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DSR 7005








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**PHILIPS**

## Meaning of symbols

	<p>Important information: Must be read and understood.</p>
	<p>Your product has been designed and manufactured with high quality materials and components, which can be recycled and reused.</p> <p>When this crossed-out wheeled bin symbol is attached to a product or his packaging, it means the product is covered by European Directive 2002/96/EC.</p> <p>Please inform yourself about the local separate collection system for electronic products.</p> <p>Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.</p>
	<p>The “Material recyclability symbol” affixed on package cardboard and user manual means these parts are recyclable.</p> <p>So do not dispose of them with your normal household waste.</p>
	<p>The “Material recyclability symbol” affixed on plastic packaging parts means these parts are recyclable.</p> <p>So do not dispose of them with your normal household waste.</p>
	<p>The “Green Dot” affixed on cardboard means PHILIPS pays a financial duty to the “Avoidance and Recovery of Packaging Waste” organization.</p>

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# Unpacking the receiver

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

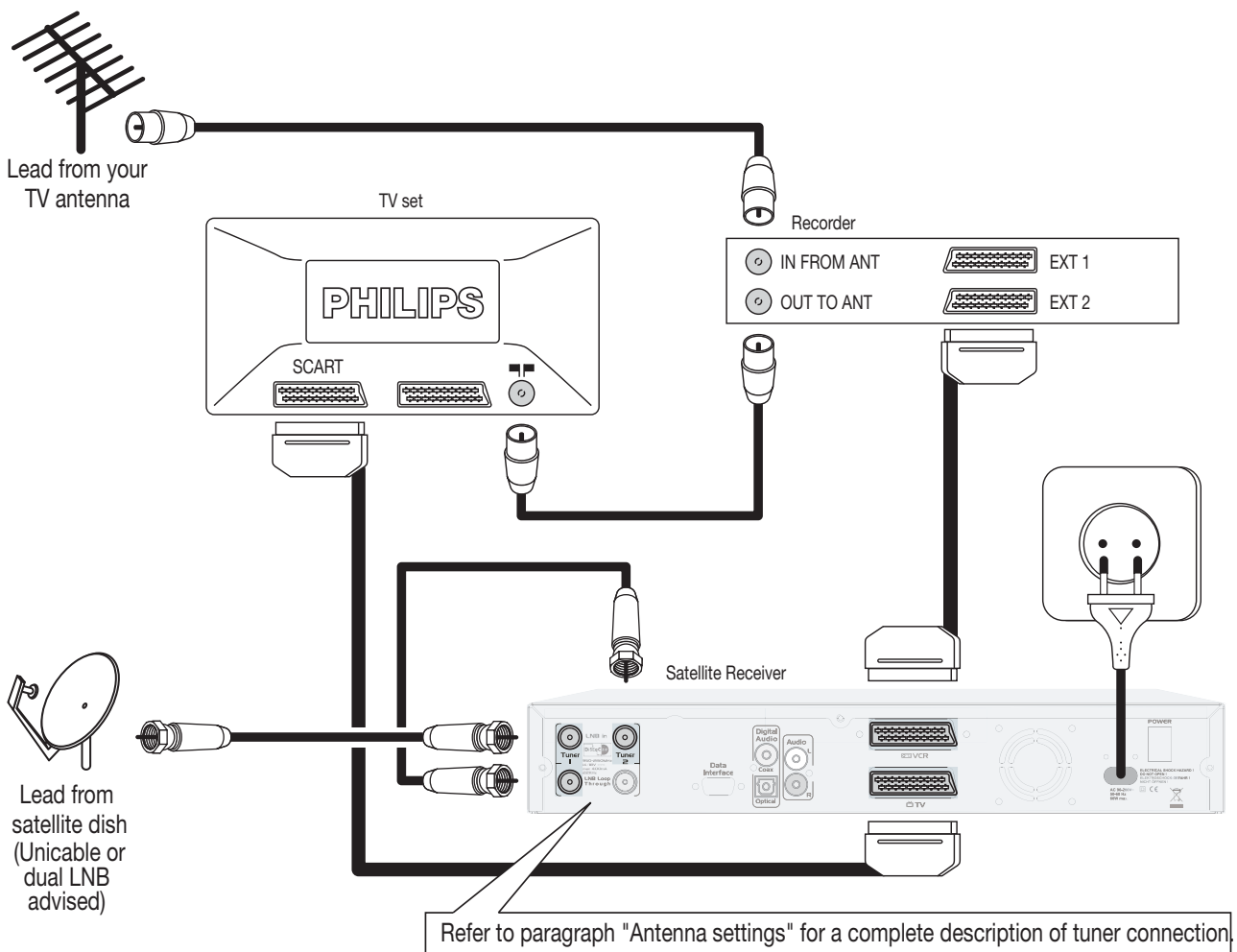
- 1 x Remote Control Unit
- 2 x AA batteries
- 1 x SCART Cable
- 1 x Power Cord
- 1 x RF short cable
- 1 x User Manual (including the Worldwide Warranty)

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


## Quick installation guide

Refer to the safety section before connecting your terminal.

- 1 Disconnect your TV set and recorder from the mains.
- 2 Integrate your terminal in your existing installation as shown on the diagram (for other satellite configurations, refer to chapter Connecting your Receiver)
- 3 To be able to use the simultaneous recording function it is strongly advised to have two separate inputs for each tuner.



- 4 If you wish to receive scrambled channels, insert your smart card (not supplied) in the common interface module (not supplied) with the golden or silver contacts facing up. Then, insert the common interface in the dedicated slot of your receiver.

 **Note:** The functionality of using two tuners (watch and record) can not be guaranteed in combination with a Common Interface module that is decoding one channel only.

- 5 Insert the two batteries supplied in your remote control.



*Batteries are removable from the remote using common household tools (like a screwdriver,...)*

*The batteries supplied do not contain hazardous substances such as Mercury, Cadmium, or Lead.*

*However, they must not be disposed of with your household waste but to a local separate collection system.*

- 6 Reconnect your TV set and recorder to the mains. Do not connect your receiver yet!
- 7 Switch on your TV set and select a channel.
- 8 Plug the receiver's power cord to the mains.
- 9 Switch the power key on the back of your receiver on the position "I"
- 10 The satellite receiver is now switched on and starting. This can take around 30 seconds. Front display indicates "Booting"
- 11 From now on you can switch your receiver with the "Standby-key" on or off (almost instantly).
- 12 The welcome screen appears, then the First installation screen.
- 13 Set your favourite menu language
- 14 Set appropriate values for each component (note that the settings can be modified later; for more details refer to First Installation)
- 15 Press **EXIT** to save your changes and start scanning for channels.

When scanning has been successfully completed, a completion message is displayed, and then the receiver tunes to the first channel in the list.

---

## Safety instructions

**!** Your receiver has been manufactured to meet the appropriate safety standards, but the instructions below must 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 other apparatus that produce 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, shall be placed on the unit. The receiver shall 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 and aerosol cleaners.

Unauthorized recording (and distribution) of copyrighted TV programs in whole or in part, is an infringement of copyright laws and of international treaties.

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# 1 Introduction

Welcome to digital television!

The Philips Satellite Video Recorder DSR 7005 allows you to watch and record at the same time with one device, a wide variety of free-to-air and scrambled channels with the best digital picture and sound quality.

With this product you can enjoy advanced functions and features including:

- Watch & Record different channels at the same time
- Embedded Hard Disk Drive to store all your favourite programs
- Digital picture and sound quality
- Up to 4000 presets for TV and Radio channels
- Easy installation and use through the well-tested Euphoria User Interface
- Personal channel list and favourite lists
- Electronic Program Guide

This user manual covers the installation of your receiver and the necessary steps to use the various functions, so you can optimally enjoy every feature.

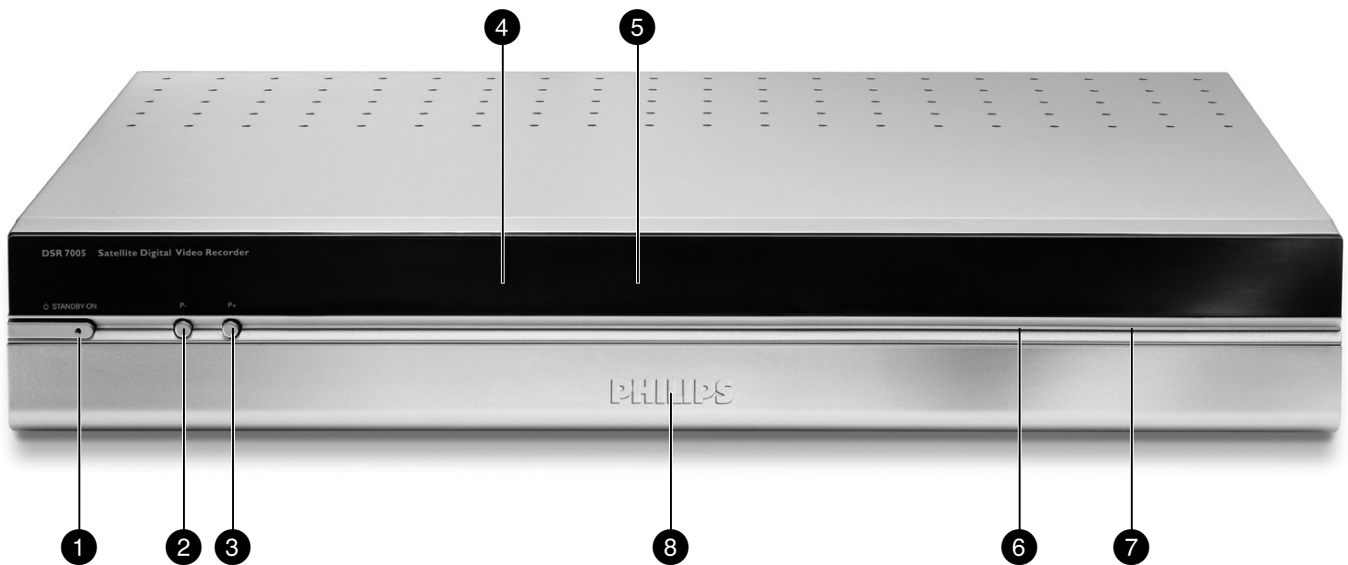
Philippe Alcaras, CEO BLC Digital Video DV  
Paris, May 2006

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## 2 Product description

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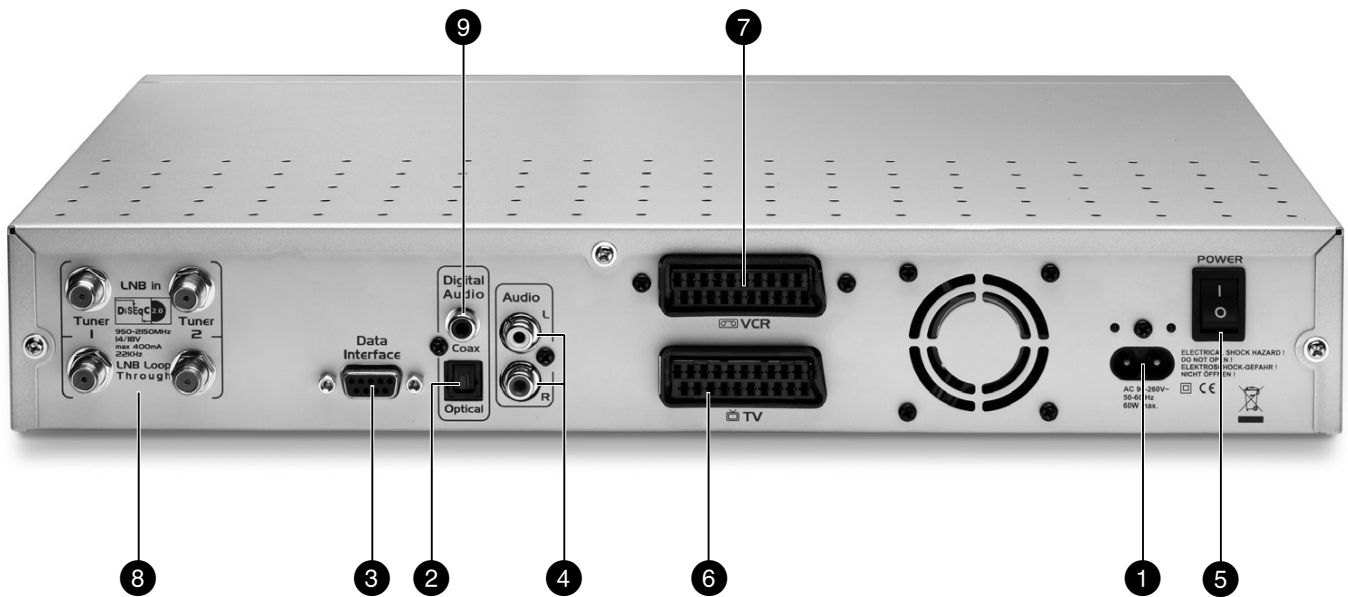
### 2.1 Front panel



- |                  |   |  |
|------------------|---|--|
| <b>1</b>         | Standby key .....   | Switch the receiver on or to standby mode      |
| <b>2</b>         | P+ .....  | Channel +                                      |
| <b>3</b>         | P- .....  | Channel -                                      |
| <b>4</b>         | Infra-Red Sensor .....  | Receives signals from the remote control unit  |
| <b>5</b>         | Display .....   | Information about channels and menu navigation |
| <b>6 &amp; 7</b> | Common Interface slots: see chapter Inserting your common interface |  |
| <b>8</b>         | “Push to open” .....  | Press here to open/close the door              |



## 2.2 Rear panel



- |          |                                     |  |
|----------|-------------------------------------|--|
| <b>1</b> | 90-260 V, 50-60 Hz (**)             | Socket used to connect the power cord.   |
| <b>2</b> | Optical Digital Audio Output (*)    | Optical Digital Audio Output   |
| <b>3</b> | SERIAL (*)                          | RS232 socket used for serial data transfer   |
| <b>4</b> | L/R (*)                             | Left/Right analogue audio cinch outputs used to connect your HiFi/audio receiver system                |
| <b>5</b> | Power Switch (*)                    | On/Off   |
| <b>6</b> | TV (*)                              | SCART <sup>(1)</sup> socket used to connect to your TV set   |
| <b>7</b> | VCR (*)                             | SCART <sup>(1)</sup> socket used to connect your video recorder or DVD player/recorder.                |
| <b>8</b> | LNB Input + Loop Through Output (*) | Satellite IF input, output for LNB power supply and LNB switching signals (14/18 V, 22 kHz and DiSeqC) |
| <b>9</b> | Digital Audio Output (*)            | Digital Audio Output   |

The label showing the type and serial number is underneath the receiver.

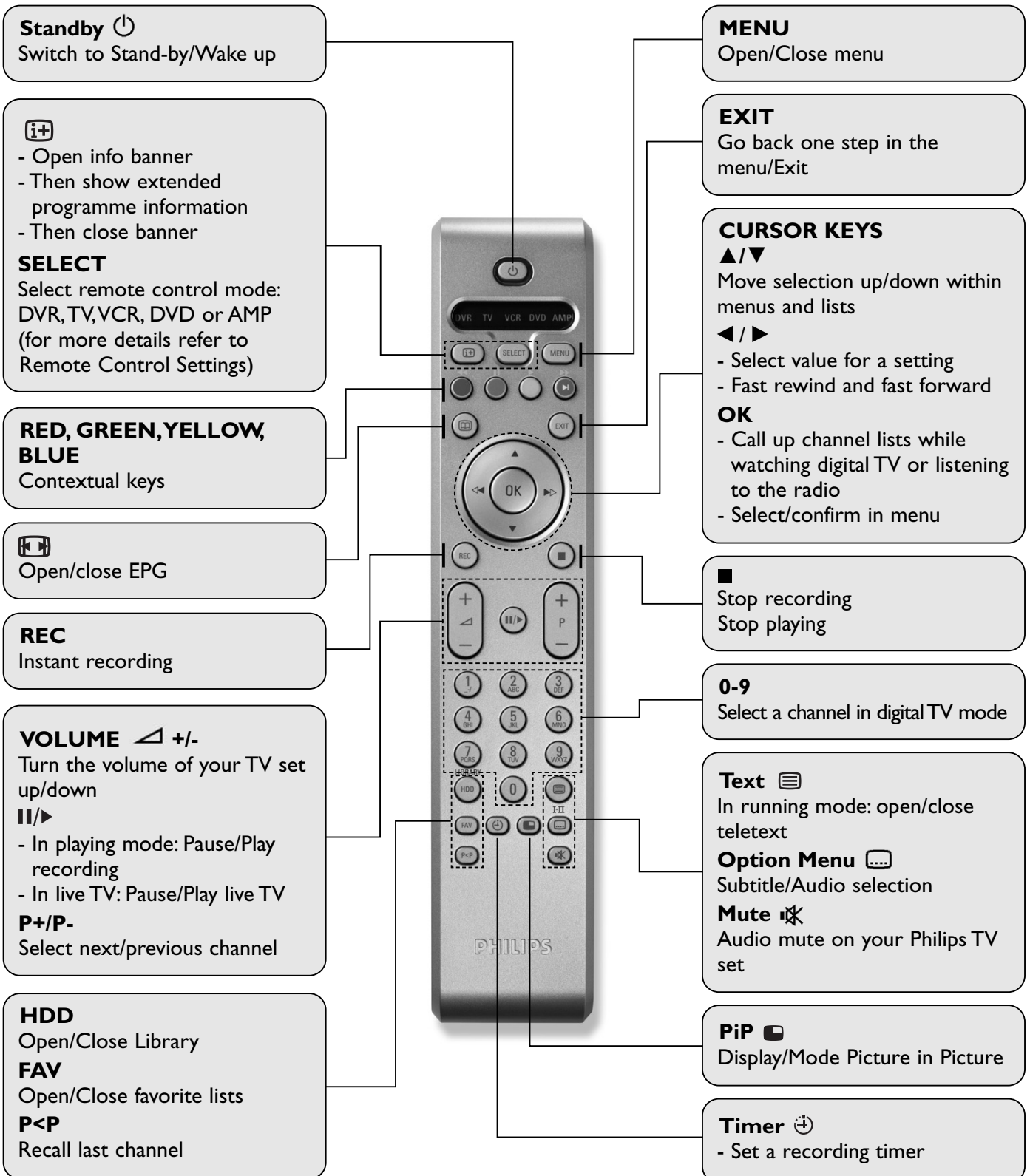
(1) SCART is also called Euroconnector or Peritel.

\* Safety Extra Low Voltage

\*\* Hazardous Voltage

### 3 Remote control

Your remote control enables to control not only your receiver, but also 4 additional devices from any brand! By default, the remote control is pre-programmed for your receiver (DVR mode). To enable control of other devices, see chapter “Advanced Settings”/“Changing the settings of the remote control”.



## 4 Inserting your common interface



### ! Insert the smart card with the chip facing up.

- To be able to receive scrambled digital channels specific to an operator, you need a common interface module and a smart card from that operator.
- To avoid incorrect insertion of the common interface module in the slot, make sure you insert the smart card in the common interface module and insert properly the module in the corresponding slot (either the first or second slot).
- Insert the smart card into the common interface module as far as it will go. The end of the card will be visible outside the module.
- Push the common interface module into the slot as far as it will go without forcing.
- New and updated information may be downloaded onto the smart card from time to time.

If your receiver is equipped with a Common Interface module, the technical data relating to the modules inserted, as well as to any smart cards inserted in these, can be accessed via a “Main Menu/Common Interface”. You can see information as to which of the two CI slots is currently fitted with a module. Select the module in respect of which you require additional information. A display is generated by the CI module itself, and may therefore differ slightly in appearance from one module to the other. To obtain a full display of the data, a smart card must be inserted in the module.

Please consult your installer or card provider for the details of the use of your specific card.

## 5 Connecting your receiver

There are several ways you can connect and incorporate your digital receiver into your existing audio/video equipment set up.

### ! Before starting to connect:

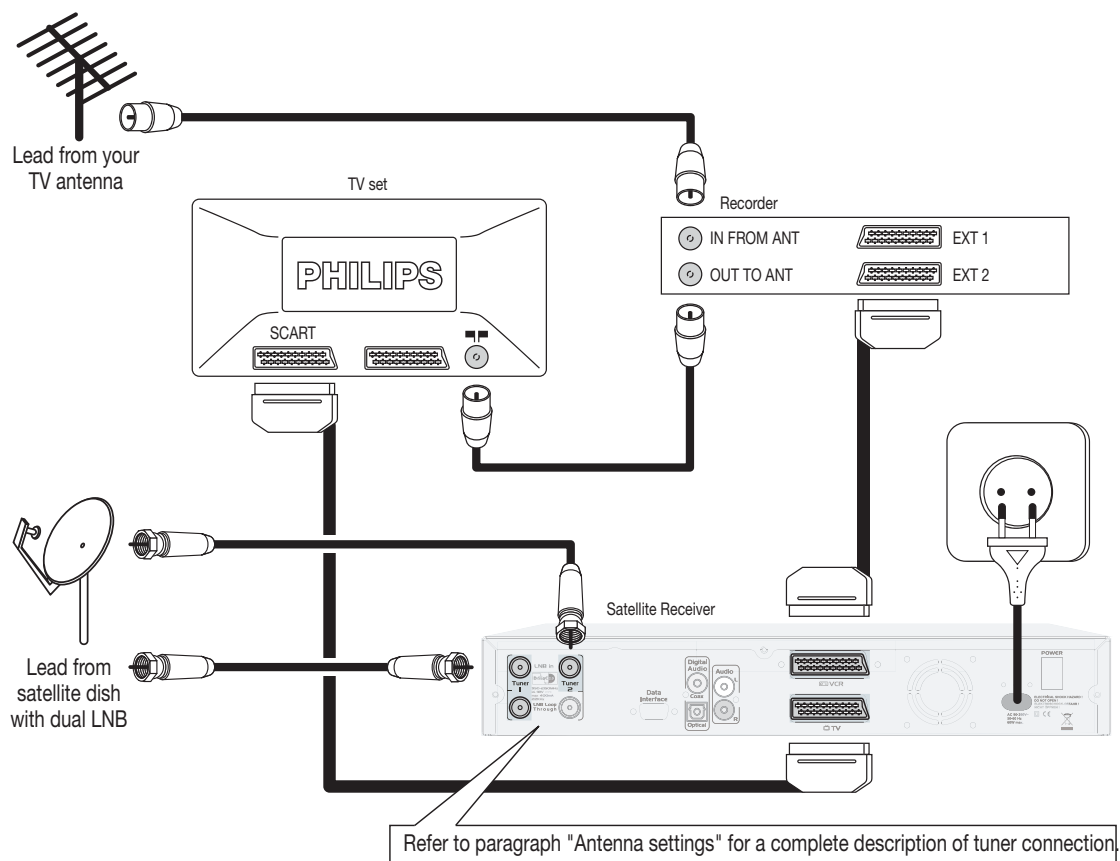
- Unplug all equipment (TV set as well as VCR and/or DVD or DVD+R if required) from the mains.
- Do not connect your digital receiver to mains supply now.
- Check your current wiring: you may not need to modify your existing audio/video set up connections if they already match the connection diagrams below.
- Depending on your existing set up, choose the best-suited connection method for incorporating your digital receiver.

## 5.1 Connecting to antenna, TV and VCR/DVD player

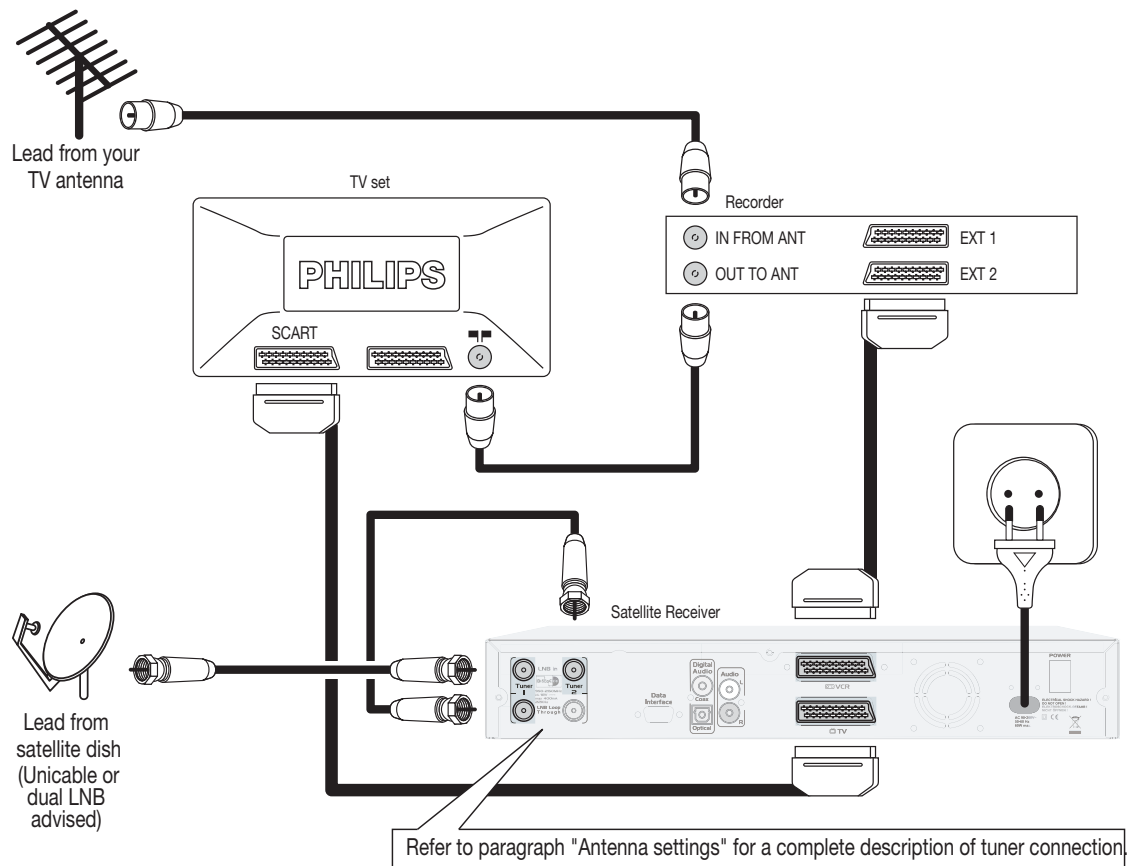
### 5.1.1 Connection to the satellite antenna

In order to guarantee watch and record function for all used cases, the followings configurations are required:

- Dish with dual LNB tuner pointed on the same satellite. Connect like on figure below. While executing first installation setting, on "Antenna Settings" sub-menu choose "dual" for installation type.



- Dish with single LNB: in this case you feed only one tuner and limit the recording capabilities of the DVR. While executing first installation setting from the “Antenna Settings” sub-menu, choose “Loop Through 1 → 2” for installation type and “Universal” for LNB type.
- Dish with Unicable LNB or Universal LNB with only one output. Connect like on figure below, by making a loop through between tuner 1 and tuner 2. While executing first installation setting, on “Antenna Settings” sub-menu choose “Loop Through 1 → 2” for installation type and “Unicable” for LNB type.



1. For other “Antenna settings” submenu configuration, LNB type or physical tuner loop through configuration, it could happen that some of the channels cannot be accessed during a specific record. Refer to chapter Using tuners and hard disk.
2. Some DECT telephones may impact the signal quality, place receiver and telephone away from the Digital video recorder

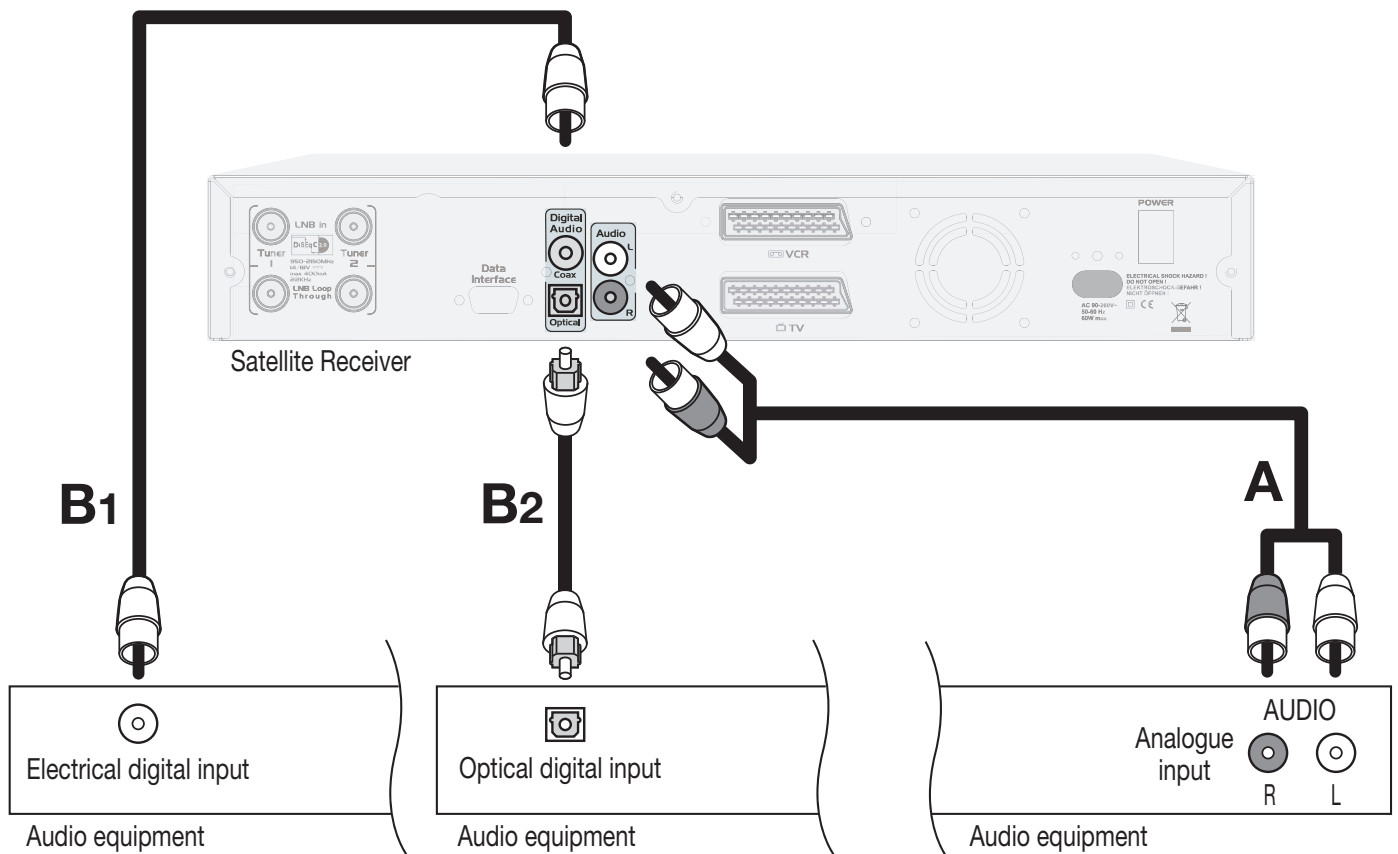
### 5.1.2 Connection to the TV set

Use the SCART cable supplied to connect your receiver to the TV set.

Connect the VCR SCART socket of your DSR7005 to the SCART socket of your VCR/DVDR with a SCART cable.

**Note:** For best DVD/VCR viewing, connect the DVD/VCR SCART EXT 1 directly to the TV set SCART.

## 5.2 Connecting to your audio equipment



### 5.2.1 Analogue connection (A)

Connect the L/R audio output sockets to the relevant L/R audio input sockets of your audio equipment using a double CINCH cable (not supplied). Consult the user manual of your audio equipment to choose the proper analogue audio inputs.

### 5.2.2 Digital connection (B1 or B2)

#### Your audio device is equipped with an electrical audio input (B1)

Connect the digital audio RCA cinch output socket (“Digital Audio / Coax.”) of your receiver to the relevant digital audio input socket of your audio equipment using a single CINCH cable (not supplied).

#### Your audio device is equipped with an optical audio input (B2)

Connect the optical audio output socket (“Digital Audio / Optical”) of your receiver to the relevant digital audio input socket of your audio equipment using a single optical cable (not supplied).


Consult the user manual of your audio equipment to choose the proper digital audio input.

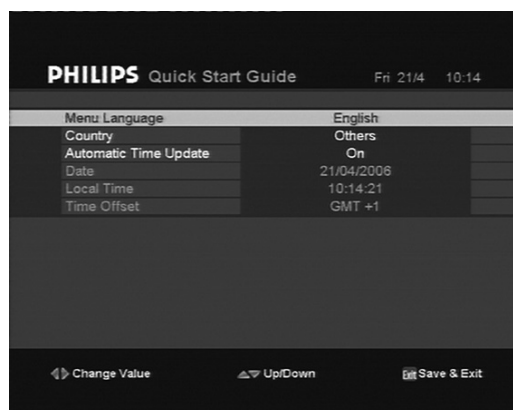
**Note:** With this connection set up you can control the audio volume up/down and mute only from your audio equipment.

## 6 First installation

For fast and successful start-up, check that your receiver is connected to the wall socket, TV set and other equipment according to the diagrams in chapter receiver. Switch on the receiver and TV set. The welcome screen appears, then the First installation screen.

- 1 Press the **OK** button to proceed to the next page.
- 2 On the next page, select a language by pressing the arrow button ◀ or ▶

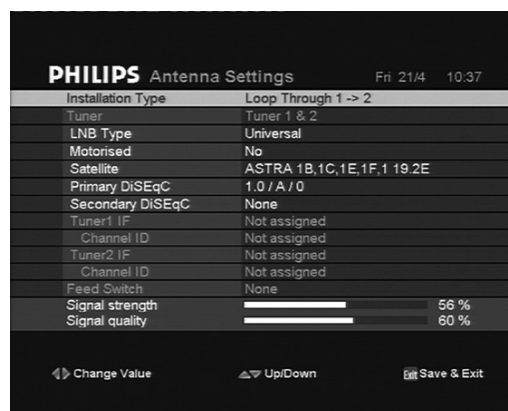
 **Note:** Also observe the information messages displayed on the screen. They will help you select the correct settings. Such information messages will also be displayed during operation later.





- 3 Now successively make the settings as appropriate. Select the menu language and the country. The following general setting rules apply:
  - Arrow buttons ◀ and ▶ change a setting.
  - Arrow buttons ▲ and ▼ move up and down the list of options.
- 4 Then press **EXIT** button to confirm your changes and go to the next screen
- 5 The values for the current LNB settings displayed in this window are the factory defaults. They normally provide you with the best range of channels. Go to Antenna Settings chapter for a detailed description of the antenna parameters and come back to complete the points below for first

installation. Set appropriate values for the following:


- In dual installation, select tuner 1 or 2
- Select LNB type (Unicable or Universal)
- Satellite
- Primary DiSEqC
- Tuner1 IF
- Channel ID
- Tuner2 IF
- Channel ID



 **Note:** For individual settings of your satellite system, read the chapter Satellite search

 **Note:** LNB = Low Noise Block Converter; electronic unit of a satellite receiver system placed in the focus of the satellite antenna.

- 6 Confirm this window with **EXIT**

 **Note:** On most of the cases, Astra 1 and Hotbird satellites are selected. If you choose these satellites, the channels are already pre-installed after step 6. The installation is finished.

- 7 If you choose other satellites then Astra 1 and Hotbird, go to Channel Search menu to start scanning for channels. To access Satellite Search, select Settings, select User Preferences, select Channel Search and then Satellite Search. Refer to Channel Search chapter for full description. Press **RED** key to start scanning. The scan takes 20 minutes per satellite to make sure all channels are found.
- 8 During the scanning process, the following information is reported on screen:
  - TV and Radio channels detected,

- Satellite and transponder scanned,
  - Scan progression
- 9 When scanning has been successfully completed, search results are displayed,
- 10 Press **EXIT** to save the channels; the receiver will automatically tune to the first channel in the list.

If you are using Unicable LNB, refer to chapter 11, Advanced Unicable settings to have appropriate information.

## 7 General Viewing Functions

This section describes the basic functions available while watching digital TV or listening to digital radio. For general menu navigation, see Menu.

### 7.1 Receiver wake up

To wake the receiver up, make sure the power button on the back panel is switched on to “1”. Your receiver is in standby. Press **⏻** on the front panel or on the remote control.

- ! Your receiver, as any electronic equipment, consumes power. In order to reduce power consumption, please switch your receiver to standby whenever you are not using it. For maximum energy saving we recommend you to switch the button of the back panel of your receiver in position “0”.

### 7.2 Channel selection

You can change channels:

- By pressing the Channel button **P+** or **P-**
- By pressing the arrow button **▲** or **▼**.
- By pressing the **P<P** button, you switch between the two last selected channels.
- By selecting the channel directly via the channel list.
- By entering the channel number from the channel list.

Enter the number using the numerical buttons. If, for instance, the channel is stored as number

0014, quickly press numerical buttons **1** and **4** successively. Leading zeros can be left out.

#### 7.2.1 Using P+/P- or number keys

To change channels, use **P+/P-** or the number keys of the remote control.

#### 7.2.2 Previous Channel Recall

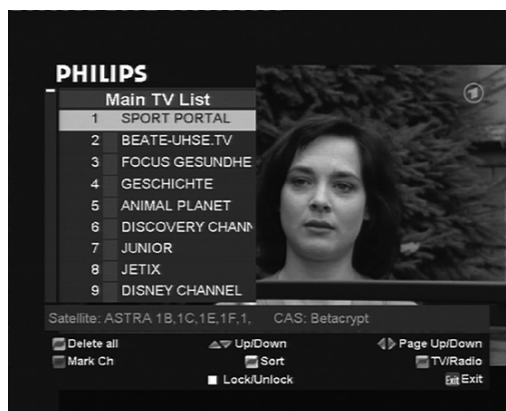
Press **P<P** to move to the previous channel you watched in the current channel list.

#### 7.2.3 Using the channel list

To view the list of all available channels while watching digital TV or listening to digital radio, press either **OK** or **FAV**.

To select a channel:

- Scroll up or down to the desired channel.
- The current program is displayed in the background.
- Press **OK** to close the list and watch the selected channel. Press **EXIT** to exit the list without changing channel.



### 7.3 Channel banner

Every time you tune to a channel, the channel banner appears, displaying information on this channel, including information on the current program.

The channel banner is displayed for 6 seconds as per default. This can be adjusted from the Pop-up Time out item of the User Preferences sub menu. While watching a channel, you can display the current channel information at anytime by pressing **i+**. Press **i+** again to close the channel banner.





## 7.4 Channel Lists

While watching digital TV or listening to digital radio, you can access existing channel lists by pressing **OK**. Successively press **FAV** to toggle between the favourite lists you created and the list of all available channels (Main TV list, Main Radio List, My Favourite, TV FTA, TV Crypted, Radio FTA, Radio Crypted).

**Note:** When one of the favourite lists is activated, you zap only through the channels this list contains. To create favourite lists, refer to the Favourite List Manager section

**Note:** “My favorites” list already includes the most popular channels

## 7.5 Volume & Audio Control

### 7.5.1 Volume control and Mute

To decrease or increase the volume, use . The volume level is controlled through your TV. To mute the sound, press .

### 7.5.2 Audio mode

To access audio settings, select Settings from the main menu, then select Audio/Video Settings.

- Scroll to Digital Audio Out and set the desired value (Stereo or Dolby Digital)
- Press **EXIT** and confirm by pressing the green key to save your changes and exit the screen. Press the red key to exit without saving your changes
- Select your Audio language by scrolling to

Soundtrack and setting the desired language.

- Press **EXIT** and confirm by pressing the green key to save your changes and exit the screen. Press **EXIT** and the red key to exit without saving your changes

**Note:** While watching live TV, press the key on the remote control to access directly the audio and subtitles languages. Available languages depend on the audio and subtitles content transmitted.

## 8 Menu

### Basic navigation

While watching digital TV or listening to digital radio:

- Press **MENU** to display the main menu.
- Press **▲** or **▼** to scroll up or down to the menu item you want to select.
- Press **OK** to display the corresponding sub items.
- Press **▲** or **▼** to move to the desired sub item.

**Note:** Press **MENU** to exit from the menu and go back to TV/Radio mode. Press **EXIT** to go back one step in the menu.

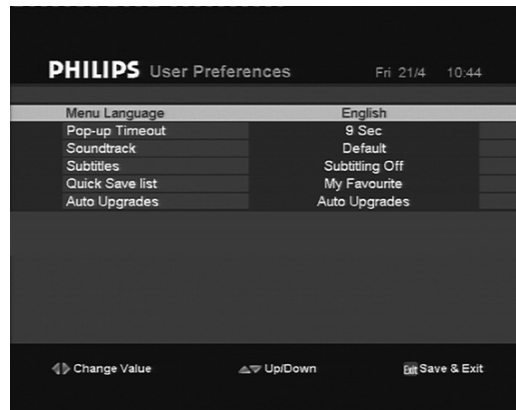
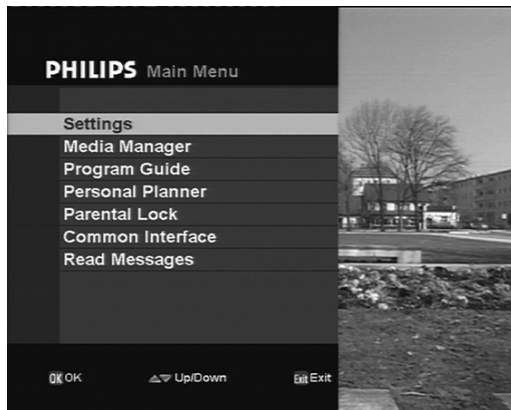
### Changing settings

Once you highlighted an adjustable item or sub item, you can then access the values and make changes using the **◀** or **▶** key to select an option or **OK** and number keys to enter numerical values.

**Note:** To open a locked menu item enter your PIN-Code.

### Cancelling/storing changes

Either press **MENU** to leave the menu system without saving your changes; or **EXIT**: a pop-up screen will appear. Press the green key to save your changes or the red key to exit without saving.



## 8.1 Settings

### 8.1.1 User preferences

User preferences is used to:

- Set the Menu language
  - Set the Pop-up timeout
  - Set the main Soundtrack language
  - Set Subtitles main language (or Off)
  - Set the default Quick Save List
- Your DVR will automatically pick up new software released from the network and replace the old software with the new software. It takes about 30 minutes. When you do not appreciate this change the setting into "Notify".
- An icon will appear indicating that new software is available. To read the message refer to "Read message" chapter 8.7, follow the instructions and accept or reject the software download.
- Enable Auto upgrades for software download
  - CAM message

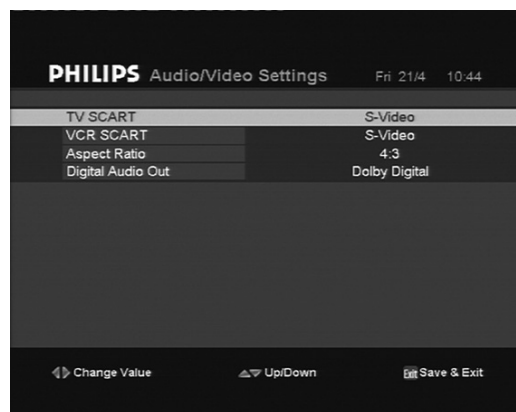
The default value of the setting is active (on). It allows you entering the smart card PIN code when requested and receiving information from the module. If you deactivate it (off), all the module messages are disabled.

**Note:** While watching live TV, press the key on the remote control to access directly the audio and subtitles languages. Available languages depend on the audio and subtitles content transmitted.

### 8.1.2 Audio/Video Settings

Select appropriate values for the following:

- **TV SCART:** CVBS, RGB, or S Video
- **VCR SCART:** CVBS or S Video
- **Aspect ratio:** 16:9, 4:3 or 4:3 Letter Box
- **Digital Audio Output:** Stereo or Dolby Digital



### 8.1.3 Time/Date

Select appropriate values for the following:

- **Automatic Time Update:** ON (recommended value)  
When time or EPG data is not correct, (in case you use another satellite than ASTRA) deactivate "Automatic Time Updates" (OFF).
- **Date**
- **Local Time**
- **Time Zone** (for automatic time updates and EPG)

**Note:** Correct values for date, local time and time zone are essential to have a perfect behavior of time, EPG and recording functionalities.

### Example:

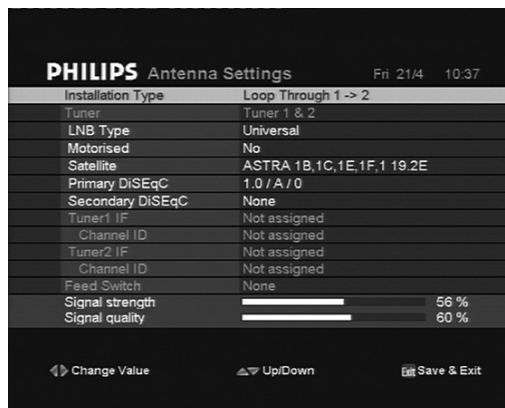
Country selected is Germany



Menu language selected is Turkish satellite is TURKSAT

In this case, deactivate Automatic Time Updates (OFF).

Local Time is German

Time Zone is GMT+2 hours for the summer time and GMT+1 for winter time



PHILIPS Antenna Settings		Fri 21/4 10:37
Installation Type	Loop Through 1 → 2	
Tuner	Tuner 1 & 2	
LNB Type	Universal	
Motorised	No	
Satellite	ASTRA 1B,1C,1E,1F,1 19.2E	
Primary DiSEqC	1.0 / A / 0	
Secondary DiSEqC	None	
Tuner1 IF	Not assigned	
Channel ID	Not assigned	
Tuner2 IF	Not assigned	
Channel ID	Not assigned	
Feed Switch	None	
Signal strength		56 %
Signal quality		60 %

## 8.1.4 Antenna Settings

Select appropriate values for the following:

### • Installation type:

- Dual if two satellites/2 cables or 1 satellite/2 cables, each tuner is then installed separately
- Loophrough if one satellite/one cable only or two satellite/one cable (unicable/dual LNB).
  - o Loophrough 1 → 2 if cable from the satellite is connected to the LNB In of the Tuner 1. LNB out of the Tuner 1 is then connected to the LNB In of the Tuner 2 by means of the short RF cable.
  - o Loophrough 2 → 1 if opposite situation

• **Tuner:** If you have selected the installation type “Dual”, the options Tuner 1 and Tuner 2 are displayed. You can now differently define the characteristics for both Tuner, e.g. adjust both Tuner to the different satellites.

• **LNB Type:** Set the LNB type Universal if your LNB is a standard LNB, Unicable if your LNB is a Unicable LNB. If Unicable LNB is chosen, refer to chapter Advanced Unicable settings to configure the 4 settings: Tuner 1 IF, Channel ID, Tuner 2 IF, Channel ID.

### • Satellite:

- Select the desired satellite: default setting is ASTRA 19.2° East
- (The lower half of the display will show a bar graph indicating signal strength, and will also indicate the signal quality of a TV channel found at this satellite position. The larger the signal graph is, the better the signal quality.)


• **Primary DiSEqC:** If the satellite installation is equipped for switching by means of DiSEqC commands, the DiSEqC position of the LNB can be entered here (up to four LNB's designated A, B, C or D).

## 8.1.5 Channel Search

### • Satellite Search

Use the automatic program search to allow your receiver to search through an entire satellite range for new programs. In this case, the entire frequency range of the satellite is searched. The following information must be configured:

- Satellite: Select the satellite position to be searched. Below this you will see a display of the current signal strength.
- Initiate the automatic program search by pressing the red function key.
- Newly found programs will be displayed one after the other on the following page. This can take a couple of minutes.
- When the result of the program search will be displayed, save the newly found programs with the Green key, or discard them by pressing the Red key.

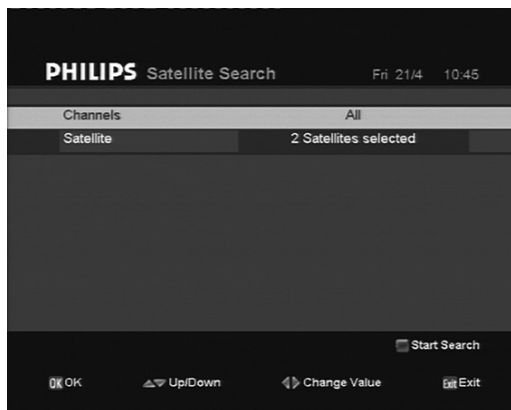
 **Note:** The search procedure can be terminated at any time by pressing the “EXIT” key. The response may not be immediate.

### • Channel Search

New digital satellite TV and radio programs are added almost on a daily basis, or existing programs change their frequency. If you wish to receive these programs, you must allocate them to specific program slots in the program list, and store them in memory. The program search function is designed to assist you in this activity, and there are various types of program search available.

Several procedures can be followed in order to initiate a program search. Press the “Menu” key

to call up the Main Menu, then using the directional keys select the sub-menu “Installation Setup”, followed by “Channel Search”, confirming your selection in each case by pressing the “OK/MENU” key. Here you can decide between the two options available, as described below.



### 8.1.6 Default Settings

- **Factory settings** is used to restore the receiver factory configuration  
Press the green key when prompted to confirm (or red key to cancel). If you reset your receiver to factory settings, you lose all data and information previously stored, and must restart first installation
  - **Channels only**  
Press the green key when prompted to confirm (or red key to cancel). Resetting only the channels by a new satellite scan; previously defined/modified settings remain unchanged.
  - **Format Hard Drive**  
Formatting has to be used in specific cases only (e.g. defective function)  
Press the green key when prompted to confirm (or red key to cancel)  
Warning: All stored data (recorded movies of the library etc.) will get lost during formatting. Confirm the desired function with the red (No) or the green (Yes) key.
- ⚠ When returning to factory default, the hard disk will be formatted and all data (recorded programs) will be lost, including your current PIN code setting.



### 8.1.7 System Info

- **Product Info:** is used to display the receiver reference, software and hardware ID, as well as Hard Disk Size.
- **Software update:**
  - Press **OK** to check for new software availability
  - If new software is available:
  - Press **OK** to accept the upgrade.
  - Press the green key to store the download or the red key to abort
  - The receiver will restart at the end of the download.

ⓘ **Note:** Automatic software download  
Your DVR will automatically pick up new software released from the network and replace the old software with the new software. It takes about 30 minutes.  
When you do not appreciate this change the setting into "Notify".  
An icon will appear indicating that new software is available. To read the message refer to "Read message" chapter 8.7, follow the instructions and accept or reject the software download.

## 8.2 Media Manager

The Media Manager allows you to design and administrate your favourite list and is also the access to recorded channels, which are archived here.

### 8.2.1 Library

The library is used to archive the programs that have been recorded are stored on the hard disk of your receiver.

- Press ▲ or ▼ to scroll up or down to the recording you want to select
- When zapping, a still video of the recorded sequences is displayed on the right side of the screen, below is specified the date, hour and length of each recording.
- Start the desired recording by pressing ► (Play)
- Press **EXIT** to leave the menu or **STOP** to stop the recording
- Use ◀◀, ▶▶, ||, ■ to forward, rewind, pause or stop the recording (Repeatedly pressing the ◀◀, ▶▶ key raises the forwarding / rewinding speed)
- To delete a recording, select an item from the library by pressing the red key.
- An overview of the remaining capacity of the Hard Disk is shown by a bar on the right side of the library menu screen, the shown percentage indicates the current occupied disk space
- To archive a recorded program, set an archiving timer.
  - 1 Select a recording from the library, press the blue contextual key.
  - 2 A pop-up will appear, set appropriate values for the timer. While type is highlighted, press ◀ or ▶ to select archive type.
  - 3 Press **OK**. A timer has been created in Personal Planner and will play back the recording at timer start.
  - 4 Set your VCR or DVDR to start recording at the receiver timer start (for more details on archiving your files, refer to Archiving on Video Tape or DVD)

**Note:** When navigating in library, if a recording is displayed in light grey, it means this recording is in progress. It can already be played back (watched in time-shift).

**Note:** To move a recorded program

- 1 Select a recording from the library, press the blue key.

If you want to move a block of several files, select the first block by pressing the green key, use ▲ and ▼ to highlight the last block, press

green key to confirm.

- 2 Press yellow key. A pop-up will appear, to select the directory where you want to record it.
- 3 Press green key to confirm.



## 8.2.2 Main TV List / Main Radio List

The main TV/Radio List includes factory made pre-listed, common channels of your country. Within the main TV List you can change the channels and/or block them with the parental lock function (see Parental Lock)

## 8.2.3 Favourite List Manager

At installation, all the channels found are added to the main TV list, which is automatically split in "Main TV", "Crypted TV", "FTA TV", "Main Radio", "FTA Radio", "Crypted Radio" or "Favourite" lists. From these lists, you may create favourite lists according to your preferences.

Favourites lists is used to

- Create, modify and delete lists of favourite channels
- Lock channels

### To create a favourite list:

- 1 Go to Media Manager sub-menu
  - 2 Select Favourite Lists Manager
- The Favourite List Manager will display all active channel lists (Main List)
- 3 Use the green key to create a new list of favourite channels.

A new display window will appear with an on-screen keyboard.

- 4 Use the directional keys and contextual colour keys to enter a name for the list to be created. Press Exit to save and go back to the favourite lists
- 5 Modify your favourite list as described below

### To modify a favourite list:

- Select a list to modify from the Favourites lists sub menu.
- Press the **OK** key to edit it
- Copy channels from the Main List (left) to the selected list of favourites (right). Select a channel from the list by highlighting it. Press a **OK**, the channel will be copied to the favourite list on the right
- Press the green key to navigate between the Main List and the favourites list
- Press the **■** (Stop key) key to lock/unlock a channel (Parental lock). Refer to Parental Lock chapter to activate the parental lock function.
- Press the red key to mark a channel for processing
- Press the yellow function key to move a channel (once the yellow key) or a group of channels (twice the yellow key), when the function is activated, follow then the instructions appearing in the Information text field at the bottom of the screen
- Press the green function key to sort the list, then choose the sorting type, green or blue or either red to come back to the initial numerical sorting
- To delete a channel in the favourite list, mark it with the red key and press the blue key for deleting
- Press **EXIT** to exit the screen. You are then prompted to confirm your changes.

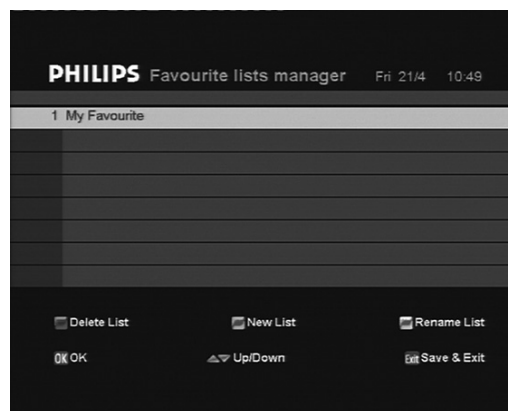
### To delete a favourite list:

- Select the list you want to delete from the Favourites lists sub menu
- Press the red key
- When prompted, press **OK** to confirm deletion.

**Note:** When you activate one of the favourite lists by pressing **FAV** while watching

digital TV or listening to digital radio, the receiver only zaps through your favourite channels.

Press **FAV** to again toggle between your favourite lists and the full channel lists.



## 8.3 Program Guide

The TV/Radio Program Guide (EPG) provides an overview of available TV and Radio channels, and programs the broadcasters have scheduled, starting with the current one.

To view EPG data:

- Press **EPG** on the remote control when watching a channel, or select Program Guide from the main menu.
- Use the blue function key on the remote control to move 24 hours forward or the yellow key to move 24 hours backward.
- Highlight the program name for which you want more detailed information.
- Press **ⓘ+** once to get extended information (program description), and once again to close it.
- Press **OK** to start watching the corresponding channel.

**Note:** No text or a 'No information yet' message is displayed if the selected channel does not provide EPG data. It may take a few seconds before data can be displayed.

**Note:** The data presented by the EPG are retrieved from the network. When using a common interface module, the data may be limited to information on the current program (NOW/NEXT).

- To set a recording on a program, move to the program name using the arrow keys and press **REC**.
- To set a reminder on a program, move to the program name using the arrow keys and press **OK**.



## 8.4 Personal Planner

### 8.4.1 Create a timer:

Press the blue function key “new entry”.

Select appropriate values for the following:

- **Type of recording:** You can choose between:
  - o Record: the program is directly set for recording
  - o Reminder: at the beginning of the program a pop up appears asking confirmation to switch channel
  - o Archive: Plays back the recording to archive it on an external device (for more details refer to Archiving recordings on Video Tape or DVD)
- **Channel ID**
- **Name**
- **Starting date**
- **Starting time**
- **Final date**
- **Final time**
- **Cycle** (Single, Daily or Weekly)

**Note:** Use the arrow buttons **◀**, **▶** or **OK** to change and edit a setting. Use the arrows keys **▼** and **▲** to move up and down in the options list.

### 8.4.2 Modifying a timer

Select a timer in the list and press **OK** to edit

### 8.4.3 Deleting a timer

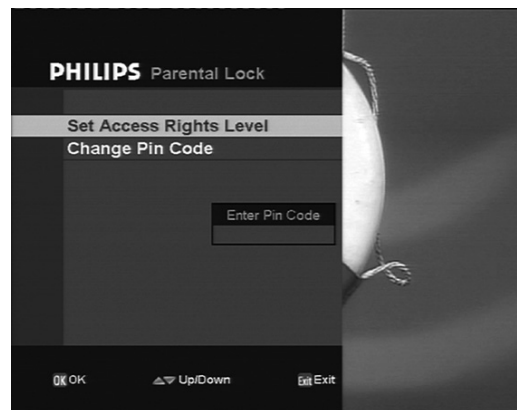
Select a timer in the list and press the red key to delete it

**Note:** Spontaneous recordings are possible at any time by using the record key. By pressing this key the receiver will start recording the on-screen program. Press Stop to stop recording.

**Tip:** While a recording icon is displayed in the top of the screen, you can hide/unhide it by pressing the blue key; this will not affect your recording.

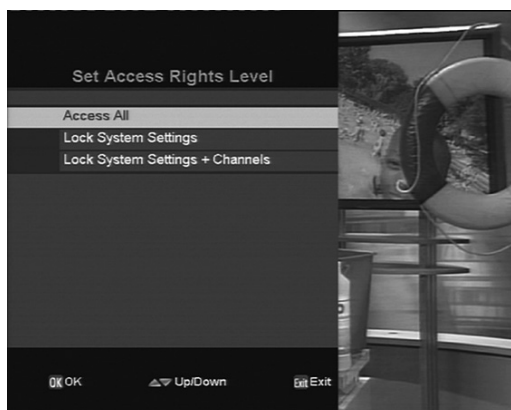
## 8.5 Parental Lock

The receiver provides an active parental control (lock) function, allowing you to block specific menu settings or individual channels by means of a four-digit security code (default PIN code).



### 8.5.1 Set Access Rights Level

- 1 Go to the sub-menu Parental Lock
- 2 Enter the four-digit PIN code
- 3 Select Set Access Rights Level and confirm by pressing the **OK** key
- 4 If the number is not accepted, repeat this step
- 5 When Pin code is accepted, Set Access Rights Level sub-menu opens
- 6 Select what you want to lock with the Pin code



- 1 Go to the display Parental lock
- 2 Select the line Set Access Right Level and enter the PIN code.
- 3 Select the line Access All to disable the parental lock.

With immediate effect, no PIN code will be required for any of the functions of the receiver.

! If you forgot your PIN: Go to the Troubleshooting section

### 8.5.2 Changing the PIN code

- 1 Go to the sub-menu Parental Lock
- 2 Enter current PIN Code
- 3 Enter new PIN Code
- 4 Follow instructions + Channels displayed on screen

⊖ **Note:** If you forgot your password, refer to Troubleshooting.

### 8.5.3 Blocking individual channels

- 1 Make sure PIN code has been activated. The default setting provides unrestricted access to all TV and radio channels.
- 2 Press the **EXIT** key to exit from the display Parental control.
- 3 In the Main Menu. Select the entry Main TV/Radio List
- 4 As the parental lock function is active, enter the PIN code
- 5 Select the channel list in which you wish to block individual channels.
- 6 Use the directional keys to go to the relevant channel in the main list (left), then block access to this channel by pressing ■ (Stop key)
- 7 For as long as the parental lock is active, this channel can only be viewed if the PIN is entered immediately after the channel has been selected.
- 8 To deactivate the lock on one channel, go back to the channel list manager, press the ■ (Stop key) and enter your password

### 8.5.4 Deactivate PIN Code

General deactivation of parental lock restrictions: In order to completely remove the restrictions on individual channels and on-screen displays,

### 8.6 Common Interface

If your receiver is equipped with a Common Interface module, the technical data relating to the modules inserted and to any smart cards inserted in these, can be accessed via a specific display.

To view this information:

- 1 Call up in the Main Menu “Common Interface”
- 2 You can view the information as to which of the two CI slots is currently fitted with a module
- 3 Use the directional keys to select the module in respect of which you require additional information, and confirm by pressing the “**OK**” key.
- 4 A display is generated by the CI module itself (and therefore may differ slightly in appearance from one module to the other)
- 5 In order to obtain a full display of the data, a smart card must be inserted in the module.
- 6 Please consult your installer or card provider for the details of the use of your specific card. Some common interface cards may not work properly. Use certified cards only.

⊖ **Note:** Once you have changed your Smart Card PIN Code, keep it secret to prevent others from using it. If you forget or lose your Pin Code, call your customer service adviser.

⊖ **Note:** After doing a record on a crypted channel, let periodically the box into stand-by with the CI+ CA module plugged.





## 8.7 Read messages

A message is sent to your receiver when new software is available. Press **OK** to read messages. New software improves the functionality of your DVR. Network changes can be the reason why new software has to be downloaded.

If new software is available:

- 1 Press **OK** to accept the upgrade.
- 2 Press the green key to store the download or the red key to abort
- 3 The receiver will restart at the end of the download.

If no new software is available, press the green key to go back to the Menu screen.

**Note:** After a successful software update, it is recommended to make a factory defaults. To activate this feature, go to the menu Default Settings (refer to chapter Default Settings).



## 8.8 Miscellaneous functions

### 8.8.1 Timers

#### Setting a timer from the Program Guide

- 1 Select Program Guide from the main menu, or press **EPG** on the remote control.

- 2 Move to the desired channel using the arrow keys.
- 3 Press **REC** to set a recording timer; the event will be marked in red; press **OK** on the selected program to set a reminder; the timer icon will appear next to the program title.
- 4 Enter your PIN code if necessary, and then set the timer as appropriate. By default, the settings correspond to the selected channel.
- 5 Pressing **REC** again cancels the record

#### Setting a timer while watching digital TV or listening to digital radio

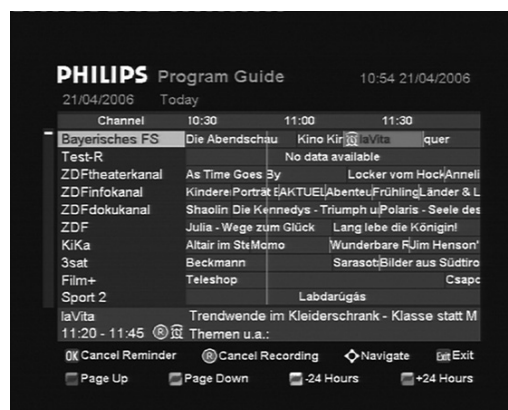
- Press **☺** to open the personal planner (for more details, refer to paragraph Personal Planner)
- Or press **[+]**
- Select the desired program by using the **◀▶** or **▲▼** keys
- Press **REC**, the timer is added to Personal Planner

#### Deleting an active timer

A timer is active. Recording is signalled on the front display of the box by "REC" followed by the number of programs currently being recorded.

#### To delete the active timer:

- If your receiver is in standby, press **P+**, **P-**, or any number key of the remote control to wake up the box.
- Press **■** (Stop), a pop-up screen appears, select the recording timer you want to delete and press **OK** to delete the timer or **EXIT** to cancel.



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## 8.8.2 Recordings with the Time Shift Buffer


- Watch, stop and rewind a program during the recording
- To watch the recorded program, you do not have to wait until the recording is finished
- Pause live TV by pressing **II/▶**
- Press the **II/▶** key to continue watch the program from where you paused it
- Use **◀** and **▶** keys to fast rewind/forward
- Watch a program and record another one at the same time
- Watch programs already archived on you hard disk and record at the same time.
- Record a program preset for recording out of you Personal Planner, record, a second program at Time Shift and watching a third from the same Transponder.
- When the Time Shift Buffer is full, the oldest recording is deleted automatically, to make space for a new recording.
- The recordings on your hard disk remain as long as you do not delete them.

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## 8.8.3 PiP - Picture in Picture

A feature of the Twin receiver is the possibility to view with two independent receiving spots a Picture in Picture-function.

- Activate it by pressing  on the remote control
- An additional small screen appears on the TV screen with the same program.
- When zapping to another channel the previous channel remains on the small screen.
- An additional pressing of the  closes the small screen.

 **Note:** When you use the receiver with the Common Interface, the feature Picture in Picture does not work (the Common Interface module can only decrypt one stream at the same time).



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## 8.8.4 Archiving recordings on Video Tape or DVD

### Archiving manually

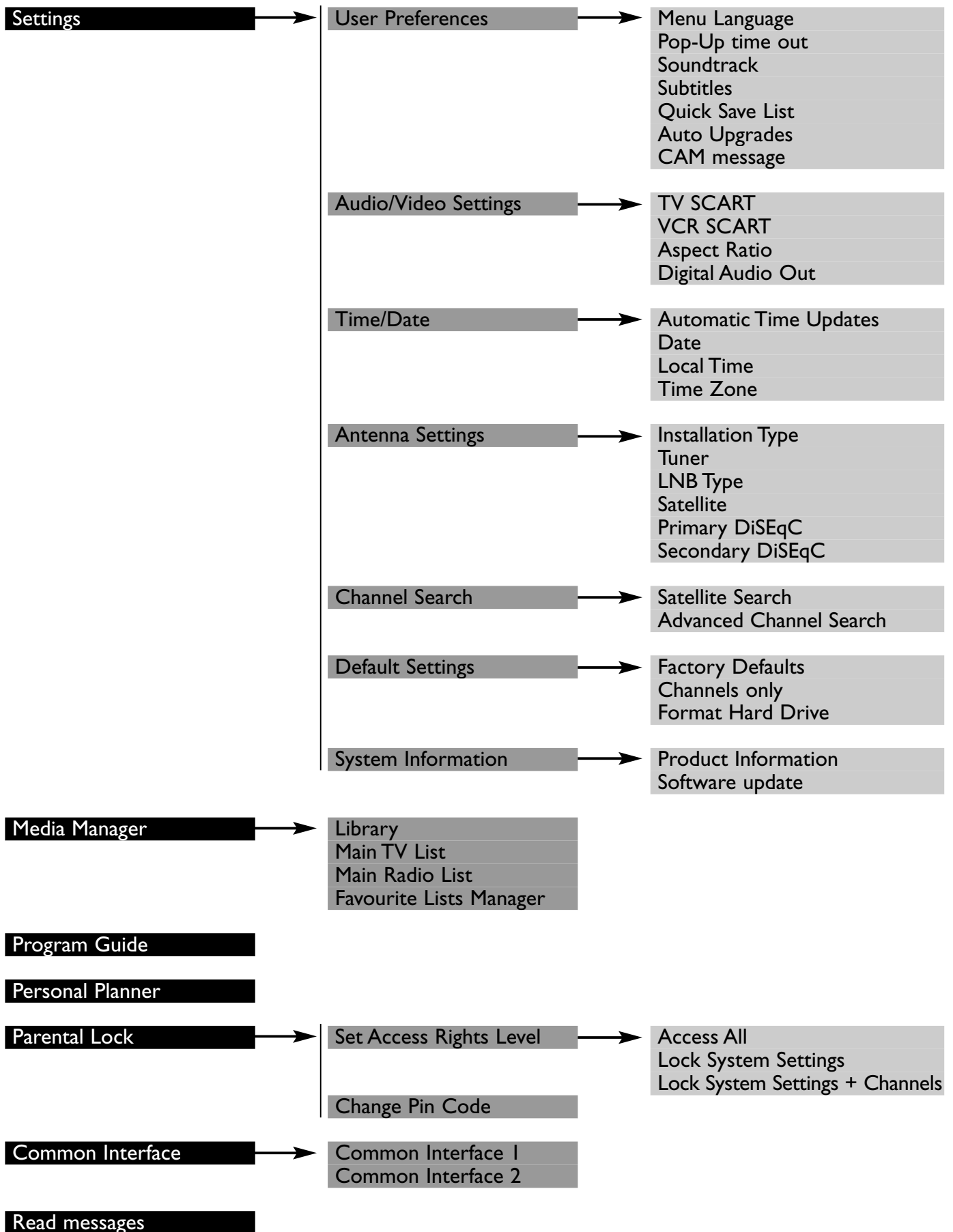
- Playback manually the previously recorded program you want to archive
- At the same time, press the record button of the DVDR (or VCR)
- At the end of the program, stop the recording from the DVDR (or VCR)
- Exit the playback mode to return to live TV

### Archiving automatically

- From My Personal Planner or from the HDD library, program your recording with an “Archive Timer” to start automatically to the time you wish to proceed the archive
- Set a recording timer from the DVDR (or VCR)
- It is important that the date/time are well synchronized between the devices (to insure that all the played-back program is recorded, set the timer to start few minutes before and to stop few minutes after)
- Automatically, at the exact time set previously in the timers the DSR7005 will playback the selected recorded program and the DVDR (or VCR) will start recording
- The two devices will automatically stop according to the time set in each of the timers.

 **Note:** No operation can be performed on the receiver when an archiving is ongoing.

# 9 Menu Tree



ENGLISH

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## 10 Tips

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### 10.1 Using tuners and Hard disk

A LNB is used to translate the satellite signal into channels.

Every LNB can be compared to a 6 lane highway that represents 10 to 20 channels per lane.

The product you have purchased has two tuners, which can be represented by two cars driving on the highway.

In the classical satellite installation there is one LNB, feeding 2 tuners on your DVR via the small cable on the back ('loop-through').

In this case you can only see and record channels from one of the lanes at the same time (you can watch one channel and look at another channel when they are in the same lane). The two tuners cannot show/record channels from two different lanes.

Action
Watch 1 channel & record another channel
Watch 1 channel & record 2 different channels (two of the 3 need to be in the same 'polarisation'/'lane of the highway')
Time shift 1 channel & record another
Time shift 1 channel & record 2 different channels (two of the 3 need to be in the same 'polarisation'/'lane of the highway')

When you add a second LNB or replace the LNB with a Unicable LNB, you add another 6 lane highway, one for each car. Now more combinations are possible.

Action
Watch 1 channel & record another channel
Watch 1 channel & record 2 different channels
Watch 1 channel & record 2 different channels and a 3 <sup>rd</sup> one in the same lane
Time shift 1 channel & record another
Time shift 1 channel & record 2 different channels
Time shift 1 channel & record 2 different channels and a 3 <sup>rd</sup> one in the same lane

For more information on the combinations and variations of different LNBs in the market, consult your Satellite installer/specialist who can show all possibilities to feed your DVR.

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## 10.2 Tips and tricks for recording and playback

This DVR has been designed according to our Sense & simplicity guidelines. For this reason we have many features in the box that make your life easier.

Hereunder you can find a summary of the most important ones:

### Recording (maximum 80 hrs)

There are multiple ways to record or to program a recording. In case of overlaps or conflicts the product will warn you.

### When you switch on your TV

Go to EPG/Electronic Program Guide pressing 

In this menu you have an overview of ongoing programs or program to come.

You can navigate in the different programs. The selected program becomes highlighted, then press **REC** to record it.



### Make recordings weekly/daily

In the Timer menu  you can add a new recording, and give it the name you want.

### Tip

- 1 All recordings will be added to the “Timers” list. You can go in this list to change the recording to make it become a weekly or daily recording. Thanks to this option you do not have to enter all data manually.
- 2 When you do not want to see the recording indicator on screen: press the blue button

### Recording via the Zapping banner


The banner gives information on future programs. You can see what is the next program pressing the  button and scroll to the right using the cursor . If you want to record it, press **REC**.


### Watch a recording

In a recording, it is easy to select the accurate sequence you want to see:


You can jump to Position Time pressing the yellow button.

You can forward to 1-9 minutes pressing the 1-9 buttons.



You can go backward minute per minute pressing the  button

You can go forward minute per minute pressing the  button

Use  to go fast forward,  fast backward 2,8,16,32 times

Press  a little longer to go into “slow motion”

### Time shift

Time shift is the classical application in a DVR. It will record the program you are watching as soon as you press the . If you have to stop watching your TV for a short while, when you come back you can continue to watch the program by pressing  without losing a minute of your program. Now you are in playback mode.

### Tip

If you quit watching the channel recorded in Time Shift, you will lose the recording! An alternative is to press **REC** and start to watch the program from the library while the recording is continuing.

## General (satellite only)

- 1 In case of “macroblocks” or bad reception (parabol icon with strikethrough) you can see the quality and strength of the signal in the menu Antenna settings. The minimum should be 50-70% to be able to receive all channels in good quality. This icon will also appear when you are recording and are therefore limited to the group of channels in the same “road”/multiplex. See chapter 10.

This additional information is about the signal quality

- Press **OK** to go into the channel list.
- Press blue key to display the technical information on the current service.
- Write down the frequency, polarisation and symbol rate.

Then Press the **MENU** button and select Settings, Channel Search, Advanced Channel Search

- Enter the data you have written down.

Now you see the quality and strength of the service.

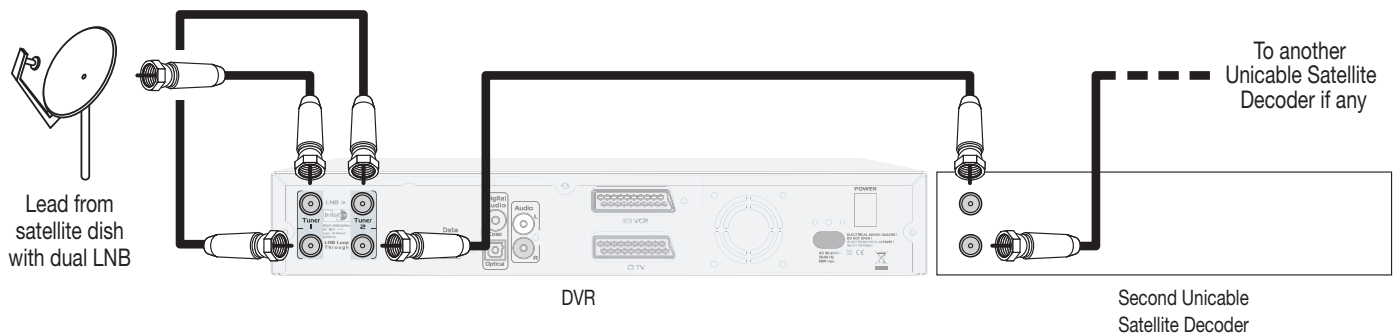
When the displayed values are under 50-70% you need to improve your installation

(See troubleshooting) or contact your installer.

- 2 The more “tuner inputs” you have, the better you will enjoy the DVR. We advise you to use a UNICABLE LNB or a Twin LNB (in this case you need 2 cables from the dish to the product) for more freedom in recording and watching different channels at the same time.

## 11 Advanced Unicable settings

In case you have installed a Unicable LNB, the 2 tuners of the DVD can process the signal independently. You can watch and record 2 different channels, no matter which polarization is set. Connect your receiver as described below:



Then, configure the menu “Antenna settings” by choosing the option Unicable in LNB type. Connect first the DVR to the dish. And then, connect all other satellite Unicable decoder if any.

Press blue button and wait around 20 seconds for auto detection.

Now the 4 following items become available: Tuner 1 IF, channel ID and Tuner 2 IF, channel ID.

Recommended values are:

Channel ID for Tuner 1 is 0 and channel ID for Tuner 2 is 1.

Select the frequency to 1680 Mhz for Tuner 1 IF, by using ◀ and ▶ , which corresponds to the channel ID value mentioned above.

Select the frequency to 1420 Mhz for Tuner 2 IF, by using ◀ and ▶ , which corresponds to the channel ID value mentioned above.

- If signal strength and quality are adequate then press **EXIT** to save and proceed.
- If not, check that each channel ID has a unique value (for each decoder).

In case Unicable is not detected refer to Troubleshooting.

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## 12 Remote control settings

This chapter describes how to use your remote control for multiple devices.

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### 12.1 Modify remote control settings to match your audio/video equipment

Prior to using your remote control, check or set the following:

- Select the device you want to control (Mode selection)
  - Volume and mute control assignment
  - Brand setting for your TV,VCR, DVD and Amplifier
- 

#### 12.1.1 Mode selection

Your 5-in-1 remote control can be used to control most of your audio/video equipment through various modes:

- DVR mode for the control of your digital receiver
  - TV mode for the control of your brand TV set
  - VCR mode for the control of your brand VCR
  - DVD mode for the control of your brand DVD or DVD Recorder
  - AMP mode for the control of your brand audio tuner/amplifier.
    - Press **SELECT** once to check which mode is active.
    - To change the mode, press repeatedly **SELECT** until the desired mode is signalled by the corresponding indicator.
    - The mode sequence is DVR → TV → VCR → DVD → AMP.
- 

#### 12.1.2 Volume and mute control assignment

##### Default volume and mute control assignment







- For each mode, you can select the device of your audio/video set-up that will be assigned to control volume and mute.
- When in DVR mode, the volume functions (  $\triangleleft+$ ,  $\triangleleft-$  and  $\times$  keys) can be controlled through your TV set, amplifier, or digital receiver. By default, volume control is performed through the DVR set.
- When in TV,VCR or DVD mode, the volume functions (  $\triangleleft+$ ,  $\triangleleft-$  and  $\times$  keys) can be controlled through your TV set or amplifier. By default, volume control is performed through the TV set whose brand setting is Philips.
- When in AMP mode, the volume functions (  $\triangleleft+$ ,  $\triangleleft-$  and  $\times$  keys) can be controlled through your amplifier only whose brand setting is Philips.

##### Changing the volume and mute control assignment

The settings below assume you start from default settings.




- Your Digital Receiver (DVR),TV,VCR or DVD audio outputs are “all” connected to your amplifier. We advice you to assign the volume control to your amplifier for all modes (DVR,TV,VCR, and DVD). To do so:
  - Press repeatedly **SELECT** to select the AMP mode.



- Press simultaneously keys **1** and **3** until the AMP indicator turns on then release these keys.
  - Enter code 993. The indicator surrounding the  key blinks once after each entry.
  - Press the  key. The indicator surrounding the  key blinks twice.
- From now on, whatever mode you are in, the AMP indicator turns on each time you press one of the ,  or  key. When controlling the volume make sure the source selector of your amplifier is properly set (refer to your amplifier user manual for source selection).

- Your TV set is only fitted with SCART connectors

We advise you to assign volume control to your digital receiver for the DVR mode. To do so:



- Press repeatedly **SELECT** to select the DVR mode.
- Press simultaneously keys **1** and **3** until the DVR indicator turns on then release the keys.
- Enter code 993. The indicator surrounding the  key blinks once after each digit entry.
- Press the  key. The indicator surrounding the  key blinks twice.

- You have made several setting changes and you want to restore the default volume control assignment settings (see table in chapter 10.2)

Default volume control assignment means:

- in TV mode, control is performed through your Philips brand TV set
- in VCR mode, control is performed through your Philips brand TV set
- in DVD mode, control is performed through your Philips brand TV set
- in AMP mode, control is performed through your Philips brand amplifier only.




#### To return to default settings:



- Press simultaneously keys **1** and **3** until the indicator surrounding the  key blinks twice then release these keys.
- Enter code 981. The indicator surrounding the  key blinks twice.

## 12.2 Change settings of your remote control for TV, VCR, DVD or Amplifier

By default at first power up or at first installation, your remote control is preset to control your Digital Receiver as well as most Philips branded audio/video devices.

If you have other brands of devices, or if the presets do not enable you to control your Philips device, please follow the procedure below:


- 1 Choose one brand code, made of 4 digits, from the list at the end of this manual. (If several codes are possible, go through this procedure with the first code and try your remote control. If you are not successful, repeat the procedure with the second code, and so on)
- 2 Press repeatedly the SELECT key to choose the mode corresponding to the type of device you want to set up (TV, VCR, DVD or Amp/Tuner).
- 3 Press digits 1 and 3 simultaneously until the indicator surrounding the  key blinks twice then release these keys.
- 4 Enter the 4 digit code corresponding to the device brand you have chosen. The indicator surrounding the  key blinks once after each one of the first three entries. The indicator surrounding the  key blinks twice after the fourth entry.


 **Note:** If an invalid code has been entered, the indicator surrounding the  key blinks once only. Restart from step 1.

We advise you to fill in the table 1 below to remind your personal remote control settings. This will be helpful the day you have to replace the remote control batteries.

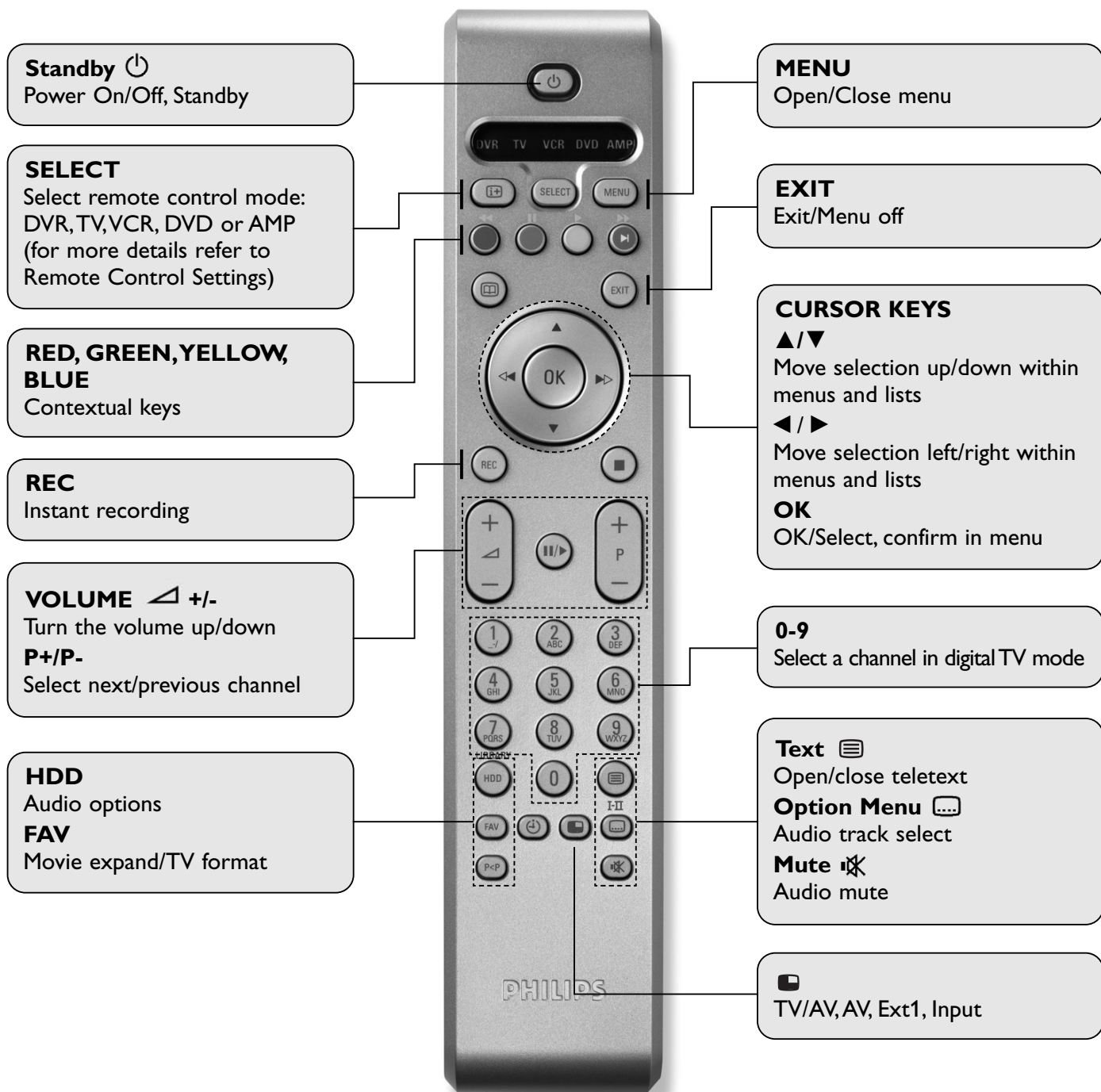
		Default setting			Your personal setting		
		Brand	Code	Volume control performed through	Brand	Code	Volume control performed through
M O D E	TV set	Philips	0556	TV			
	Video rec.	Philips	0081	TV			
	DVD	Philips	0539	TV			
	Amp.	Philips	1715	AMP			
	DVR	DVR 1		TV	DVR (1 or 2)		

**Table 1**

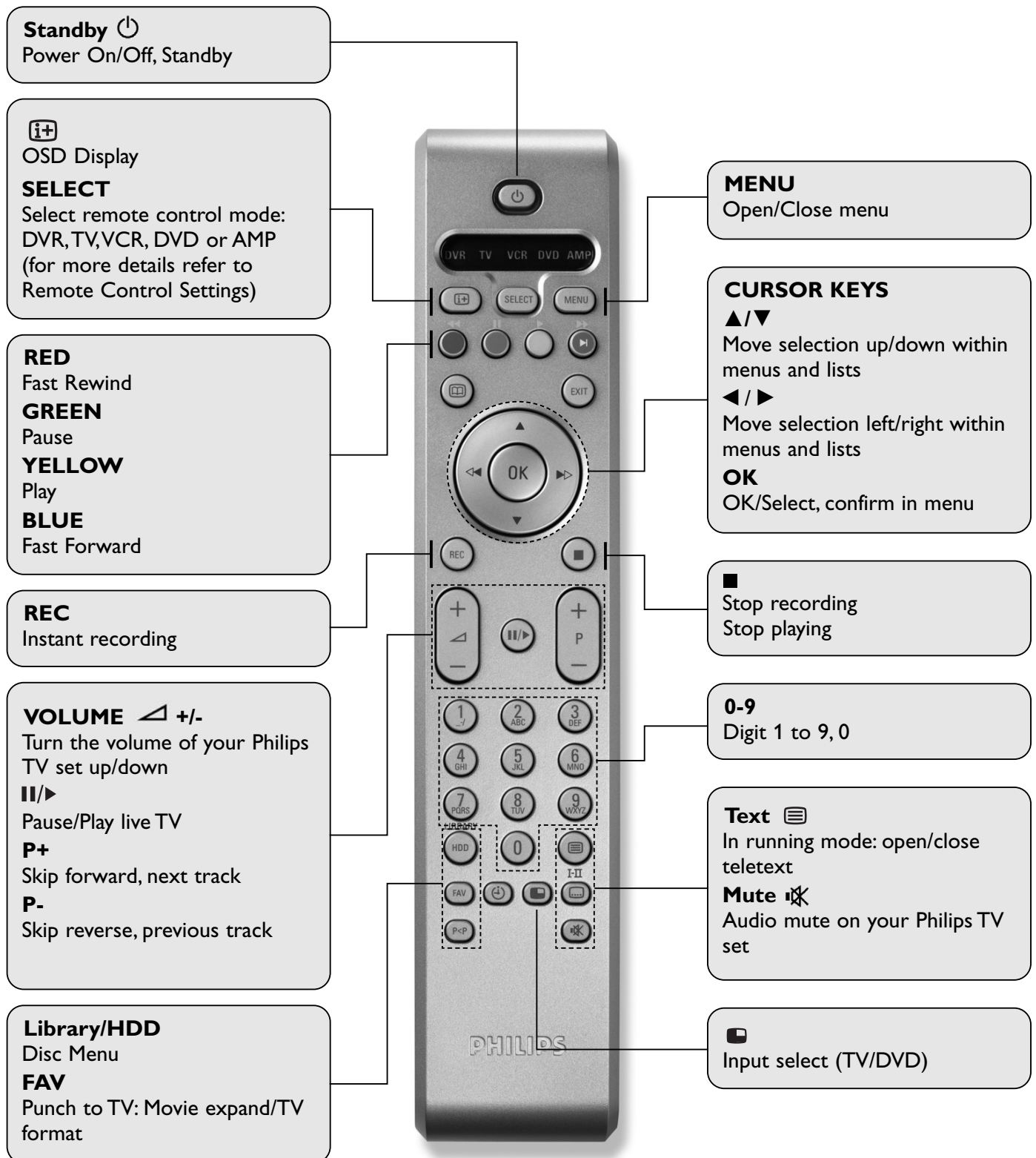
 **Note:** If the battery change takes more than 1 minute the remote control may return to the Philips default settings. Therefore you have to proceed with a new setting of your remote control with the help of the table above for your non-Philips branded devices.

 **Disclaimer:** All manufacturers are concerned about the constant improvement of their products. Although your remote control is compatible with most of the equipment of the following list, Philips cannot guarantee its operation with the complete range of products on the market

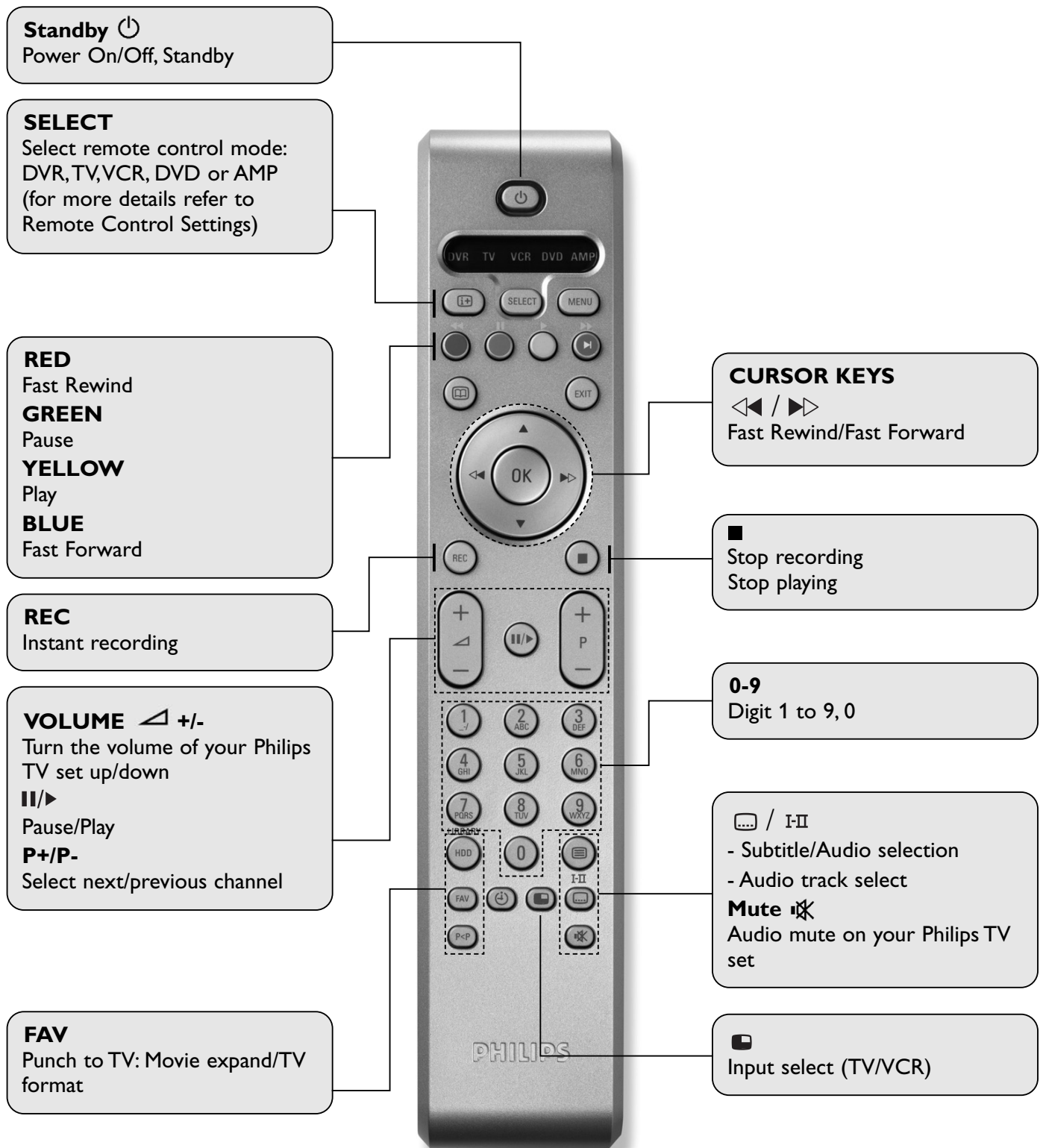
## 12.3 Remote control (TV Mode)



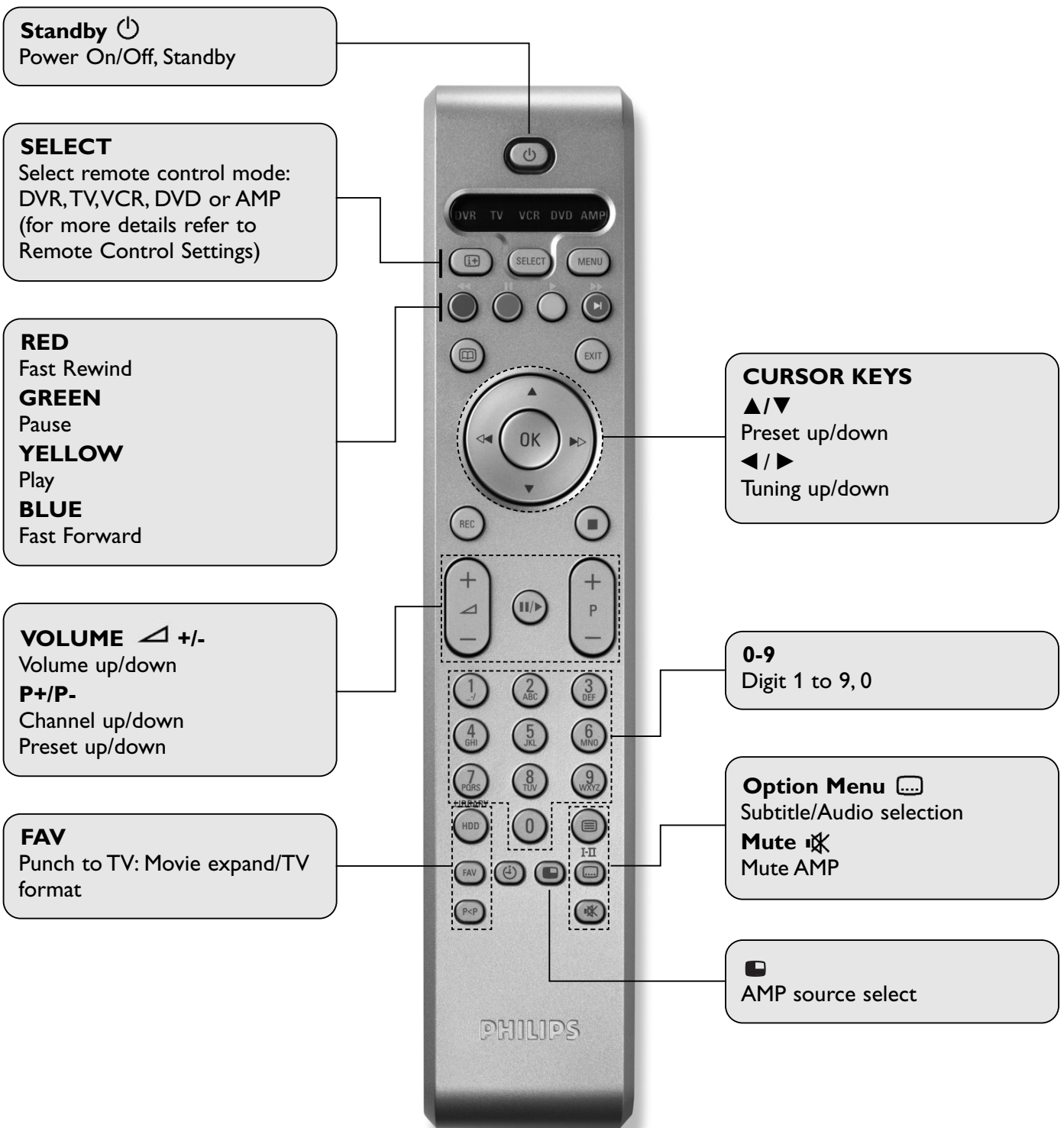
## 12.4 Remote control (DVD)



## 12.5 Remote control (VCR)



## 12.6 Remote control (AMP) (note that AMP stands for Audio receiver)





## 13 Troubleshooting

Be aware that new software may change the functionality of your receiver.

Should you experience any difficulties with the operation of your receiver, please consult the relevant section of this manual, including this section. If the problem cannot be solved, call your customer service adviser.

<b>Problem</b>	<b>Possible cause</b>	<b>Action</b>
Device does not start	Short-circuit in the antenna cable	Check antenna cable
	No mains voltage	Check connector cable and pluggable power supply Verify that the button on the back of your receiver is switched to "1"
	No picture, no sound	Check connector cable and pluggable power supply
No picture, no sound	No mains voltage	Check connector cable and pluggable power supply
	No channel list or incorrect channel list	Carry out automatic channel scan
	Short-circuit in the antenna cable	Switch device off, eliminate short-circuit, switch device on
	Defective or missing cable connection	Check all cable connections
	Satellite antenna badly adjusted	Readjust satellite antenna
	Lost connection, or cable too long	Check connection, shorten cable length
No picture or bad picture	Satellite dish too small	Use larger satellite dish
	SCART plug not completely connected	Check SCART connection
	Satellite antenna badly adjusted	Readjust satellite antenna
	Channel is broadcasted by means of other parameters	Carry out automatic scan mode
Sound available, no picture	Satellite antenna badly adjusted	Readjust satellite antenna
	Channel is broadcasted by means of other parameters	Carry out automatic scan mode
	SCART plug not completely connected	Check SCART connection
Picture available, no sound	You have selected Dolby Digital for the sound reproduction, but you have not connected a respective device	Set a different audio output format via Settings
No reception of channels that could be received before	Channel is no longer broadcasted	Refer to channel search chapter for a scanning to update the channel parameters.
Missing channels during installation	Disturbance by DECT telephone	Increase distance between device and telephone
	Satellite antenna badly adjusted	Readjust satellite antenna



<b>Problem</b>	<b>Possible cause</b>	<b>Action</b>
RC unit does not work	Obstacle between RC unit and receiver Device is not switched on Batteries are empty	Eliminate obstacle Switch on device Insert new batteries into RC unit
Several channels are not received from time to time	These channels are not broadcasted 24 hours a day and sometimes are not available. This is not a fault.	
Bad picture quality	Incorrect TV SCART output signal	Set other TV output signal, see Paragraph Audio/Video Settings
Forgotten PIN code		Press in this order: Red, Green, Blue, Yellow keys in the Parental Lock menu. The PIN code value will reset to 1111.
The displayed time differs from the current program	Incorrect time settings	Check the settings at Installation Time/Date, especially after having switched to summer time or winter time
Encoded programs are not received	CI-CA module not or incorrectly inserted Smart card not or incorrectly inserted into CI-CA module CI-CA module and smart card belong to different decoding systems	Check the CI-CA module Check the smart card Switch to the respective required type of encoding Verify that the CAM message item displayed from the menu User preferences is activated
Record cannot be set	Two many recordings are programmed Recording conflict	Check the personal Planner for conflicting recording timers
Unicable LNB is not detected	Cables not correctly connected Conflict between Unicable channels ID Devices such as amplifier, switch, DiSEqC are causing interferences	Check connections including Unicable LNB Choose a unique value of channel ID by changing the frequency value for each Tuner IF Check that those devices are Unicable compatible
Cannot watch or access to channel while recording another channel	Dual LNB or Unicable LNB configuration is not used	Install Unicable or Dual LNB. For more explanation refer to chapter 10, Using tuners and Hard disk
Temperature warning pop-up appears	Ventilation is not optimal	For correct behaviour, put the receiver in standby mode. The ventilator shall not be clog
Cannot watch recorded program of a scrambled channel	CA subscription right could be expired	With the CI-CA module plugged, let periodically the box in stand-by mode
The following message on alphanumerical display on the receiver: "CRC error".	Your DSR7005 is blocked and it needs to be updated.	Re-boot your receiver by taking out the power connector. Then, while you press the 'Standby' button on the receiver plug the power connector at the same time. As soon as you see on the TV screen: 'OTA x%' you no longer press the 'Standby' button. The receiver will download new software if available on the Astra satellite in 10 minutes, once it has downloaded the software it will re-boot and start up in virgin mode.



If you have tried all of the actions suggested above and could not solve the problem, contact your customer service adviser.

# 14 Technical specifications

This product is in conformity with European Directives 95/47/EC and 2002/21/EC.

## Satellite Front-Ends

- Quantity: 2
- LNB IF input Connector: 2 X F-Type, Female
- Loop Through Output Connector: 2 X F-Type, Female
- Input Frequency range: 950-2150 MHz
- Input Impedance: 75  $\Omega$
- Input signal level: -65 dBm ~ -25 dBm
- Demodulation type: QPSK
- Symbol Rate: 2 ~ 45 Mbaud
- Supported FEC: Inner code rate 1/2, 2/3, 3/4, 5/6, 7/8  
Outer code RS (204)
- LNB Power (X2): 12.5~14.5V (for 14V), 16.4~18.6V (for 18V)
- Current: 400mA max., Overload protection
- LNB Control (X2): Frequency: 22 +/-4 KHz, Amplitude 0.9 +/-0.1 V
- DiSEqCTM Control: DiSEqCTM 1.0, 1.1, 2.0, Unicable

## System

- CPU + MPEG2 decoder / Clock: STi5514/ 166Mhz  
32-bit RISC
- Transport: 2 X DVB De-multiplexer
- Flash memory: 4 MB
- System memory: 16 MB
- EEPROM: 8 K

## CI Slots (Common Interface)

- Common Interface type: Dual, PCMCIA, 5V, 16-bit
- Common Interface Chip: ALTERA ACEX1K10
- Common Interface support: DVB-CI standard (EN-50221)

## AV Decoder

- Video decoding capability: MPEG-1 ISO/IEC 11172-2 and MPEG-2 MP@ML
- Video resolution: 720 x 576 (Pal)
- Aspect ratio: 4:3 and 16:9, Automatic adjustment for 16:9 TV sets, Letter Box supported
- Audio decoding capability: MPEG-1, MPEG-2, audio layers 1 & 2
- Audio sampling frequency: 16 kHz, 22.0516 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96kHz
- Digital Audio: Dolby Digital 5.1
- Digital Audio SPDIF Output format: IEC-60958 for PCM data
- AV Memory SDRAM: 8 MB

## Serial Port

- RS232C: Transfer rate 115,200 bps

## Hard Disk Drive

- Capacity: 80 / 160 GB
- Interface: Ultra ATA / 100MHz
- Speed: 5400 rpm

## Software Upgrade

- Download through RS-232 port
- OTA Download

## Rear panel interface

- Front-End: LNB IF input connector: 2 X F-Type, Female
- Front-End: Loop through Output connector: 2 X F-Type, Female
- TV SCART connector: CVBS(output), RGB (output), L&R Audio (output), SVHS (output)
- VCR SCART connector: CVBS (input & output), RGB (input), L&R Audio (input & output), SVHS (output)
- Digital Audio SPDIF: 1 X Coaxial, 1 X Optical
- CINCH (RCA): Audio - L & R
- Serial port: RS-232C (Female, DB-9)

## Front Panel

- 3 Keypads
- Display: 10-digit VFD
- 1 LED indicator
- 1 IR Sensor
- 2 CI slots

## Power requirements

- Mains input voltage: 90-260 VAC~
- Mains input frequency: 50-60 Hz
- Power consumption: Normal operation: 22W
- Standby mode: 16W
- Max.: 60W

## Physical specification

- Size (W X D X H), mm: 380 X 250 X 60
- Operating temperature: (+5) ~ (+40) oC
- Storage temperature: (-20) ~ (+60) oC

## Accessories

- Remote Control Unit: : 5-in-1 Universal Remote Control
- Battery x 2
- User's manual: English, German, Turkish, Dutch
- A/V Cable: 1 SCART cable

This product complies with the following European Directives:



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



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# Marken-Codes für die Einstellung der 5-in-1 Philips-Universal-Fernbedienung

Codelijst voor het instellen van de Philips 5 in 1 universele afstandsbediening voor apparatuur van andere merken

Philips 5'i bir arada evrensel uzaktan kumanda için  
Marka Ayar Kodu listesi

Коды аппаратуры для универсального ПДУ Philips  
«5 в 1»

Brand Setup Code list for Philips 5-in-1 universal remote control

## ##### Setup Code For All Audio Amplifiers (A) #####

Awa	1301
Bush	1301
Curtis Mathes	0327
Goodmans	1301, 1617
Lexia	1301
Limit	1408
MaXmann Electronics	1357
Micro Lab	1357
Minowa	1156
Mustek	1617
Optimus	0327
Pioneer	0327
RCA	0327
Redstar	1408
Reoc	1408
Roadstar	1301
Sansui	1357, 1408
Schneider	1156
Sony	0716
Synn	1408
TCM	1156
Teac	1301
Telefunken	1357
Tevion	1156
Thomson	1156
Yamaha	0381

## ##### Setup Code For All Audio Amp/Tuners (R) #####

AEG	1417
Aiwa	0148, 1296, 1415, 1432, 1668
Akai	0142, 0636, 1205, 1247, 1356, 1417
Alco	1417
All-Tel	1417
Amstrad	0771
Anam	0636, 1636
Anam National	0636
Apex	1284
Apex Digital	1284
ASCOMTEC	1416
Audiosonic	1416
Audiovox	1417
Audioworld	1417
Bang & Olufsen	0826
Baseline	1581
Basic Line	1581
Belson	1416
Binatone	1416
Blue Sky	1417
Bose	1382
Bush	0824
Cambridge Audio	1674
Carver	0148, 0387, 1316
CCE	1379
Centrex	1284

Centrum	1247, 1416		1340, 1596, 1597
Classic	1379	Kioto	0824
Clatronic	0824	KLH	1417
Coby	1416	Komperna <sup>™</sup>	0824
Cosmotron	0824	Koss	0771
Criterion	1447	Lenoxx	1638
Curtis	0824	Lenoxx Sound	1638
Daewoo	1205, 1277, 1320, 1463	LG	1320, 1551
Dantax	0490, 1417	Lifetec	0824
Denon	0148, 1131, 1387, 1487	Luxman	0490
Denver	1416	LXI	0771
Diamond	1417	Magnat	1416, 1666
Digitrex	1284	Magnavox	1296
DiK	0824	Magnum	1638
DK Digital	1447	Marantz	0771, 1296, 1316
DMTech	1666	Matsui	0771, 0774, 0824
Dual	1247, 1417, 1447, 1666	MBO	1379
Dynamic Bass	0387	McIntosh	1316
eBench	0771, 0824	Medion	0824, 1447
Elta	0771, 0824, 1417	MEI	1417
Eltax	1567	Micromaxx	1447
Ferguson	1181	Microstar	0824
Fisher	0387, 0824, 1828	Mustek	1379
Fonmix	1387	Mx Onda	0771, 0824
Futronic	1351	NAD	0347, 0636
Garrard	0490, 0771	Nakamichi	1340
Go Video	1379	NEC	1277, 1463
GoldStar	1551	New Castle	0529
Goodmans	0636, 0771, 0774, 0824, 1205, 1226, 1416, 1417, 1447, 1638	Nikkai	1416
GPX	0771	Nikkei	0771
Grundig	0824, 1371, 1666	Nikko	0636
Grunkel	0771, 1417	Norcent	1416
Hanseatic	1417	Nova	1416
Harman/Kardon	1316, 1331, 1337	NTDE Geniesom	0771
Harwood	0771	Onkyo	1325, 1347, 1558
HCM	1417	Optimus	0101, 0142, 0148, 0213, 0529, 0771, 0781, 0824, 1050
HE	1416	Orient Power	0771
Hitachi	1226, 1371, 1581, 1828	Orion	0490
Hitech	0771	Palladium	0824, 1247, 1320, 1371, 1417, 1452
Hoehner	1284	Panasonic	1315, 1335, 1545, 1790
Hyundai	1666	Paramount Pictures	1247
Inkel	0529	Philco	1417
Integra	1325, 1347	Philips	1296, 1316, 1742
Intersound	0771	Phonotrend	0529
JBL	1317	Pioneer	0213, 0316, 1050, 1211, 1311, 1486, 1683
JCPenney	0771	Polk Audio	1316
Jensen	0781	Prima Electronic	0824
JVC	0101, 0491, 1226, 1227, 1401, 1522	Proline	0824, 1284, 1417
Kawasaki	1417	ProVision	1416
Kenwood	0213, 0739, 1054, 1308,		

Qisheng	1417, 1636
Quelle	1205
Radionette	1320
RadioShack	0771, 1636
RCA	0387, 1050, 1181, 1417, 1486, 1636
Realistic	0148, 0213, 1636
Recco	0824
Redstar	1416
Roadstar	0774, 0824, 1638
Rotel	0820
Samsung	1226, 1308, 1322, 1331, 1451
Sansui	0636, 1356, 1567
Sanyo	0387, 0771, 1828
Schneider	0771, 1205, 1226, 1247, 1417
SEG	1277, 1581
Sharp	0213, 0680, 1641
Sharper Image	0824, 1487
Sherman	1351
Sherwood	0529, 0680
Shinco	1417
Siemens	0636
Silsonic	0203
Silva Schneider	1417, 1551
Sony	0820, 1185, 1285, 1468, 1481, 1585, 1685, 1785, 1786, 1885
Soundwave	0636
Starlight	0824
Stereophonics	1050
Sumida	0771
Sunfire	1340
Sylvania	0824
Tandberg	1581
Tangent	1567
TCM	0824
Teac	0490, 0636, 0680, 0771, 0774, 0781, 0824, 1205, 1226, 1253, 1298, 1306, 1308, 1417, 1452, 1490, 1506, 1555
Technics	0235, 1335, 1336, 1545, 1790
Techwood	0636
Telefunken	1417
Tevion	1416, 1452, 1638
Thomson	1181, 1381
Thorn	0771
Tokai	1417
Toshiba	1599
United	1417

Universum	0636, 0771, 0781, 0824, 1205, 1247, 1417, 1452, 1463, 1636
Venturer	1417
Vestel	1581
Victor	0101
Voxson	1447
Waitec	1379
Watson	0824
Welltech	0824
Wharfedale	1417
Xenius	1417
Yamaha	0203, 0213, 0739, 1050, 1303, 1358
Yukai	1379
Zenith	0771, 1320, 1551

**##### Setup Code For All TVs (T)**  
**#####**

888	0291, 0439
A-Mark	0036
A.R. Systems	0379, 0401, 0482, 0583
Accent	0036
Acura	0036
Addison	0135, 0680
Admiral	0114, 0120, 0190, 0291, 0317, 0390, 0445
Advantz	0309
Adyson	0243, 0244
AEG	1190
Agashi	0243, 0244
AGB	0543
Agef	0114
Aiko	0036, 0243, 0244, 0291
Aim	0482, 0733
Aiwa	0291, 0728, 0732, 1943
Akai	0036, 0062, 0087, 0099, 0190, 0205, 0235, 0243, 0244, 0245, 0291, 0388, 0398, 0404, 0439, 0460, 0500, 0507, 0543, 0575, 0583, 0608, 0629, 0633, 0658, 0675, 0741, 0742, 0772, 0839, 1564
Akashi	0036
Akiba	0245, 0309, 0482
Akira	0445
Akura	0036, 0190, 0245, 0291, 0309, 0439, 0695, 0741, 1064
Alaron	0197, 0243

Alba	0036, 0063, 0100, 0190, 0243, 0245, 0262, 0274, 0286, 0379, 0382, 0398, 0445, 0470, 0514, 0608, 0695, 0741, 1064	Bang & Olufsen	0114, 0592
All-Tel	0892	Baohuashi	0291, 0439
Alleron	0197	Baosheng	0036
Allorgan	0233, 0244	Barco	0407
Ambassador	0204	Basic Line	0036, 0244, 0245, 0309, 0366, 0401, 0482, 0583, 0695, 1064, 1190
American High	0087	Baur	0388, 0482, 0539, 0562, 0571
Amplivision	0244, 0397	Bazin	0244
Amstrad	0036, 0038, 0190, 0204, 0245, 0291, 0389, 0398, 0439, 0460, 0543, 0608, 0675, 1064	Beaumark	0205
Anam	0036	Beijing	0036, 0235, 0253, 0291, 0401, 0439, 0509, 0688, 0839
Anam National	0677	Beko	0222, 0319, 0397, 0445, 0513, 0633, 0741, 0742, 0835, 1064
Andersson	1190	Bell & Howell	0120
Anex	0448	Bell and Howell	0120
Anglo	0036, 0291	BenQ	1783
Anitech	0036, 0309	Beon	0190, 0245, 0445
Ansonic	0036, 0131, 0319, 0397, 0695, 1464	Berthen	0695
AOC	0036, 0087, 0120, 0135, 0184, 0205, 0478	Best	0364, 0448
Aolinpike	0291, 0439	Bestar	0397, 0401
Apex Digital	0917	Bestar-Daewoo	0401
AR	0379, 0583	Binatone	0244
Arcam	0243, 0244	Black Diamond	0641, 1064, 1190, 1936
Ardem	0741	Black Panther	0129
Aristocrat	0190	Blaupunkt	0063, 0197, 0222, 0482, 0562
Aristona	0583		
ART	1064		
ASA	0097, 0114, 0131		
Asberg	0129		
Asora	0036		
Asuka	0244, 0245, 0291		
Atlantic	0233, 0347		
Audiosonic	0036, 0136, 0244, 0245, 0291, 0364, 0397, 0401, 0513, 0741, 0742		
Audioton	0244, 0291, 0513		
Audiovox	0478		
Autovox	0114, 0233, 0244, 0274, 0571		
Awa	0036, 0038, 0063, 0135, 0184, 0243, 0244, 0291, 0401, 0633		
Axxent	0036		
Baihe	0036, 0291, 0439		
Baile	0036, 0401, 0688		
Baird	0099, 0100, 0136, 0220, 0235, 0244		

Blue Sky	0245, 0309, 0482, 0514, 0526, 0583, 0695, 0741, 0742, 1064	Cimline	0036, 0245
Blue Star	0309	Cineral	0478
Bondstec	0274	Citizen	0062, 0087, 0309, 0478
Boots	0036, 0221, 0244	City	0036
Bosch	0347	Clarivox	0097, 0364
Boxlight	0779	Clatronic	0036, 0129, 0244, 0245, 0274, 0291, 0347, 0397, 0398, 0606, 0741
BPL	0235, 0309	Clayton	1064
Brandt	0136, 0314, 0362, 0587, 0652, 0741	CMS	0243
Brinkmann	0445, 0513, 0695	CMS Hightec	0244
Brion Vega	0389	Colortyme	0087, 0205
Brionvega	0114, 0389	Condor	0036, 0274, 0291, 0309, 0347, 0397, 0438, 0445
Britannia	0243, 0244	Conic	0205
Brockwood	0205	Conrac	0835
Broksonic	0204	Conrowa	0036, 0291, 0439, 1197
Brother	0291	Contec	0036, 0063, 0184, 0243
Bruns	0114	Continental Edison	0136, 0314, 0514
BTC	0245	Cosmel	0364
Bush	0036, 0063, 0190, 0235, 0244, 0245, 0262, 0291, 0309, 0362, 0382, 0388, 0390, 0398, 0401, 0514, 0583, 0608, 0641, 0644, 0688, 0695, 0741, 1064, 1927	Craig	0309
Caihong	0036	Crosley	0114, 0274, 0397
Canton	0245	Crown	0036, 0120, 0235, 0366, 0397, 0439, 0445, 0448, 0513, 0514, 0606, 0633, 0741, 0742, 1064
Capehart	0063, 0205	CS Electronics	0243, 0245, 0274
Carad	0637, 0695, 1064	CTC	0274
Carena	0482	Curtis Mathes	0062, 0071, 0087, 0120, 0193, 0205, 0478
Carrefour	0063, 0097	Cybertron	0245
Carver	0197	D-Vision	0583
Cascade	0036	Daewoo	0036, 0063, 0135, 0136, 0197, 0205, 0244, 0245, 0291, 0401, 0478, 0526, 0583, 0661, 0688, 0892, 0907, 1782, 1783, 1936
Cathay	0245	Dainichi	0243, 0245
CCE	0244	Dansai	0036, 0062, 0063, 0235, 0243
Centrum	1064	Dansette	0439
Century	0114, 0265, 0274	Dantax	0741, 0742
CGE	0274, 0397, 0445	Datsura	0235
Changcheng	0036, 0291, 0401, 0439, 0688	Dawa	0036
Changfei	0036, 0401	Dayton	0036
Changfeng	0291, 0439	Daytron	0063, 0205, 0401
Changhai	0036	Dayu	0401, 0688
Changhong	0036, 0291, 0535	De Graaf	0235, 0390, 0575
Chengdu	0036	Decca	0099, 0244, 0543, 0648
Ching Tai	0036	Degraff	0190, 0235
Chun Yun	0036	Deitron	0401
Chunfeng	0036, 0291	Dell	1481
Chung Hsin	0063, 0135	Denko	0291
Chungfeng	0439		
Chunsun	0036		



Denver	0614	Europhon	0129, 0136, 0244, 0543
DER	0220	Evolution	1783
Desmet	0036, 0114, 0347	Expert	0233
Diamond	0036, 0243, 0291, 0398, 0733	Exquisit	0274
Digiline	0132, 0695	Feilang	0036
Digitor	1751	Feilu	0036
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Sytong	0243	Thomson	0136, 0314, 0362, 0587, 0652
T+A	0474	Thorn	0062, 0063, 0099, 0100, 0131, 0136, 0190, 0220, 0265, 0291, 0362, 0388, 0526, 0539, 0562
Tacico	0036, 0205	Thorn-Ferguson	0100, 0220, 0265, 0526
Tai Yi	0036	Tiane	0120
Taishan	0036, 0401	TMK	0204, 0205
Tandberg	0394	TML	1783
Tandy	0099, 0120, 0190, 0244, 0245, 0274	Tobishi	0245
Tashiko	0063, 0190, 0243, 0244, 0286, 0390, 0677	Tobo	0036, 0291, 0439
Tatung	0036, 0038, 0063, 0087, 0099, 0244, 0302, 0543, 0648, 0656, 1783	Tokai	0036, 0190, 0364, 0401, 0695, 1064
TCL	0439, 0733, 1564	Tokaido	1064
TCM	0741, 0835	Tokyo	0062
Teac	0036, 0197, 0205, 0244, 0291, 0309, 0439, 0445, 0482, 0539, 0571, 0695, 0733, 0741, 0782, 1064, 1464, 1782	Tomashi	0245, 0309
Tec	0036, 0190, 0244, 0274, 0286, 0364	Tongguang	0291, 0439
Tech Line	0695, 1190, 1464	Tongtel	0614
Techica	0245		



Topline	0695	Viewsonic	0751, 1782
Toshiba	0036, 0038, 0062, 0063, 0072, 0087, 0097, 0120, 0129, 0136, 0193, 0222, 0244, 0291, 0439, 0450, 0535, 0645, 0671, 0677, 0741, 0745, 1190, 1535, 1731	Viking	0087
		Visio	1782, 1783
		Vision	0244, 0291, 0347
		Vistar	0233
		Vizio	1783
		Voxson	0114, 0190, 0205, 0390, 0445
Towada	0244	Waltham	0136, 0190, 0244, 0383, 0445, 0470, 0695, 1064
Toyoda	0036, 0291, 0398	Wards	0062, 0087, 0120, 0193, 0205, 0222
Toyomenka	0205	Warumaia	0401, 0688
Trakton	0244	Watson	0036, 0245, 0347, 0421, 0606, 0695, 1064, 1464
Trans Continens	0244, 0695, 1064	Watt Radio	0129, 0243, 0571
TRANS-continents	0648, 0892	Wega	0063, 0114
Transonic	0036, 0291, 0445, 0482, 0539, 0614	Weipai	0036
		Welltech	0741
Triad	0245, 0583	Weltblick	0244, 0347
Trical	0184	Welton	0205
Trident	0543	Westinghouse	0478, 0917
Tristar	0220, 0245	Wharfedale	0583
Triumph	0204, 0373, 0543, 0583	White Westinghouse	0243, 0347, 0364, 0478, 1936
Tsoschi	0309	Windsor	1064
Tuntex	0036	Windstar	0309, 0364
TVTEXT 95	0583	Windy Sam	0583
Uher	0233, 0347, 0401, 0445, 0507, 0513	Wintel	0741
		World	0478
Ultra	0099	World-of-Vision	0892, 0907, 0917
Ultravox	0114, 0129, 0243, 0274	Worldview	0482
Unic Line	0482	Xenius	0661, 0688
United	0741, 0742, 1064, 1943	Xiahua	0036, 0291, 0439
Universum	0036, 0038, 0063, 0097, 0131, 0132, 0184, 0197, 0204, 0244, 0274, 0291, 0317, 0373, 0388, 0389, 0397, 0438, 0445, 0448, 0500, 0507, 0519, 0539, 0562, 0571, 0645, 0658, 0695, 1064, 1190, 1464	Xianghai	0036
		Xiangyang	0291, 0439
		Xiangyu	0036
		Xihu	0291, 0439
Univox	0114, 0190, 0364	Xinanghai	0439
V	1782, 1783	Xingfu	0036
V2max	0892	Xinghai	0291
V7 Videoseven	0907, 1782	Yamaha	0677, 1603
Vestel	0244, 0583, 0695, 1064, 1190	Yamishi	0244, 0309, 0482
		Yingge	0036
Victor	0063, 0677, 0680	Yoko	0036, 0243, 0244, 0245, 0274, 0291, 0366, 0448
Videocon	0535	Yonggu	0036
Videologic	0243, 0245	Yorx	0072
Videologique	0245	Yousida	0036
Videomac	0036	Yuhang	0036
Videosat	0274	Zanela	0265
Videotechnic	0244, 0347	Zanussi	0190, 0233, 0286, 0291, 0390
Videoton	0383		
Vidtech	0063, 0205		

Zenith	0120, 0205, 0839, 1936
Zenor	0366
ZhuHai	0036, 0401

**##### Setup Code For All VCRs (V)**  
**#####**

A-Mark	0027, 0064, 0267, 0305
Accent	0099
Admiral	0047, 0074, 0075, 0131
Adventura	0027, 0064, 0267
Adyson	0099
Aiko	0305
Aim	0047, 0305, 0375, 0669
Aiwa	0027, 0059, 0064, 0334, 0375, 0379, 0769, 1164
Akai	0047, 0064, 0068, 0133, 0267, 0342, 0375, 0379, 0669
Akiba	0099
Akura	0099
Alba	0027, 0047, 0099, 0108, 0305, 0342, 0375, 0379
Allegro	1164
Allstar	0108
Ambassador	0047
America Action	0305
American High	0108
Amstrad	0027, 0099, 0305
Anam	0064, 0253, 0267, 0305, 0507
Anam National	0253, 1589
Anitech	0099
Ansonic	0027
Aristona	0108, 0173
ASA	0064, 0108
Asha	0267
Astra	0267
Asuka	0064, 0065
Audiosonic	0305
Audioton	0047
Audiovox	0064, 0065, 0305, 0808
Avis	0027, 0099
AVP	0027, 0379
Awa	0064, 0070, 0305, 0669
Baird	0027, 0068, 0131, 0133
Bang & Olufsen	0526
Basic Line	0047, 0099, 0131, 0305
Beaumarck	0267
Beko	0131
Bell & Howell	0027, 0075, 0131
Bell and Howell	0027, 0075, 0131

Bestar	0305
Black Diamond	0669
Black Panther	0305
Blaupunkt	0061, 0108, 0253
Blue Sky	0064, 0099, 0305, 0375, 0379, 0507, 0669, 1164
Bondstec	0047, 0099
Brandt	0068, 0347, 0348
Brandt Electronique	0068
Brinkmann	0375
Broksonic	0375
Bush	0027, 0099, 0108, 0305, 0342, 0375, 0379, 0669, 0769
Calix	0064
Candle	0064, 0065
Canon	0061
Capehart	0047
Carrefour	0072
Carrera	0267
Carver	0108, 0173
Casio	0027
Cathay	0305
Catron	0047
CCE	0099, 0305
Centrum	0620
CGE	0027
Changhong	0075, 0108
Cimline	0099
Cineral	0305
CineVision	1164
Citizen	0027, 0064, 0267, 0305
Classic	0064
Clatronic	0027, 0047, 0099
Colortyme	0072, 0305
Colt	0027, 0099
Combitech	0379
Condor	0047, 0305
Craig	0064, 0074, 0099, 0267
Criterion	0027, 0099
Crosley	0027, 0108
Crown	0047, 0064, 0099, 0305, 0507
Curtis Mathes	0027, 0068, 0267, 0305, 0459
Cybernex	0267
Cyrus	0108
Daewoo	0047, 0064, 0072, 0131, 0305, 0379, 0664, 0669, 0871, 1164
Dansai	0099, 0305
Dantax	0379
Daytron	0047, 0064, 0305

De Graaf	0069, 0075, 0108, 0131, 0193	GE	0027, 0075, 0253, 0267, 0347
Decca	0027, 0094, 0108, 0379	GEC	0108
Degraff	0069, 0075, 0108, 0131, 0173	General	0047, 0072
Deitron	0305	General Technic	0375
Denko	0099	Genexxa	0027, 0064, 0131, 0305
Denon	0069, 0108	Go Video	0267, 0459, 0647, 1164
Derwent	0068, 0348	GoldHand	0099
Diamant	0064	GoldStar	0027, 0064, 0065, 0253, 0305, 0507, 1164
Diamond	0375	Goodmans	0027, 0047, 0064, 0099, 0108, 0305, 0375, 0379, 0664, 0669, 0769
Digitor	0669	GPX	0064
DSE	0669	Gradiente	0027
Dual	0027, 0068, 0108, 0305, 0375	Graetz	0068, 0131, 0267
Dumont	0027, 0108, 0131	Granada	0027, 0064, 0069, 0075, 0108, 0131, 0253, 0267
Durabrand	0065, 0620, 0669	Grandin	0027, 0064, 0099, 0305, 0769
Dynatech	0027, 0267	Grundig	0061, 0099, 0108, 0253, 0347, 0374, 0375, 0376, 0379, 0769
Elbe	0065, 0305	Haaz	0375
Elcatech	0099	Hanimex	0379
Electrohome	0027, 0064, 0070, 0267	Hanseatic	0064, 0065, 0108
Electrophonic	0064	Hantor	0047
Elin	0267	Haojie	0267
Elsay	0099	Harley Davidson	0027
Elta	0099, 0305	Harman/Kardon	0065, 0108, 0173
Emerex	0059	Harvard	0099
Emerson	0027, 0064, 0070, 0072, 0099, 0267, 0305, 0375, 0620, 0664	Harwood	0099
ESA	1164	HCM	0099
ESC	0047, 0267, 0305	HI-Q	0027, 0074
Europhon	0047	Hinari	0068, 0099, 0267, 0305, 0379
Fast	0924	Hisawa	0379
Fenner	0047	Hischito	0072
Ferguson	0027, 0068, 0193, 0305, 0347, 0348	Hitachi	0027, 0064, 0068, 0069, 0072, 0108, 0193, 0267, 0620
Fidelity	0027, 0099, 0267, 0379, 0459	Hoeher	0305, 0669
Finlandia	0027, 0064, 0069, 0070, 0075, 0108, 0131, 0133, 0193, 0253, 0411	Hornyphon	0108
Finlux	0027, 0069, 0108, 0131	Hughes Network Systems	0069
Firstline	0064, 0070, 0072, 0099, 0305, 0375, 0507, 1164	Hypson	0027, 0064, 0099, 0305, 0507
Fisher	0027, 0047, 0074, 0131	Hytek	0027, 0074, 0099
Flint	0375	Imperial	0027
Frontech	0047, 0099	Ingersol	0267
Fujitsu	0027, 0064, 0072	Inno Hit	0099
Fujitsu General	0064	Interbuy	0099
Funai	0027, 0064, 0099, 0305, 0620	Interfunk	0108, 0131
Galaxis	0305	Internal	0305, 0664
Garrard	0027		

International	0064, 0305, 0669	Magnavox	0027, 0064, 0075, 0108, 0253, 0267, 0620, 0669
Intervision	0027, 0305	Magnin	0267
Irradio	0099, 0108	Magnum	0669
ITT	0068, 0131, 0133, 0267, 0411	Manesth	0072, 0099, 0108
ITT Nokia	0068, 0131, 0133, 0267, 0579	Marantz	0065, 0108, 0173
ITV	0047, 0064, 0305	Mark	0027, 0305
Janeil	0267	Marta	0064
JBL	0305	Mastec	0669
Jensen	0068, 0094	Master's	0305
JMB	0375, 0379, 0769	Matsui	0064, 0267, 0305, 0375, 0376, 0379, 0769
Joyce	0027	Matsushita	0108, 0253
JVC	0068, 0072, 0094, 0108, 0411	Medion	0375, 0379, 0669
Kaisui	0099	Memorex	0027, 0064, 0074, 0075, 0099, 0131, 0267, 0305, 0334, 0375, 0596
Kambrook	0064	Memphis	0099
Karcher	0108, 0305, 0669	Mercury	0047
KEC	0064, 0305	Metronic	0108
Kendo	0099, 0133, 0305, 0342, 0375, 0669	Metz	0064, 0108, 0253, 0374, 0863, 0864, 1589
Kenwood	0065, 0068, 0094, 0411	MGA	0070, 0267
KIC	0027	MGN Technology	0267
Kimari	0074	Micormay	0375
Kioto	0375	Midland	0267
KLH	0099	Minolta	0069
Kneissel	0064, 0305, 0375, 0379	Mitsubishi	0027, 0068, 0069, 0070, 0074, 0075, 0094, 0108, 0507, 0669
Kodak	0064	Motorola	0075
Kolin	0068, 0070	Movie Walker	0099
Korpel	0099	MTC	0027, 0099, 0267
KTV	0027	MTX	0027
Kuba Electronic	0074	Multitec	0064
Kyoto	0099	Multitech	0027, 0047, 0099
Lenco	0305	Murphy	0027
Leyco	0099	Myryad	0108
LG	0064, 0065, 0069, 0072, 0267, 0507, 1164	NAD	0131, 0267
Lifetec	0375	Naiko	0375, 0669
Lloyd's	0027	National	0253
Lloyds	0027, 0065, 0099, 0267	NEC	0064, 0065, 0068, 0075, 0094, 0131, 0305, 1164
Loewe	0064, 0108, 1589	Neckermann	0108
Logik	0027, 0099, 0133, 0267	Nesco	0099
Lumatron	0305, 0620, 1164	Newave	0064
Lunatron	1164	Newtech	0099
Lux May	0099	Nikkai	0047, 0099, 0305
Luxor	0070, 0074, 0075, 0131, 0133, 0342	Nikko	0064, 0305
LXI	0027, 0064, 0069, 0094	Nikkodo	0064, 0305
M Electronic	0027, 0064, 0065, 0267	Nikon	0061
Magnadyne	0108	Nishi	0267
Magnasonic	0027, 0047, 0064, 0099, 0267, 0305, 0620	Noblex	0267

Nokia	0068, 0069, 0075, 0108, 0131, 0133, 0267, 0305, 0342, 0579	Quasar	0253, 0305
Nordmende	0068, 0094, 0347, 0348, 0411, 0521	Quelle	0108
Oceanic	0027, 0068, 0075, 0108, 0131, 0133	Questar	0047
Okano	0099, 0305, 0342, 0375	Radialva	0064, 0075
Olympus	0131, 0253	Radiola	0108
Onimax	0669	Radionette	0064, 1164
Optimus	0027, 0064, 0074, 0075, 0131, 0267, 0459, 0620	RadioShack	0027, 0064, 0074, 0075, 0131, 0267
Orbit	0099	Radix	0064
Orion	0027, 0131, 0267, 0305, 0375, 0376, 0379, 0769	Randex	0064
Osaki	0027, 0064, 0099	Rank Arena	0068
Osume	0099	RCA	0027, 0069, 0072, 0075, 0133, 0193, 0253, 0267, 0347, 0749
Otto Versand	0108	Realistic	0027, 0064, 0074, 0075, 0131, 0267, 0305
Pace	0379	Reoc	0375
Pacific	0027, 0375, 0669, 0769	Rex	0068, 0411
Palladium	0064, 0068, 0099, 0375	RFT	0099
Palsonic	0027, 0099, 0669	Ricoh	0061
Panasonic	0027, 0047, 0253, 0863, 0864, 1589	Rio	1164
Pathe Cinema	0070	Roadstar	0064, 0065, 0099, 0108, 0267, 0305, 0769
Pathe Marconi	0068	Royal	0099
Penney	0027, 0064, 0065, 0069, 0074, 0094, 0108, 0267	Saba	0068, 0305, 0347, 0348, 0411, 0521
Pentax	0069	Saisho	0375
Perdio	0027	Salora	0070, 0131, 0133
Philco	0027, 0065, 0099, 0108, 0253	Sampo	0064, 0075
Philips	0027, 0061, 0072, 0075, 0108, 0173, 0253, 0411, 0620, 1296	Samsung	0027, 0065, 0072, 0267, 0459, 0647
Phoenix	0305	Samtron	0267
Phonola	0108	Samurai	0047
Pilot	0064	Sanky	0075
Pioneer	0069, 0094, 0108, 1830	Sansui	0027, 0068, 0094, 0099, 0133, 0267, 0375
Polk Audio	0108, 0173	Sanyo	0027, 0074, 0075, 0094, 0131, 0267, 0375, 1164
Portland	0047, 0305, 0664	Saville	0267, 0305, 0379
Prinz	0027	SBR	0108, 0173
Profitronic	0108, 0267	Schaub Lorenz	0027, 0068, 0131, 0133, 0342, 0375
Proline	0027, 0305, 0347, 0669	Schneider	0027, 0064, 0069, 0099, 0108, 0173, 0267, 0305, 0375, 0379, 0669, 0924, 1164
Proscopro	0871	Scott	0070, 0072, 0620
Prosonic	0305	Sears	0027, 0061, 0064, 0068, 0069, 0070, 0072, 0074, 0075, 0094, 0099, 0131
Protec	0027, 0099	Seaway	0305
Protech	0099, 0108	SEG	0099, 0108, 0267, 0305, 0664, 0669
ProVision	0305		
Pulsar	0267, 0305		
Pulser	0267		
Pye	0027, 0108		
Quartz	0074		

SEI	0108	Teac	0027, 0064, 0068, 0094, 0099, 0305, 0334, 0620, 0664, 0669, 0808, 0871
Seleco	0047, 0064, 0068, 0411		
Semp	0072		
Sentra	0047, 0099, 0305	Tec	0047, 0099
Sharp	0027, 0059, 0064, 0074, 0075, 0596	Tech Line	0099
		Technics	0027, 0064, 0108, 0253
Shinco	0027	Teco	0064, 0065, 0068, 0075
Shintom	0027, 0099, 0131, 0267	Tedelex	0064, 0375, 0669
Shivaki	0064	Teknika	0027, 0064
Shogun	0267	Teleavia	0068
Siemens	0064, 0108, 0131, 0173, 0347, 0374	Telecorder	0267
		Telefunken	0068, 0305, 0347, 0348, 0411, 0521, 0620, 0669
Siera	0108		
Signature 2000	0027, 0064, 0075	Telerent	0253
Silva	0064	Telestar	0064
Silver	0305	Teletech	0027, 0099, 0305
SilverCrest	0669	Tempest	0047
Singer	0064, 0072, 0099, 0267, 0375	Tenosal	0099
		Tensai	0027, 0099, 0305
Sinudyne	0108, 0379	Tevion	0375, 0669
Smaragd	0375	Textet	0047, 0305
Solavox	0047, 0061	Thomas	0027
Sonic Blue	1164	Thomson	0068, 0094, 0305, 0347, 0348, 0411, 0521, 0749
Sonneclair	0099		
Sontec	0064	Thorn	0064, 0068, 0131, 0347
Sonwa	0669	Tisonic	0305
Sony	0027, 0059, 0061, 0074, 0075, 0094, 0133, 0253, 1059	Tivo	0749
		TMK	0027, 0267
Soundmaster	0027	TNIX	0064
Soundwave	0064, 0375	Tocom	0267
Ssangyong	0099	Tokai	0064, 0099
Stern	0305	Topline	0375
STS	0069	Toshiba	0027, 0068, 0069, 0070, 0072, 0094, 0108, 0267, 0379, 0411, 0459, 0769
Sunkai	0305, 0375		
Sunstar	0027	Tosonic	0305
Suntronic	0027	Totevision	0064, 0267
Sunwood	0099	Towada	0099
Supra	0064, 0305, 0375	Toyoda	0305
Susumu	0064	Tradex	0108
SV2000	0027, 0099	Trakton	0047
SVA	0027	Triad	0305
Sylvania	0027, 0070, 0108, 0620	Trix	0064
Symphonic	0027, 0267, 0620	Uher	0267
Tandberg	0305	Ultra	0047, 0072, 0305
Tandy	0027, 0131	Ultravox	0305
Tashiko	0027, 0064, 0075, 0108, 0267	Unitech	0267
		United	0375, 0769
Tatung	0027, 0068, 0070, 0072, 0075, 0094, 0108, 0375, 0379	Universum	0027, 0064, 0108, 0131, 0133, 0267, 0375, 1164
Tchibo	0375	Vector	0072
TCM	0375	Vector Research	0065
		Vextra	0099

Victor	0068, 0094, 0411	Albatros	1056
Video Concepts	0072	Alco	0817
Video Pro	0047	Alize	1178
Video Technic	0027	All-Tel	0739
Videomagic	0064	Allegro	0896
VideoPro	0047	Altacom	1251
Videosonic	0027, 0099, 0267	Amitech	0797, 0811, 0877
Villain	0027	Amoi	0879
Wards	0027, 0064, 0065, 0068, 0069, 0070, 0072, 0074, 0075, 0099, 0108, 0267	Amoisonic	0638, 0791, 0862
Watson	0108, 0379, 0669	Amphion Media Works	0899, 1272
Wharfedale	0620, 0669	Amstrad	0740, 1178
White Westinghouse	0027, 0099, 0305, 0664	AMW	0899, 1272
World	0375	Anam	1940
XR-1000	0027, 0099	Ansonic	0786, 0858
XR1000	0027, 0099, 0267	Apex	0560, 0699, 0744, 1083, 1127, 1942
Yamaha	0065, 0068	Apex Digital	0699, 0744, 1031, 1083, 1127, 1942
Yamishi	0099, 0305	Arcam	0759
Yokan	0099	Aria	0920
Yoko	0047, 0064, 0267	Arianet	0845, 0920
Yoshita	0099	Ariston	0700
Zenith	0027, 0061, 0064, 0068, 0305, 0664, 1164	Ariston Acoustics	0700
ZX	0375, 0379	Aristona	0673
		ASCOMTEC	1950
		Asono	1251
		Atacom	1251
		ATD	0745
		Audiologic	1828
		Audiosonic	0717, 1292, 1950
		Audiovox	0744, 0817
		Audioworld	0817
		Auvio	0870, 1117
		Awa	0757, 0899
		Axion	0757
		Bang & Olufsen	1052
		Baseline	2021
		Basic Line	0740, 2021
		Baze	0925
		BBK	0889, 1111, 1251
		Beko	1180
		Bellagio	1031, 1272
		Belson	1130, 1950
		BenQ	1263
		Binatone	1950
		Black Diamond	0740, 0793, 0860
		Blaupunkt	0744
		Blue Parade	0598
		Blue Sky	0678, 0699, 0722, 0726, 0740, 0805, 0817, 0870
		Boghe	1031, 1248
		Boman	0810, 0925
		Bosston	0804

### ##### Setup Code For All Digital Video Disks (Y) #####

3D LAB	0530, 0566
4Kus	1185
A-Trend	0741
Aboss	1125
Acoustic Solutions	0740, 0757, 1255
AEG	0797, 0815, 0817
AFK	1078, 1179, 1225
Afreey	0725
Aim	0699, 0726, 0805, 0860
Airis	0699, 1032, 1251, 1277
Aiwa	0560, 0668, 1163, 1270
Akai	0638, 0717, 0722, 0732, 0743, 0793, 0797, 0806, 0815, 0817, 0925, 1110, 1142, 1226, 1260, 1276, 1722
AKI	0880, 1032
Akira	0726
Akura	0925, 1078, 1167, 1197, 1198, 1260, 2018
Alba	0566, 0699, 0722, 0726, 0740, 0744, 0757, 0810, 1078, 1167, 1722

Brainwave	0797, 1142, 1262	D-Vision	1142
Brandt	0530, 0578, 0678	Daenyx	0899
Britannia	0773	Daewoo	0732, 0741, 0797, 0811, 0859, 0860, 0896, 0897, 0899, 1196, 1933, 1945
Broksonic	0722		
BskyB	2007	Dalton	0813, 1063
Bush	0543, 0545, 0699, 0716, 0717, 0726, 0740, 0744, 0750, 0757, 0760, 0805, 0858, 0860, 0906, 1078, 1167, 1722	Dansai	0774, 0797, 0810, 1142, 1722
Byd:sign	0899	Dantax	0566, 0740, 0750, 0817
C-Tech	1179	Daytek	0899, 1032
California Audio Labs	0517	Dayton	0899
Cambridge Audio	1111, 1136	Daytron	1067
Cambridge Soundworks	0717, 0723	DCE	0858
Cat	0726, 0813, 0814, 0816, 1042	DEC	0805, 0845
CCE	0757, 1944	Decca	0797, 1142
cello	2018	Denon	0517, 0661, 1661
Centrex	0699, 1031, 1942	Denver	0726, 0805, 0815, 0925, 1083, 1110, 1131, 1950
Centrum	0740, 0806, 0816, 1032, 1254, 1950, 2021	Desay	0870, 1117
CGV	0760, 0778, 1142	Diamond	0678, 0778, 0795, 0817, 1183
Changhong	0654	Digatron	1036
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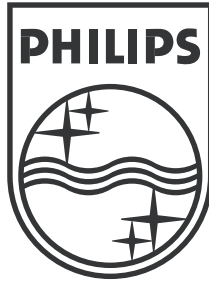
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