

DTR2610/24





MANUALE D'UTILIZZO

USER MANUAL



PHILIPS

Meaning of symbols

	Important information: Must be read and understood.
	The "Material recyclability symbol" means the package cardboard or User manual paper is recyclable.
	The "Material recyclability symbol" affixed on plastic parts means these parts are recyclable.
	The "Green Dot" affixed on cardboard means PHILIPS pays a financial duty to the "Avoidance and Recovery of Packaging Waste" organization. This receiver contains a large number of materials that can be recycled. If you are disposing of an old receiver, please take it to a recycling centre.

Safety and environmental instructions



Your receiver has been manufactured to meet the appropriate safety standards, but the instructions below should be followed to operate it safely.

These instructions must be kept for future reference.

- Before connecting the receiver to the mains, check that the mains supply voltage corresponds to the voltage printed on the rear of the receiver. If the mains voltage is different, consult the dealer.
- The receiver does not contain any user-serviceable parts. All maintenance work must be carried out by qualified personnel.
- If you disconnect the receiver from the mains, make sure to unplug it from the wall socket and not just from the AC socket at the back of the unit. Children could seriously injure themselves, as the free end of the cable is still alive.
- Unplug the receiver during lightning storms.
- To prevent fire or shock hazard, do not expose this equipment to rain or moisture.
- The receiver should be placed on a firm surface, and the ventilation openings must not be covered with items such as newspapers, table clothes, curtains, etc.
- Do not install the receiver near any heat sources such as radiators, stoves or any other apparatus that produces heat. Protect it from direct sunlight.
- When installing the receiver, ensure there is a gap of approximately 2.5 cm around the receiver to enable air to circulate freely and prevent overheating.
- Leave accessible the mains connector at the back of the unit in case emergency shutdown is required.
- Do not place any combustible objects on the receiver (candles, etc.).
- No objects filled with liquids, such as vases, should be placed on the unit. The receiver should not be exposed to dripping or splashing. Should this happen, disconnect your receiver from the mains and consult your dealer.
- Make sure that children do not place any foreign objects in any of the openings.
- For cleaning, use a soft, damp (not wet) cloth. Never use any abrasive cloth or aerosol cleaners.

Contents

Meaning of symbols _____	1
--------------------------	---

Safety and environmental instructions _____	1
---------------------------------------------	---

Contents _____	2
----------------	---

1 Unpacking _____	3
--------------------------	---

2 Installation guide _____	3
-----------------------------------	---

3 Product description _____	6
------------------------------------	---

3.1 Front view _____	6
-------------------------	---

3.2 Rear view _____	7
------------------------	---

4 Remote Control _____	8
-------------------------------	---

5 Day to Day operation _____	9
-------------------------------------	---

5.1 Turn ON your receiver or switch to low power _____	9
-----------------------------------------------------------	---

5.2 Wake up your receiver or switch to standby _____	9
---------------------------------------------------------	---

5.3 Change channel _____	9
-----------------------------	---

5.3.1 Using number keys _____	9
----------------------------------	---

5.3.2 Using P+ and P- _____	9
--------------------------------	---

5.3.3 Using the channel list(s) _____	9
------------------------------------------	---

5.3.4 Using BACK (last channel recall) _____	9
-------------------------------------------------	---

5.4 Selecting digital TV or digital Radio _____	10
----------------------------------------------------	----

5.5 Channel Banner _____	10
-----------------------------	----

5.6 Changing the current programme options _____	11
-----------------------------------------------------	----

5.7 How to Run MHP Interactive Applications _____	11
------------------------------------------------------	----

6 Main Menu _____	12
--------------------------	----

6.1 Menu navigation _____	13
------------------------------	----

6.2 Channel manager _____	13
------------------------------	----

6.3 Timer manager _____	14
----------------------------	----

6.4 For Parents _____	15
--------------------------	----

6.4.1 Decoder Lock _____	15
-----------------------------	----

6.4.2 Parental Control _____	15
---------------------------------	----

6.4.3 Change your PIN code _____	15
-------------------------------------	----

6.5 Data channels _____	15
----------------------------	----

6.6 Your preferences _____	15
-------------------------------	----

6.6.1 Display options _____	16
--------------------------------	----

6.6.2 Language options _____	16
---------------------------------	----

6.7 Installation _____	16
---------------------------	----

6.7.1 Local Time _____	16
---------------------------	----

6.7.2 Settings _____	16
-------------------------	----

6.7.3 Signal meter _____	18
-----------------------------	----

6.7.4 Channel Search _____	18
-------------------------------	----

6.7.5 Decoder Status _____	18
-------------------------------	----

6.7.6 Factory Reset _____	18
------------------------------	----

6.8 Help _____	18
-------------------	----

7 Advanced Settings _____	19
----------------------------------	----

7.1 Easy Recording _____	19
-----------------------------	----

7.2 Remote control setting _____	20
-------------------------------------	----

8 Troubleshooting guide _____	21
--------------------------------------	----

9 Technical Specifications _____	22
-----------------------------------------	----

I Unpacking

As you unpack your receiver, please make sure the following accessories are included:



Remote control
with batteries



Mains cord



SCART cable

The package also includes the following documents:

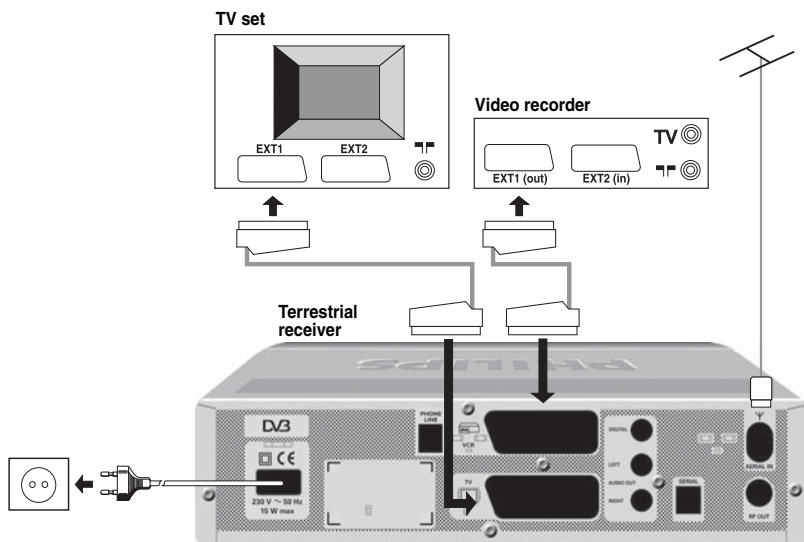
- User Manual
- Philips World-Wide Guarantee

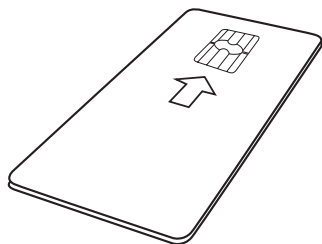


Plastic bags can be dangerous. To avoid suffocation keep the bag away from babies and children.

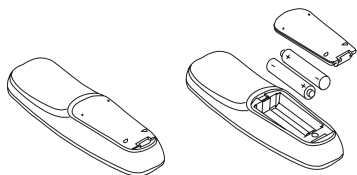
2 Installation guide

Please refer to the safety section before connecting your receiver.





The smart card golden or silver contacts must be facing up at card insertion.

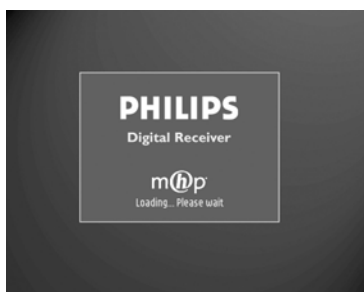


The "crossed-out wheeled bin" means separate disposal is required for the receiver, accessories and used batteries. They mustn't be disposed of with your household waste. Please, inquire about the local regulations.

For information: the Philips batteries supplied with your receiver remote do not contain hazardous substances such as Mercury, Cadmium, or Lead.

- 1 Disconnect your TV set and recorder from the mains.
- 2 Integrate your receiver in your existing installation as shown on the above diagram.
- 3 Insert the two batteries supplied in your remote control.
- 4 Reconnect your TV set and recorder to the mains. Do not connect your receiver to the mains yet!
- 5 Switch on your TV set and select a channel.
- 6 Plug the receiver's power supply cord to the mains. The receiver front panel green LED gets on.
- 7 Now you should see the **Welcome** screen on your TV screen. After a few seconds, the **Welcome** screen disappears.
- 8 Then, a screen appears, that allows you to select the language. Highlight the desired language by pressing **▲** or **▼**, and then press **OK**.

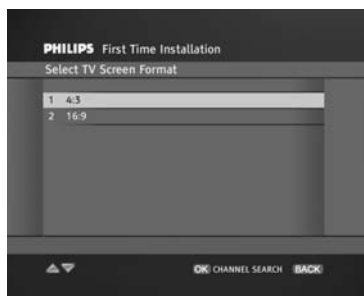
You are prompted to confirm your choice by pressing **OK** again.





- 9 Next, highlight the country where you operate the receiver by pressing **▲** or **▼**, and then press **OK**.

You are prompted to confirm your choice by pressing **OK** again.



- 10 The next screen is used to select both the TV screen format corresponding to your TV set and update mode. Highlight the appropriate format by pressing **◀** or **▶**, then move to the update mode selection using **▲** or **▼**, and highlight Yes to allow for automatic software upgrade. Alternatively, highlight No if you prefer to be notified when software upgrade is available. Press **OK** to initiate the channel search.



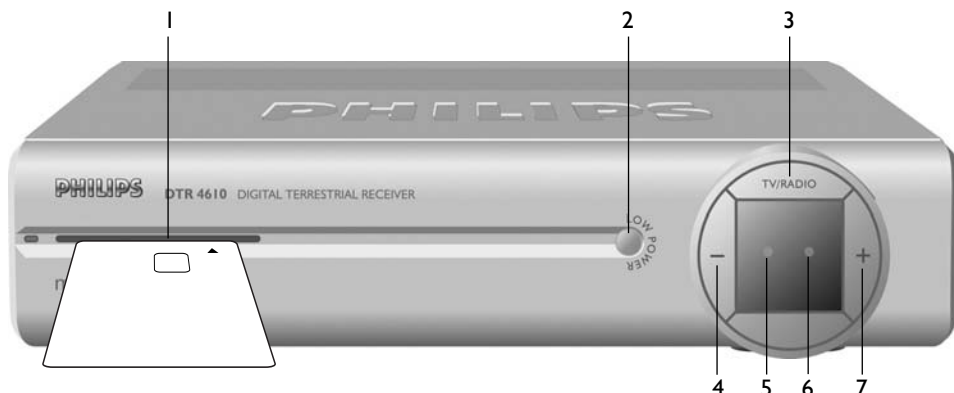
- 11 Once it has been completed, follow the prompts displayed on the screen.

Press **OK** to store the channels found and tune the receiver to the first found TV channel.

Now you are ready to enjoy viewing digital terrestrial TV. Refer to chapter 5 and 6 to learn more about using your receiver.

3 Product description

3.1 Front view



- 1 Smartcard slot**
- 2 LOW POWER button:** Switch the receiver on or to "low power".
- 3 TV/RADIO button:** Toggle between digital TV and digital radio.
- 4 "-" button:** Channel down.
- 5 Bicolour LED:** Display receiver status (see status indicator table).
- 6 Red LED** Display receiver status (see status indicator table).
Blink at remote control command reception.
- 7 "+" button:** Channel up.

STATUS INDICATOR TABLE

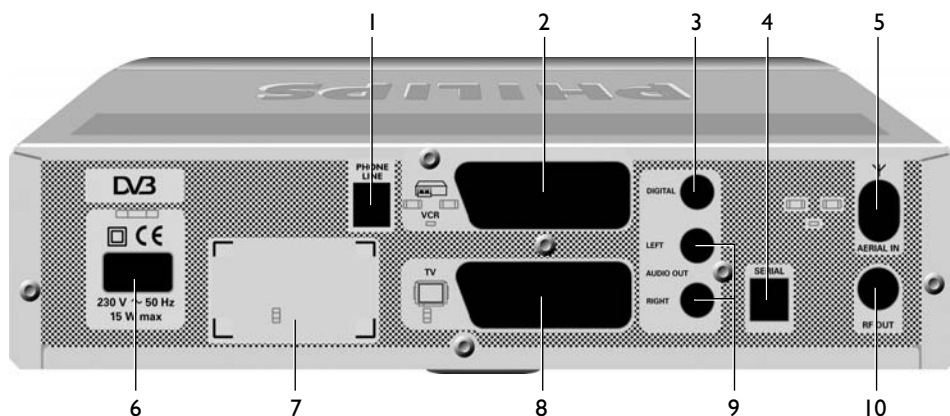
Mode \ Indicator	Red LED	Bicolour LED
Low power	red	
Standby		Orange
TV/Radio mode		green
Download in progress	Blinking red	
Timer active when receiver on	red	green
Timer active when receiver in standby	red	orange

Note: if the red LED is blinking while your receiver is in "Standby", it indicates that an upgrade of your receiver software is taking place. Do not interrupt this operation. Wait for the green LED to light up, indicating successful upgrade, and then continue as normal.



Your receiver, as any electronic equipment, consumes power. In order to reduce power consumption, please switch your receiver to either Standby or "Low Power" whenever you are not using it. For maximum energy saving we recommend you switch off the receiver by unplugging it from the mains if you are not using it **for a long time**.

3.2 Rear view



- | | |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1 Telephone Line*** (3) | To connect the supplied telephone cord to be connected to your telephone line using the appropriate adapter (adapter not supplied). |
| 2 VCR SCART* (1) | To connect a SCART lead to be connected to the SCART socket input (EXT1) of your VCR or DVD Recorder. |
| 3 Digital Audio* | To connect to one of the digital audio input of your HiFi /audio receiver system. |
| 4 Serial* | Data interface used during servicing. |
| 5 Aerial In* | To connect the plug of your aerial cable. |
| 6 230V~50Hz 15W max** | To connect the supplied mains cord to be connected to the power socket. |
| 7 Label | Type and serial number of your receiver. |
| 8 TV SCART* (1)(2) | To connect the supplied SCART lead to be connected to the SCART socket input of your TV set. |
| 9 L/R Audio Output* | To connect to the Left/Right audio Cinch inputs of your HIFI/audio receiver system. |
| 10 RF Out* | To connect the supplied RF coaxial cable to be connected to the aerial input socket of your TV or VCR. |

* Safety Extra Low Voltage

** Hazardous Voltage

*** Telecommunication Network Voltage 3

- (1) SCART is also called Euroconnector or Peritel.
- (2) The supplied SCART lead is suited for RGB format, which allows the best picture quality. Consult the user manual of your TV set to select its RGB capable SCART socket input.
- (3) This equipment has been approved pursuant to Commission Decision 99/303/EC for pan-European connection to the public switched telephone network (PSTN). However, due to differences between the individual PSTNs provided for in different countries, the approval does not, of itself, give an unconditional assurance of successful operation on every PSTN network termination point. In the event of problems, you should contact your equipment supplier in the first instance.

4 Remote Control

0-9 number keys

- In viewing mode: select channels.
- In menu: directly select a menu item or set a setting.
- In standby: wakes up the receiver.

INFO

Switch between viewing, Channel Banner, and Channel Banner with Extended Info.

EXIT

Return to normal viewing. If EXIT is pressed and held for at least 2 seconds, the current application is closed and normal viewing is resumed. The "Autostart" status is then switched off temporarily until the receiver tunes to this channel.

▲ +/-

Increase/Decrease the volume level.

MUTE

Mute the sound on your TV or receiver.

RED, GREEN, YELLOW, BLUE

Contextual keys used in MHP applications.

TV/STB

Toggle between watching terrestrial digital TV via your receiver and standard analogue TV via your TV set.

II

Open the Options menu to momentarily change the soundtrack, subtitles, teletext, or display format setting.

MENU

Open/Close the Menu.

REC

Open the Setting a Timer screen.

Standby

Switch your receiver into the standby mode.

EPG

Open/Close the Programme Guide.

BACK

- In viewing mode: return to the previously tuned channel.
- In menu mode: return to the previous screen.

▲ ▼

- Switch the Channel Banner in the browsing mode.
- Scroll up/down in a menu or channel list.

◀ ▶

In Channel Banner: switch between the current and next programme.

OK

Confirms your choice.

P+/P-

- In viewing mode: tunes the next/previous channel within the current channel list.
- In channel lists: scrolls one page up/down.
- In standby: wakes up the receiver.

TEXT

Contextual key used in MHP applications.

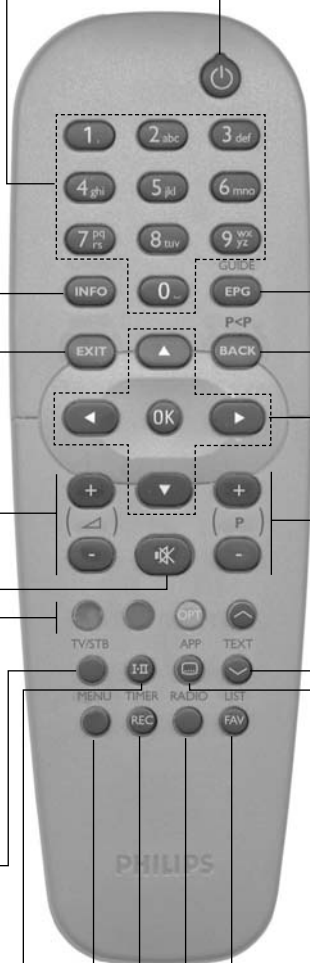
Open the Options menu to momentarily change the soundtrack, subtitles, teletext, or display format setting.

FAV

Open/Close the current channel list.

RADIO

- In viewing mode: toggle between TV and Radio.
- In standby: wakes up the receiver.



5 Day to Day operation

5.1 Turn ON your receiver or switch to low power

While your receiver is in "low power", the only way to turn it on is to press the **LOW POWER** button on the front panel.

While watching digital TV or listening to digital radio, press the **LOW POWER** button on the front panel to switch your receiver to "low power".

5.2 Wake up your receiver or switch to standby

While watching digital TV or listening to digital radio, press the standby key of the remote control to switch your receiver to standby.

While your receiver is in standby, to wake it up:

- Either press the **P+**, **P-**, **RADIO** or any number key of the remote control.
- Or press the **PROG-/PROG+** or **TV/RADIO** button on the front panel.

5.3 Change channel

When you are watching digital TV or listening to digital radio, there are different ways of changing channel.

5.3.1 Using number keys

Enter the desired channel number using number keys.

5.3.2 Using P+ and P-

Press **P+** to select the next channel in the current list, or **P-** to select the previous channel in the current list.

Note: Skipped channels cannot be selected using P+ or P-; they can only be selected either using the number keys or from a channel list.



TV Channel List

5.3.3 Using the channel list(s)

- Press the **FAV** key to open the current channel list.
- Scroll to the desired channel, and then press **OK** to select it.
- Alternatively, press **FAV**, and then use the **◀** or **▶** to enable another channel list to choose from.

Note: empty lists are not displayed.

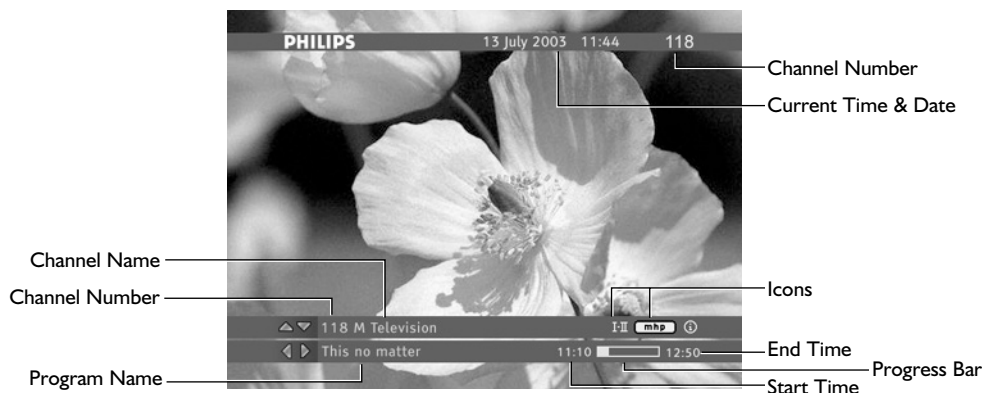
5.3.4 Using BACK (last channel recall)

Press the **BACK** key to return to the previously selected channel.

5.4 Selecting digital TV or digital Radio

To switch between digital TV and digital Radio, press the RADIO key.

5.5 Channel Banner



Channel Banner Icons

	This icon informs that some program information is available for the program displayed in Channel Banner .
	This icon informs that the current channel is locked.
	This icon informs that a viewing reminder has been set for a particular program.
	This icon informs that a recording reminder has been set for a particular program.
I-II	This icon informs that a program with more than one soundtrack is broadcast.
OK	This icon informs you that pressing OK tunes to the channel that the Channel Banner refers to, or sets/cancels a reminder.
	This icon informs you that the program is broadcast with AC3/Dolby Digital sound.
	This icon informs you that the particular program is parentally locked.
mhp	This symbol informs that you may launch external applications by pressing OK .
LOAD	This icon informs you that an mhp application is loading.
	This icon informs that teletext is broadcast on the currently tuned channel.
	This icon informs that you may select subtitles for the current program.
	This icon informs that you may select subtitles intended for deaf or hard-of-hearing viewers for the current program.
	This icon informs you that the current channel is scrambled.



Option Menu



Interactive Applications Icon



Display Option Screen

5.6 Changing the current programme options

Press the **I-II** or **⋮** key to access the **Options** menu.

This menu allows you to change the **Audio Language**, **Subtitle Language**, or the **Display Format** for the current programme, and the **Teletext Language** for the current channel.

5.7 How to Run MHP Interactive Applications

Your receiver supports downloading and running **MHP** interactive applications. Some applications are run automatically on tuning to a respective channel. Other applications need to be launched manually.

If you tune to a channel on which interactive applications are broadcast, you will see the **mhp** icon on the **Channel Banner**. This icon is displayed alternately with the **LOAD** icon if applications are run automatically or with the **OK** icon otherwise.

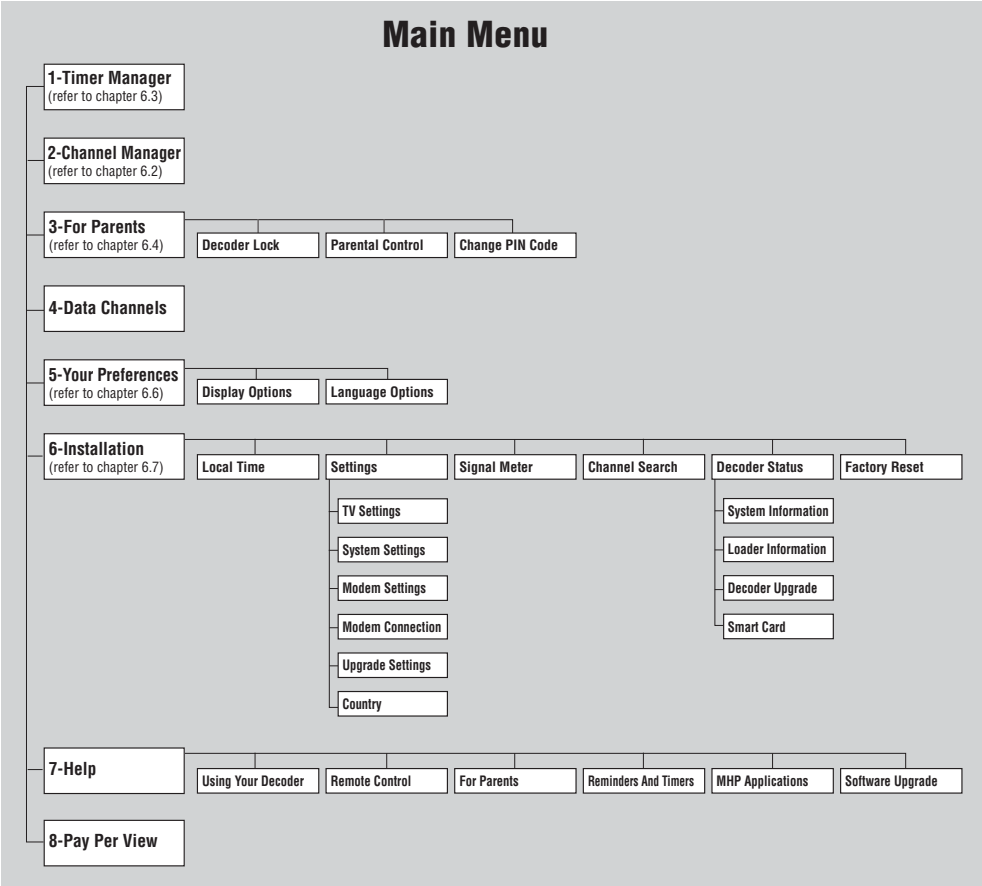
In case of manual applications pressing **OK** brings up the **Applications** window allowing you to select the application you want to run. Once you select the application, press **OK** again. However, if you are not interested in running interactive applications, press **EXIT** to remove the **Applications** window from the screen. Once the application is running follow the instruction given by the application played on screen.

To quit the interactive application, press and hold the **EXIT** key for at least 2 seconds. You can also quit the application by following the on-screen descriptions brought to you by the application itself or tuning to a different channel by pressing **P+ / P-**.

Please note that if you do not want any interactive applications to be run automatically, set the **Application AutoSTART** option in the **Display Options** screen to **NO**.

6 Main Menu

English



6.1 Menu navigation

Your receiver offers a menu system that allows you to set the way many of the features of your receiver operate.

MENU

To access the **Main Menu**, press the **MENU** key.

▲ ▼, OK and number keys

The **Main Menu** consists of 7 submenus. To evoke one of the submenus, highlight its name using the ▼ or ▲ keys, and then press **OK**. You may also press the number key to directly access the respective menu item.

◀ ▶ and number keys

To set settings in any screen, use either the ◀ or ▶ keys to select from predefined values, or number keys to enter figures, dates, times, etc.

OK, BACK and EXIT

To quit a menu and save changes, press **OK**.

Alternatively, press **BACK** to go back one level in the menu system without saving changes. To exit the menu system without saving changes, press **MENU** or **EXIT**.

6.2 Channel manager

Channel Manager is used to:

- set channel properties (lock, unlock, skip, and rename channels);
- edit channels lists (move channels).

Note:

The **Skip** feature is used to skip channels when zapping through channel lists.

The **Move** feature is used to move channels within a channel list.

The **Lock** feature is used to protect access to certain channels using a 4-digit PIN code.

The **Rename** feature is used to edit channel names.



Channel Manager

Selecting the channels you want to list

- Select the **Mode**: **TV** or **Radio**.
- Set the **Channel List** setting: All channels, Free channels, or scrambled.
- Select the **Modify** feature you want to use: None/Skip/Move/Lock/Rename.
- Press **OK** to proceed.



Locking a Channel



Timer Manager



Setting a Timer



Modifying a Timer

Managing channels

- Scroll to the channel you want to view/skip/move/lock/rename, and then press **OK**.
- To skip or lock the selected channel, press **OK**. A **Lock** or **Skip** icon appears.
- To move the selected channel, move to the new position, and then press **OK** to confirm.
- To rename the selected channel, select characters from the keyboard. To select/deselect the keyboard, press **P+**.

6.3 Timer manager

Timer Manager lists all the existing timers. From this screen, you can set, modify, and delete timers.



To be able to record a digital programme using a VCR or DVD recorder, you must set a timer on your receiver and also enable recording on the recorder.

Setting a timer

- Press **OK** to add a timer.
- Set the timer settings:
 - **Mode:** TV or Radio
 - **Channel List:** All channels, Free channels, or Scrambled
 - **Channel**
 - **Date, Start time and End time**
 - **Timer type:** Recording or Viewing
 - **Frequency:** Once, Daily, or Weekly
- Press **OK** to confirm.

Modifying a timer

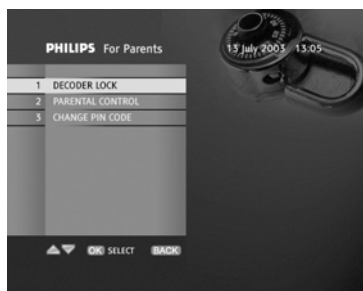
- Highlight the timer to be modified from the timer list, and then press **►**.
- Edit the timer settings, and then press **OK**.

Deleting Timers/Reminders

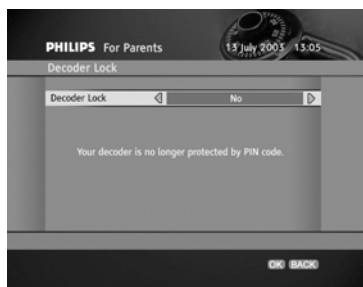
- Highlight the timer to be deleted from the timer list, and then press **◄**.
- Press **OK** to confirm deletion.



Please note that when you set a recording, it is protected from being interrupted. To cancel the recording, press **EXIT**, and press **OK** to confirm when prompted.



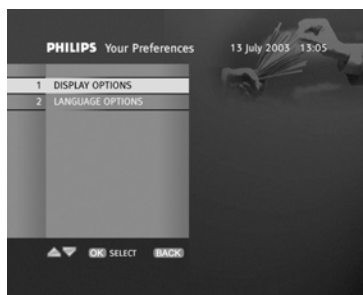
For parents Submenu



Receiver lock



Parental Level



Your Preferences Submenu

6.4 For Parents

For Parents is used to set **PIN code** protection on some menus, locked channels, and programmes not suitable for certain audiences.

6.4.1 Decoder Lock

This item is used to enable or disable the protection features mentioned above (Yes = enabled).

6.4.2 Parental Control

This item is used to protect access to programmes according to their maturity level. **PIN code** protection is automatically enabled for programmes which maturity level is higher than the parental level you set.

6.4.3 Change your PIN code

This item is used to change your personal 4-digit code, called **PIN code**.

Initially, your **PIN code** is assigned the value 1234.

To change your **PIN code**:

- Enter the current value.
- Then enter the new value of your choice.
- Enter the new value again to confirm.

6.5 Data channels

Please note that only **MHP** applications can be run.

6.6 Your preferences

Your Preferences is used to set on-screen display and language options of your choice.



Display Option Screen



Language Options Screen



Installation Submenu



Settings Submenu

6.6.1 Display options

This item is used to set on-screen display settings, including the channel banner settings.

- Set **Time and date/Channel Number** to **Yes** to include them in the channel banner.
- Set the channel banner display duration of your choice.
- Set **Text in Banner** to **Bigger** to increase the size of the text in the channel banner.
- Set **Volume bar/Radio Label** to **Yes** to include them in the on-screen display.
- Set **Transparency** to **Yes** for the on-screen display to appear transparent.
- Set **Application Autostart** to **Yes** to automatically launch the available **MHP** applications (recommended setting).

6.6.2 Language options

This item is used to define the on-screen display language, audio languages, subtitle languages, and teletext language of your choice.

6.7 Installation

Installation is used to configure your system, search for channels, and manage your receiver status.

Note: when the decoder is locked, access to the Installation menu is protected by PIN code.

6.7.1 Local Time

This item is used to set the **Time Zone** so that the Local Time setting matches your actual local time.

6.7.2 Settings

Settings is used to match your receiver settings to your TV and recorder as well as location.



TV Settings Screen

Aspect ratio / Displayformat	TV screen format = 4:3 broadcast format = 16:9	TV screen format = 16:9 broadcast format = 4:3
Letter-box	full picture with black bars at the top and bottom	full picture with black bars on the left and right
Pan-Scan	picture cut-off on the left and right	picture cut-off at the top and bottom
Full screen	full picture squeezed to fit	full picture squeezed to fit



System Settings Screen

System settings:

- Video standard:
PAL or SECAM, pre-configured according to the selected country
- TV SCART Output, VCR SCART Output:
to get the best picture quality, set this option to RGB
- Easy Recording/Recording Type/Device:
refer to chapter 6
- Default Volume Level:
volume level at wake-up from standby

Modem Settings:

modem configuration is generally handled by the MHP applications.

Modem Connection:

follow the instructions displayed on-screen to check your modem connection.

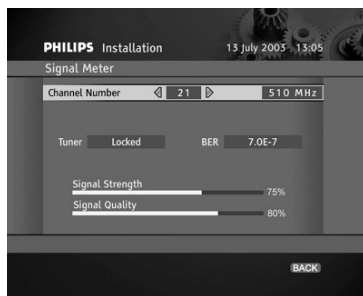
Decoder Upgrade Settings:

set **Auto Upgrade** to **Yes** to automatically initiate the upgrade procedure when available. Otherwise you will be prompted to initiate the procedure.

Note that your decoder must be in running mode in order to check for upgrade.

Country:

changing the country will initiate a channel search and you will lose your current channel list.



Signal Meter



Channel Searching



Decoder Status Submenu



Factory Reset

6.7.3 Signal meter

Signal Meter is used to display the strength and quality of the signal broadcast at the specified frequency in order to check your antenna connection and setup.

6.7.4 Channel Search

Channel Search is used to either **Search for New Channels** or **Reinstall All Channels** (your channel list will be replaced by a new one).

Press **OK** to launch the channel search. You may interrupt this procedure by pressing **BACK**.

6.7.5 Decoder Status

Decoder Status provides information about the system, loader, and smart card.

Besides, the **Decoder Upgrade** item is used to check whether new software is available for your receiver. If available, press **OK** to initiate the upgrade. Do not interrupt this operation once started.

6.7.6 Factory Reset

Set **Restore Settings** to **Yes**, and then press **OK** to restore the factory settings of the receiver and restart the first-time installation process. As a result, your channel list will be replaced by a new one.

6.8 Help

This submenu is used to provide information on how to use your receiver and set the various settings.

7 Advanced Settings

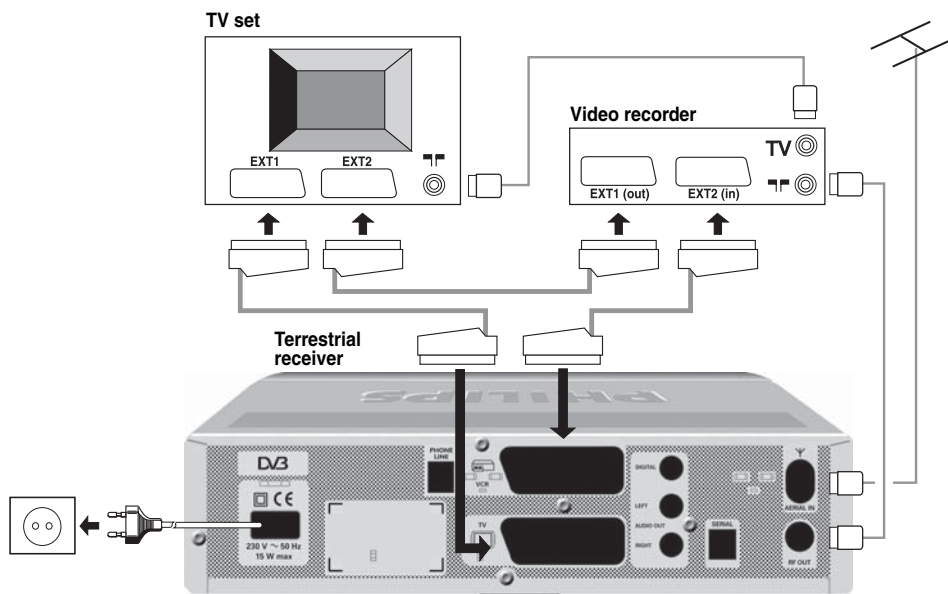
7.1 Easy Recording

The **Easy Recording** feature allows you to perform recordings without the necessity to program your video recorder (VCR or DVD recorder). When you set a recording reminder or timer from the **Channel Banner** or **Timer Manager**, the VCR starts/ends recording at the correct time. Please note, however, that you may only use the **Easy Recording** feature provided that your recorder supports it.

- First of all, consult User Manual of your recorder equipment to check if it supports Easy Recording. Please note that most Philips VCR/DVD recorders support one of the two Easy Recording options: either **Prepare Record (to be checked first)** or **Record Link**.
- Also, both your TV and VCR shall be equipped with two SCART sockets.

If your equipment satisfies above two conditions, connect your receivers as shown in the Connection diagram below.

Then, select the **System Settings** item from the **Settings** submenu, enable the **Easy Recording** feature by setting its option to YES, and assign to the **Recording Type** an appropriate value: either **Prepare Record** or **Record Link**. You might have to test both settings to find out the one applicable for your recorder.



Assuming the settings of your receiver and recorder (refer to your VCR or DVD recorder user manual) are done, to perform a recording you shall:

- Program a timer with your receiver (refer to section 6.3)
- Put your recorder in the appropriate status to be controlled by your receiver (refer to the VCR or DVD recorder user manual).

At timer occurrence your recorder shall start and stop recording automatically.

*Note: While the recording is in progress, your receiver is protected from inadvertent action to disrupt the recording. To cancel the running recording, press **EXIT**. This brings up a small window prompting you for confirmation. To cancel the recording, press **OK**.*



System Settings Screen

7.2 Remote control setting

If you have other items of equipment in your home and the Philips remote control of your digital receiver interferes with them, you can change the setting of your remote control. Please note that you must change the setting of both your remote control and receiver.

Changing the setting of your receiver

By default, your receiver is identified as **Device 1** and the remote control is set to control **Device 1**.

To change this identifier to **Device 2**:

- Select **Installation**, then **Settings**, and then **System Settings**. The **System Settings** screen appears.
- Set **Device** to **Device 2**.
- Press **OK** to confirm and exit.

Changing the setting of your remote control

- Press number keys **1** and **3** simultaneously and hold them for at least 4 seconds.
- Release these two keys.
- Enter the new code setting within the next 60 seconds:
 - Either **2** for **Device 2** (alternative setting).
 - Or **1** for **Device 1** (default setting).

Alternatively you may reset your remote control to its default setting (**Device 1**) by removing the batteries.

At battery change, the remote control setting is reset to **Device 1**. Please remember that if your remote control was set so as to control **Device 2**, you must set it to **Device 2** again after changing the batteries.

8 Troubleshooting guide

Check the guide below for a possible cause of the problem you are experiencing.

The most common problems that arise are related to cable connections. Make sure that your receiver is properly connected.

Symptom	Remedy
Nothing lights up on your receiver front panel.	Check that the mains power cord is correctly connected. Disconnect this cord, and then reconnect it to ensure it is in place. Check that power is available at the wall socket.
Your remote control fails to operate your receiver.	Make sure your receiver is in operating mode. Make sure that you are pointing your remote control at the receiver front panel. Check the batteries in your remote control. Check if your remote control setting and your receiver "Device" setting (1 or 2) are set accordingly (see 7.2).
There is no sound/picture but the front panel orange LED is on.	Your receiver is in standby. Press P+ / P- on your remote control to wake up your receiver. Alternatively, press the + / - button on the receiver front panel.
There is no sound/picture. However, front panel display is correct.	You are watching ordinary TV via your TV set. Press the TV / STB remote control button to watch digital TV via your receiver. Make sure that the SCART connections are correct. Connections are correct but the TV set is NOT switched to external AV source. Press the TV / STB remote control button twice; if the problem is not fixed refer to the user manual of your TV set.
Main Menu can be displayed but you cannot select channels.	Your receiver has not been properly configured. Perform the Channel Search procedure (from Installation submenu). Optionally return to factory setting.
Main Menu and Channel Banner can be displayed, but there is no reception (black screen).	Your aerial is not receiving the signal. Check the installation, and the aerial positioning and connection. Also, check signal quality. Signal is too weak. Check the installation, and the aerial positioning and connection. This effect may also be due to severe weather conditions.
The picture is not sharp and text is difficult to read.	The TV SCART output video format is not set to RGB. Change the TV SCART setting to RGB from the System Settings item of the Installation submenu. The TV SCART lead is not connected to the RGB-capable SCART socket of your TV set (refer to TV set user manual for proper connection). The SCART lead for TV connection is not RGB-capable (not fully wired). Use the SCART cable supplied with your receiver for the connection to the TV set.
Intermittent reception ("mosaic" effect or "frozen" image).	You may have defective cable links. Check all connections and cables. Poor signal due to the incorrect positioning of the aerial. Reorient the aerial and fasten it securely.
You have forgotten your PIN code.	You have the possibility to reset your PIN code to its default value (1234). To reset your PIN code, type in the Master PIN Code (00799700) in quick succession at the level of the Main Menu. Before you enter the Master PIN code, press the Ⓜ/INFO key. Please keep this code secret to prevent your children from using it.

9 Technical Specifications

This product is in conformity with the requirements of the 95/47/EC and 2002/21/EC directives.

Video Decoding

- MPEG-2 DVB compliant up to MP@ ML (SD)
- Video bit rate: up to 15 Mbit/sec
- Video format: 4:3 (letter box or Pan & scan if source is in 16:9) and 16:9
- Resolution: up to 720x576 pixels

Audio Decoding

- MPEG layer I / II

Ease of installation

- Automatic program installation via scanning
- Program editing for personalised installation (delete, add, move)

Ease of use

- Automatic program list update
- Direct access TV & Radio modes
- Full remote controlled
- Automatic recording via:
 - Timer programming by tagging in banner
- Easy recording for Philips VCR and DVD+RW.
 - Prepare Record
 - Record Link
- Now & Next program in banner
- EPG list per channel based on EIT schedule

Operation/Features

- Receiver compatible with services based on MHP
- 1000 presets
- Free to air reception
- DVB Subtitles
- Parental lock with PIN code
- Channel lock with PIN code
- Menu controlled installation and operation using On Screen Display
- 8 event VCR timer / Reminder
- Automatic VCR play back: Audio L/R + CVBS or RGB / Fast blanking
- Full range RF loop-through
- Software upgrade via over the air download
- PCM Digital audio out

Application System Resources

Processor clock speed	180 MHz
SDRAM - CPU/Video-Graphics	40 MB
Flash memory	8 MB
EEPROM	16 kB
Graphics resolution	16 bits

Terrestrial antenna interface

- RF input: IEC 169-2 female connector
- RF output (bypass): IEC 169-2 male connector

Reception-Demodulation

- Demodulation type: COFDM 2K / 8K
- Network: MFN / SFN
- Input frequency range: VHF III & UHF IV/V Prepared for Europe and Australia
- Loop-through frequency range (MHz): 47 - 862 MHz

Secured transaction

- For future application - Italy only
- Smart card type: Citizen card

De-scrambling

- Type: DVB
- Implementation: Embedded
- Smart card reader: I for CA
- CA system for pay-TV: Nagra & Irdeto for Italy

Connections

TV SCART:

- Output: CVBS or RGB / Fast blanking volume controlled audio L/R, slow blanking outputs

VCR SCART

- Input: CVBS or RGB / Fast blanking, slow blanking, audio L/R
- Output: CVBS, audio L/R, slow blanking during timer if "Prepare Record" mode is activated

Audio CINCH

- Analog audio output: L / R
- Digital audio output: PCM

Serial interface:

- Type: RJ 9

Modem

- Type: V90
- interface: RJ 11

Smart card reader

- Type: ISO 7816

Accessories

- Remote control: RC 19137008/01
- I Scart cable
- User manual
- Worldwide Guarantee booklet
- Batteries: 2 x 1.5V type AA/R06
- RF cable (DTR4610 only)
- Telephone cord (DTR4610 only)
- Mains cord

Miscellaneous

Temperature range (°C)

- Operating: +5°C to 45°C
- Storage: -10°C to +70°C

Mains:

- 230 V ~ +/-10%
- 50 Hz

Consumption

- Power: < 10W
- Standby: < 6 W
- Low power: < 1 W

Weight

- Product: 2 kg
- Including packaging: 2.5 kg

Dimensions:

- Product: 260 x 225 x 60 mm
- Packaging: 365 x 275 x 90 mm

Multi-language

Menu

- English, Italian, French, German.

User manual

- English, Italian, French, German.

Due to continued product improvements, this information is subject to change without notice.

