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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 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.

Open source software
This television contains open source software.

Philips GBU Hospitality 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.

To obtain the source code, write to:
Philips Singapore Pte Ltd
- Philips GBU Hospitality
Software Development Manager
620A Lorong 1 Toa Payoh
Singapore 319762

This offer is valid for a period of 3 years after the date of purchase of this product.

Pixel characteristics
This LCD product has a high number of color pixels. Although it has effective pixels of 99.999% or more, black dots or bright points of light (red, green or blue) may appear constantly on the screen. This is a structural property of the display (within common industry standards) and is not a malfunction.

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

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

Philips is committed to develop, produce and market products that cause no adverse health effects. Philips confirms that if its products are handled properly for their intended use, they are safe to use according to scientific evidence available today.

Philips plays an active role in the development of international EMF and safety standards, enabling Philips to anticipate further developments in 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.

Copyright

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

© Kensington and Micro Saver are registered US trademarks of ACCO World Corporation with issued registrations and pending applications in other countries throughout the world. All other registered and unregistered trademarks are the property of their respective owners.
1 Important

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

1.1 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 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 this product at all times.
  - Never insert objects into the ventilation slots or other openings on the TV.
  - When the TV is swivelled, ensure that no strain is exerted on the power cord. Strain on the power cord can loosen connections and cause arcing.
  - Risk of short circuit or fire!
  - Never expose the remote control or batteries to rain, water or excessive heat.
  - Avoid force coming on the power plugs. Power plugs that are partly loosened 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 55 lbs.
  - If you stand mount 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 weight of the TV and stand.
  - The TV must be mounted on the wall bracket designed for this TV, and on a wall that can safely hold the weight of the TV. Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that results in accident or injury.
  - Risk of injury to children! Follow these precautions to prevent the TV fromtoppling 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 mounting surface.
    - Never place the TV on tall furniture (such as a bookcase) without anchoring both the furniture and TV to a suitable support (such as a concrete wall).
    - Educate children about the dangers of climbing on furniture to reach the TV.
  - Risk of overheating! Never install the TV in a confined space such as a bookcase. Always leave a space of at least four inches around the TV for ventilation. Ensure curtains or other objects never cover the ventilation slots on the TV.
  - Risk of injury, fire or power cord damage! Never place the TV or any objects on the power cord.
  - 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.

Never allow children to climb on or play with the TV.

Place the TV where it cannot be pushed, pulled over or knocked down.

If the TV is transported in temperatures below 5°C:
1. Remove the TV from the box.
2. Wait until the TV temperature matches the room temperature.
3. Install the TV.

### 1.2 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, teletext pages, black bars, stock market information, TV channel logos 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.

### 1.3 Recycling
- This product is designed and manufactured with high quality materials and components, which can be recycled and reused.

- This product is designed and manufactured for material recycling. 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:

- Never dispose this product with other household waste. Inform yourself or ask your dealer about local environmentally-safe recycling regulations. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.

- The remote control supplied with this product operates on batteries covered by the European Directive 2006/66/EC and cannot be disposed with normal household waste. Inform yourself about the local regulations on the separate collection of batteries.
2 Your TV

2.1 Connection overview

1. **EXT 1**
   First SCART connector for DVD players, VCRs, digital receivers, game consoles and other SCART devices. Supports Audio L/R, CVBS in/out, RGB

2. **EXT 2**

3. **EXT 3**
   Component video (Y Pb Pr) and Audio L/R input connectors for DVD players.

4. **SPDIF OUT**
   Sound output connectors for home theatres or other audio systems.

5. **SERV. U**
   Connector for service use (do not insert the headphones here)

6. **HDMI 1/2/3**
   HDMI input connectors for Blu-ray disc players, digital receivers, game consoles and other high-definition devices.

7. **AUDIO IN**
   Mini-jack connector for PC audio in (when connecting a PC via DVI-HDMI adaptor).

8. **TV ANTENNA**

9. **Smart Card slot**
   Slot for compatible 32 pin smart card.

10. **VGA In**
    Input connectors for PC or other devices.

11. **DATA 1 (RJ 12)**
    Port for system terminal connection.

12. **DATA 2 (RJ 45)**
    Port for system terminal connection.

13. **8 Ω [ ]**
    Connector for bathroom speaker. Use a stereo jack.
14. 🎧 (Headphones)
   Stereo mini-jack.

15. **AUDIO L/R**
   Audio L/R input connectors for composite and S-Video devices.

16. **VIDEO**
   Video input connector for composite devices

17. **S-VIDEO**
   S-Video input connector for S-Video devices.

18. **USB**
   USB connector for storage devices.

19. **HDMI**
   Additional HDMI connector for mobile high-definition devices.

20. **COMMON INTERFACE**
   Slot for Conditional Access Modules.

**Note**
Refer to the user manuals for the respective devices for details of connection.

---

### 2.1.1 Side controls and indicators

1. **POWER**
2. **PROGRAM +/-**
3. **MENU**
4. **VOLUME +/-**
5. Power indicator/remote control sensor
6. Clock
3 Remote control

For advanced information about the remote control, see Chapter 5 Remote control overview.

Guest mode remote control

For setup and configuration purposes.

Setup remote control

This remote control may be purchased separately for Institutional TV/Professional and Business Solutions features and SmartCard settings.
4 Get started

This section helps you position and install the TV.

4.1 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 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.

4.2 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.

Step 1 Purchase a VESA-compatible wall bracket

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

<table>
<thead>
<tr>
<th>TV screen size (inches/cm)</th>
<th>VESA-compatible wall bracket type (mm)</th>
<th>Special instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>22”/56 cm</td>
<td>Adjustable 100 x 100</td>
<td>None</td>
</tr>
<tr>
<td>26”/66 cm</td>
<td>Adjustable 100 x 200</td>
<td>None</td>
</tr>
<tr>
<td>32”/81 cm</td>
<td>Adjustable 300 x 300</td>
<td>The VESA-compatible bracket must be adjusted to 200 x 300 before securing to the TV</td>
</tr>
<tr>
<td>42”/107 cm or larger</td>
<td>Fixed 400 x 400</td>
<td>None</td>
</tr>
</tbody>
</table>

Step 2 Secure the VESA-compatible wall bracket to the TV

1. Locate the four mounting nuts at the back of the TV.
2. Continue with the instructions provided with your VESA-compatible wall bracket.
NOTE
When securing the VESA-compatible wall bracket to your TV, use M4 bolts for 26 inch models, M6 bolts for 32 inch models or M8 bolts for larger models (bolts not supplied).

4.3 Connect the antenna cable

1. Locate the **TV ANTENNA** connector at the back of the TV.

2. Connect one end of an 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.

4.4 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.

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.

**WARNING**
Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed under the cable cover.
To easily disconnect the TV from the power outlet, ensure that you have full access to the power cord at all times. When you disconnect the power cord, always pull the plug, never the cable.

4.5 Insert the remote control batteries

**Note**
Remote control is not supplied. Purchase remote control no. 22AV1105/10 from a Philips authorized supplier.
1. Slide the battery cover off the back of the remote control.

2. Insert the two supplied batteries (Size AAA, Type LR03). Be sure the + and - ends of the batteries line up with the markings inside the case.

3. Slide the cover back into position.

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

### 4.6 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.

#### 4.6.1 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. Switch 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.

#### 4.6.2 Access CAM services

1. Enter SETUP menu.

2. Press ▼ to select CONFIGURATION > SECURITY.

3. Press ▼ to select CI CARD and ► to select YES.
<table>
<thead>
<tr>
<th>SECURITY</th>
<th>STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEYBOARD LOCK</td>
<td>ALL</td>
</tr>
<tr>
<td>REMOTE CONTROL LOCK</td>
<td>NO</td>
</tr>
<tr>
<td>VIDEO OUT MUTE</td>
<td>NO</td>
</tr>
<tr>
<td>USB BREAKIN</td>
<td>NO</td>
</tr>
<tr>
<td>EPG</td>
<td>NO</td>
</tr>
<tr>
<td>TXT/MHEG</td>
<td>NO</td>
</tr>
<tr>
<td>CI CARD</td>
<td>YES</td>
</tr>
</tbody>
</table>

4. Press **MENU** or **M** to exit.
Remote control overview

**Note**
Remote control is not supplied. Purchase remote control no. 22AV1105/10 from a Philips authorized supplier.

This section provides a detailed overview of remote control no. 22AV1105/10.

1. **Switches the TV on from standby or back to standby.**

2. **GUIDE**
Toggles the Electronic Programme Guide on or off. Only active with digital channels.

3. **RADIO**
Accesses the radio channels.

4. **SUBTITLE**
Activates or deactivates subtitles.

5. **Colour keys**
Selects tasks, teletext pages or sets sleep timer.

6. **ALARM OFF**
Deactivates the alarm function. Only for models with clock display.

7. **OK**
Activates a setting.

8. **Navigation keys**
Up ▲, Down ▼, Left ◀ and Right ► keys navigate the menu.

9. **TELETEXT**
Toggles teletext on or off

10. **P +/-**
Switches to the next or previous channel.

11. **Number buttons**
Selects a channel, page or setting.

12. **Selects a picture format.**

13. **MHEG CANCEL**
Cancels digital text or interactive services (UK only).

14. **Mutes or restores sound.**

15. ** Increases or decreases volume.**

16. **MENU**
Toggles the menu on or off.

17. **ALARM ON**
Activates the alarm function. Only for models with clock display.

18. **PAY TV**
Accesses the Pay TV channels.

19. **INFO**
Accesses the Info channels.
6 Setup the TV

On-screen menus help you setup and install channels on the TV. This section describes how to navigate the menus.

6.1 Access setup menu

6.1.1 With guest mode remote control

1. Press 3, 1, 9, 7, 5, 3 and EXIT on the remote control within 20 seconds to display the SETUP menu.

Note
This is applicable only when SECURITY is set to STANDARD.

6.1.2 With setup remote control

1. Slide the slider at the side of the remote control to SETUP.
2. Press M to display the SETUP menu.

<table>
<thead>
<tr>
<th>PHILIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SETUP</td>
</tr>
<tr>
<td>LANGUAGE</td>
</tr>
<tr>
<td>COUNTRY</td>
</tr>
<tr>
<td>COMMUNICATION</td>
</tr>
<tr>
<td>NO. OF PROGRAMS</td>
</tr>
<tr>
<td>AUTO INSTALL</td>
</tr>
<tr>
<td>PROGRAM INSTALL</td>
</tr>
<tr>
<td>CONFIGURATION</td>
</tr>
<tr>
<td>CLOCK SETUP</td>
</tr>
<tr>
<td>CLONING/UPGRADE</td>
</tr>
<tr>
<td>HEALTHCARE</td>
</tr>
</tbody>
</table>

6.2 Select language

1. Enter SETUP menu.
2. Press > to select ENGLISH, FRANCAIS, DEUTSCH or ITALIANO.
3. Press MENU or M to exit.
6.3 Select country
1. Enter SETUP menu.
2. Press > to select your country.
3. Press MENU or M to exit.

6.4 Select communication source
1. Enter SETUP menu.
2. Press ▼ to select COMMUNICATION.
3. Press ► to enter COMMUNICATION.
4. Press ◄ or ► to select a setting.
   - **SP - SPI, SP - 12C, HM - LINK or SERIAL XPRESS**
     Select the type of connection link between the TV and the setup box.
   - **SMART RC**
     Select to access PAYTV channels via a special remote control. Contact your local PHILIPS sales representatives for details.
   - **OFF**
     Select to return to factory default.
5. Press ▼ to select ENABLE CARD SLOT.
6. Press ► to select YES to enable system card functions.
   See Section 8.2 Set Communication Source for details.
7. Press ▼ to select DCM TYPE.
8. Press ► to select GENERIC if SP - SPI or SP - 12C is selected or NO SOURCE SWITCHING if the setup box requires no source switching.
9. Press ▼ to select STORE.
10. Press ► to store all settings.
11. Press MENU or M to exit.

6.5 Set number of channels
1. Enter SETUP menu.
2. Press ▼ to select NO. OF PROGRAMS.
3. Press ► to enter NO. OF PROGRAMS.

4. Press ▲ or ▼ to select TV, PAYTV, INFO (Info channel) or RADIO.

5. Press the number buttons to set the number of channels for each type of channel.

Note
The maximum total number of channels that you can set for each type of channel is 250.

6. Press ▼ to select STORE.

7. Press ► to store all settings.

8. Press MENU or M to exit.

6.6 Install all channels automatically
1. Enter SETUP menu.

2. Press ▼ to select AUTO INSTALL.

3. Press ► to start installation.
   The installation may take a few minutes
   When complete, the first tuned channel appears on the TV.

6.7 Install individual channel manually
1. Enter SETUP menu.

2. Press ▼ to select PROGRAM INSTALL.

3. Press ► to enter PROGRAM INSTALL.

* Only available when the INPUT is TUNER.
4. Press ► to select the type of channel that you want to install: **TV, PAYTV, INFO or RADIO**.

5. Press the number buttons to select a channel number for the type of channel selected.

6. Press ▼ to select **INPUT**.

7. Press ► to select the type of input: **TUNER, AV1, AV2, SIDE AV, SIDE SVIDEO, CVI, CARD-CVBS, CARD-YC, CARD CVI, VGA, HDMI1, HDMI2, HDMI3 or SIDE HDMI**.

8. Press ▼ to select **SYSTEM**.

9. Press ► to select the type of system: **WEST EU, UK, EAST EU, FRANCE** or **DVB-T**.

10. Press ▼ to select **FREQUENCY**.

11. Press the number buttons to key in the frequency or press ► to start installation of channels. The searching will stop once a channel is found.

12. Press ▼ to select **CHANNEL OPTIONS**.

13. Press ► to enter **CHANNEL OPTIONS**.

14. Press ▼ to select **FINE TUNE** or **TELETEXT LANGUAGE**.

   - **FINE TUNE**
     Fine tunes the frequency when reception is bad.

   - **TELETEXT LANGUAGE**
     Selects **WEST EU, EAST EU, CYRILLIC** or **GREEK**.

15. Press **MENU** or **M** to return to the previous level.

16. Press ▲ or ▼ to select **LABEL** to name the channel.

17. Press ► to move to the next character space and press ▲ or ▼ to select a character. A maximum of nine characters can be selected.

18. Press **MENU** or **M** to end naming.

19. Press ▼ to select **STORE** and ► to confirm.

20. Press **MENU** or **M** to exit.
6.8 Switch off sound from audio or video source

1. Enter SETUP menu.
2. Press ▼ to select PROGRAM INSTALL > MUTE.
3. Press ► to switch to NONE (switch off sound for audio and video), AUDIO (switch off sound for audio only) or VIDEO (switch off sound for video only).

Note
When a channel is locked, LOCKED will appear on the TV screen. You need to unlock the channel before you can access it.

4. Press ◄ or ► or number buttons to adjust the frequency.
5. Press ▼ to select Store.
6. Press ► to store the fine tuned channel under the current channel number. Stored appears.
7. Press MENU or M to exit.

6.9 Lock or unlock a channel

1. Enter SETUP menu.
2. Press ▼ to select PROGRAM INSTALL > PROTECTION.
3. Press ► to select YES to lock the channel or NO to unlock a locked channel.

* Only available when the INPUT is TUNER.

4. Press ◄ or ► or number buttons to adjust the frequency.
5. Press ▼ to select STORE and ► to confirm.
6. Press MENU or M to exit.

6.10 Name or rename channels

1. Enter SETUP menu.
2. Press ▼ to select PROGRAM INSTALL > LABEL.
3. Press ► to move to the next character space and press ▲ or ◄ to select a character. A maximum of nine characters can be selected.

* Only available when the INPUT is TUNER.

4. Press MENU or M to end naming.
5. Press ▼ to select STORE and ► to confirm.
6. Press MENU or M to exit.

6.11 Configure settings

6.11.1 Switch on and OSD setting

1. Enter SETUP menu.
2. Press ▼ to select **CONFIGURATION > SWITCH ON/OSD**.

   ![PHILIPS]
   
   **SWITCH ON/OSD**
   
   WELCOME MESSAGE
   SWITCH ON PROGRAM STANDARD
   SWITCH ON VOLUME 30
   SWITCH ON PIC FMT WIDESCREEN
   POWER ON LAST STATUS
   VOLUME INDICATOR YES
   PROGRAM INDICATOR ALL

3. Press ▼ to select setting and ▲ increase or decrease level or to select options.
   - **WELCOME MESSAGE**
     Key in or delete the welcome message.
   - **SWITCH ON PROGRAM**
     Sets a channel at TV setup. If **STANDARD** is selected, the TV will switch to the last viewed channel at startup.
   - **SWITCH ON VOLUME**
     Sets the volume level at startup.
   - **SWITCH ON PIC FMT**
     Sets the picture format at startup.
   - **POWER ON**
     Selects the status (**STANDBY**, **FORCED ON**, **LAST STATUS** or **ON**) of the TV when switched on.
   - **VOLUME INDICATOR**
     Displays the volume indicator.
   - **PROGRAM INDICATOR**
     Displays the channel number, label or all.

4. Press **MENU** or **M** to exit.

6.11.2 Set picture or sound settings

1. Enter **SETUP** menu.
2. Press ▼ to select **CONFIGURATION > PICTURE** or **CONFIGURATION > SOUND**.

3. Press ▼ to select setting and ▲ increase or decrease level or to select options.
   - **SMART SETTING KEY** selects either **SMART SETTING** or **SPLIT AUDIO**.

4. Press **MENU** or **M** to exit.

6.12 Set security

1. Enter **SETUP** menu.
2. Press ▼ to select **CONFIGURATION > SECURITY**.

3. Press ▼ to select setting and ▲ increase or decrease level or to select options.
   - **SMART SETTING KEY** selects either **SMART SETTING** or **SPLIT AUDIO**.

4. Press **MENU** or **M** to exit.
3. Press ▼ to select setting and ► to select options.

- **SECURITY**
  Select **STANDARD** or **HIGH**.
  - **STANDARD**
    SETUP menu can be accessed by guest remote control with a security code.
  - **HIGH**
    SETUP menu can be accessed by setup remote control only.

- **KEYBOARD LOCK**
  Select **YES, ALL** or **NO**.
  - **YES**
    Lock all the TV’s control buttons except **POWER** button.
  - **ALL**
    Lock all the TV’s control buttons.
  - **NO**
    Unlock all the TV’s control buttons.

- **REMOTE CONTROL LOCK**
  Select **YES** to lock all buttons on the guest remote control.

- **AUDIO/VIDEO OUT**
  Select **TUNER, MONITOR** or **MUTE**.
  - **TUNER**
    Disable audio and video out signal from tuner.
  - **MONITOR**
    Disable audio and video out signal from monitor.
  - **MUTE**
    Disable audio and video out signal from all sources.

- **USB BREAKIN**
  - **ON**
    Enable plug and play auto detection of USB devices.
  - **OFF**
    Disable plug and play auto detection of USB devices.

- **EPG**
  Select **YES** to enable EPG function.

- **TXT/MHEG**
  Select **TXT, ALL** or **NO**.
  - **TXT**
    Select teletext only.
  - **ALL**
    Select both teletext or MHEG.
  - **NO**
    Select neither teletext or MHEG.

- **CI CARD**
  Select **YES** to enable Conditional Access Module to work. See Section 4.6 Prepare TV for digital services for details.

Press 4. **MENU or M** to exit.

### 6.13 Set control

1. Enter **SETUP** menu.
2. Press ▼ to select **CONFIGURATION > CONTROL**.

<table>
<thead>
<tr>
<th>CONTROL</th>
<th>PHILIPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUDIO/VIDEO MUTE</td>
<td>YES</td>
</tr>
<tr>
<td>SCRAMBLED CHANNEL</td>
<td>YES</td>
</tr>
<tr>
<td>STEP TUNING</td>
<td>YES</td>
</tr>
<tr>
<td>DIGIT TIME OUT</td>
<td>3.0</td>
</tr>
<tr>
<td>3 DIGIT TUNING</td>
<td>YES</td>
</tr>
<tr>
<td>AUTO SCART</td>
<td>ALL</td>
</tr>
<tr>
<td>ALWAYS RGB</td>
<td>AUTO</td>
</tr>
</tbody>
</table>

3. Press ▼ to select setting and ► to select options.

- **AUDIO/VIDEO MUTE**
  Select **YES** to mute the audio or video source if loss of signal transmission occurs.

- **SCRAMBLED CHANNEL**
  Select **YES** and scrambled channels received will be marked as ‘NOT SKIPPED’ or **NO** and scrambled channels received
will be marked as 'SKIPPED' at auto installation.

- **STEP TUNING**
  Select **YES** to enable tuning for each digit entry.

- **DIGIT TIMEOUT**
  Select 1 to 9.9 seconds for a channel to switch to another channel. The recommended and default setting is 3.0 seconds.

- **3 DIGIT TUNING**
  Select **YES** to enable tuning up to 3-digit channels.

- **AUTO SCART**
  Select **AV1 (EXT1)**, **AV2 (EXT2)**, **ALL**, **POWER SCART** or **NO**.
    - **AV1**
      Select the **AV1** channel when a scart cable is connected to the **AV1** connector.
    - **AV2**
      Select the **AV2** channel when a scart cable is connected to the **AV2** connector.
    - **ALL**
      Select the respective channel when a scart cable is connected to an AV connector.
    - **POWER SCART**
      Switch on the TV from standby mode automatically when a scart signal is detected. Switch the TV to standby mode automatically in the absence of a scart signal.
    - **NO**
      Disable **AUTO SCART** feature.

- **ALWAYS RGB**
  Select **AUTO**, **AV1**, **NO_RGB** or **NO**.
    - **AUTO**
      Allow RGB insertion in any sources.
    - **AV1**
      Allow RGB insertion in **AV1 (EXT1)** and other sources.
    - **NO_RGB**
      Disallow RGB insertion in any sources.
    - **NO**
      Allow RGB insertion in **AV1 (EXT1)** only.

6.14 Video adjustment

1. Enter **SETUP** menu.
2. Press ▼ to select **CONFIGURATION > VIDEO ADJUSTMENT**.

3. Press ▼ to select setting and ◄ ► or ► to select options.

6.15 Set energy saving

1. Enter **SETUP** menu.
2. Press ▼ to select **CONFIGURATION > ENERGY SAVING**.

3. Press ▼ to select setting and ► to select options.
• **LOW POWER STANDBY**
  Define the power consumption in standby mode.

  - **GREEN**
    The TV will enter a low standby mode to achieve minimum power consumption.

  - **FAST**
    The TV will enter a semi-standby mode to achieve fast power up.

  - **CLOCK**
    The TV will enter a low standby mode with 12V available for card slot or setup box.

  - **ESP**
    Select the period of time to switch off when TV does not receive any command. The time is between 1 to 99 hours.

  - **SMART POWER**
    Select **LOW, MEDIUM, HIGH** to activate the different levels of energy saving mode or **OFF** to deactivate the mode.

The clock display when the TV is in standby mode. Select **OFF** to switch off the display.

• **DISPLAY ON**
  Select level 1 to 5 for the brightness of the clock display when the TV is switched on. Select **OFF** to switch off the display.

• **TIME SETTING**
  Set the clock. Press the number buttons to key in the time.

• **TELETEXT TIME DOWNLOAD**
  Select **YES** to download the time for the clock via teletext. The clock will synchronise automatically to the correct time. Select **NO** to deactivate this feature. Make download channel equal to startup channel to minimize startup time.

• **BUZZER VOLUME**
  Set the volume of the alarm buzzer. Select **LOW** or **HIGH**. Select **OFF** to switch off buzzer.

### 6.16 Set clock

1. Enter **SETUP** menu.
2. Press ▼ to select **CLOCK SETUP**.
3. Press ► to enter **CLOCK SETUP**.

![PHILIPS CLOCK SETUP](image)

4. Press ▼ to select setting and ► to select options.

  - **DISPLAY STANDBY**
    Select level 1 to 5 for the brightness of
7 Clone configuration

7.1 From USB to TV

Copy TV configuration data from a USB stick to TV.

1. Insert the USB stick to the USB connector at the side of the TV.
2. Enter Setup menu.
3. Press ▼ to select SETUP > CLONING/UPGRADE > CLONING > USB TO TV.
4. Press ► to enter USB TO TV.
5. Press ► to load data to the TV.

Note
- During the process of copying, do not remove the USB stick.
- All remote control command and control buttons on the TV are disabled.
6. Switch off and then on to reset the TV after cloning.

7.2 From TV to USB

Copy TV configuration data from TV to USB stick.

1. Insert the USB stick to the USB connector at the side of the TV.
2. Enter Setup menu.
3. Press ▼ to select SETUP > CLONING/UPGRADE > CLONING > TV TO USB.
4. Press ► to enter TV TO USB.
5. Press ► to load data to the USB stick.

Note
- During the process of copying, do not remove the USB stick.
- All remote control command and control buttons on the TV are disabled.
6. Switch off and then on to reset the TV after cloning.
8 Healthcare

1. Enter SETUP menu.

2. Press ▼ to select HEALTHCARE.

3. Press ► to enter HEALTHCARE.

4. Press ▼ to select setting and ► to select options.

   • LOUDSPEAKER MUTE
     Select ON to switch off the loudspeaker. Select OFF to switch on the loudspeaker.

   • MULTI RC
     Select ON to enable TV to respond to multi remote controls. This function supports up to four TV sets operating in one room without interference from each other's remote control. Each guest remote control must be programmed individually to one of the four colour (blue, yellow, green or red) button on the remote control. Select OFF to disable this feature.

   • REMOTE COLOUR
     This feature works only when MULTI RC is switched to ON. Select Blue, Yellow, Green or Red to correspond to the colour of the remote control you will be using.
9 Install system devices

Caution
Before installing a System SmartCard or System Box, disconnect TV from mains.

9.1 System Smartcard

Note
Not applicable for 22 inch models.

1. Insert the SmartCard into the SmartCard slot on the back of the TV.
2. Connect the cables as instructed by the system provider.
3. Switch on the TV.

9.2 System Box

1. Insert the RJ12 cable of the System box to the DATA 1 connector on the back of the TV.
2. Connect the cables as instructed by the system provider.
3. Switch on the TV.

9.3 Set communication source

The default setting for COMMUNICATION in the SETUP menu is OFF. If a SystemCard or System Box is used with this TV, then you must set to the correct communication link.

1. Enter SETUP menu.
2. Press ▼ to select COMMUNICATION.
3. Press ▶ to enter COMMUNICATION.
4. Press ▶ to select the correct link.
5. Press ▼ to select ENABLE CARD SLOT.
6. Press ▶ to select YES.
7. Press ▲ to select STORE.
8. Press ▶ to confirm.
10 Trouble shooting

This section describes commonly-encountered issues and accompanying solutions.

10.1 Communication issues

The TV does not communicate with external interactive terminal:

- Select the appropriate communication source. See Section 6.4 Set communication source for details.
- Check that the card slot is enabled. See Section 4.6.2 Access CAM services for details.

10.2 Picture issues

Picture performance not at its optimum when using VGA or EXT 3 source

- Do not connect a VGA input and a EXT 3 input to the TV at the same time.

10.3 Other issues

The character 'F' appears on the TV screen.

This means that the TV is currently in factory mode.

- Press and hold the MENU button at the side of the TV or a few seconds. This will reset the TV to normal operation.

No respond from TV when using guest mode remote control.

This means that security has been set to HIGH.

- Select CONFIGURATION > SECURITY. Set SECURITY to STANDARD.
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