

Philips Professional and Business Solution



22HFL5550D

26HFL5850D

32HFL5850D

42HFL5850D

EN SETUP MANUAL

PHILIPS

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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



VESA, 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.

® 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 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 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

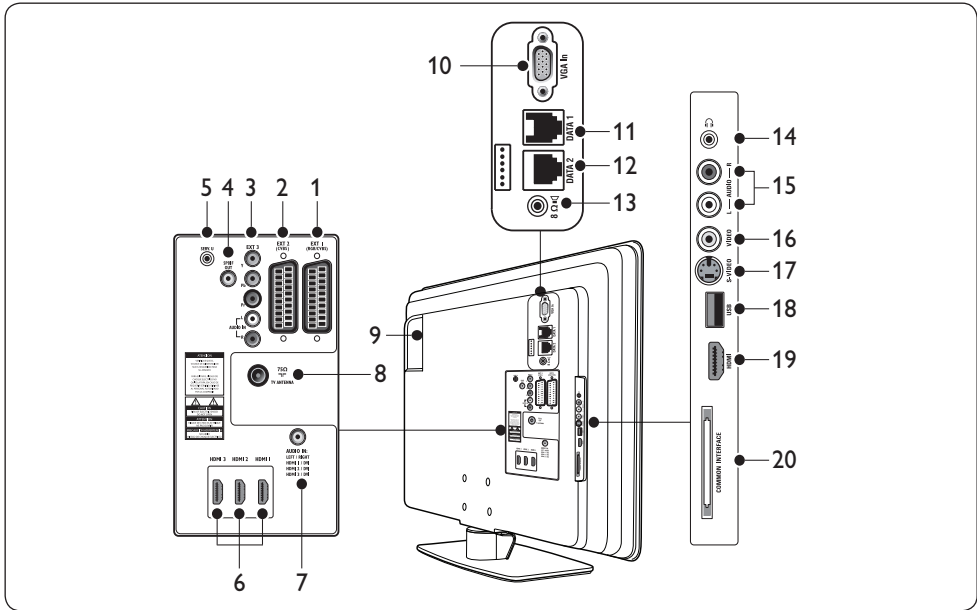
crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:



- 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**

Second SCART connector. Supports Audio L/R, CVBS in/out.

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**

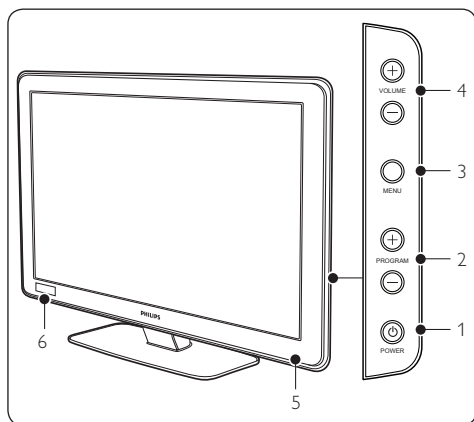
Connector for bathroom speaker. Use a stereo jack.

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 Remote control

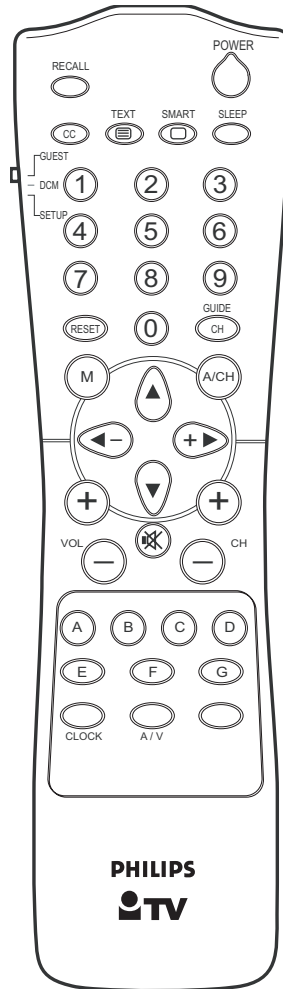
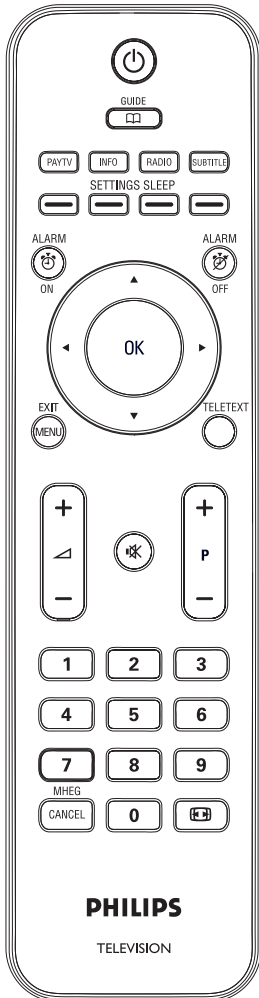
For advanced information about the remote control, see *Chapter 5 Remote control overview*.

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.



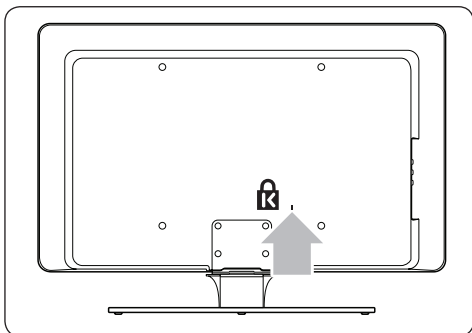
4 Get started

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.

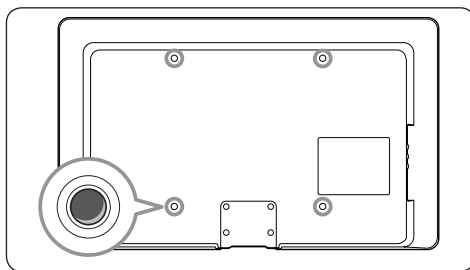
Step 1 Purchase a VESA-compatible wall bracket

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

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

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

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

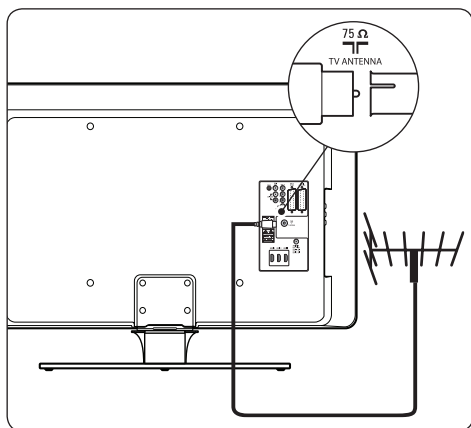


2. Continue with the instructions provided with your VESA-compatible wall bracket.

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

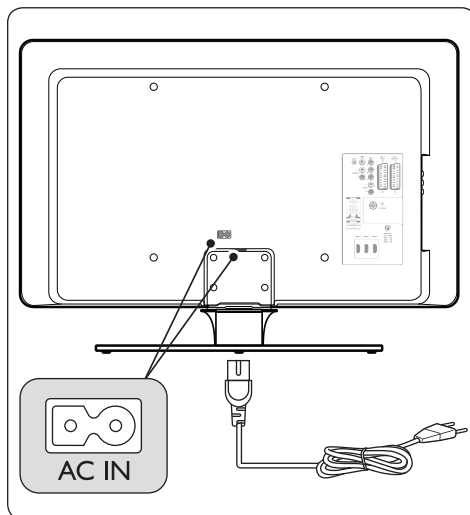
WARNING

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

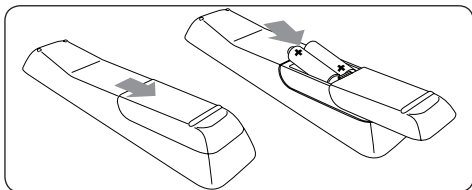
Before you connect the TV to the power outlet, ensure that the power voltage matches the value printed under the cable cover.

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.

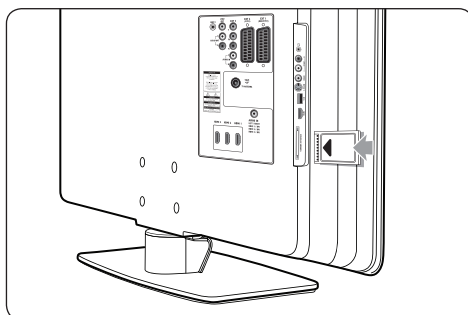
The CAM may enable several digital services, depending on the operator and services you choose (for example, pay TV). Contact your digital TV service operator for more information about services and terms.

4.6.1 Using the Conditional Access Module

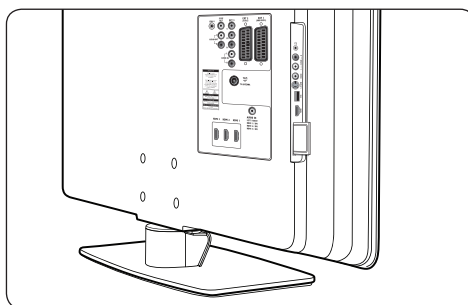
WARNING

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**.



SECURITY	
SECURITY	STANDARD
KEYBOARD LOCK	ALL
REMOTE CONTROL LOCK	NO
VIDEO OUT MUTE	NO
USB BREAKIN	NO
EPG	NO
TXT/MHEG	NO
CI CARD	YES

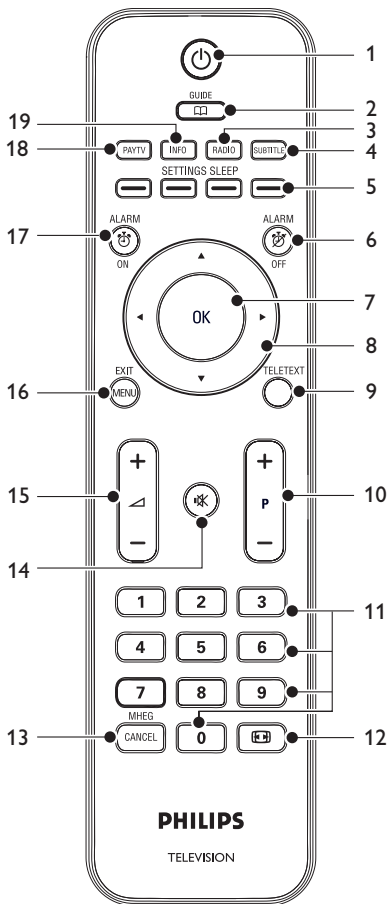
4. Press **MENU** or **M** to exit.

5 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. **Power**
Switches the TV on from standby or back to standby.

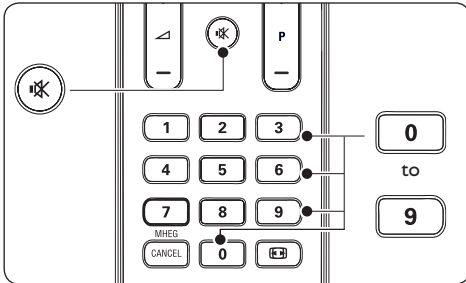
2. **GUIDE**
Toggles the Electronic Programme Guide on or off. Only active with digital channels.
3. **RADIO**
Accesses the radio channels.
4. **SUBTITLE**
Activates or deactivates subtitles.
5. **Colour keys**
Selects tasks, teletext pages or sets sleep timer.
6. **ALARM OFF**
Deactivates the alarm 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. **MHEG**
Selects a picture format.
13. **MHEG CANCEL**
Cancels digital text or interactive services (UK only).
14. **Mute**
Mutes or restores sound.
15. **Volume +/-**
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

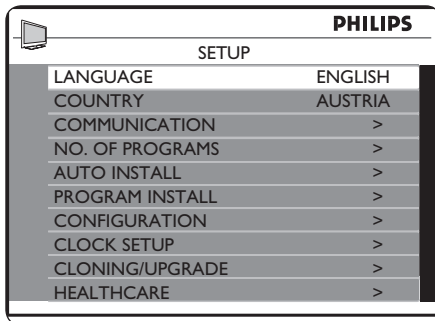
6.1.1 With guest mode remote control



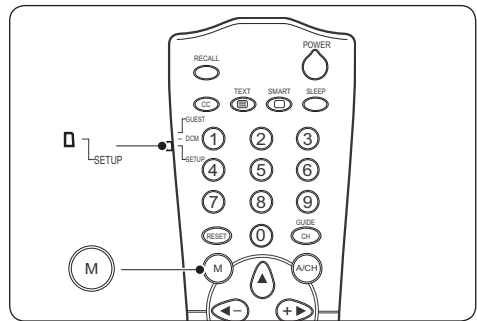
1. Press **3,1,9,7,5,3** and **M** on the remote control within 20 seconds to display the **SETUP** menu.

Note

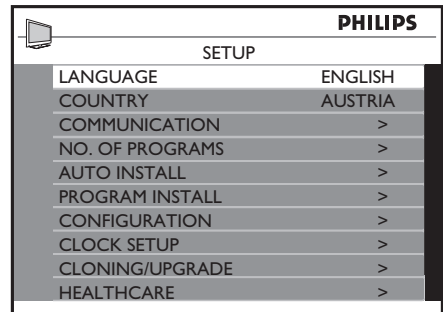
This is applicable only when **SECURITY** is set to **STANDARD**.



6.1.2 With setup remote control

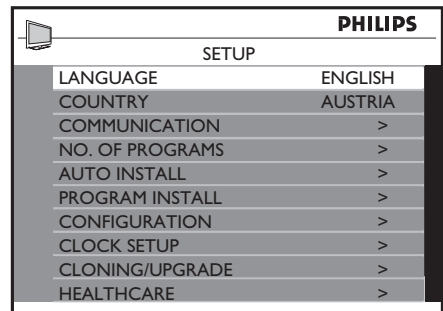


1. Slide the slider at the side of the remote control to **SETUP**.
2. Press **M** to display the **SETUP** menu.



6.2 Select language

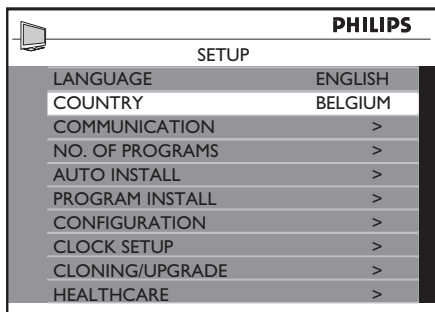
1. Enter **SETUP** menu.
2. Press **>** to select **ENGLISH, FRANCAIS, DEUTSCH** or **ITALIANO**.



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

6.3 Select country

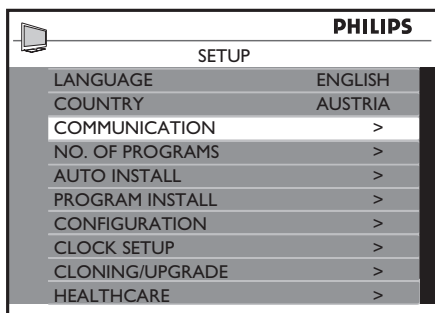
1. Enter **SETUP** menu.
2. Press **>** to select your country.



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

6.4 Select communication source

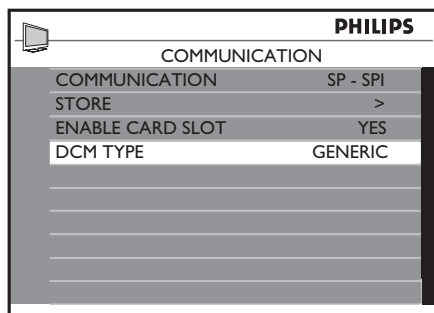
1. Enter **SETUP** menu.
2. Press **▼** to select **COMMUNICATION**.



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.

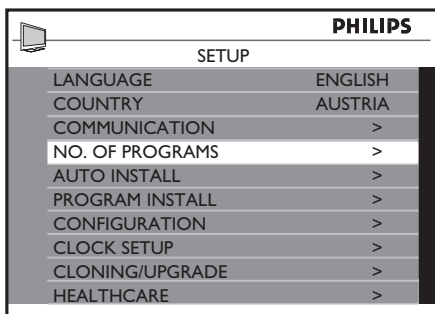
- **OFF**
Select to return to factory default.
5. Press **▼** to select **ENABLE CARD SLOT**.
 6. Press **▶** to select **YES** to enable system card functions.
See *Section 8.2 Set Communication Source* for details.
 7. Press **▼** to select **DCM TYPE**.
 8. Press **▶** to select **GENERIC** if **SP - SPI** or **SP - 12C** is selected or **NO SOURCE SWITCHING** if the setup box requires no source switching.



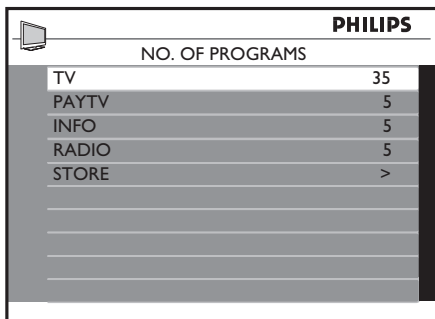
9. Press **▲** to select **STORE**.
10. Press **▶** to store all settings.
11. Press **MENU** or **M** to exit.

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.

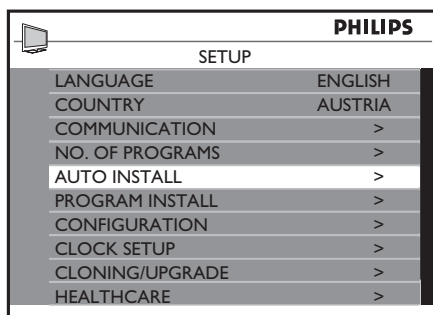
ⓘ Note

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

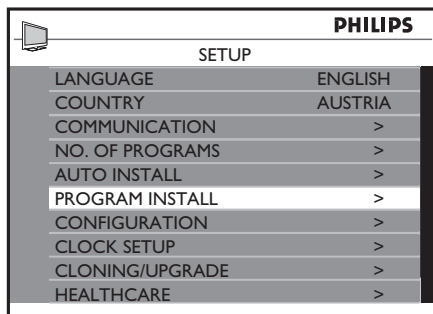
1. Enter **SETUP** menu.
2. Press ▼ to select **AUTO INSTALL**.



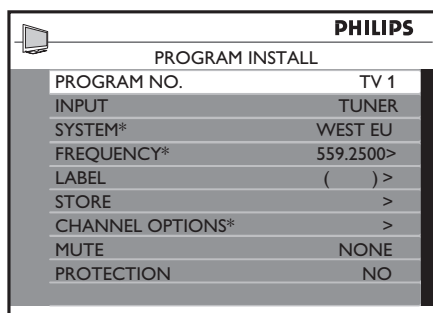
3. Press ► to start installation.
The installation may take a few minutes. When complete, the first tuned channel appears on the TV.

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.

PHILIPS	
PROGRAM INSTALL	
PROGRAM NO.	TV 25
INPUT	TUNER
SYSTEM*	WEST EU
FREQUENCY*	559.2500>
LABEL	()>
STORE	>
CHANNEL OPTIONS*	>
MUTE	NONE
PROTECTION	NO

* Only available when the INPUT is TUNER.

6. Press ▼ to select **INPUT**.

PHILIPS	
PROGRAM INSTALL	
PROGRAM NO.	TV 25
INPUT	TUNER
SYSTEM*	WEST EU
FREQUENCY*	559.2500>
LABEL	()>
STORE	>
CHANNEL OPTIONS*	>
MUTE	NONE
PROTECTION	NO

* Only available when the INPUT is TUNER.

7. Press ► to select the type of input: **TUNER, AV1, AV2, SIDE AV, SIDE VIDEO, 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**.

PHILIPS	
CHANNEL OPTIONS	
FINE TUNE	0
TELETEXT LANGUAGE	WEST EU

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).

PHILIPS	
PROGRAM INSTALL	
PROGRAM NO.	TV 25
INPUT	TUNER
SYSTEM*	WEST EU
FREQUENCY*	559.2500>
LABEL	()>
STORE	>
CHANNEL OPTIONS*	>
MUTE	AUDIO
PROTECTION	NO

* Only available when the INPUT is TUNER.

4. Press **▼** to select **STORE** and **▶** to confirm.
5. 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.

PHILIPS	
PROGRAM INSTALL	
PROGRAM NO.	TV 25
INPUT	TUNER
SYSTEM*	WEST EU
FREQUENCY*	559.2500>
LABEL	()>
STORE	>
CHANNEL OPTIONS*	>
MUTE	NONE
PROTECTION	YES

* Only available when the INPUT is TUNER.

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.

6.10 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.

PHILIPS	
PROGRAM INSTALL	
PROGRAM NO.	TV 25
INPUT	TUNER
SYSTEM*	WEST EU
FREQUENCY*	559.2500>
LABEL	(A_)>
STORE	>
CHANNEL OPTIONS*	>
MUTE	NONE
PROTECTION	NO

* 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.

- 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

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

6.11.2 Set picture or sound settings

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

PHILIPS	
PICTURE	
BRIGHTNESS	45
COLOUR	48
CONTRAST	30
SHARPNESS	50
TINT	36
ACTIVE CONTROL	YES

PHILIPS	
SOUND	
EQUALIZER	>
BALANCE	0
BALANCE	30
MIN VOLUME	0
MAX VOLUME	99
AVL	ON
SMART SETTING KEY	SMART SETTING
AUDIO SOURCE	>

- Press ▼ to select setting and ► increase or decrease level or to select options.
SMART SETTING KEY selects either **SMART SETTING** or **SPLIT AUDIO**.
- Press **MENU** or **M** to exit.

6.12 Set security

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

PHILIPS	
SECURITY	
SECURITY	STANDARD
KEYBOARD LOCK	ALL
REMOTE CONTROL LOCK	NO
AUDIO/VIDEO OUT	NO
USB BREAKIN	NO
EPG	NO
TXT/MHEG	NO
CI CARD	YES

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**

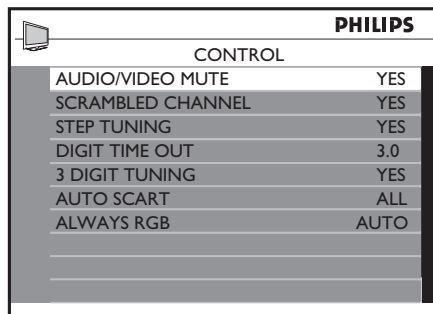
Select **YES** to enable Conditional Access Module to work. See *Section 4.6 Prepare TV for digital services* for details.

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

6.13 Set control

1. Enter **SETUP** menu.

2. Press ▼ to select **CONFIGURATION > CONTROL**.



PHILIPS	
CONTROL	
AUDIO/VIDEO MUTE	YES
SCRAMBLED CHANNEL	YES
STEP TUNING	YES
DIGIT TIME OUT	3.0
3 DIGIT TUNING	YES
AUTO SCART	ALL
ALWAYS RGB	AUTO

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

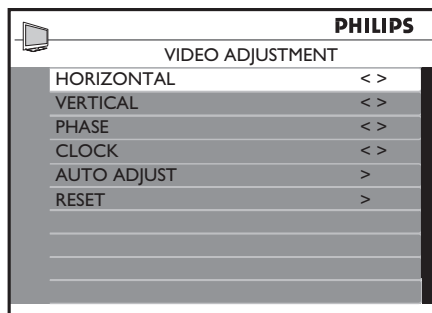
will be marked as 'SKIPPED' at auto installation.

- **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

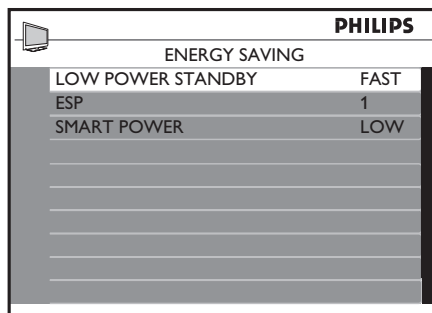
1. Enter **SETUP** menu.
2. Press **▼** to select **CONFIGURATION > VIDEO ADJUSTMENT**.



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	
DISPLAY STANDBY	5
DISPLAY ON	4
TIME SETTING	18:03
TELETEXT TIME DOWNLOAD	YES
BUZZER VOLUME	LOW

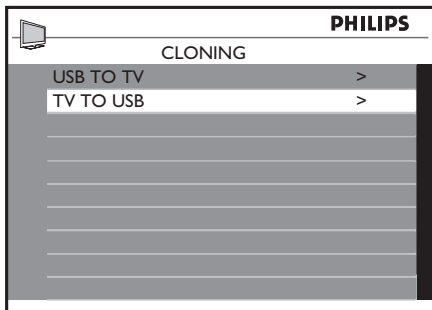
4. Press ▼ to select setting and ► to select options.
- **DISPLAY STANDBY**
Select level **1 to 5** for the brightness of

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

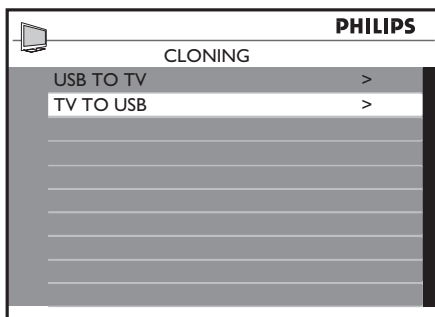
- During the process of copying, do not remove the USB stick.
 - All remote control command and control buttons on the TV are disabled.
6. Switch off and then on to reset the TV after cloning.

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.

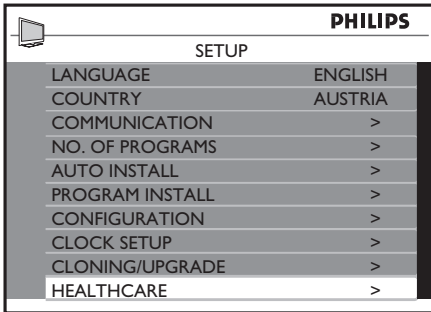


Note

- 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**.



PHILIPS	
SETUP	
LANGUAGE	ENGLISH
COUNTRY	AUSTRIA
COMMUNICATION	>
NO. OF PROGRAMS	>
AUTO INSTALL	>
PROGRAM INSTALL	>
CONFIGURATION	>
CLOCK SETUP	>
CLONING/UPGRADE	>
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.

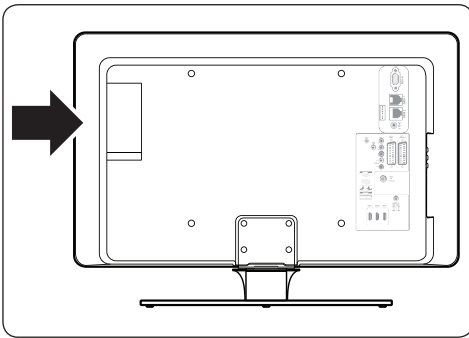
9 Install system devices

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

9.1 System Smartcard

- 📌 Note**
 Not applicable for 22 inch models.

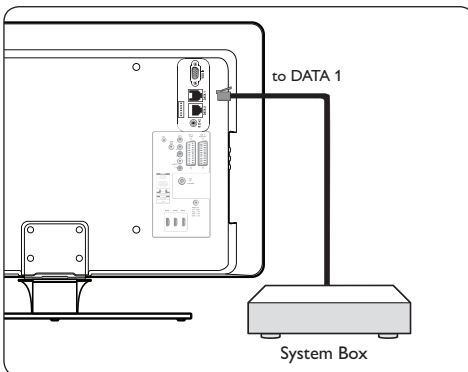
1. Insert the SmartCard into the SmartCard slot on the back of the TV.



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.

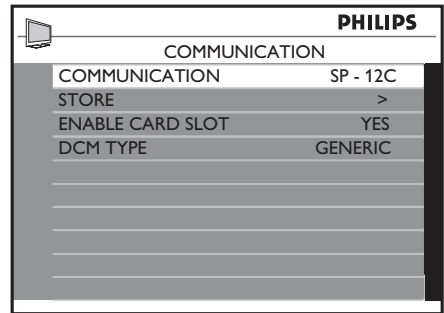


2. Connect the cables as instructed by the system provider.
3. Switch on the TV.

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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