

PHILIPS

Digital receiver

Terrestrial

DTR3202



User manual

Congratulations!

This High Definition Digital Television Receiver (DTR) is an innovative product dedicated to Digital Terrestrial Television. Equipped with a silent hard disk drive, it allows easy reception and recording of digital programmes, including those broadcasted in High Definition.

The Philips recorder follows a continuous development strategy.

Therefore, we reserve the right to make changes and improvements to the product described in this user manual without any prior notice.

CE Marking:

The CE marking certifies that the product complies with the essential requirements of the Directive 1999/5/EC concerning radio equipment and telecommunication equipment, and of Directives 2006/95/EC concerning safety, 2004/108/EC concerning electromagnetic compatibility and ErP 2009/125/EC concerning ecodesign requirements, defined by the European Parliament and Council to minimize electromagnetic interferences, ensure the safety of users and their equipment and protect their health, and minimize the impact of products on the environment.

The CE declaration of conformity can be viewed in the support section of the Philips site www.philips.com.

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Note

- In order to receive digital signal of good quality you may need an antenna upgrade.

Contents

1	Safety recommendations	4
	Where to put your Set-top box?	4
	Warnings and safety instructions	4
	Batteries	5
	Interference	5
	USB Storage devices	5
	Cleaning the Set-top box	5
2	What's in the box	6
	Front panel of the Set-top box	7
	Rear panel of the Set-top box	7
	Overview of the remote control	8
3	Connecting your devices	9
	Connection to the terrestrial antenna	9
	Connection to the TV set	9
	Connection to a Home cinema system	10
4	Before starting	11
	Basics of the menu system	11
	Menu tree	12
5	Getting Started	14
	Welcome	14
	Installation	14
6	Operation	15
	Accessing the Electronic Program Guide (EPG)	15
	Edit Channel	15
7	System Setup	17
	System setup menu	17
	Language	17
	TV System	17
	Local Time Setting	17
	Time Setting	17
	Parental Lock	18
	OSD Setting	18
	Favorite	18
	Audio Description Setting	18
	Multiview Setting	19
	Other	19
8	Tools	20
	Tools main menu	20
	Information	20
	Factory Setting	20
	Software Upgrade	20
	Remove USB device safely	20
9	Network	21
	Network menu	21
10	Media Player	22
	Media Player main menu	22
	Media Playback	22
	HDD Information	23
	DVR Setting	23
11	Game	24
	Game menu	24

12	Timeshift/Record	25
	Timeshift	25
	Record	25
	DVR Setting	25
13	Environment	26
	Meaning of logos present on the product or its packaging	26
	Product recycling and disposal	26
	European Directive on Waste Electrical and Electronic Equipment (WEEE)	26
	Directive on the Restriction of use of certain hazardous substances in electronic equipment (RoHS)	26
	Electrical consumption of the recorder	26
14	Troubleshooting	27
	Using the Set-top box	27
	Updating the Software	27
15	Customer Support	28
16	Specifications	29

1 Safety recommendations

Use of the Set-top box is subject to safety measures designed to protect users and their environment.

Where to put your Set-top box?

In order to guarantee the correct operation of your Set-top box, you must:

- place it indoors to protect it from lightning, rain, and direct sunlight,
- place it in a dry and well ventilated area,
- keep it away from heat sources such as radiators, candles, lamps, etc.
- protect it from dampness, place it on a flat surface from where it will not fall and is out of the reach of children,
- avoid violent shocks. Choose a stable, horizontal surface on which the Set-top box will not be exposed to intense vibrations.
- do not place anything on top of your Set-top box (as it would restrict ventilation): the ventilation slots located on the casing prevent your Set-top box from overheating. If you place the Set-top box in a compartment or other closed space, leave a space of at least 10 cm on each side and 20 cm on the front and back of the Set-top box.
- connect it directly to the mains with the provided cords, the socket must be near the Set-top box and easy to access. The use of an extension cable (with multi-points) is not recommended.



Warnings and safety instructions



As a precaution, in case of danger, the power supply unit acts as a disconnecting mechanism for the power supply. That is why it is imperative that you connect the recorder to a power outlet located nearby and easily accessible.

- Connect the Set-top box to the electrical outlet in accordance with the indications mentioned on the identification label affixed on the Set-top box (voltage, power, frequency of electricity network).
- The identification label is located under the Set-top box or on the rear panel.
- You must imperatively use the Set-top box in an environment that complies with the following requirements:
 - temperature: between 0°C [32°F] and 40°C [104°F].
 - ambient humidity: between 20% and 90%.
 - altitude: below 2000 m [6562 ft].
- To avoid short-circuits (fire or electrocution hazard), do not expose your Set-top box to dampness. Do not place any object containing liquid (vase for example) on the appliance.
- The Set-top box must not be splashed with liquid. If liquid is spilled onto the Set-top box, unplug it immediately from the mains and consult your supplier.
- Take care not to allow liquids or metal objects to enter the Set-top box through the ventilation slots.
- Avoid reconnecting the Set-top box after it has been subjected to large changes in temperature.
- The Set-top box must be disconnected from power supply before any modification of connection between TV, VCR or antenna.
- In the event of a storm, it is advisable to unplug the antenna. Even if the Set-top box and the television set are disconnected from the power supply, lightning can still damage them.
- If you hear unusual noise coming from the mains power socket or from the power cord, disconnect immediately the power cord from the mains power socket in accordance with all the precautions of use, you risk getting an electric shock, and contact your retailer.
- Never connect the Set-top box to a mains power socket which is loose, shows signs of wear or damage, you risk getting an electric shock.
- Never touch the power cord with wet hands. You risk getting an electric shock.
- When connecting or disconnecting the power cord, always take hold of the plug without pulling on the cord. A damaged cord presents a potential risk of fire or electric shock. Never pull the power cord when disconnecting from the mains power socket.
- Never place objects on the power cord, and never pull on it or fold it. This may cause a risk of fire or electric shock. Ensure that the Set-top box never lies on the power cord or on any other cables.
- Ensure the Set-top box is placed on a flat and stable surface, placing it incorrectly may lead to the power cord being disconnected. This may cause a risk of fire or electric shock.

- Always keep the power cord unit out of the reach of children or domestic animals.
- Only personnel approved by the manufacturer can repair the Set-top box. Failure to comply with these safety precautions will invalidate the guarantee.
- Have a specialised installer perform all connections if you want to use cables that are not provided with the Set-top box.

Batteries

Batteries are easily swallowed by young children. Do not allow young children to play with the remote control. Always keep batteries away from excessive heat sources such as direct sunlight, fire or similar sources. To avoid damaging the remote control, only use identical batteries or batteries of an equivalent type. The batteries provided are not rechargeable.

Interference

Do not place the Set-top box near appliances that may cause electromagnetic interferences (for example, loudspeakers, modems, routers or cordless phones). This could affect Set-top box operation and distort the picture or sound.

USB Storage devices

Please wait until the Set-top box or the multimedia file application exits the multimedia list manager (multimedia file application) or is in standby mode before disconnecting your storage devices. Otherwise, you risk losing data or damage your storage device.

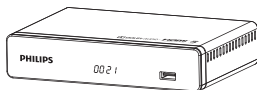
When connecting a USB peripheral device, respect the way of insertion and never use force. You may damage your peripheral device and/or the appliance.

Cleaning the Set-top box

The outer casing of the Set-top box can be cleaned with a soft and dry cloth. Do not use any type of abrasive pad, scouring powder or solvents, such as alcohol or turpentine, as they could damage the surface of the Set-top box.

2 What's in the box

Your new equipment includes:



High Definition Digital
Television Recorder (DTR)



Remote control
with 2 batteries (AAA)



Safety condition

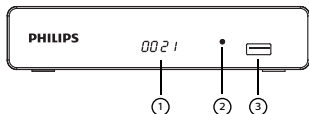


Quick start guide



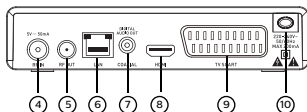
warranty card

Front panel of the Set-top box



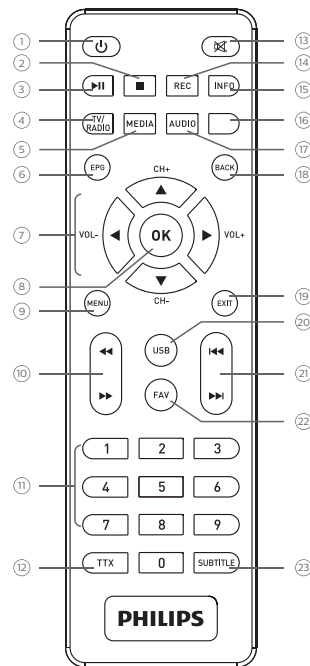
- ① Digital display
 - Shows the current time when the Set-top box is in standby.
 - Shows the programme number when the Set-top box is on.
 - Shows hard disk activity (recording in progress, programme playback,...)
- ② LED
 - Green** : Operating
 - Red** : Standby
- ③ USB port (5V $\overline{\text{---}}$ 500mA)

Rear panel of the Set-top box



- ④ Antenna input
- ⑤ Antenna output (Loophrough only)
- ⑥ LAN connector
- ⑦ Digital audio connector (S/PDIF)
- ⑧ HDMI Digital video audio connector
- ⑨ SCART connector (to TV or VCR/ DVD)
- ⑩ AC Mains

Overview of the remote control



- ① **Power**
 - Put the Set-top box in standby mode/Wakeup the Set-top box from standby mode
- ② **Stop**
 - Stop
- ③ **Play/Pause**
 - Play/Pause
- ④ **TV/RADIO**
 - Switch between TV and Radio/Red button
- ⑤ **MEDIA**
 - Enter PVR menu for U stick/Green button

- ⑥ **EPG**
 - Display the Electronic Program Guide
- ⑦ **Navigation**
 - Move in a page, a menu... /CH+/-/VOL+/-
- ⑧ **OK**
 - Display the channel list, confirm a selection
- ⑨ **MENU**
 - Access menus
- ⑩ **Rewind/Fastforward**
 - Rewind/Fastforward
- ⑪ **0 to 9**
 - Access channels and various on-screen options
- ⑫ **TTX**
 - Display Teletext pages when available
- ⑬ **Mute**
 - Turn the sound off/on
- ⑭ **REC**
 - Launch immediate recording, Schedule a recording from the TV Guide
- ⑮ **INFO**
 - Display programme information and options
- ⑯ **Blue button**
 - On-screen options MHEG, Teletext pages and menu
- ⑰ **AUDIO**
 - Select audio mode and audio track/Yellow button
- ⑱ **BACK**
 - Go back to the previous channel, screen or mode
- ⑲ **EXIT**
 - Exit from current screen or setting
- ⑳ **USB**
 - Access to Media Player
- ㉑ **Rewind/Fastforward**
 - (Skip backward/Skip forward)
- ㉒ **FAV**
 - Open up Favourite list
- ㉓ **SUBTITLE**
 - On/Off Subtitle

Batteries

The remote control needs two batteries (AAA) to operate. The drawing in the battery compartment indicates how to install them. The batteries provided are not rechargeable.

3 Connecting your devices

Before installing your Set-top box:

- Please check that the delivery is complete (see What's in the box, page 6).
- Please ensure that the appliances to be connected together (recorder, TV set, VCR/DVD...) are unplugged before making any connections.
- Please ensure that Digital Terrestrial Television (DTT) is available in your area.

Connection to the terrestrial antenna

Very often to get the best reception, you may simply need to adjust your antenna. Alternatively, you can connect an indoor antenna to your system. For more information, please contact your specialised distributor.

Standard outdoor antenna

Preferably use an outside roof antenna that is designed to receive UHF channels (21 to 69). However:

- if your building is equipped with an old antenna model, digital channels may be difficult or even impossible to receive. The problem can only be resolved by changing the antenna.
- if your building is equipped with a common antenna which contains selective filters devised for analogue channels, reception will most probably not work correctly. In this case, you will have to contact the administrator of the building.
- some antennas directed towards an analogue TV transmitter must be re-adjusted towards a digital TV transmitter. If you encounter reception problems, you can also try placing the antenna at different heights.

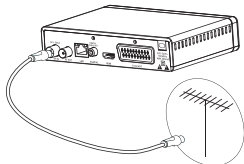
Indoor antenna

In ideal reception conditions, this type of antenna is sufficient. Here, however, are some useful tips:

- use an antenna designed to receive channels 21 to 69.
- install the antenna close to the window and direct it towards the digital TV transmitter.
- if possible, use an antenna with an amplifier. The Set-top box can provide remote power supply to your indoor antenna (see **Setting the power parameters**, page 29).

Connection to the antenna

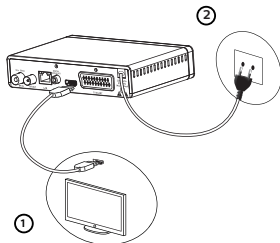
- 1 Plug the antenna cable (not supplied) into the **ANTENNA IN** input connector on your Set-top box.
- 2 You can connect the RF output connector of your Set-top box to the antenna input of the television set or VCR/DVD recorder (cable not supplied).



Connection to the TV set

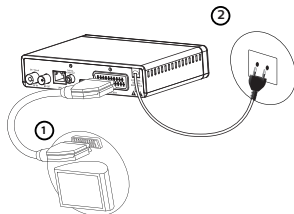
Connection to a High-Definition television set using an HDMI lead

- 1 To take advantage of High Definition picture quality, you must connect the **HDMI** connector of your Set-top box to the HDMI connector on your television set (cable not supplied).
- 2 Plug the power cord into the wall socket.



Connection to a Standard-Definition television set

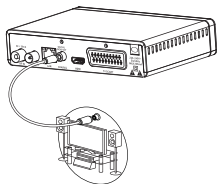
- 1 You must connect the television set to your Set-top box using a SCART connector (not supplied).
- 2 Plug the power cord into the wall socket.



Connection to a Home cinema system

Some programmes are broadcast with a high quality multichannel digital sound. The connection of your Set-top box to a Home cinema system will give you a cinematic surround sound experience when watching these programmes.

This can easily be done by connecting with a coaxial cable (not supplied) the DIGITAL AUDIO output of your Set-top box to the digital audio coaxial input of your Home cinema amplifier. Dolby® Digital Plus is one of the latest innovations of Dolby Laboratories in high quality digital audio. Compatible with Dolby Digital systems, it addresses the expectations of most demanding viewers, and is scalable to the diverse world of content delivery, such as, for instance, High Definition TV broadcast.



Note

- For more information, please visit the following website:
<http://www.dolby.com/consumer/setup/index.html>

4 Before starting

Basics of the menu system

How to access the main menu?

Press the  key.








How to access a feature?

You can access some features using the remote control as well as the main menu.

When both possibilities are available, the corresponding procedures are proposed.


How to navigate through the various screens and set parameters?

Use the remote keys:






-     to navigate in the menus and submenus,
-  or  to enter a menu,
-  to access the previous menu,

Menus presentation

For ease of understanding, accessing a menu is described in this manual as follows:

 > **Menu** > **Submenu**

For example, when you read  "Go to > **System Setup** > **Language**", you should perform the following actions on your remote control:

- 1 Press the  to access the main menu.
- 2 Press the  or  key to select **System Setup**.
- 3 Press the  key to select **Language**, then enter the menu with the .

Menu tree

The tree below introduces the Set-top box menus:



Edit Channel	TV Channel List
	Radio Channel List
	Delete All



Installation	Auto Scan
	Channel Scan
	LCN



System Setup	Language	Language
		Primary audio
		Secondary audio
		Subtitle Language
		Teletext
		Subtitle
	TV System	Video Resolution
		Aspect Mode
		Digital Audio Out
	Local Time Setting	Region
		GMT Usage
		GMT Offset
		Summer
		Date
		Time
	Timer Setting	Timer Mode
		Timer Service
		Wakeup Channel
		Wakeup Date
		On time
		Duration
	Parental Lock	Menu Lock
		Rating Lock
		New Password
		Confirm Password
	OSD Setting	OSD Timeout
		OSD Transparency
	Favourite	
	Audio Description Setting	AD Service
		Use AD as default
		AD Volume Offset
	Multiview Setting	
	Other	Antenna Power
		Channel Play Type
		Beeper
		Auto Standby



Tools	Information
	Load Factory Setting
	Software upgrade by OTA
	Software upgrade by USB
	Remove USB device safely



Network	Network setting
	Network application



Media Player	Records
	Video
	Music
	Image
	HDD Information
	DVR Setting

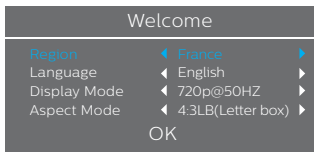


Game	Othello
	Sudoku

5 Getting Started

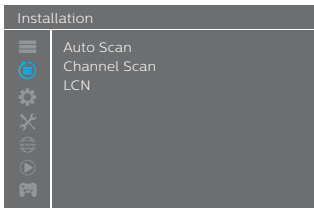
Welcome

If you use the Set-top box for the first time, the "Welcome" menu appears. Press cursor button to setup the Region, Language, Display Mode and Aspect Mode. Highlight "OK" and press the "OK" button to start Auto Scan channel.



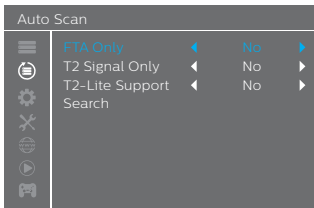
Installation

- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "Installation", press "RIGHT" button to enter the Installation menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
- 4 Press "EXIT" button to exit.



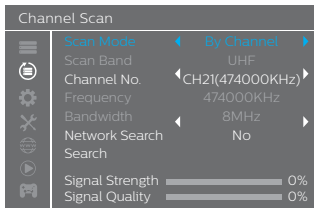
Auto Scan

- 1 Select the "Auto Scan", press "OK" button to enter the Auto Scan menu.
- 2 Press the cursor button to set "FTA Only" and T2 Signal Only, then highlight "Search", press the "OK" button to start auto scan.



Channel Scan

- 1 Select "Channel Scan", press the "OK" button to enter the Channel Scan menu.
- 2 Press cursor button to set Scan mode, Scan Band, Channel No., Frequency and Bandwidth, then highlight "Search", press "OK" button to start channel scan.



LCN

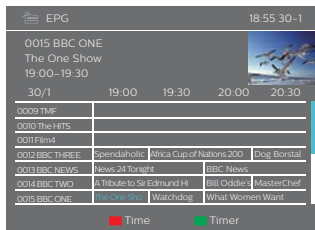
You can activate/deactivate the LCN(Logical Channel Number) function by setting the "LCN" to on/off. If LCN is activated, you can't change the original number of TV channels by scanning.

6 Operation

Accessing the Electronic Program Guide (EPG)

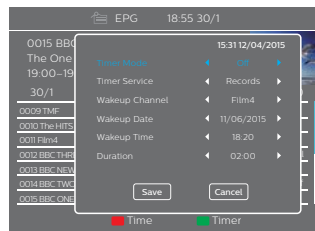
Accessing the EPG of all channels:

- 1 Press "EPG" button to enter EPG menu.
- 2 Press cursor button to switch between channel list, events schedule of the selected channel and now/next events.
- 3 Press "Green" button to Timer the events.
- 4 Press "Red" button to display "Time Bar" menu.



EPG Pre-Records:

- 1 Press "EPG" button to enter EPG menu.
- 2 Press cursor button to switch between channel list and events schedule, select your desired events.
- 3 Press "Green" button to set Timer the events, then highlight "Timer Service", press "LEFT" or "RIGHT" button to select "Records", highlight "Save" and press "OK" button to confirm, then you can Pre-record the program.



Edit Channel

Edit Channel menu

- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "Edit Channel",
- 3 press "RIGHT" button to enter the Edit Channel menu.
- 4 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu. Press "EXIT" button to exit.

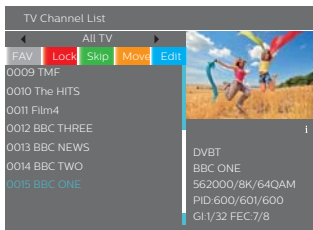


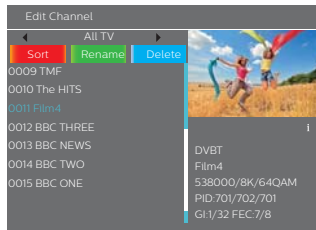
TV Channel List

- 1 In the Edit Channel menu, select "TV Channel List", press "OK" button to enter TV channel list menu.
- 2 Press "UP" or "DOWN" button to highlight channel, press the "OK" button to preview the desired TV channel.

Use this menu to favor, lock, skip, move, sort, delete and rename channel.

- Press "FAV" button, then press "OK" button to edit the FAV function.
- Press "color" button, then press "OK" button to edit the corresponding function.





Radio Channel List

- 1 In the Edit Channel menu, select "Radio Channel List", press "OK" button to enter the Radio Channel list menu.
- 2 Press "UP" or "DOWN" button to highlight channel press the "OK" button to listen the desired Radio channel.



Note

- Basically, the operation of "Radio Channel List" is the same as "TV Channel List", but there is one difference: In "Radio Channel List" mode, there is no video information, so it will always display Radio's logo on the right-hand side preview window.

Delete All

- 1 In the Edit Channel menu, select "Delete All", press "OK" button. You will be asked to input a password (the default password is "0044" or "3327").
- 2 A warning window appears. Select "Yes", press "OK" button to delete all channels. Select "No", Press "OK" button to cancel deleting.

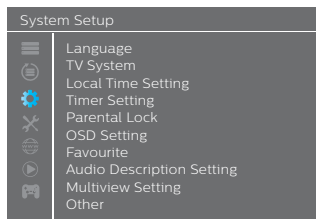


7 System Setup

System setup menu

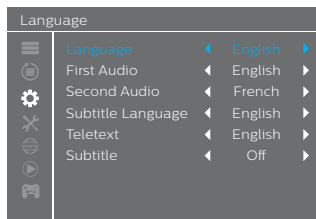
System setup menu allows you to set Language, TV System, Local Time Setting, Timer Setting, Parental Lock, OSD Setting, Favorite, Audio Description Setting, Multiview Setting and Other.

- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "System Setup".
- 3 Press "RIGHT" button to enter the System Setup menu.
- 4 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu. Press "EXIT" button to exit.



Language

This menu allows you to set Language.



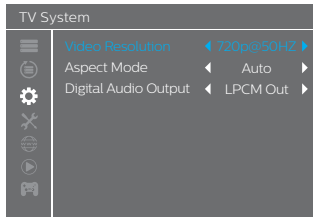
TV System

This menu allows you to set Video Resolution, Aspect Mode and Digital Audio Out.

Video Resolution: By Source / By Native TV / 480i / 480p / 576i / 576p / 720p@50HZ / 720p@60HZ / 1080i@50HZ / 1080i@60HZ / 1080p@50HZ / 1080p@60HZ

Aspect Mode: Auto / 4:3PS / 4:3LB / 16:9

Digital Audio Out: BS Out / LPCM Out



Local Time Setting

This menu allows you to set the region and time.

Region: This menu is used for changing the region setting.

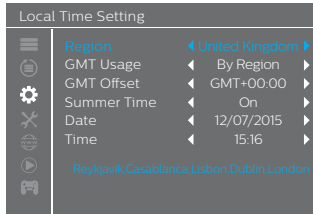
GMT Usage: This menu is used for open the usage of GMT.

The options are : By Region/User Define/Off
The menu is valid only when selected "User Define" in GMT Usage menu .
The GMT offset range is "-11:30 ~ +12:00", increasing half hour progressively.

GMT Offset: The options are : On/Off

Summer Time: "Date" and "Time" menus are valid only when selected "Off" in GMT Usage menu.

Date: Press numeric button to input the time.



Time Setting

This menu allows us to set the program timer. You can set 8 timers.

Timer Mode: Off/Once/Daily

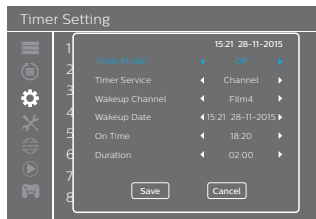
Timer Service: Channel/Record

Wakeup Channel: You can select a desired channel as the wakeup channel.

Wakeup Date: Press numeric button to input date.

On Time: Press numeric button to input the time.

Duration: Press numeric button to input the duration time.



Parental Control

This menu allows you to restrict access to some menus and channels.

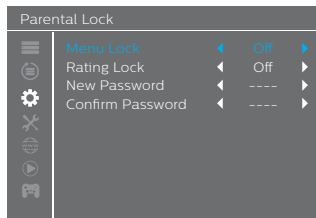
- 1 In "System Setup" menu, select "Parental Lock" and press "OK" button, you are asked to input a password (the default password is "0044" or "3327").
- 2 After inputting the correct password by pressing numeric buttons, the parental lock menu appears.

Menu Lock: To lock the Edit channel/ Installation menu. When you want to enter these menus, you must input the password. You can set menu lock to on/off.

Rating Lock: AGE10/AGE12/AGE16/AGE18

New Password: To change the password.

Confirm Password: To confirm the new password.

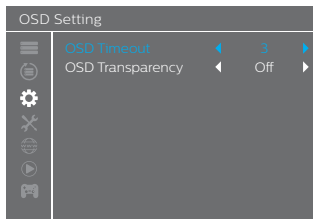


OSD(On Screen Display) Setting

This menu allows you to set OSD Timeout and OSD Transparency.

OSD Timeout: 1-10

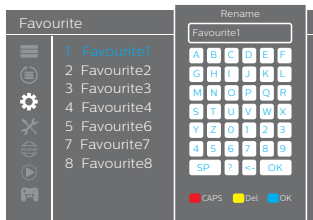
OSD Transparency: To set the OSD transparency to Off / 10% / 20% / 30% / 40%.



Favourite

This menu allows you to rename the favorite group.

- 1 In Channel menu, select "Favorite", press "OK" button to enter Favourite menu.
- 2 Select desired group, press "OK" button to open the simulation keypad. Input letter and numeric one by one by pressing the cursor button and press "OK" button to confirm. After finishing input, highlight "OK" on mock keypad to confirm, you change Favorite group name successfully.
- 3 Press "EXIT" button to quit the group rename menu.



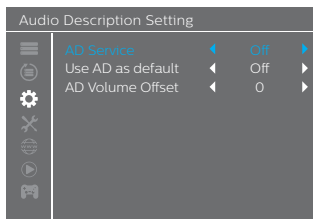
Audio Description Setting

This menu allows us to set AD Service, Use AD as default and AD Volume Offset:

AD Service: On/Off

Use AD as default: On/Off

AD Volume Offset: -3-3

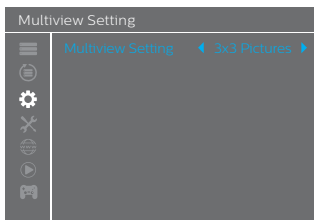


Multiview Setting

This menu allows us to set Multiview

- 1 In "System Setup" menu, select "Multiview Setting" and press "OK" button, you can set your desired screen view to 4+1 Pictures or 3x3 Pictures .
- 2 After you set your screen view, press "EXIT" button to exit the main menu, then press "BLUE" button to enter multiview.

Multiview Setting: 4+1 Pictures/3x3 Pictures



4+1 Pictures



3x3 Pictures



Other

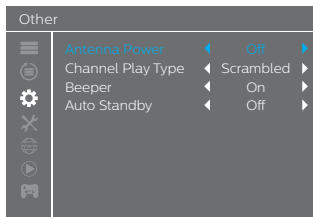
This menu allows you to set Antenna Power, Channel Play Type, Beeper and Auto Standby.

Antenna Power: On/Off
On: the Set-top box will provide 5V power to antenna.
Off: the Set-top box will not provide 5V power to antenna.

Channel Play Type: All/Free/Scrambled

Beeper: On/Off

Auto Standby: 30Min/1 Hour/2 Hours/3 Hours/Off

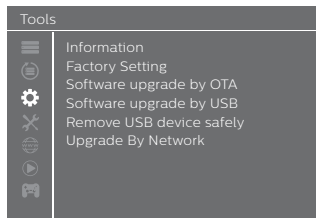


8 Tools

Tools main menu

Use this menu, you can see the current informations of this Set Top Box, Load Factory Setting, Update S/W and Remove USB device safely.

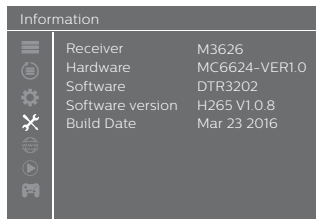
- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "Tools", press "RIGHT" button to enter the Tools menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
- 4 Press "EXIT" button to exit.



Information

You will find here important information about the hardware and embedded software.

- 1 In "Tools" menu, select "Information", press "OK" button to open information window.
- 2 Press "EXIT" button to exit.

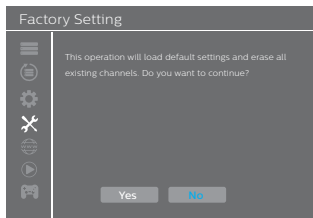


Factory Setting

This menu allows you to re-set the Set-top box back to factory settings, clear all existing channels.

- 1 In the "Tools" menu, select "Load Factory Setting", press "OK" button.
You are asked to input a password (the default password is "0044" or "3327").
- 2 A confirmation window is displayed.
Select "Yes" to return back to factory settings and clear all channels.
Select "No" to cancel back to factory settings.

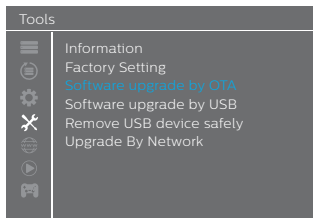
- 3 Press "EXIT" button to exit.



Software Update

We offer the functions for user to upgrade software version by OTA or by USB.

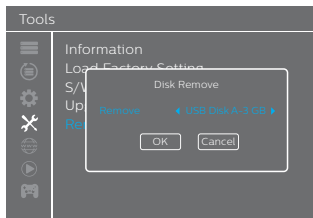
- 1 Enter "Tools" menu, select "Software upgrade by OTA" or "Software upgrade by USB", press "OK" button, Software Upgrade menu is shown.
- 2 Press cursor button to select the desired item, then highlight "Start" and press "OK" button to start upgrade.
- 3 Press "EXIT" button to exit.



Remove USB device safely

This menu allows you to remove USB device safely.

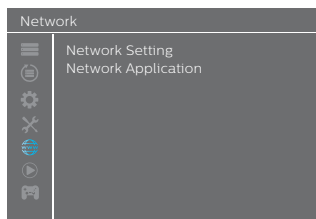
- 1 In "Tools" menu, select "Remove USB device safely",
- 2 Press "OK" button to confirm. Then a window is displayed.
- 3 Press "OK" button again.



9 Network

Network menu

This menu allows you to watch the weather forecast, and listen to the Net Radio.

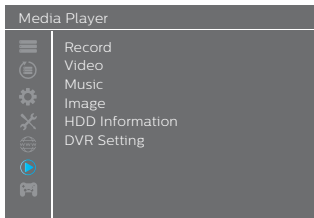


10 Media Player

Media Player main menu

Media Player menu allows you to play musics, videos , pictures and native recorded files from USB disk.

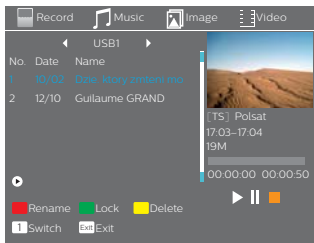
- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "Media Player", press "RIGHT" button to enter the Media Player menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the sub-menu.
- 4 Press "EXIT" button to exit.



Media Playback

This function allows you to play musics, videos , pictures and native recorder files from USB disk .

- 1 In "media player menu", press "RIGHT" button to select "Records", "Video", "Music" or "Image", press "OK" button to enter Media Playback mode, the media player window displayed.
- 2 In media player window, press "Down" button to highlight directory and file field.
- 3 Press "1" button ,you can switch TAB between Music / Image / Video / Record.
- 4 Press "UP" or "DOWN" cursor button to select a desired item, and press "OK" button to play the desired files.
Press "EXIT" button to exit.



Music:

- "RED" button:** Press "RED" button to show Play List.
- "GREEN" button:** Highlight the file which you want to add to play list, then press "Green" button to add. It will mark a favorite icon on the file.
- "YELLOW" button:** Press "Yellow" button to add all file of current directory to play list. Press again to delete all file of current directory from the play list.
- "BLUE" button:** Press "Blue" button to enter to edit sub-menu.
- "2" button:** Press "2" button to open the sort window. You can sort by Name/Time/Size/Favorite.
- "INFO" button:** Press "INFO" button to set repeat mode. The option is Repeat Folder / Random Folder / Repeat One.
- "1" button:** Press "1" button to Switch tab between Music / Image / Video / Record
- "EXIT" button:** Return to parent directory.

Image:

- "RED" button:** Press "Red" button to show play list.
- "GREEN" button:** Highlight the file which you want to add to play list, then press "Green" button to add. It will mark a favorite icon on the file.
- "YELLOW" button:** Press "Yellow" button to add all file of current directory to play list. Press again to delete all file of current directory from the play list.
- "BLUE" button:** Press "Blue" button to enter to edit sub-menu.
- "2" button:** Press "2" button to open the sort window. You can sort by Name/Time/Size/Favorite.
- "INFO" button:** Press "INFO" button to open image setup
- "3" button:** Press "3" button to view image in multi-image mode
- "1" button:** Press "1" button to Switch tab between Music / Image / Video / Record
- "EXIT" button:** Return to parent directory.

Video:

- "BLUE" button:** Press "Blue" button to enter to edit sub-menu.
- "2" button:** Press "2" button to open the sort window. You can sort by Name/Time/Size/Favorite.
- "INFO" button:** Press "INFO" button to Set repeat playback mode.
- "1" button:** Press "1" button to Switch tab between Music / Image / Video / Record
- "EXIT" button:** Return to parent directory.

Record:

- "RED" button:** Press "Red" button to open rename window.
- "GREEN" button:** Highlight the program which you want to lock. Press "Green" button, it will ask you to input password. Default password is "0000" or "1234". After input correct password, the program is locked. If you want to unlock the program, press the "Green" button again.
- "YELLOW" button:** Press "Yellow" button to make a delete mark on the program which you want to delete.
- "1" button:** Press "1" button to Switch tab between Music / Image / Video / Record
- "EXIT" button:** Return to parent directory.

HDD Information

This menu can display storage state of HDD.

- 1 In "Media Player" menu, select "HDD Information", press "OK" button to open PVR Storage information window.
- 2 Press "EXIT" button to exit.

• **Format** FAT/NTFS

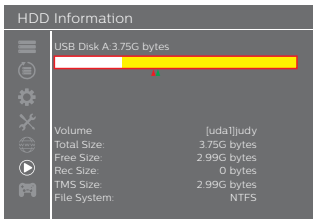
"YELLOW" button: Press YELLOW button to open Disk Mode menu.

"LEFT" or "RIGHT" button: Press "LEFT" or "RIGHT" cursor button to change Disk Mode.
Select "OK" to confirm. Select "Cancel" to cancel.

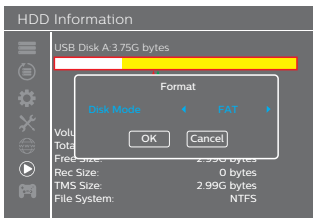
• **DVR Set** REC&TMS/Record/Timeshift

"BLUE" button: Press "BLUE" button to open DVR Set menu.

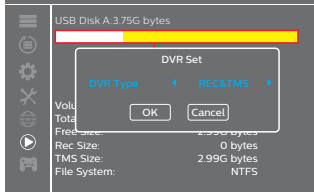
"LEFT" or "RIGHT" button: Press "LEFT" or "RIGHT" cursor button to change DVR Type.
Select "OK" to confirm. Select "Cancel" to cancel.



■ Format ■ DVR Set



HDD Information

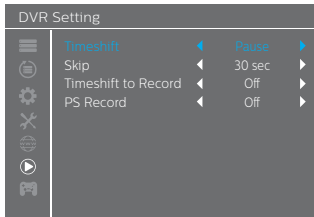


DVR Setting

This menu allows you to set the PVR.

- 1 In "Media Player" menu, Highlight "DVR Setting", press "OK" button to enter DVR Setting sub-menu.
- 2 Press "UP" or "DOWN" cursor button to select desired item, press "LEFT" or "RIGHT" cursor button to change the setting.
- 3 Press "EXIT" button to exit.

- **TimeShift** Pause/Auto/Off
- **Skip** 30sec / 1min / 5min / 10min / 15min / 20min / 30min
- **Timeshift to Record** On/Off
- **PS Record** On/Off



11 Game

Game menu

This menu allows you to play games by the function.

- 1 Press the "MENU" button to enter main menu.
- 2 Press "UP" or "DOWN" button to highlight "Game", press "RIGHT" button to enter the Game menu.
- 3 Press "UP" or "DOWN" cursor button to highlight the desired item and press "OK" button to enter the game.
- 4 Press "EXIT" button to exit.



12 Timeshift/Record

Plugging an external Mass Storage Device on the USB port gives you access to Time Shift/Record a broadcast programme.

- Pause a broadcast programme and continue watching it later (Time Shift)
- Record a broadcast programme.
- When the space available on the Mass Storage Device runs out, recording operation of broadcast will stop.



Note

- Please use USB 2.0 disk when recording or timeshift. For timeshift and recording feature we recommend using a USB or HDD of 2GB or higher.

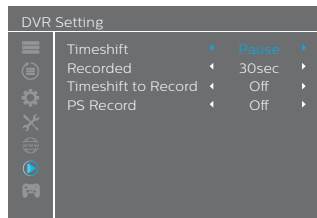
Timeshift

Time shift Quick mode

- 1 During a broadcast programme, press "Play/pause" button to pause the broadcast programme
- 2 Press "Play/pause" button again to continue watching the programme (Time Shift)
- 3 Press "STOP" button to stop Timeshift

Timeshift Setting

- 1 Press "MENU" button to enter the main menu.
- 2 Press "UP" or "DOWN" button to highlight "Media Player", press "RIGHT" or "OK" button to enter the "Media Player" menu.
- 3 Press "UP" or "DOWN" button to select "DVR Setting", press "OK" button to enter the "DVR Setting" menu, then you can set Timeshift Pause/Auto/Off to active Timeshift.



Start Timeshift

- 1 Ensure Timeshift is activated, in channel mode, press the "Pause" button to switch to Timeshift mode.
- 2 Press "RIGHT" or "LEFT" button to move the cursor to the time you desired to view.
- 3 Press "OK" button to enter the Timeshift playback.



Trickmodes

During the playback, it is possible to perform the following actions:

- 1 Press "PAUSE" button to pause the playback
- 2 Press "FORWARD" button to fast forward the playback
- 3 Press "BACKWARD" button to rewind the playback

Stop the Time shift

- 1 Press "STOP" button to stop TimeShift.

Record

Immediate recording

- 1 In viewing mode, press "RECORD" button to immediately start recording on the current program.
- 2 Press "RECORD" button again can input duration.
- 3 Press "STOP" button to stop recording, then a confirmation window appears.
- 4 Select "Yes" to stop recording. Select "No" to continue recording.



Note

- We recommend using a good brand USB 2.0 HDD or USB stick for recording and Timeshift. We cannot guarantee compatibility with each and every USB drive available in the market.

DVR Setting

- 1 Skip: Press "Left/Right" to switch the jump time. The option is 30 second, 1 min, 5min, 10 min, 30min. When you play the recorded program, press the "PREV/NEXT" key can jump to previous and next point see it.
- 2 Timeshift to Record: press the left/right key on the remote control to select ON/OFF. to switch ON/OFF. If you select "ON" and press "RECORD" key in full screen to record, it will record not only from the current time, but also the timeshift part before you pressed "RECORD" key.
- 3 PS Record: On/Off

13 Environment

Preservation of the environment is an essential concern of Philips.

The desire of Philips is to operate systems observing the environment and consequently it has decided to integrate environmental performances in the life cycle of its products, from manufacturing to commissioning, use and elimination.

Meaning of logos present on the product or its packaging



European regulations require packaging to be recycled. It must not be discarded with unsorted waste. There are local arrangements for sorting and recycling this waste.

The looped arrow sign means that the packaging may be recycled and must not be disposed of with household waste.



The logo with three arrows shown on the plastic parts means that they may be recycled and that they must not be disposed of with household waste.



The crossed-out dustbin sign stuck on the product or its accessories means that at the end of its life, the product is subject to selective collection and must not be thrown away in unsorted household waste.

Directive on the Restriction of use of certain hazardous substances in electronic equipment (RoHS)

Your recorder along with the batteries supplied comply with the directive relating to the RoHS – dangerous materials such as lead, mercury or cadmium are not used. This avoids environmental hazards and any risks to the health of personnel at the recycling centres. The batteries of the remote control can be removed simply.

Note: When the batteries of the remote control are worn out, please dispose of them at a collection point and not with household waste.

Electrical consumption of the recorder

To reduce the consumption of your recorder, you are recommended to place it in standby mode when not in use.

We recommend that you turn off the recorder or unplug it from the mains if you will not be using it for a prolonged period of time.

Product recycling and disposal

To facilitate recycling, please respect the sorting rules set up locally for this kind of waste.

If your product contains batteries, they must be disposed of at appropriate collection points.



European regulations ask you to dispose of products belonging to the family of electrical and electronic equipments selectively:

- At the collection points made available to you locally (drop-off centre, selective collection, etc.).
- At sales points in the event of the purchase of similar equipment.

In this way you can participate in the re-use and upgrading of Electrical and Electronic Equipment Waste, which can have an effect on the environment and human health.

European Directive on Waste Electrical and Electronic Equipment (WEEE)

In the context of sustainable development, the reduction of wastes to be eliminated by reusing, recycling, composting and energy recovery is strongly advised.

In order to comply with this directive which is applicable to EEEs sold after 13/08/2005, your recorder will be taken back free of charge and recycled by the distributor of the EEE within the limits of the quantity and types of equipment bought from them. These appliances which contain substances potentially dangerous to human health and the environment will be recycled.

14 Troubleshooting

Using the Set-top box

Problem	Solution	What to do
Standby light not lit	<ul style="list-style-type: none">• Mains lead unplugged•	<ul style="list-style-type: none">• Check mains lead•
No signal found	<ul style="list-style-type: none">• Aerial is disconnected• Aerial is damaged/misaligned• Out of digital signal area	<ul style="list-style-type: none">• Check aerial lead• Check aerial• Check with dealer
No picture or sound	<ul style="list-style-type: none">• Scart/AV is not selected on your TV	<ul style="list-style-type: none">• Reduce to another channel
Scrambled channel message	<ul style="list-style-type: none">• Channel is scrambled	<ul style="list-style-type: none">• Select the right input on your TV
No response to remote control	<ul style="list-style-type: none">• Set-top box power off• Remote not aimed correctly• Front panel obstructed• Remote batteries exhausted	<ul style="list-style-type: none">• Plug the power cord into the wall socket• Aim handset at front panel• Check for obstructions• Replace batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		disable the code by "reset to factory setting"
After moving the Set-top box to another room you find you are no longer able to receive digital reception	<ul style="list-style-type: none">• The aerial feed from new point may come through a distribution system which may reduce the digital signal now received by the box.	<ul style="list-style-type: none">• Try a direct feed from the antenna
For any other problem		<ul style="list-style-type: none">• Perform a default factory reset (see Factory Setting)

Updating the Software

The Set-top box automatically downloads 'over the air' new software and services when they become available. You can also upgrade your Set-top box using a USB stick. Please check www.philips.com to find more information and the most recent software version for your product.

15 Customer Support

At Philips we believe that a high quality product should come with the highest quality customer service.

In the design of this product we have taken great care to ensure the maximum quality possible and are sure that you will be delighted with your purchase.

However, in the rare event that you have any problems with the product and need advice or support you can be confident that we will do our best to help you.

Our dedicated technical helpdesk can be contacted from 09:00 –17:00, Monday to Friday and will offer expert guidance on your product.

16 Specifications

DUAL DVB-T/T2 FRONT END

RF INPUT

- Input frequency range: VHF 174–230MHz UHF470–862 (8 MHz bandwidth)
- Input signal level: -90 to -20 dBm
- Input impedance: 75 Ohms unbalanced
- Tuning step VHF 7M, UHF 8M

DVB-T DEMODULATOR

- Transmission mode: FFT 2k & 8k, MFN and SFN network supported
- Constellation: 16-QAM & 64-QAM
- Guard interval: 1/4, 1/8, 1/16 & 1/32
- Mode: Non hierarchical
- Code rate: 1/2, 2/3, 3/4, 5/6 & 7/8
- Outer decoder: Reed Solomon (204, 188, 8)

DVB-T2 DEMODULATOR

- Transmission mode: FFT 1K, 2k, 4K, 8K, 8K EXT, 16K, 16K EXT, 32K & 32K EXT
- MFN and SFN network supported
- Constellation: 16-QAM, 64-QAM & 256-QAM
- Guard interval: 1/4, 19/128, 1/8, 19/256, 1/16, 1/32 & 1/128
- Single and multiple-PLPs
- LDPC Code rate: 1/2, 3/5, 2/3, 3/4, 4/5 & 5/6

Processor and Memories

- Processor: ALI M3626 ALCAA
- RAM memory 128 Mbytes
- Flash memory 4 Mbytes

Video Decoding

MPEG2

- Standard MPEG-2 MP@HL for 50 Hz
- Input rates (max): 15 Mbit/s

MPEG-4 Part 10 / H.264

- MPEG-4 AVC HP@L4 (HD) for 50 Hz
- Input rates (max): 20 Mbit/s for HP@L4
- MPEG-4 AVC HP@L3 (SD) for 50 Hz
- Input rates (max): 10 Mbit/s for HP@L3
- CABAC and CAVLC decoding
- Supports all intra/inter prediction modes and block sizes, I, P and B picture types
- Fidelity range extensions (8x8 Transforms, 8x8 Spatial Prediction Mode, Dynamic Quantization Matrix) HEVC/H.265

Audio Decoding

Stereo 2.0

- MPEG-1 layer I & II (Musicam)
- MPEG-2 layer II
- Mode: Mono, stereo, joint stereo
- Sampling rates 32, 44.1 or 48 KHz

Multichannel 5.1

- DOLBY Digital (AC3)
- Mode: pass through and down mixing
- DOLBY Digital+ (E-AC3)
- Mode: pass through, transcoding Dolby Digital, and down mixing

Output Resolution Format

For HD broadcast

- 720P@50Hz 720P@60Hz 1080I@50Hz 1080I@60Hz 1080P@50Hz 1080P@60Hz

For SD broadcast

- 480I 480P 576I 576P
- 4/3 and 16/9 with conversion Pan and Scan, Letter box

SD INPUT/OUTPUT

SCART (Set-top box setup configuration)

- SCART (Set-top box setup configuration) RGB in, PAL out, S-Video out, fixed volume Audio R/L, Slow blanking out

HDMI Output

HDMI 1.4 and HDCP 1.1

- VIDEO: YCrCb
- AUDIO:
 - 2 channels PCM in case of MPEG1-layer II
 - Dolby Digital or PCM in case of AC3 beat stream (*)
 - Dolby Digital Plus, Dolby Digital or PCM in case of E-AC3 beat stream (*)
- (*) according of E(EDID) information

AUDIO Output

HiFi audio output

- Adjustable audio level
 - Mono/Stereo in case of MPEG1-layer II
 - Two channels down mixed in case of AC3, E-AC3, HEAAC audio stream

Coax S/PDIF

- Stereo audio setup:
 - Fixed audio level -20 dBKFS
 - Two channels PCM in case of MPEG1-layer II or AAC stream
 - Two channels PCM down mix in case of AC3/E-AC3

HEAAC streams

- Multichannel audio setup:
 - Fixed audio level -31 dBKFS
 - Two channels PCM in case of MPEG1-layer II or AAC stream
 - Originally received bit stream in case of AC3
 - Transposed AC3 in case of E-AC3

Front panel

- 1 x 4-Digit 7-segment LED display
- 1 x IR sensor: 38 kHz
- 1 x Bicolour LED
- 1 x USB 2.0 connector (Type A Host)

Power supply

- Mains supply voltage: 220-240 V – 50 Hz
- Max. Power consumption: < 12 W
- Standby consumption: < 1 W

Physical Specifications

Set-top box

- Size (wxdxh): 148x110x35 mm
- Weight: 0.27Kg
- Operating temperature: 0°C to +40°
- Storage temperature: -25°C to +65°C

Accessories

- 1 x Remote control
- 2 x AAA batteries
- 1 x Safety condition
- 1 x Quick start guide
- 1 x Warranty card

DOLBY AUDIO™

Manufactured under license from Dolby Laboratories.
Dolby and the double-D symbol are trademarks of Dolby Laboratories.

Language	Products without Radio
German	Hiermit erklärt X-GEM SAS, dass die Geräte in Übereinstimmung mit den Richtlinien 2014/30 / EU, 2014/35 / EU, 2009/125 / EG, 2011/65 / EU sind. Der vollständige Wortlaut der EU-Konformitätserklärung steht unter folgender Internet-Adresse zur Verfügung: www.philips.com
French	Par la présente, X-GEM SAS déclare que l'équipement est en conformité avec les directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU. Le texte complet de la déclaration de conformité européenne est disponible à l'adresse internet suivante : www.philips.com
English	Hereby, X-GEM SAS declares that the equipment is in compliance with Directives 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: www.philips.com
Italian	Con la presente, X-GEM SAS dichiara che il prodotto è conforme alle direttive 2014/30/EU, 2014/35/EU, 2009/125/EC e 2011/65/EU. Il testo completo della dichiarazione europea di conformità è disponibile al seguente link: www.philips.com
Spanish	Por medio de la presente, X-GEM SAS declara que el equipo cumple con las Directivas 2014/30 / UE, 2014/35 / UE, 2009/125 / CE, 2011/65 / UE. El texto completo de la declaración de conformidad de la UE está disponible en la siguiente dirección Internet: www.philips.com
Dutch	X-GEM SAS verklaart hiermee dat de uitrusting aan de Directieven 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU voldoet. De volledige tekst van de EU-conformiteitsverklaring is terug te vinden op het volgende internetadres: www.philips.com
Portuguese	A X-GEM SAS declara que o equipamento está em conformidade com as Directivas 2014/30/UE, 2014/35/UE, 2009/125/CE, 2011/65/UE. O texto integral da declaração de conformidade da UE está disponível através do seguinte endereço da Internet: www.philips.com
Swedish	Härmed, försäkrar X-GEM SAS att utrustningen är i enlighet med direktiven 2014/30 / EU, 2014/35 / EU, 2009/125 / EG, 2011/65 / EU. Den fullständiga texten av EU-försäkran om överensstämmelse finns på följande internetadress: www.philips.com
Danish	Herved, erklærer X-GEM SAS, at udstyret er i overensstemmelse med direktiv 2014/30 / EU, 2014/35 / EU, 2009/125 / EF, 2011/65 / EU. Den fulde tekst af EU-overensstemmelseserklæringen er tilgængelig på følgende internetadresse: www.philips.com
Norwegian	X-GEM SAS erklærer herved at apparatene er i samsvar med direktivene 2014/30 / EU, 2014/35 / EU, 2009/125 / EG, 2011/65 / EU. Den komplette teksten for EU-samsvarserklæringen er tilgjengelig på følgende internett-adresse: www.philips.com
Finnish	X-GEM SAS vakuuttaa täten, että laitteisto täyttää direktiivien 2014/30/EY, 2014/35/EY, 2009/125/EY, 2011/65/EY vaatimukset. Täydellinen EY-vaatimustenmukaisuusvakuutus on luettavissa seuraavasta verkko-osoitteesta: www.philips.com
Czech	Společnost X-GEM SAS tímto prohlašuje, že toto zařízení odpovídá požadavkům směrnice 2014/30/EU, 2014/35/EU, 2009/125/ES a 2011/65/EU. Celý text prohlášení o shodě platném pro EU je k dispozici na následující internetové adrese: www.philips.com
Slovak	Týmto spoločnosť X-GEM SAS prehlasuje, že vybavenie je v súlade s normami 2014/30/EÚ, 2014/35/EÚ, 2009/125/ES, 2011/65/EÚ. Kompletný text vyhlásenia o zhode s EÚ je dostupný na nasledujúcej internetovej adrese: www.philips.com
Hungarian	X-GEM SAS ezennel kijelenti, hogy a készülék teljesíti a 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU irányelveket. Az EU megfelelőségi nyilatkozat teljes szövege a következő internet címen érhető el: www.philips.com
Polish	Niniejszym X-GEM SAS deklaruje, że urządzenia są zgodne z wymogami dyrektyw 2014/30/UE, 2014/35/UE, 2009/125/WE, 2011/65/UE. Pełny tekst deklaracji zgodności UE jest dostępny na następującej stronie internetowej: www.philips.com
Turkish	Bu vesile ile X-GEM SAS, Cihaz Direktifleri 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU ile uyumlu olduğunu beyan eder. AB uygunluk beyanı tam metni aşağıdaki internet adresinde mevcuttur: www.philips.com
Greek	Δια του παρόντος, η X-GEM SAS δηλώνει ότι ο εξοπλισμός έχει συμμορφωθεί με τις οδηγίες 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU. Ολόκληρο το κείμενο της Ευρωπαϊκής δήλωσης συμμόρφωσης είναι διαθέσιμο στην ακόλουθη διεύθυνση Internet: www.philips.com
Romanian	Prin prezenta, X-GEM SAS declara ca echipamentul este in conformitate cu Directivile Europene 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU. Textul integral al declaratiei de conformitate UE este disponibil la urmatoarea adresa de internet: www.philips.com
Bulgarian	С настоящото, X-GEM SAS декларира, че оборудването е в съответствие с директиви 2014/30 / ЕС, 2014/35 / ЕС, 2009/125 / ЕО, 2011/65 / ЕС. Пълният текст на ЕС декларацията за съответствие е достъпна на следния интернет адрес: www.philips.com
Croatian	X-GEM SAS ovim putem izjavljuje da je oprema uskladen sa smjernicama 2014/30/EU, 2014/35/EU, 2009/125/EC, 2011/65/EU. Puni tekst EU deklaracije usklađenosti dostupan je na sljedećoj internjoj adresi: www.philips.com
Serbian	Ovim X-GEM SAS izjavljuje da su uređaji usklađeni sa direktivama 2014/30 / EU, 2014/35 / EU, 2009/125 / EG, 2011/65 / EU. Kompletan tekst EU izjave o usklađenosti je dostupan na sledećoj internet adresi: www.philips.com



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