

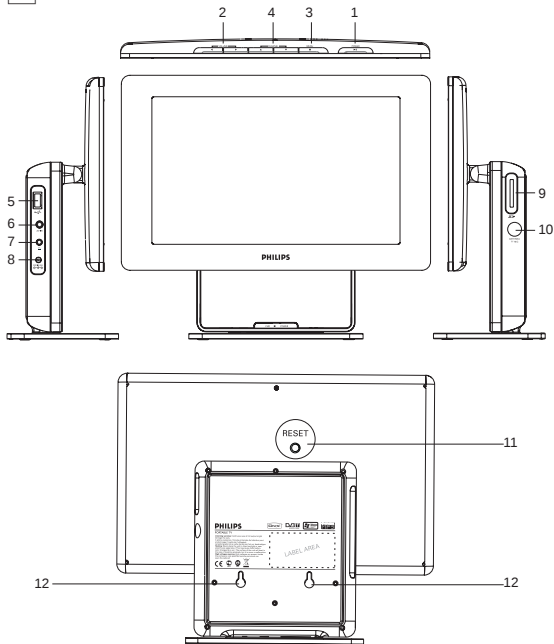
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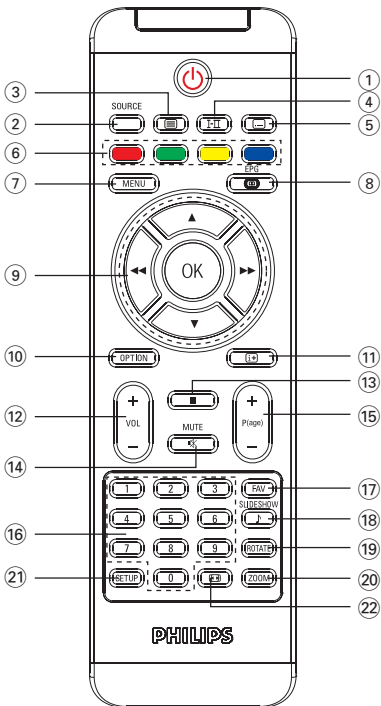
User Manual



PHILIPS

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English

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1 General information

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.

1.1 What is digital TV?

Digital Television offers a far wider choice of TV viewing, free from the interference that you may experience on analogue TV. It promises to transform television viewing into a whole new experience. There is a greater selection of widescreen programming. Many of your favorite programmes are in widescreen on the digital channels - something the analogue TV cannot do properly.

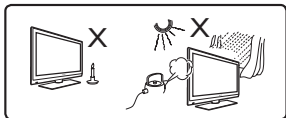
There is new whole experience of interactivity on digital TV. By using your remote control, you can access all kinds of information like the digital text which is much clearer than the old teletext system. It gives you the added enjoyment of related information running alongside the programme you are watching. You can also access an Electronic Programme Guide that provides you with a quick and easy way to view a complete list of digital programmes as you would in a newspaper or TV magazine.

1.2 Safety

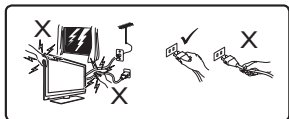
Warning: The connections do not have to be made before hanging but the cables must be inserted into connectors of the TV.

1.2.1 General

- 1 Place or hang the TV wherever you want but make sure that air can circulate freely through the ventilation slots.
- 2 Do not install the TV in a confined space such as a book case or a similar unit.
- 3 To prevent any unsafe situations, no naked flame sources such as lighted candles should be placed in the vicinity of the TV set. Avoid heat, direct sunlight and exposure to rain or water.



- 4 As a safety precaution, do not touch any part of the TV, power lead or aerial lead during lightning storms.
- 5 Pull the power lead by the plug. Do not pull on the power lead. Do not use a poor fitting mains socket. Insert the plug fully into the mains. If it is loose, it may cause arcing and result in fire.



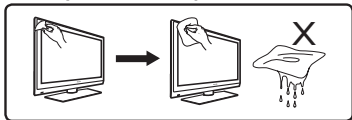
- 6 Take care not to connect too many equipment to the same mains socket as it may cause overloading resulting in fire or electric shock.
- 7 Avoid placing a vase or vases filled with water on top or near the TV. Water spilled into the set could result in electric shock. Do not operate set if water is spilled into the set. Unplug the power cord from the mains immediately and have the set checked by a qualified serviceman.
- 8 Installation of the TV set on the wall should be carried out by a qualified serviceman. Improper and incorrect installation may render the set unsafe.

1.2.2 Care of the screen

- 1 Do not remove the protective sheet until you have completed the stand/wall mounting and connections. Please handle with care.
- 2 Do not use too wet a cloth which is dripping with water. Do not use acetone, toluene or alcohol to clean the TV. As a safety precaution, unplug the power cord from the mains when cleaning the set.

Note

Use only the soft cloth provided to clean the glossy front of the TV.



- 3** Do not touch, push or rub or strike the screen with anything hard as this may scratch, mar or damage the screen permanently.

1.3 Unpacking

First check and identify the contents of your package, as listed below:

- TV set
- Remote control
- AV cable
- TV set stand
- Power adaptor
- User manual
- Auxiliary antenna

1.4 Zero Bright Dot™

Enjoy highest-quality images that are free from annoying blank spots on the LCD screen. LCD displays commonly have imperfections, termed as 'bright dots' by the LCD industry. A limited number of bright dots were once considered an inevitable side effect of LCD mass production. With Philips' strict quality control procedures used in our Portable DVD Players, our LCD displays are produced with zero tolerance for bright dots. Select Portable DVD Players come with Philips Zero Bright Dot™

Policy to guarantee optimal screen quality.

Warranty service varies from region to region. Contact your local Philips representative for more detailed information.

2 Overview of television keys and connectors

2.1 Main unit controls (see figure 1)

- 1 **POWER** : to switch the TV on and off. (Note: For zero power consumption, you need to remove the mains cord from the mains socket.)
- 2 **VOLUME**  : to increase or decrease the volume.
- 3 **MENU** : to display or exit menus.
- 4 **CHANNEL**  : to select channels.

2.2 Left of the TV (see figure 1)

- 5 : Jack for the external USB mass storage devices.
- 6 **AV IN**: Audio/Video input.
- 7 : Headphone jack.
- 8 **DC IN 9V**: Power supply socket.

2.3 Right of the TV (see figure 1)

- 9 **SD**: SD card slot.
- 10 **75 Ω antenna**: to connect antenna.

2.4 Rear of the TV (see figure 1)

- 11 **RESET**: to reset the TV.
- 12 **Hooking hole**: to mount the TV on the wall.

3 Getting started

3.1 Stand installation

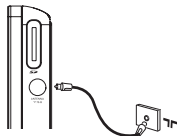
Use the stand to place the TV set on a flat surface. To install the stand, align the catches on the stand base with the slots at the bottom of the set, as shown in the figure below. Then fit the stand into the slots and turn anticlockwise until you hear a "click" sound.



Note: When you install the TV on the wall (refer to the Wall Mounting section), please release the stand. To release the stand, lift up the latch and turn the stand clockwise.

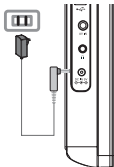
3.2 Connecting to antenna for either home antenna or auxiliary antenna

Insert the aerial plug firmly into the 75 Ω aerial socket on the right side of the TV and in the wall antenna socket.



3.3 Charging the TV set

Plug in the AC/DC adaptor.



- The **RED LED** indicates that charging is in progress.

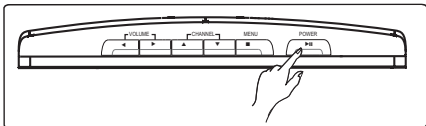
When the set is not in use, it will take about 6 hours to fully charge it. However, when in use, it will take more than 8 hours to fully charge it.*

- The **RED LED** will turn off when the set is fully charged. When the low battery icon appears on the screen, please charge the set.

* Rechargeable batteries have a limited number of charge cycles and may eventually need to be replaced. Battery life and number of charge cycles vary by use and settings.

3.4 Switching on the TV

To switch on the TV, press and hold the **POWER** key on the top of the set and the **GREEN** indicator also comes on.

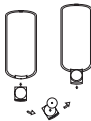


Notes:

1. For the first time to power on the set, use the AC power adaptor.
2. In case of failure to power on the set with built-in batteries, use the AC power adaptor to charge batteries.

3.5 Using the Remote Control

- 1 Open the battery compartment. Remove the protective plastic tab (first time users only).



- 2 Insert 1 x lithium 3V battery, type CR2025, then close the compartment.

3.6 Remote Control functions (see figure 2)

- 1 : Power On/Off the TV set
- 2 **SOURCE**: Switch between TV > Radio > USB > SD > AV-in
- 3 **TELETEXT** : Activate Teletext
- 4 **AUDIO** : Audio language selection
- 5 **SUBTITLE** : Subtitle languages selection
- 6 **Color keys**: Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. The coloured areas flash when the item or the page is not yet available.
- 7 **MENU**: Press briefly to return to previous menu page. Press and hold about 2 seconds to return to the top menu page.
- 8 **EPG**: Activate Electronic Program Guide
- 9 **Navigation keys**:
OK Confirm a selection or start/interrupt playback
 /  Up/down navigation key
 /  Left/right navigation key or previous/next track or fast search backward/forward
- 10 **OPTION**: Access additional functions
- 11 **INFORMATION** : List program information
- 12 **+ Vol -**: Volume control
- 13 : Press once to stop playback of digital files
- 14 **MUTE**: Mute the volume
- 15 **+P(age)-**: Change TV channels or Teletext pages
- 16 **0-9**: Numerical keys
- 17 **FAV**: Activate favorite TV/Radio channel mode
- 18 **SLIDESHOW/MUSIC**: Activate digital photo slide show with music back ground
- 19 **ROTATE**: Rotate digital photos

20 ZOOM: Zoom in digital photos

21 SETUP: Enter setup menu

22 ASPECT RATIO : to adjust the screen of 16:9 or 4:3

3.7 First time installation

Setup DTV channels

During first time installation, you are prompted to select your country.



1 To confirm selection, press **OK**.

> *After selecting your country, you are prompted to Auto Channel Search.*

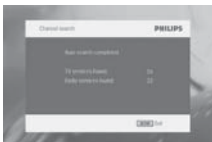


2 To start auto search, press **OK**.

> *Auto channel search starts.*

3 When Auto channel search is complete, the screen displays the total number of TV and Radio channels found.

Select **OK** to view programs of the first found channel.



4 Further TV functions

4.1 Manual Channel Search

- 1 Press **SETUP** > **DTTV** > **Country** to select your country.
- 2 Press **SETUP** > **DTTV** > **Manual search**.



- 3 Select **Channel number**.
- To confirm a channel, press **OK**.



4.2 Set Time Zone

Select whether the local time offset with regard to Greenwich mean time is to be set automatically, or if you want to specify it yourself.

To set local time, press **SETUP**, select **DTTV > Time settings**.

- Time format

Set your time format to 12-hour or 24-hour.

- Time zone

Select the entry GMT +01:00 for Germany and Central Europe (time difference with regard to the Greenwich mean time).

- Daylight saving

Set the menu item summer time to off if it is not summer time at the moment. You can also select the setting automatic. In case of this setting, the receiver obtains the information regarding summer time from the currently selected channel.

4.3 Adjust Parental Control

To adjust Parent control setting, press **SETUP**, select **DTTV > Parental**.

Parental options are only selectable when password mode is deactivated.

4.4 On Screen Program Information

To view information of current program, press the **INFORMATION** key.

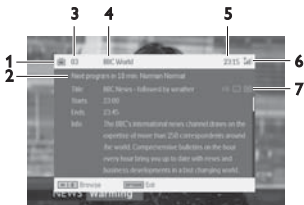
- 1  : TV program
 : Radio program
- 2 Next program's information
- 3 Program number
- 4 Program name
- 5 Local time
- 6 Signal strength indicator. More the bars stronger the signals.
- 7 Program information icons

I-II: Program contains different audio languages. You can press the

AUDIO or **OPTION** key on the remote to access this function.

 Program contains subtitles. You can press the **SUBTITLE** or **OPTION** key on the remote to access this function.

 Program contains Teletext. You can press the **TELETEXT** key on the remote to select Teletext function.



4.5 Electronic Program Guide (EPG)

The EPG offers you an overview of all programmes to be broadcasted in the next week on the current channel. The information presented for the selected event are: Start time, Title, Short description.

- Not all channels offer an extensive EPG.
- Many broadcasting services broadcast the current day programme but do not offer detailed descriptions.
- There are broadcasting services that do not offer any EPG information.

1 Select the desired channel.

2 Press **EPG** to call up the electronic programme guide.

The following functions are offered to you by the **EPG**:

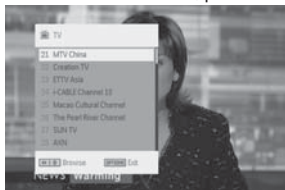
- A press on **▲ / ▼** allows you to consult all event pages for the days, a press on **▼** when last event of the list is highlighted displays the next page.



4.6 Channel List

To view available channel in your TV set:

- 1 Press **OK**.
- 2 Press **▲ / ▼** to select a channel.
- 3 To change channel, press **OK**.
- 4 To exit **Channel list**, press **OPTION**.



4.7 Manage your channel

- 1 Press **SETUP**. Go to **DTTV**.
- 2 Select **Manage Channel**.



Lock: The feature allows you to lock channels to prevent your children from watching certain channels.

Hide: This feature allows you to hide the program from channel selection list.

Favorite: This feature allows you to skip programmes that you do not watch often and only keep your favourite channels.

4.8 Other TV functions

Remote button	Function
SOURCE	Switch between input source (TV, Radio, USB, SD Card, AV-in).
TELETEXT	If the current channel has Teletext available,  will be shown in the program INFO screen. You can access the function by pressing TELETEXT . The program may request using color key to access or control the viewing feature. Please follow indication from the Teletext screen.
Color keys	They will be mainly used in the Teletext page to control the viewing. It will be various from different TV teletext program design.
AUDIO	If the current channel has audio available, I-II will be shown in the program INFO screen. Press AUDIO to activate the subtitle audio.

Remote button	Function
SUBTITLE	If the current channel has subtitle available,  will be shown in the program INFO screen. Press SUBTITLE to activate the subtitle.
	To adjust the screen of 16:9 or 4:3

5 Multimedia Player

The set can let you display pictures, video clips and music files stored on a USB device or a SD memory card. The multimedia application is invoked from the main menu.



Menu	To
TV	Watch the TV programs
Radio-DTTV	Listen to the DTTV radio programs
Picture	View your Photo Album
Music	Play your digital music tracks
Video	Watch the video clips
Folder view	Browse the content of USB drive / SD card
Settings	Customize the settings of the set

- The following inputs are accepted.
 - USB: Only FAT/DOS-formatted memory device are supported.
 - SD card except SDHC cards

- The following file formats can be reproduced.
 - Picture: JPEG
 - Video clips: MPEG1/2/4, DivX 4,5
 - Music file: MP3 and WMA

Note: Philips can not be held responsible if your USB or SD card are not supported or recognized by this set.

Tip: If your USB device does not fit into the USB connector at the side, use an USB extension cable to connect the USB device to the USB port. Ask your dealer for more information.

Transferring and recording of data from the DTTV to the USB port or SD card is not possible.

5.1 Photo Album

5.1.1 Preview / Slide Show

- After you insert the USB drive or SD card, press **MENU** to go to home page.
- Select **Picture** from the home page. Then select you source of USB or SD card.
- All the picture files will be sorted out. You can then use navigation key to highlight the picture from the left side area.



- Press **OK** to start the slide show.
- Press **STOP** to return to photo thumb nail browser screen.

5.1.2 Slide Show with Music

- To add music during slide show, press  on the remote when you start slideshow, you can browse the music file location.

Tip: Your music file must be store in the same device as your picture file.

- Then the set will continue to run the slideshow with your favorite music.
- Press **STOP** to return to Photo Album thumb nail browser screen.

5.1.3 Rotate and Zoom of Photos

During the slideshow playback, you can press the **OPTION** key from the remote. It will pop up a function window.



You can select to rotate or zoom the picture.

5.1.4 Photo Album setup

Press **SETUP** and go to **PHOTO**. The following functions are available.

Thumbnail: Select the display matrix.

Sort by: Sort the file ranking criteria.

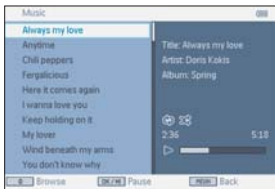
Slideshow: Slideshow Sequence: Select sequential or random.

Time per Slide: Select the time interval between each slide.

Transition: Select the effect of the photos appear in the screen.

5.2 Music

- After you insert the USB drive or SD card, press **MENU** to go to home page.
- Select **Music** from the home page. Then select you source of USB or SD card.
- All the music files will be sorted out. You can then use navigation key to highlight the music from the left side area.
- Press **OK** to playback the music files.
- Press **STOP** when you end the listening.



Music with Slideshow

- To start the slide show during music playback, press  on the remote when you start music playback, you can browse the photo file location.

Tip: Your photo file must be stored in the same device as your music file.

- Then the set will continue to run the slideshow with your favorite music
- Press **STOP** to return to music browser screen.

Music setup

Press **SETUP** and go to **MUSIC**. The following functions are available.

Repeat: Select repeat playback mode

Shuffle: Turn shuffle on or off

Sort by: Sort the file ranking criteria.

Equalizer: Set desired sound effect.

5.3 Video Clips

Preview

- After you insert the USB drive or SD card, press **MENU** to go to home page.
- Select **Video** from the home page. Then select you source of USB or SD card.
- All the video files will be sorted out. You can then use navigation key to highlight the video from the left side area.
- Press **OK** to playback the video.
- Press **STOP** to return to Video thumb nail browser screen.



Video Clip setup

Press **SETUP** and go to **VIDEO**. The following functions are available.

Thumbnail: Select the display matrix.

Repeat: Select the repeat playback mode.

Sort by : Sort the file ranking criteria.

DivX (VOD): Get the DivX (Video-On-Demand) code.

DivX Subtitles: Select the preference subtitle language if there is any subtitle language in your video clips.

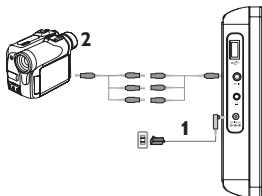
6 Connection

6.1 Headphone

Connect the headphone to the headphone jack on the left side of the player.

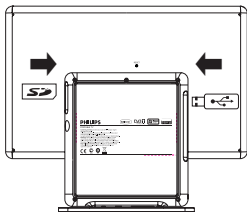


6.2 Audio/Video input (e.g. Digital Camcorder)



6.3 USB and SD card

You can play video/audio/picture files stored in USB drive or SD card by inserting it into the SD card slot.



7 SETUP menu overview

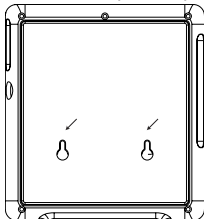
Level 1	Level 2	Remark
General	Languages	Change OSD language
	Power saving	Set Power Saving mode ON/OFF
	Set password	Change password (default: 1369)
	Factory settings	Restore factory settings
	Display	Adjust the LCD color, brightness, contrast, etc.
	Equalizer	Adjust the speaker performance

Level 1	Level 2	Remark
DTTV	Auto search	Perform auto TV program scan
	Manual search	Perform manual TV program scan
	Manage channels	Set channel lock and favorite channel list
	Country	Set your country of location
	Time settings	Set time format, time zone and summer time
	Parental (DVB-T)	Select the preferred rating to lock the channel
Picture	Thumbnail grid	Set the thumbnail picture display matrix
	Sort by	Set the file sorting preference
	Slideshow	Set slide show preference
Music	Repeat	Set repeat mode
	Shuffle	Set shuffle mode
	Sort by	Set file sorting preference
Video	Thumbnail grid	Set the thumbnail picture display matrix
	Repeat	Set repeat mode
	Sort by	Set file sorting preference
	DivX (VOD)	Get the DivX (video-on-demand) code
	DivX Subtitles	Set preference subtitle languages: Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hebrew, Hungarian, Icelandic, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish.

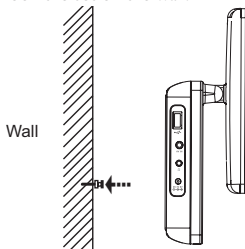
8 Wall mounting

There are 2 screw hooking holes to hang up the set. Please follow the steps below:

- 1 Choose a spot near an electrical outlet and an antenna jack.
- 2 Use the screw position plate to position the screw.



- 3 Fix the provided screws into the wall and make sure it is fixed firmly into the wall.
- 4 Detach all the connection cable from the set.
- 5 Release the bottom stand from the product.
- 6 Hook the set on the wall.



- 7 Attach all the connection, like power and antenna, etc.

9 Troubleshooting

If it appears that the TV is faulty, first consult this checklist. It may be that something has been overlooked.

WARNING Under no circumstances should you try to repair the set yourself as this will invalidate the guarantee. If a fault occurs, first check the points listed, before taking the set for repair. If you are unable to solve a problem by following these hints, consult your dealer or service centre.

Symptom	Remedy
No power	• Check if both plugs of the mains cord are properly connected. • Check if there is power at the AC outlet by plugging in another appliance.
Distorted picture	• Sometimes a small amount of picture distortion may appear. This is not a malfunction.
No sound	• Check audio connections. If using a HiFi amplifier, try another sound source.
The player does not respond to the remote control	• Aim the remote control directly at the sensor on the front of the player. Avoid all obstacles that may interfere with the signal path. Inspect or replace the batteries.
Player does not respond to all operating commands during playback	• Operations are not permitted in TV mode.
Loss of current TV programs when travelling to another country	1) Press SETUP > DTTV > Country to select your country. 2) Select Auto search.

Symptom	Remedy
Cannot detect USB plug-in	• Unplug the USB device and plug in again. The time taken for detection may vary with the capacity of your USB device. • The TV does not support Hard Disk storage or Media Transfer Protocol (MTP) format.
Cannot switch to AV-in or no signal	• Unplug the AV-in connection and plug in again. • Check the connection from the AV output device, such as digital camera, video recorder, etc. • Use the provided AV cable for connection.
Switch between TV/USB/AV-in	• TV mode is the default source after power on. • Plugging in USB will activate USB mode. Deactivate it by unplugging the connection. • Do not plug in USB & AV-in at the same time. Plug in one type connection at a time only. • Unplug the connection before you plug in another connection.
Player feels warm	• When the player is in use for a long period of time, the surface will be heated. This is normal.
Display goes dimmer when AC is unplugged	• The unit is saving power to ensure longer playtime with battery. It is normal. • Adjust the brightness in the SETUP menu.
No radio reception	• The unit is designed to receive digital signals only, and it does not support analog radio such as FM or AM.

Symptom	Remedy
Cannot charge the player	• Check if both plugs of the mains cord are properly connected. • Check if there is power at the AC outlet by plugging in another appliance. • Check if car adaptor is connected appropriately. • Only use 12V car charger (for small car) and do not use 24V car charger (for truck) • The environment temperature should be between 0°C and 35°C. To protect the electronic insides, the player will stop charging when too cold or too hot.
No/weak signal displayed on the screen	• DVB-T signal is too weak or out of DVB-T signal covering area. • Make sure you are in an area with sufficient coverage. • Receiving DVB-T signal in a driving car may cause signal problems.
Cannot play MP4 video	• There are too many types of MP4 videos format. The play can only support MP4 format in *.avi and *.divx file.
Unsmooth playback of DivX video	• Please make sure you generate the DivX video with DivX Mobile configuration. For detail of DivX mobile configuration, please refer to section 1.4 or visit DivX web side www. divx. com.

10 Technical data

TV system	DVB-T
USB	1.1
Card	SD memory card
Speaker	2 x 2W (RMS)
Dimensions	27.5 x 24 x 10 cm
	11 x 9.4 x 4 inches

Weight	1.2 kg /2.6 lb
Power supply	DC 9V 1.8A
Power consumption	≤ 20W
Operating temperature range	0 - 45°C (32 - 122°F)

PHILIPS reserves the right to make design and specification changes for product improvement without prior notice.

Modifications not authorized by the manufacturer may void users authority to operate this device.

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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 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. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.

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