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DTR3000

User manual

PHILIPS

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 Directive1999/5/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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double-D symbol are registered trademarks of Dolby Laboratories Inc.

Note

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

Contents

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 ofan extension cable (with multi-points) is not recommended.

Warnings and safety instructions

· In case of failure, the power cable is the disconnect device for this equipment. To remove all electrical power from the equipment, disconnect the power cable from the electrical outlet.

· 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 ofconnection 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 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
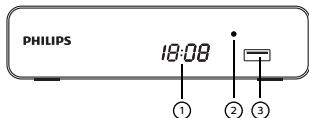
① Digital display
- Shows the current time when theSet-top box is in standby.
- Shows the programme number when the Set-top box is on.
- Shows hard disk activity(recording in progress,programme playback,...)

② LED
- **Green** : Operating
- **Red** : Standby

③ USB port

Rear panel of the Set-top box
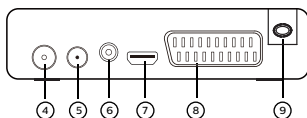
④ Antenna input

⑤ Antenna output (Loopthrough only)

⑥ Digital audio connector (S/PDIF)

⑦ HDMI Digital video audio connector

⑧ SCART connector (to TV or VCR/ DVD)

⑨ AC Mains

Overview of the remote control

⑥ EPG
- Open up Electronic Program Guide Menu

⑦ ◄ ► ▲ ▼
- Move in a page,a menu... /CH+,-/VOL+,-

⑧ OK
- Display the channel list,confirm a selection

⑨ MENU
- Access menus

⑩ ◄◄ ►►
- Rewind/Fastforward

⑪ 0 to 9
- Access channels and various on-screen options

⑫ TTX
- Display Teletext pages when available

⑬ 🔇
- 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
- Enter media player from U stick

㉑ ◄◄ ►►
- (Skip backward/Skip forward

㉒ FAV
  Open up Favourite list

㉓ SUBTITLE
- On/Off Subtitle

① ⏻
- Put the Set-top box in standby mode/Wakeup the Set-top box from standby mode

② ■
- Stop

③ ►II
- Play/Pause

④ TV/RADIO
- Switch between TV and Radio/Red button

⑤ MEDIA
- Enter PVR menu for U stick/Green button

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).
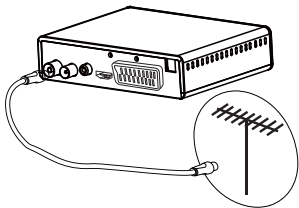
Connection to the TV set

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.
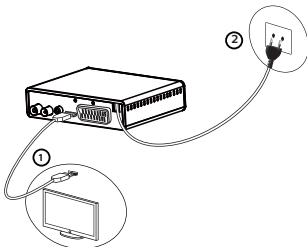
Connection to a Standard-Definition television set

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.
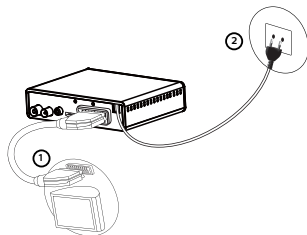
Connection to a Home cinema system

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.
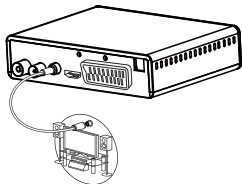
Note

· 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 (MENU) 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,

- (OK) or (↕) to enter a menu,

- (OK) to access the previous menu,

Menus presentation

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

(MENU) > Menu > Submenu

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

1 Press the (MENU) 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 (OK) .

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
		First Audio
		Second Audio
		Subtitle Language
		Teletext
		Subtitle
	TV System	Video Resolution
		Aspect Mode
		Connection
		Digital Audio Out
	Local Time Setting	Region
		GMT Usage
		GMT Offset
		Daylight Saving
		Date
		Time
	Timer Setting	Timer Mode
		Timer Service
		Wakeup Channel
		Wakeup Date
		Wakeup Time
		Duration
	Parental Lock	Menu Lock
		Parental rating
		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

Game	Othello
	Sudoku

Media Player	Records
	Video
	Music
	Image
	HDD Information
	DVR Setting

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.

Welcome		
Region	◀ France	▶
Language	◀ English	▶
Display Mode	◀ 720p@50HZ	▶
Aspect Mode	◀ 4:3LB(Letter box)	▶
OK		
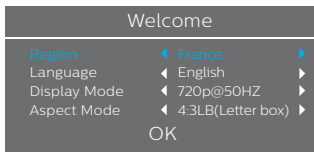
Installation

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.

Installation
Auto Scan
Channel Scan
LCN
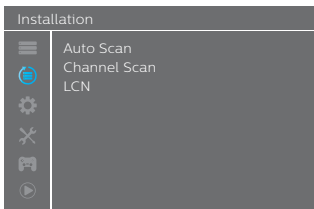
Auto Scan

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 .

Auto Scan		
FTA Only	◀	No ▶
T2 Signal Only	◀	No ▶
Search		
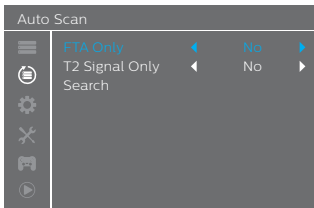
Channel Scan

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 .

Channel Scan		
Scan Mode	◀	By Channel ▶
Scan Band		UHF
Channel No.	◀	CH21(474000KHz) ▶
Frequency		474000KHz
Bandwidth		8MHz
Network Search	◀	No ▶
Signal Strength		0%
Signal Quality		0%
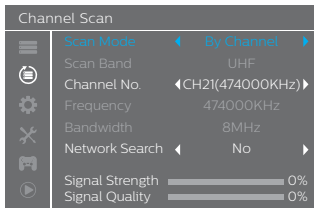
LCN

You can activate/disactivate 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.
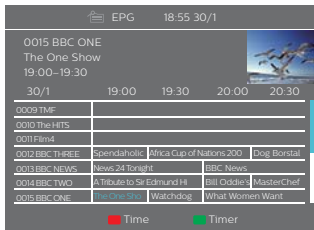
EPG Pre-Records:

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.
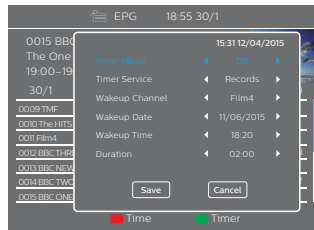
Edit Channel

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.

Edit Channel

All TV

Sort Rename Delete

0009 TMF
0010 The HITS
0011 Film4
0012 BBC THREE
0013 BBC NEWS
0014 BBC TWO
0015 BBC ONE

i

DVBT
Film4
538000/8K/64QAM
PID:701/702/701
GI:1/32 FEC:7/8

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 point different: In "Radio Channel List" mode, there is no video information, so it will always display Radio's logo in the right side preview window.

Delete All

1 In the Edit Channel menu, select "Delete All", press "OK" button.You are 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.

Edit Channel

TV Channel List

Warning! Do you really want to delete all channels?

Yes No

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.

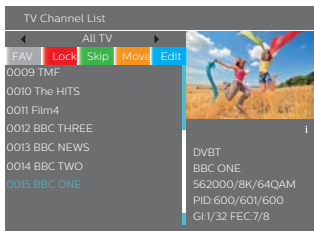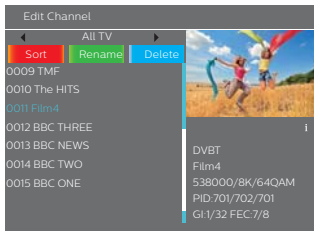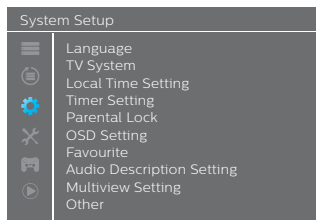| System Setup |
| --- |
| Language |
| TV System |
| Local Time Setting |
| Timer Setting |
| Parental Lock |
| OSD Setting |
| Favourite |
| Audio Description Setting |
| Multiview Setting |
| Other |

Language

This menu allows you to set Language.

Language		
Language	◄	English ►
First Audio	◄	English ►
Second Audio	◄	French ►
Subtitle Language	◄	English ►
Teletext	◄	English ►
Subtitle	◄	Off ►
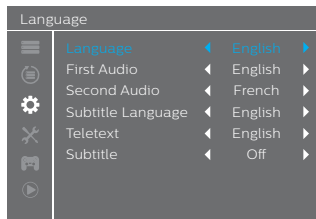
TV System

This menu allows us 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
Connection:	CVBS/RGB
Digital Audio Out:	BS Out/LPCM Out

TV System		
Video Resolution	◄ 720p@50HZ ►
Aspect Mode	◄ Auto ►
Connection	◄ CVBS ►
Digital Audio Output	◄ LPCM Out ►
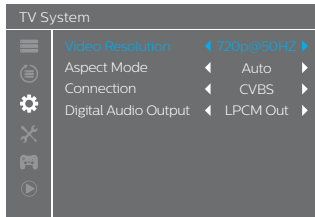
Local Time Setting

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
GMT Offset:	This 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.
Summer Time:	The options are: On/Off
Date:	"Date" and "Time" menus are valid only when selected "Off" in GMT Usage menu.
Time:	Press numeric button to input the time.

Local Time Setting		
Region	◄ United Kingdom ►
GMT Usage	◄ By Region ►
GMT Offset	◄ GMT+00:00 ►
Daylight Saving	◄ On ►
Date	◄ 12/07/2015 ►
Time	◄ 15:16 ►

Reykjvik,Casablanca,Lisbon,Dublin,London
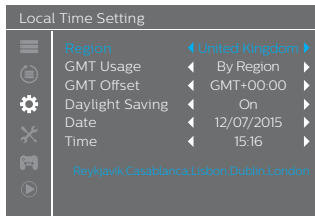
Time Setting

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

Timer Mode:	Off/Once/Daily/Weekly/Monthly
Timer Service:	Channel/Records
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.

Timer Setting

		15:31 12/04/2015
1	Timer Mode	Off
2	Timer Service	◄ Channel ►
3	Wakeup Channel	◄ Film4 ►
4	Wakeup Date	◄ 11/06/2015 ►
5	Wakeup Time	◄ 18:20 ►
6	Duration	◄ 02:00 ►
7		Save Cancel
8		

Parental Lock

This menu allows you to protect menu and channel, and change the Password.

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   Off / AGE 4 / AGE5 / AGE6 / AGE7 / AGE8 / AGE9 /AGE10 / AGE11 / AGE12 / AGE13 / AGE14 / AGE15 / AGE16 / AGE17 / AGE18

New Password   To change the password.
Confirm Password To confirm the new password.

Parental Lock

Menu Lock	◄ Off ►
Parental rating	Off
New Password	◄ – – – – ►
Confirm Password	◄ – – – – ►

OSD(Open Screen Display) Setting

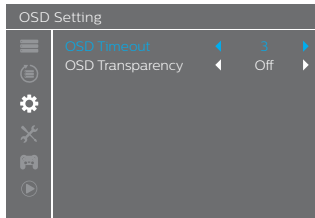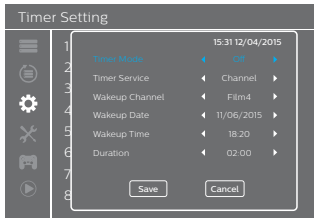This menu allows you to set OSD Timeout and OSD Transparency .

OSD Timeout: 1–10
OSD Transparency: To set the OSD transparency to Off / 10% / 20% / 30% / 40%.

OSD Setting

OSD Timeout	◄ 3 ►
OSD Transparency	◄ Off ►
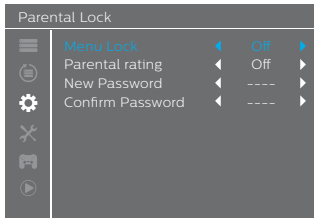
Favourite

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.

Favourite

	Rename
1 Favourite1	Favourite1
2 Favourite2	A B C D E F
3 Favourite3	G H I J K L
4 Favourite4	M N O P Q R
5 Favourite6	S T U V W X
7 Favourite7	Y Z 0 1 2 3
8 Favourite8	4 5 6 7 8 9
	SP . <- OK

🔴 CAPS 🟡 Del 🔵 OK
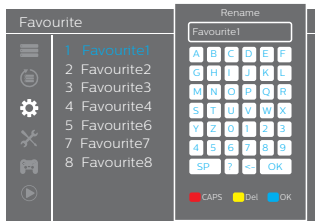
Audio Description Setting

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

Audio Description Setting

AD Service	◄ Off ►
Use AD as default	◄ Off ►
AD Volume Offset	◄ 0 ►

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
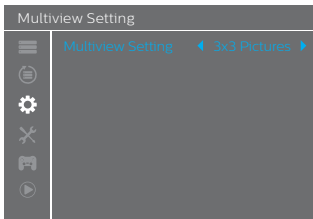
4+1 Pictures

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
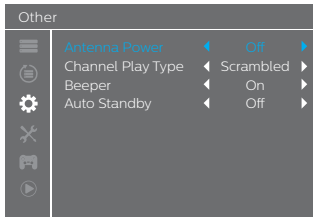
8 Tools

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.

Tools

≡	Information
≣	Load Factory Setting
⚙	Software upgrade by OTA
✕	Software upgrade by USB
🎮	Remove USB device safely
▶	

Information

This menu can display Hardware Moudule, Hardware Version, Software Moudule, Software Version of this Set Top Box and date.

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

Information

≡	HW_Module:	M3821
≣	HW_Version:	MC6583-VER1.0
⚙	SW_Module:	HDT2-148A
✕	SW_Version:	DVB-T2 HDV1.0.2
🎮	Date:	May14 2015
▶		

Factory Setting

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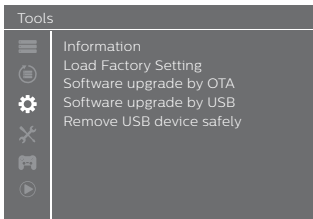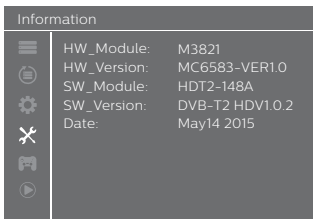
1 In the "Tools" menu, select "Load Factory Setting", press "OK" button.
You are asked to input a password(the default password is"0044" or "3327").
2 A confirmation window is displayed.
Select "Yes" to return back to factory settings and clear all channels.
Select "No" to cancel back to factory settings.

3 Press "EXIT" button to exit .

Load Factory Setting

This operation will delete all channels and settings and the system will reboot to the first time installation, continue?

Yes   No
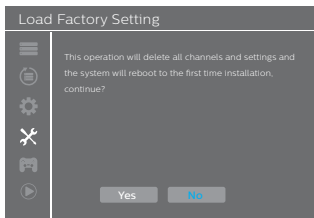
Software Update

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.

Tools

≡	Information
≣	Load Factory Setting
⚙	Software upgrade by OTA
✕	Software upgrade by USB
🎮	Remove USB device safely
▶	
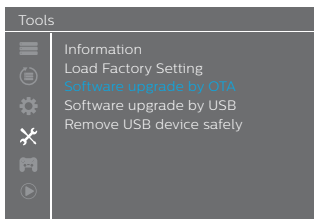
Remove USB device safely

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.

Tools

≡	Information
≣	Load Factory Setting
⚙	S/V
✕	Up
🎮	Re
▶	

Disk Remove

Remove   ◀ USB Disk A: 3 GB ▶

OK   Cancel
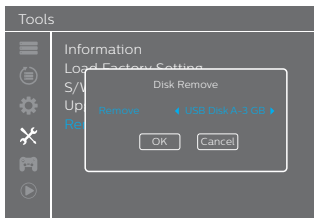
9   Game

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.

Games
Othello
Sudoku

10 Media Player

Media Player main menu

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

1 Press the "MENU" button to enter main menu.

2 Press "UP"or "DOWN" button to highlight "Midia Player", press "RIGHT" button to enter the Midia 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 Player
☰   Records
🖭   Video
⚙   Music
✕   Image
🎞   HDD Information
▶   DVR Setting
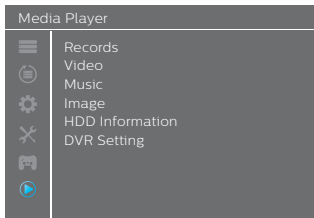
Media Playback

This function allows you to play musics, videos , pictures and native recoder 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 / PVR.

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.

🖥 Records	🎵 Music	🖼 Image	📹 Video

◀	USB1	▶

No.	Date	Name
1	30/10	Dale kory zmieni mo
2	12/10	Guilaume GRAND

「TS」Polsat
17:03–17:04
19M

00:00:00 00:00:50

▶ ⏸ ◼

🔴 Rename   🟢 Lock   🟡 Delete
1 Switch   Exit 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 / PVR
"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 / PVR
"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 / PVR
"EXIT" button:	Return to parent directory.

PVR:

"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 / PVR
"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.

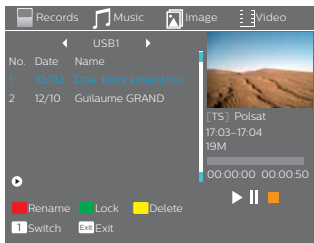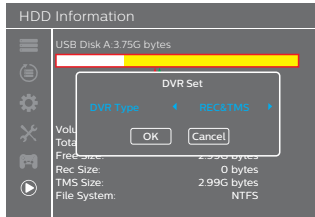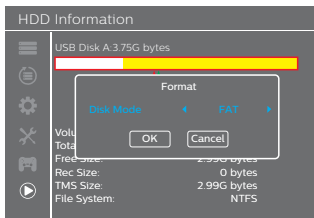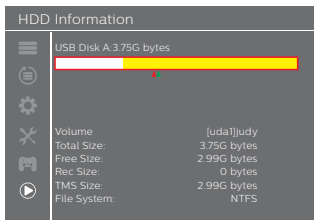|	
• Format	FAT/NTFS
"YELLOW" button:	Press YELLOW button to open Disk Mode menu.
"LEFT" or "RIGHT" button:	Press "LEFT" or "RIGHT" cursor button to change Disk Mode.
	Select "OK" to confirm. Select "Cancel" to cancel.
• DVR Set	REC&TMS/Record/Timeshift
"BLUE" button:	Press "BLUE" button to open DVR Set menu.
"LEFT" or "RIGHT" button:	Press "LEFT" or "RIGHT" cursor button to change DVR Type.
	Select "OK" to confirm. Select "Cancel" to cancel.

HDD Information

USB Disk A.3.75G bytes

Volume	[uda1]judy
Total Size:	3.75G bytes
Free Size:	2.99G bytes
Rec Size:	0 bytes
TMS Size:	2.99G bytes
File System:	NTFS

▢ Format ▢ DVR Set

HDD Information

USB Disk A.3.75G bytes

Format

Disk Mode   ◀   FAT   ▶

OK   Cancel

Volu...	
Tota...	
Free Size:	2.99G bytes
Rec Size:	0 bytes
TMS Size:	2.99G bytes
File System:	NTFS

HDD Information

USB Disk A.3.75G bytes

DVR Set

DVR Type   ◀   REC&TMS   ▶

OK   Cancel

|	
Volu...	
Tota...	
Free Size:	2.99G bytes
Rec Size:	0 bytes
TMS Size:	2.99G bytes
File System:	NTFS

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	AUTO / Pause / Off
• Step to	30sec / 1min / 5min / 10min / 15min / 20min / 30min
• Timeshift to Record	On/Off
• PS Record	On/Off
• After Recording	Watch TV/Goto Standby

DVR Setting

Timeshift	◀	Off ▶
Step to	◀	30 sec ▶
Timeshift to Record	◀	Off ▶
PS Record	◀	Off ▶
After Recording	◀ Go to Standby-mode ▶
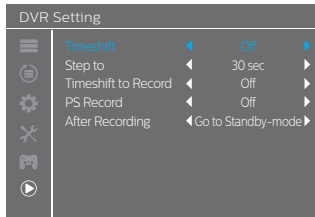
11 Timeshift/Record

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, you need take bigger size USB pen driver or HDD (>2GB) for recording.
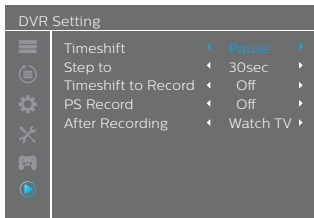
Timeshift

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 Auto/Pause to active Timeshift.

DVR Setting		
Timeshift	◄ Pause	►
Step to	◄ 30sec	►
Timeshift to Record	◄ Off	►
PS Record	◄ Off	►
After Recording	◄ Watch TV	►

Initiate

1 Ensure Timeshift is actived, 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.

• *Off*	Deactivate Time Shift
• *Pause*	Press "Pause" Activate Time Shift
• *Auto*	Activate Time Shift automaticlly in Set Top Box working mode.

TF1 ● 02/0 📡 00:22
Play 00:00:40 00:00:53 100%
▶ 772 188 272 TS

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

Instant record

1 In viewing mode, press "RECORD" button to instantaneously start a record 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**
>
> · Please select famous brand USB 2.0 USB HDD or USB stick for Recording and Timeshift, Some USB devices maybe can't be supported due to its quality.

12 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.

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 Electricaland 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.

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.

13 Troubleshooting

Using the Set-top box

Problem	Solution	What to do
Standby light not lit	• Mains lead unplugged •	• Check mains lead •
No signal found	• Aerial is disconnected • Aerial is damaged/misaligned • Out of digital signal area	• Check aerial lead • Check aerial • Check with dealer
No picture or sound	• Scart/AV is not selected on your TV	• Reduce to another channel
Scrambled channel message	• Channel is scrambled	• Select alternative channel
No response to remote control	• Set-top box power off • Remote not aimed correctly • Front panel obstructed • Remote batteries exhausted	• 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	• The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	• Try a direct feed from the antenna
For any other problem		• 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.

14 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.

15   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: QPSK, 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 Salomon (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: QPSK, 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 M3821 ALCA
- RAM memory 64 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)

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 dBLKFS
  - 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 dBLKFS
  - 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
DIGITAL PLUS

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PHILIPS

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