Wait five seconds before disconnecting the USB storage device.

Listen to digital radio channels

If digital broadcasting is available, digital radio channels are installed automatically during installation.

1 When watching TV, press OK.
   ➦ The channel grid appears.
2 Press OPTIONS.
   ➦ The options menu appears.
3 Press the Navigation buttons to select [Select list].
   ➦ The [Select list] menu appears.
4 Press the Navigation buttons to select [Radio].
5 Press OK.
   ➦ A list of available digital radio channels appears in the channel grid.
6 Press the Navigation buttons to select a radio channel.
7 Press OK.
   ➦ The selected digital radio channel plays through the TV speakers.

Watch video

1 In the USB content browser, press the Navigation buttons to select a video.
2 Press OK.
   ➦ The video starts to play in the video player.
3 Press:
   • P +/- to skip to the next or previous video.
   • ◄► to fast-forward or rewind a video.
   • ►II to play or pause a video.
4 Press ■ or OK to stop play and exit to the USB content browser.

Change video settings

1 When in the video player, press OPTIONS.
   ➦ The options menu appears.
2 Press the Navigation buttons to select and adjust:
   • [Small screen] Plays video in a small screen.
   • [Full screen] Plays video across the whole screen.
   • [Repeat] Repeats a video.
   • [Shuffle on]/[Shuffle off] Enables or disables random play of videos.
3 Press OK to confirm the setting change.
Use Scenea

Activate Scenea
You can use Scenea to display a picture as wallpaper on your TV. Make sure that the location of your TV is set to [Home] mode.

1. Press \ home\.
2. Select [Scenea], then press OK. ➞ The default or pre-loaded picture is displayed.

Note
• Note: If the sleep timer is off, the wallpaper is displayed for 240 minutes. Otherwise, it is displayed for the duration of the sleep timer (see ‘Automatically switch the TV to standby (sleep timer)’ on page 23).

Set a picture as Scenea

Note
• The file size of the picture must not be more than 1MB.

1. Connect the USB storage device to the TV.
2. Select [Browse USB], then press OK.
3. Select a picture, then press \.
4. Select [Set as Scenea], then press OK.
5. Select [Yes], then press OK.
6. Press any key to exit Scenea.

Update the TV software
Philips continuously tries to improve its products and we recommend that you update the TV software when updates are available. Check www.philips.com/support for availability.

Check the current software version

1. When watching TV, press \ home\.
   ➞ The home menu appears.
2. Press the Navigation buttons to select [Setup].
3. Press OK.
   ➞ The [Setup] menu appears.
4. Press the Navigation buttons to select [Software update] > [Current software info].
5. Press OK.
   ➞ The version of the current software is displayed.

Update software (from website)

Before performing this procedure be sure to:
• Set aside some time to complete the entire update.
• Have available a USB storage device with at least 256MB of storage space.
• Have access to a computer with a USB port and internet access.

1. When watching TV, press \ home\.
   ➞ The home menu appears.
2. Press the Navigation buttons to select [Setup].
3. Press OK.
   ➞ The [Setup] menu appears.
4. Press the Navigation buttons to select [Software update] > [Update now].
5. Press OK.
   ➞ The update assistant starts. Follow the on-screen instructions to complete the update.
Update software (digital broadcasts)

(Only available in some countries) If available, your TV can receive software updates via digital broadcasts.
If an update is available, a message appears prompting you to update the software. We strongly recommend that you update the software when prompted.
Follow the instructions below to update the software at a later stage.

1. When watching TV, press \( \text{Home} \).
   \( \text{Home} \) The home menu appears.

2. Press the Navigation buttons to select [Setup].

3. Press OK.
   \( \text{Setup} \) The [Setup] menu appears.

4. Press the Navigation buttons to select [Software update] > [Local updates].

5. Press OK.
   \( \text{Setup} \) The TV searches for available software updates via digital broadcasts.

Change TV preferences

1. When watching TV, press \( \text{Home} \).
   \( \text{Home} \) The home menu appears.

2. Press the Navigation buttons to select [Setup].

3. Press OK.
   \( \text{Setup} \) The [Setup] menu appears.

4. Press the Navigation buttons to select [Installation] > [Preferences].
   \( \text{Preferences} \) The [Preferences] menu appears.

5. Press the Navigation buttons to select and change:
   - [Location] Optimises TV settings for your location - home or shop.
   - [Volume bar] Displays the volume bar when you adjust the volume.
   - [Channel information] Displays information about the TV channel every time you switch channels.
   - [EasyLink] Enables one-touch play and one-touch standby between EasyLink-compliant devices.
   - [EasyLink Remote Control] When EasyLink is enabled, allows remote control key forwarding.
   - [Pixel Plus link] When EasyLink is enabled, automatically applies the best Pixel Plus setting if there is more than one (for example, if both your TV and DVD player support Pixel Plus).
   - [LightGuide brightness] Sets the brightness of the front LED indicator or LightGuide.
   - [Teletext 2.5] Enables or disables Teletext 2.5.

6. Press OK.
   \( \text{LightGuide brightness} \) The TV preference is applied.
Start a TV demo

(Not supported on MHEG channels)

1. When watching TV, press DEMO.  
   ➔ The demo menu appears.

2. Press the Navigation buttons to select a demo.

3. Press OK to start the demo.

4. Press DEMO or BACK to exit the demo.

Reset the TV to factory settings

Resetting your TV to factory settings restores default picture and sound settings. Channel installation settings remain the same.

1. When watching TV, press ‹ (Home).  
   ➔ The home menu appears.

2. Press the Navigation buttons to select [Setup].  
   ➔ The [Setup] menu appears.

3. Press the Navigation buttons to select [Installation] > [Factory reset].

4. Press OK.  
   ➔ TV settings are reset back to the factory default.
6 Install channels

The first time you set up your TV, you are prompted to select a menu language and to install TV and digital radio channels (if available). This chapter provides instructions on how to re-install and fine tune channels.

Automatically install channels

This section describes how to search and store channels automatically.

Install channels

Your TV searches and stores all available digital and analogue TV channels as well as all available digital radio channels.

1 In the [Channel installation] menu, press the Navigation buttons to select [Automatic installation].

2 Press OK.

A message appears prompting you to start channel installation.

3 Press the Navigation buttons to select [Start].

4 Press OK.

The channel update screen appears, with [Re-install channels] selected.

Caution

- Leave [Settings] unchanged unless your DVB-C provider supplies values for [Network frequency], [Network ID] or [Symbol rate].
- Setting [Frequency scan] to [Full scan] can extend installation time significantly.

Note

- If you have access to DVB-T and DVB-C, and want to view channels from both networks, you must perform channel installation twice — once for DVB-T and once for DVB-C. Select [Antenna] to install DVB-T channels and select [Cable] to install DVB-C channels.
- To switch between DVB-T and DVB-C channels (see ‘Access DVB-C and DVB-T channel networks’ on page 33).

1 Press OK.

Follow the onscreen instructions to complete channel installation. When channel installation is complete, [Done] is selected and a list of installed channels appears.

2 Press OK to confirm your choice.

The TV exits to the [Channel installation] menu.

Tip

- When digital TV channels are found, the list of installed channels may display empty channel numbers. You can rename, reorder or uninstall stored channels as described below.
Access DVB-C and DVB-T channel networks

This option appears only if your country supports DVB-C (Digital Video Broadcasting-Cable). If you have installed both DVB-C and DVB-T channels, you have to switch to the respective network to watch channels on that network.

1. When watching TV, press 🏡 (Home). ➔ The home menu appears.
3. Press the Navigation buttons to select [Installation] > [Channel installation] > [Antenna or Cable DVB] > [Antenna] or [Cable].
   - Select [Antenna] to access DVB-T (Digital Video Broadcasting-Terrestrial) channels.
   - Select [Cable] to access DVB-C (Digital Video Broadcasting-Cable) channels.
4. Press OK to confirm your choice.
5. Press ➔ BACK to exit. ➔ The TV switches to the selected network.

Manually install channels

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

Step 1 Select your system

- Note
  - Skip this step if your system settings are correct.

1. When watching TV, press 🏡 (Home). ➔ The home menu appears.
3. Press the Navigation buttons to select [Installation] > [Channel installation] > [Analogue: Manual installation] > [System].
4. Press OK. ➔ A list of regional systems appears.
5. Press the Navigation buttons to select your country or region.
6. Press OK to confirm your choice. ➔ The selected country or region is applied.
Step 2 Search and store new TV channels

1 In the [Analogue: Manual installation] menu, press the Navigation buttons to select [Find channel].

2 Press OK.
   ➞ The [Find channel] menu appears.

3 Press:
   • The Navigation buttons or Numeric buttons to manually enter the channel frequency.
   • The Navigation buttons to select [Search next], then press OK to automatically search for the next channel.

4 When the correct channel frequency is selected, press the Navigation buttons to select [Done].

5 Press OK.

6 Press the Navigation buttons to select [Store current channel] to store the new channel under the current channel; or [Store as new channel] to store the new channel under a new channel number.

7 Press OK to confirm your choice.
   ➞ The channel is stored.

Fine-tune analogue channels

You can fine tune analog channels manually when reception is poor.

1 When watching TV, select the channel to fine-tune.

2 Press ◀ (Home).
   ➞ The home menu appears.

3 Press the Navigation buttons to select [Setup].

4 Press OK.
   ➞ The [Setup] menu appears.

5 Press the Navigation buttons to select [Installation] > [Channel installation] > [Analogue: Manual installation] > [Fine tune].

6 Press OK.
   ➞ The [Fine tune] menu appears.

7 Press the Navigation buttons or Numeric buttons to manually enter the channel frequency.

8 When the correct channel frequency is selected, press the Navigation buttons to select [Done], then press OK.

9 Press the Navigation buttons to select [Store current channel] to store the new channel under the current channel.

10 Press OK to confirm your choice.
Manually update the channel list

If your TV is in standby mode, an update is performed every morning. This update matches channels stored in your channel list with those available from your broadcaster. In addition to this automatic update, you can manually update the channel list.

Note
- To disable the automatic update, in the [Installation] menu, press the Navigation buttons to select [Channel installation] > [Channel update in standby], then select [Off].

1 In the [Installation] menu, press the Navigation buttons to select [Channel installation] > [Automatic installation].
2 Press OK.
   ➔ A message appears with [Start] selected, prompting you to start the channel update.
3 Press OK.
   ➔ The channel update screen appears.
4 Press the Navigation buttons to select [Update channels].
5 Press OK.
   ➔ Follow the on-screen instructions to complete channel update. When the update is complete, [Done] is selected and a list of added channels is displayed.
6 Press OK.
   ➔ The [Installation] menu appears.

Test digital reception

You can check the quality and signal strength of digital channels. This allows you to reposition and test your antenna or satellite dish.

1 In the [Installation] menu, press the Navigation buttons to select [Channel installation] > [Digital: Reception test] > [Search].
2 Press OK.
   ➔ The [Search] menu appears.
3 Press:
   - The Navigation buttons or Numeric buttons to manually enter the channel frequency.
   - The Navigation buttons to select [Search], then press OK to automatically search for the next channel.
   If the signal quality and strength is poor, reposition the antenna or satellite dish and retest.
4 When complete, press the Navigation buttons to select [Done].
5 Press OK.
   ➔ The [Installation] menu appears.

Note
- If you have further problems with the reception of your digital broadcast, contact a specialised installer.

Change startup message settings

Enable or disable messages that appear at the startup to indicate whether a channel or installation update is needed.

1 In the [Installation] menu, press the Navigation buttons to select [Channel installation] > [Channel update message].
2 Press OK.
3 Press the Navigation buttons to select [On] or [Off].
   ➔ Startup messages are enabled or disabled.
7 Connect devices

For best picture quality, we recommend you to use the following connection types, listed below from highest to basic quality:

1. HDMI
2. Y Pb Pr (component)
3. SCART
4. VIDEO (composite)

Note

• The connectivity diagrams provided in this section are examples only. Other types of connections are possible.

Back connectors

1. EXT 1 / EXT 2 (SCART)
   Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.

2. SPDIF OUT
   Digital audio output to home theatres and other digital audio systems.

Note

• Back connectors on 19-22” models vary slightly from the diagram.
• The number of HDMI connectors available varies according to TV model.
3. **AUDIO OUT L/R**
   Analogue audio output to home theatres and other audio systems.

4. **VGA**
   Video input from a computer.

5. **AUDIO IN**
   Audio input from devices that require a separate audio connection, such as a computer.

6. **EXT 3 (Y Pb Pr and AUDIO L/R)**
   Analogue audio and video input from analogue or digital devices such as DVD players or game consoles.

7. **HDMI 1/2/3**
   Digital audio and video input from high-definition digital devices such as Blu-ray players.

**Note**
- Only one HDMI connector is available on 19/22” models. The HDMI connector on these models is labelled as **HDMI** instead of **HDMI 1**.
TV ANTENNA
Signal input from an antenna, cable or satellite.

Side connectors
Refer to the correct connector diagram for your TV screen size:

26-52"

1. AUDIO IN L/R
Audio input from analogue devices connected to VIDEO or S-VIDEO.

19-22"

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

S-VIDEO
Video input from analogue devices such as satellite receivers.

Stereo audio output to headphones or earphones.

COMMON INTERFACE
Slot for a Conditional Access Module (CAM).

USB
Data input from USB storage devices.

HDMI
Digital audio and video input from high-definition digital devices such as Blu-ray players.

SERV. U
For use by service personnel only.

---

Connect a computer

Before you connect a computer to the TV:
- Set the screen refresh rate on your computer to 60Hz.
- Select a supported screen resolution on your computer.
- Enable [PC mode] in the [Picture] menu (see ‘Manually adjust picture settings’ on page 15), and set the picture format to [Unscaled].

Connect a computer with one of the following connectors:

Note
- Connections via DVI or VGA require an additional audio cable.
- HDMI cable
- DVI-HDMI cable (rear HDMI and AUDIO IN)
- DVI-HDMI cable (side HDMI and AUDIO IN L/R)
- HDMI cable and HDMI-DVI adaptor (rear HDMI and AUDIO IN)
- HDMI cable and HDMI-DVI adaptor (side HDMI and AUDIO IN L/R)
- VGA cable

**Use a Conditional Access Module**

A Conditional Access Module (CAM) is provided by digital TV service operators to decode digital TV channels.

**Note**

- Refer to the documentation from your service operator on how to insert a smart card into the Conditional Access Module.
Assign a channel decoder

Before using a SCART digital channel decoder, select the channel to decode and assign the decoder to **EXT 1** or **EXT 2**.

1. While watching TV, press 🏡 (Home). ➞ The home menu appears.
2. Press the **Navigation buttons** to select **[Setup]**.
3. Press OK. ➞ The **[Setup]** menu appears.
4. Press the **Navigation buttons** to select **[Installation]** > **[Decoder]** > **[Channel]**.
5. Press the **Navigation buttons** to select **[Status]**, then the location of the decoder (eg. **EXT 1** or **EXT 2**).
6. Press OK to confirm your choice. ➞ The decoder is assigned.

Insert and activate a CAM

**Caution**

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

1. Switch off the TV.
2. Following the directions printed on the CAM, gently insert the CAM into the **COMMON INTERFACE** at the side of the TV.

3. Push the CAM in as far as it will go.
4. Turn on the TV and wait for the CAM to be activated. This may take several minutes. Do not remove the CAM from the slot when in use — removing the CAM will deactivate digital services.

Access CAM services

1. After inserting and activating the CAM, press OPTIONS. ➞ The options menu appears.
2. Press the **Navigation buttons** to select **[Common interface]**.
3. Press OK. ➞ A list of CAM applications appears.
4. Press the **Navigation buttons** to select a CAM application.
5. Press OK to confirm your choice. ➞ The selected CAM application is enabled.
Use Philips EasyLink

Your TV supports Philips EasyLink, which uses the HDMI CEC (Consumer Electronics Control) protocol. EasyLink-compliant devices that are connected through HDMI connectors can be controlled by a single remote control.

Note

- Philips does not guarantee 100% interoperability with all HDMI CEC devices.

Note

- The EasyLink-compliant device must be switched on and selected as the source.

EasyLink features

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.

One-touch standby
When you connect your TV to devices that support standby, you can use your TV remote control to put your TV and all connected HDMI devices in standby mode.

System audio control
When you connect your TV to HDMI CEC compliant devices, your TV can switch automatically to play audio from the connected device.

To use one-touch audio, you must map the audio input from the connected device to your TV.

You can use the remote control from the connected device to adjust the volume.

Remote control (RC) key forwarding
RC key forwarding allows you to control EasyLink-compliant devices using your TV remote control.

EasyLink buttons

You can control EasyLink-compliant devices with the following buttons on the remote control of your TV.

<table>
<thead>
<tr>
<th>Button</th>
<th>EasyLink function</th>
</tr>
</thead>
<tbody>
<tr>
<td>▶II (Play/Pause)</td>
<td>Starts, pauses or resumes playback on your EasyLink device.</td>
</tr>
<tr>
<td>■ (Stop)</td>
<td>Stops playback on your EasyLink device.</td>
</tr>
<tr>
<td>● (Record)</td>
<td>Starts or stops video recording on your EasyLink device.</td>
</tr>
<tr>
<td>◀ (Previous)</td>
<td>Searches backward on your EasyLink device.</td>
</tr>
<tr>
<td>▶ (Next)</td>
<td>Searches forward on your EasyLink device.</td>
</tr>
<tr>
<td>0-9 (Numeric buttons)</td>
<td>When EasyLink is enabled, selects a title, chapter or track.</td>
</tr>
<tr>
<td>▲▼ (Navigation buttons)</td>
<td>Navigates through the menus of your EasyLink devices.</td>
</tr>
<tr>
<td>OK</td>
<td>Activates a selection or accesses the menu of your EasyLink device.</td>
</tr>
<tr>
<td>OPTIONS</td>
<td>Displays the menus of your EasyLink device. Note that when ▶ (Home) is pressed, the TV menu is displayed.</td>
</tr>
<tr>
<td>TV</td>
<td>Switches back to the antenna source from EasyLink mode.</td>
</tr>
<tr>
<td>0(Standby-On)</td>
<td>When EasyLink is enabled, switches the TV and all EasyLink devices to standby. Press and hold 0 (Standby-On) for at least 3 seconds.</td>
</tr>
</tbody>
</table>
**Enable or disable EasyLink**

**Note**
- Do not enable Philips EasyLink if you do not intend to use it.

1. When watching TV, press (Home). ➔ The home menu appears.
3. Press the Navigation buttons to select [Installation] > [Preferences] > [EasyLink]. ➔ The EasyLink menu appears.
5. Press OK to confirm your choice. ➔ EasyLink is enabled or disabled.

**Enable or disable remote control key forwarding**

**Note**
- Enable EasyLink before enabling remote control key forwarding.

1. When watching TV, press (Home). ➔ The home menu appears.
3. Press the Navigation buttons to select [Installation] > [Preferences] > [EasyLink Remote Control].
4. Select [On], then press OK. ➔ RC key forwarding is enabled or disabled on the selected HDMI connector.

**Set TV speakers to EasyLink mode**

When you play content from an EasyLink compliant home theater, the TV speakers are automatically muted.

1. When watching content from an EasyLink device, press OPTIONS. ➔ The options menu appears.
3. Press the Navigation buttons to select [Automatic (EasyLink)].
4. Press OK to confirm your choice. ➔ The TV speakers are set to EasyLink mode.
5. Press OPTIONS to exit.

**Use a Kensington lock**

There is a Kensington security slot at the back of the TV. Prevent theft by looping a Kensington lock between the slot and a permanent object, such as a heavy table.
8 Product information

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

Supported display resolutions

Computer formats
- Resolution - refresh rate:
  - 640 x 480 - 60Hz
  - 800 x 600 - 60Hz
  - 1024 x 768 - 60Hz
  - 1280 x 1024 - 60 Hz (supported on full HD TVs only)
  - 1360 x 768 - 60Hz
  - 1600 x 1200 - 60Hz (supported on full HD TVs only)
  - 1920 x 1080 - 60Hz

Video formats
- Resolution - refresh rate:
  - 480i - 60Hz
  - 480p - 60Hz
  - 576i - 50Hz
  - 576p - 50Hz
  - 720p - 50Hz, 60Hz
  - 1080i - 50Hz, 60Hz
  - 1080p - 24Hz, 25Hz, 30Hz, 50Hz, 60Hz

Multimedia
- Supported storage device: USB (FAT or DOS-formatted; Mass Storage Class compliant only)
- Supported multimedia file formats:
  - Images: JPEG
  - Audio: MP3, LPCM
  - Video: MPEG1, MPEG2, H.264/MPEG-4 AVC

Note
- Multimedia file names must not exceed 128 characters.

Tuner/Reception/Transmission
- Antenna input: 75ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video playback: NTSC, SECAM, PAL
- DVB-T (Digital Video Broadcasting-Terrestrial) and DVB-C (Digital Video Broadcasting-Cable). See listed countries on the back of the TV

Remote control
- Type: PF03E09B/PF02E09B/PF02E09W
- Batteries: 2 x AAA (LR03 type)

Power
- Mains power: AC 220-240; 50Hz
- Standby power: < 0.15W
- Ambient temperature: 5 to 35 degrees Celsius
Supported TV mounts

To mount the TV, purchase a Philips TV mount or a VESA-compatible TV mount. To prevent damage to cables and connectors, be sure to leave a clearance of at least 2.2 inches or 5.5cm from the back of the TV.

⚠️ Warning

- Follow all instructions provided with the TV mount. Koninklijke Philips Electronics N.V. bears no responsibility for improper TV mounting that results in accident, injury or damage.

<table>
<thead>
<tr>
<th>TV screen size</th>
<th>Recommended VESA mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 inches/ 48 cm</td>
<td>VESA MIS-D 75, 4</td>
</tr>
<tr>
<td>22 inches/ 56 cm</td>
<td>VESA MIS-D 100, 4</td>
</tr>
<tr>
<td>26 inches/ 69 cm</td>
<td>VESA MIS-E 200, 100, 4</td>
</tr>
<tr>
<td>32 inches/ 81 cm</td>
<td>VESA MIS-F 200, 200, 4</td>
</tr>
<tr>
<td>37 inches/ 94 cm</td>
<td>VESA MIS-F 200, 200, 6</td>
</tr>
<tr>
<td>42 inches/ 107 cm</td>
<td>VESA MIS-F 400, 400, 6</td>
</tr>
<tr>
<td>47 inches/ 119 cm</td>
<td>VESA MIS-F 400, 400, 8</td>
</tr>
<tr>
<td>52 inches/ 132 cm</td>
<td>VESA MIS-F 400, 400, 8</td>
</tr>
</tbody>
</table>

EPG information

8 days EPG is only available in some countries

<table>
<thead>
<tr>
<th>Country</th>
<th>8 days EPG</th>
</tr>
</thead>
<tbody>
<tr>
<td>UK</td>
<td>Yes</td>
</tr>
<tr>
<td>France</td>
<td>No</td>
</tr>
<tr>
<td>Finland</td>
<td>Yes</td>
</tr>
<tr>
<td>Sweden</td>
<td>Yes</td>
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<tr>
<td>Denmark</td>
<td>Yes</td>
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<tr>
<td>Norway</td>
<td>Yes</td>
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<tr>
<td>Spain</td>
<td>Yes</td>
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<tr>
<td>Germany</td>
<td>Yes</td>
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<tr>
<td>Italy</td>
<td>Yes</td>
</tr>
<tr>
<td>Greece</td>
<td>No</td>
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<tr>
<td>Netherlands</td>
<td>Yes</td>
</tr>
<tr>
<td>Czech Republic</td>
<td>Yes</td>
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<tr>
<td>Belgium</td>
<td>No</td>
</tr>
<tr>
<td>Austria</td>
<td>Yes</td>
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<tr>
<td>Switzerland</td>
<td>Yes</td>
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<tr>
<td>Estonia</td>
<td>Yes</td>
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<tr>
<td>Lithuania</td>
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<tr>
<td>Croatia</td>
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<tr>
<td>Hungary</td>
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<tr>
<td>Ireland</td>
<td>No</td>
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<td>Luxemburg</td>
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<td>Poland</td>
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<td>Portugal</td>
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<tr>
<td>Russia</td>
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<td>Slovakia</td>
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<tr>
<td>Slovenia</td>
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<tr>
<td>Romania</td>
<td>No</td>
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<tr>
<td>Serbia</td>
<td>No</td>
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<tr>
<td>Latvia</td>
<td>No</td>
</tr>
<tr>
<td>Ukraine</td>
<td>No</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>No</td>
</tr>
<tr>
<td>Kazakhstan</td>
<td>No</td>
</tr>
</tbody>
</table>
9 Troubleshooting

This section describes commonly encountered issues and accompanying solutions.

General TV issues

The TV does not switch on:
- Disconnect the power cable from the power outlet. Wait for one minute then reconnect it.
- Check that the power cable is securely connected.

The TV does not respond to remote control or side controls when switched on
When the TV is switched on, the front LED indicator flashes for about 20 to 25 seconds. This is normal behaviour. During this time, the TV will not respond to the remote control or side controls. When a picture appears on-screen, the TV responds only to the following remote control buttons for the first few seconds:

+/- (VOLUME +/-), P +/- (Program +/-), Ø (MUTE) and Ø (Standby-On). All buttons can be used when the front LED indicator stops flashing.

The remote control is not working properly:
- Check that the remote control batteries are correctly inserted according to the +/- orientation.
- Replace the remote control batteries if they are flat or weak.
- Clean the remote control and TV sensor lens.

The standby light on the TV blinks red:
- Disconnect the power cable from the power outlet. Wait until the TV cools down before reconnecting the power cable. If the blinking reoccurs, contact Philips Consumer Care.

You forgot the code to unlock the child lock feature
- Enter ‘8888’.

The TV menu is in the wrong language.
- Change the TV menu to your preferred language (see ‘Change language settings’ on page 12).

When turning the TV on/off/to standby, you hear a creaking sound from the TV chassis:
- No action is required. The creaking sound is normal expansion and contraction of the TV as it cools down and warms up. This does not impact performance.

When the TV is in standby mode, a startup splash screen is displayed, then returns to standby mode.
- This is normal behavior. The startup screen is displayed when the TV is disconnected from the mains and reconnected.

TV channel issues

Previously installed channels do not appear in the channel list:
- Check that the correct channel list is selected.

No digital channels were found during the installation:
- Check that the TV supports DVB-T, DVB-T Lite or DVB-C in your country. See the listed countries on the back of the TV.

Picture issues

The TV is on, but there is no picture:
- Check that the antenna is properly connected to the TV.
- Check that the correct device is selected as the TV source.

There is sound but no picture:
- Check that the picture settings are correctly set.

There is poor TV reception from an antenna connection:
- Check that the antenna is properly connected to the TV.
• Loudspeakers, unearthed audio devices, neon lights, high buildings and other large objects can influence reception quality. If possible, try to improve the reception quality by changing the antenna direction or moving devices away from the TV.

• If reception on only one channel is poor, fine tune this channel.

There is poor picture quality from connected devices:
• Check that the devices are connected properly.
• Check that the picture settings are correctly set.

The TV did not save your picture settings:
• Check that the TV location is set to the home setting. This mode offers you the flexibility to change and save settings.

The picture does not fit the screen; it is too big or too small:
• Try using a different picture format.

The picture position is incorrect:
• Picture signals from some devices may not fit the screen correctly. Check the signal output of the device.

The picture from broadcasts is scrambled:
• You may need to use a Conditional Access Module to access content. Check with your operator.

An “e-sticker” banner displaying information appears on the TV display:
The TV is in [Shop] mode. Remove the e-sticker by setting the TV to [Home] mode. In the [Home] menu, select [Setup] > [Installation] > [Preferences] > [Location] menu. It is necessary to switch the TV to standby to ensure that the TV exits [Shop] mode completely.

Sound issues

There is a picture but sound quality is poor:

Note

• If no audio signal is detected, the TV automatically switches the audio output off — this 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.
• Check that the TV speakers setting is on in the sound menu.
• Check that the TV audio output is connected to the audio input on the HDMI CEC enabled/EasyLink-compliant HTS device. Sound should be heard from the HTS speakers.

There is a picture but the sound quality is poor:
• Check that the sound settings are correctly set.

There is a picture but sound comes from one speaker only:
• Verify that sound balance is set to the centre.
HDMI connection issues

There are problems with HDMI devices:
• Note that HDCP (High-bandwidth Digital Content Protection) support can delay the time taken for a TV to display content from a HDMI device.
• If the TV does not recognize the HDMI device and no picture is displayed, try switching the source from one device to another and back again.
• If there are intermittent sound disruptions, check that output settings from the HDMI device are correct.
• If you use an HDMI-to-DVI adapter or HDMI to DVI cable, check that an additional audio cable is connected to AUDIO L/R or AUDIO IN (mini-jack only).

You cannot use EasyLink features:
• Check that your HDMI devices are HDMI-CEC compatible. EasyLink features only work with devices that are HDMI-CEC compatible.

If a HDMI CDC/EasyLink-compliant audio device is connected to the TV and the TV does not display any mute or volume icon when the volume is muted, increased or decreased.
• This behavior is normal when a HDMI CEC/EasyLink-compliant device is connected.

USB connection issues

USB device content is not displayed:
• Check that the USB storage device is set to ‘Mass Storage Class’ compliant, as described in the storage device’s documentation.
• Check that the USB storage device is compatible with the TV.
• Check that the audio and picture file formats are supported by the TV.

Audio and picture files do not play or display smoothly
• The transfer performance of the USB storage device may limit the data transfer rate to the TV, causing poor playback.

Computer connection issues

The computer display on the TV is not stable:
• Check that your PC uses the supported resolution and refresh rate.
• Set the TV picture format to unscaled.

Contact us

If you cannot resolve your problem, refer to the FAQs for this TV at www.philips.com/support.

If the problem remains unresolved, contact Philips Consumer Care in your country as listed in this user manual.

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

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

A
advanced features
- batteries 5
- your product 5
analogue
- fine-tune 34
- manual install 33
audio balance 17
audio language 17
auto volume leveling 17

B
bass 17
batteries 44, 5, 46
bracket for wall mount 45
brightness
- picture 15

C
cables
- quality 36
channel decoder 41
channel grid
- access and change channels 10
channels
- favourite list 19
- hide channels 21
- install
  - automatic 32
  - manual 33
- rename 21
- reorder/rearrange 20
- switch channels 9
- test reception (digital channels) 35
tune 34, 34
child lock
- set or change code 23
- TV lock 24
clock
- change mode 26
- daylight saving 26
display 26
colour 15
Common Interface 40, 38
composite cable 36
computer
- technical specifications 44
Conditional Access Module 40
Conditional Access Module 40, 38
connect
- component 36
- composite 38
- HDMI 38
- overview 36
- PC 48
- quality 36
- SCART 36
- S-video 38
- technical specifications 44
- troubleshooting 48
- USB 27
connectors
- overview 36
- USB 36
- USB 38
contrast 15

digital channel
- access DVB-C and DVB-T networks 33
- subtitle language 25
- test reception 35
digital radio 28
digital services
- CAM 40
teletext 19, 11, 18
display
- resolution 44
Dual I-II 17
DVB-C and DVB-T
- access 33
E
EasyLink
   buttons  42
   disable  43
   enable  43
   features  42
   RC key forwarding  43
   TV speakers  43
environmental care  5

F
factory settings  31
favourites list
   create  19
   troubleshooting  46

H
HDMI
   connectors  38, 36
   troubleshooting  48
headphone volume  17
Home menu
   access  12
   remove devices  13
home mode  30
hue  15

I
install channels
   automatic  32
   manual  33

K
Kensington lock  43

L
language
   menu  12
   troubleshooting  46
light sensor  15
location  30
lock
   Kensington  43

M
menu
   home menu  12
   language  12
   setup menu  13
   teletext  18
   troubleshooting  46
Mono/Stereo
multimedia
   listen to music  27
   supported formats  44
   USB  26
   watch videos  28
music
   digital radio  28
   settings  28
   supported formats  44
   USB  27

O
on timer  23

P
PC mode  15
Personal Indentification Number or PIN code  46
photos
   slideshow  27
   supported formats  44
picture
   settings  15
picture and sound experience bar  15
picture format
   change  16
   troubleshooting  46
Pixel Plus  15
power  44, 46
product specifications  44
R
reception 35, 46
remote control 44, 5, 46
batteries 43
key forwarding 7
overview 44
technical specifications 46
troubleshooting 46

S
safety 4
SCART 36
screen care 5
settings 12
language 15
picture 17
sound 30
TV preferences 30
settings assistant 14
setup menu 13
sharpness 15
shop mode 30
sleep timer 23
smart settings 14
software 29
update 29
version 29
sound settings 17
SPDIF 36
speakers 17
standby 46
troubleshooting 46
subtitles 25
language 25
on analogue channel 25
on digital channel 25
surround sound 17
S-Video 38

T
Table of Pages 19
technical specifications 44
teletext 18
dual screen 18
enlarge pages 19
features 18
menu 18
search 19
subpages 18
Table of Pages 19
Teletext 2.5 19
use 11
timer 23
sleep timer 23
tint 15
transmission 46
troubleshooting 46
transporting 4
treble 17
troubleshooting 46
tuner 44
TV 9
standby 9
switch off 9
switch on 9

V
VGA 36
videos 44
supported formats 28
watch 28
visually impaired 17
volume 10
adjust 10
headphones 17
mute 10, 43
visually impaired 17

W
wall mount 4, 45
Television in the UK is going digital, bringing us all more choice and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

Please see the next page to find out when your area switches to digital.

Digital UK is the independent, non-profit organisation leading the process of digital TV switchover in the UK. Digital UK provides impartial information on what people need to do to prepare for the move to digital, and when they need to do it.

How the switchover affects your TV equipment:

Your new TV has a digital tuner built in, which means it is ready to receive the Freeview signal by simply plugging it into your aerial socket (check if you can get digital TV through your aerial now, or whether you’ll have to wait until switchover, at www.digitaluk.co.uk).

When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your TV in order to continue receiving your existing TV channels, and also to pick up new ones.
Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover. If you choose to connect your TV to satellite or cable with a digital box then it will not be affected by switchover, and you won’t need to re-tune.

If you have any questions, please contact your equipment supplier or call Digital UK on ... 0845 6 50 50 50 or visit www.digitaluk.co.uk

How to re-tune:

To find out how to re-tune your TV, check this user manual for details.

If you do not re-tune your channels when advised to do so by Digital UK, you may lose some or all of your channels until you do re-tune. You should re-tune your TV every few months to check for any new channels.

If you are missing any channels, it may be that they are not available in your area, or that your aerial needs upgrading.

When does switchover happen?

*Copeland switches on October 17, 2007

The exact date you switch depends on the transmitter you are served by. To check when you switch, go to Digital UK’s postcode checker on www.digitaluk.co.uk

Check your ITV news service or look at Teletext page 106 to see what TV region you’re in.

Visit us at digitaluk.co.uk
Call us on 0845 6 50 50 50†

† Calls charged at BT rate of 3p per minute daytime and 1p per minute evenings and weekends. Rates may vary for calls from non-BT lines.