

Digital Terrestrial Decoder

User Manual



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WARRANTY

The manufacturer warrants that this decoder will be free from defects in design, materials, and workmanship for a period of 12 months from the date of sale to the customer.

In the event of a breakdown, please contact your service representative or dealer. An authorized service center or repair agent will make a repair. An unauthorized repair or attempt to repair shall automatically void this warranty.

PLEASE STAPLE YOUR RECEIPT HERE

Safety First

This digital decoder has been manufactured to meet international safety standards. However, safety precautions must be followed to ensure the safe and reliable operation of the decoder. Please note the following guidelines.

To Avoid the Risk of an Electric Shock



This decoder operates with a power supply in the range 100 to 240V AC, 50/60 Hz. Use a standard AC wall outlet, a DC power source cannot be used. Remember that contact with 110-240 Volts AC power supply can be lethal.



Ensure that all electrical connections are properly made **before** connecting the decoder to the power supply. Always unplug the decoder before connecting or disconnecting any cables.



Whenever you connect the decoder to the power supply, always connect the power lead to the power input connector on the back panel of the decoder **before** you connect the other end of the lead to the wall socket outlet.



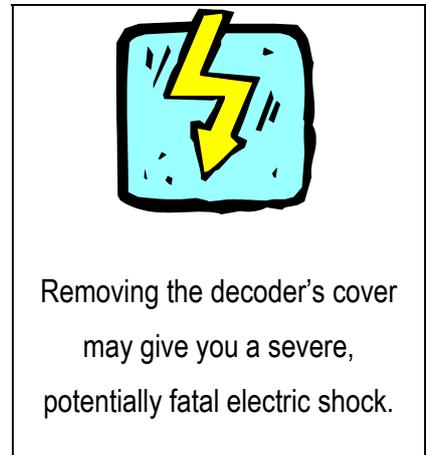
Whenever you disconnect the decoder from the power supply, always remove the power lead from the wall socket-outlet **before** you remove the other end of the lead from the power input connector on the back panel of the decoder.



Never attempt to repair or reconstruct this decoder. A serious electric shock may occur if this decoder is repaired, disassembled or reconstructed by an unauthorized person.



Be extremely careful if water is spilled on the unit. Immediately disconnect power cord plug.



DO

- ✓ If anything falls into the cabinet, unplug the decoder and have it checked by a qualified technician.
- ✓ Allow adequate air circulation to prevent internal heat build-up. Do not place the unit next to a radiator and make sure that the air vents at the back panel are not covered.

DO NOT

- × ... expose the decoder to extreme temperature, direct sunlight or high humidity.
- × ... place heavy objects (such as a video recorder) on top of the decoder.
- × ... place the decoder on fabric furnishings, carpets or other flammable materials.

Maintenance

If you want to clean your box, first disconnect it from the power supply. To clean the box, use a soft, dry cloth. For very dirty surfaces, dip a soft cloth in a weak soap-and-water solution and wring well. After cleaning, wipe with a soft, dry cloth. Never use alcohol, paint thinner, or a chemically treated cloth to clean this unit. Such chemicals may damage the unit's finish.

Contents

1	INTRODUCTION	1
2	YOUR DECODER	1
	Unpacking Your Digital Decoder.....	1
	Front Panel	2
	Back Panel.....	3
	Smart Card	3
	Remote Control	4
3	QUICK SETUP	7
4	HOW TO SET UP YOUR DECODER	8
	Welcome Screen.....	8
	Language	8
	Channel Search.....	9
5	USING YOUR DECODER	10
	Turning Your Decoder On / Off.....	10
	Basic Rule “Point & Select”	10
	Channel Banner	10
	Channel List	13
	Options Menu	14
	Extended Information About Programs.....	15
	Locked Channels	15
	Running Interactive Applications.....	16
6	MAIN MENU	17
	Channel Manager	19
	Timer Manager	21
	For Parents	22
	Applications	24
	Your Preferences	25
	Installation.....	26
	Help	31
7	BEFORE REQUESTING SERVICE	32
	APPENDIX A TECHNICAL DATA	34
	APPENDIX B GLOSSARY OF TERMS	35

1 Introduction

About This Manual

This User Manual describes the overall functionality of your decoder (set-top box). You will find here all the information you need to get started. First, make sure that your decoder is properly installed. Next, pick up your remote control and follow the instructions in this manual. Once you have learnt how to operate the remote control and familiarized yourself with the main features of your decoder, you will need this manual only for reference.

About Your Decoder (Set -Top Box)

Using your digital decoder makes viewing easier, with much more information and guidance, and much more control over what you watch than any previous TV system.

Your decoder will allow you to do the following:

- see what programs are on all accessible channels
- prevent your children from viewing unsuitable programs
- display additional information pertaining to a selected program
- download a selection of games or interactive services
- sort channels lists
- and many others



Please be aware that from time to time your decoder's software may be automatically updated, and this new software can change the functionality of your decoder.



Please note that if you want to have always the most up-to-date software version and updated channels list on your decoder, it is advised to switch your decoder to standby mode if you are not using it.

2 Your Decoder

Unpacking Your Digital Decoder

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

- Remote control with separately packed batteries
- Power cord and SCART cable
- Telephone modem cable
- User Manual



If any parts are missing, please contact your dealer.

Front Panel

Your decoder's front panel contains 7 buttons, 5 LED indicators and a smart card slot.



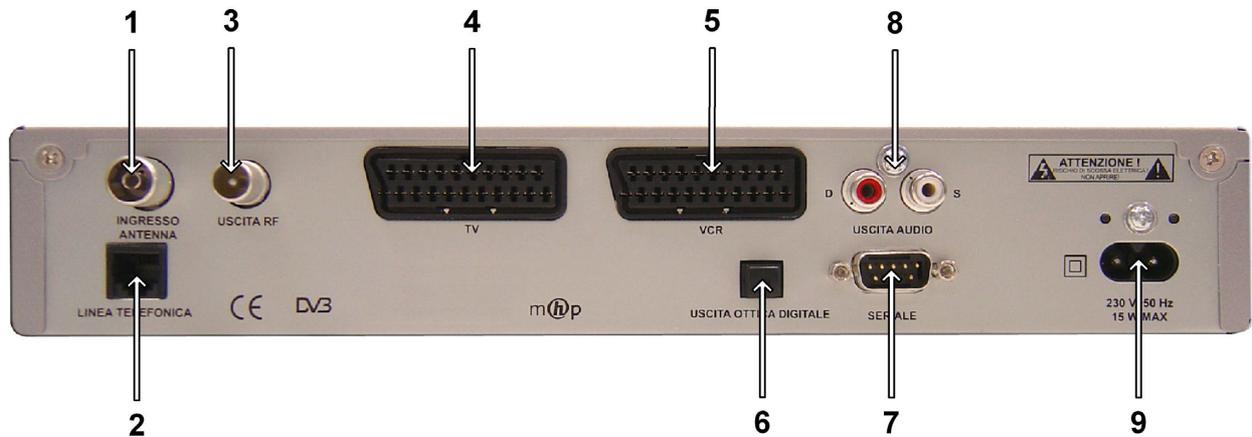
Front Panel Buttons

Button	Functionality
	Pressing this button switches the box between the standby mode and the operate mode. When the box is in the operate mode, the standby LED lights green.
	This button confirms the selection made on the screen.
	This button enters or exits the Menu system.
	This button turns the sound off/on.
	This button switches channels up or down in normal viewing mode. In the Menu system, moves the highlight left or right.
	This button turns the volume up/down. In the Menu system moves the highlight down/up.

Front Panel Indicators

LED Indicator	Purpose
	When the box is in the standby mode, the Standby indicator is red. Once the box is switched from the standby to the operate mode, this indicator turns green.
	This LED turns red when one of the locked channels is tuned to. This icon is lit red even if the channel is temporarily unlocked.
	When MHP application is being downloaded this LED blinks; when there is an MHP application already launched on the currently tuned channel this LED emits a steady light.
	This LED turns red when the recording is in progress.
	This LED turns green when the tuner is locked. When there is no signal fed to the decoder, this LED is switched off.
	Also, when the modem connection is active, this LED blinks once a second. Once the modem connection is terminated, the blinking stops.

Back Panel



- | | |
|----------------------------|-------------------------------------|
| 1 – Aerial IN | 6 – AC3 Optical (Digital Audio) |
| 2 – RJ11 jack (modem) | 7 – Data output RS-232 |
| 3 – Output to TV | 8 – Audio outputs for a HiFi system |
| 4 – SCART connector to TV | 9 – Power plug 220V ~50Hz |
| 5 – SCART connector to VCR | |

Smart Card

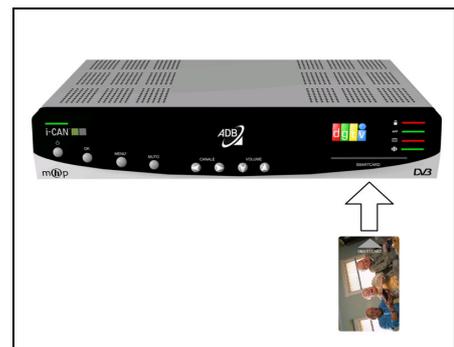
Your Smart Card

Smart Card allows you to view scrambled TV and Radio channels. Gently push the card into the slot. Its chip should face downwards and the symbol of an arrow should face inwards. Without the smart card, you can view all free-to-air channels. More information about the card can be found in the **Decoder Status** submenu.

Looking After Your Smart Card

The card is fragile, so keep in mind the following precautions:

- Do not bend or twist the card
- Do not expose the card to heat or sunlight
- After inserting the card, leave it in the slot permanently
- Clean only with a soft dry tissue



Inserting Smart Card

Remote Control

When you operate your decoder using the remote control, point it at the infrared window located on the front panel. Note that when the remote control is used, its LED flashes red.



Button	Action
	Switches your decoder between the standby mode and the operate mode.
	Brings up and closes the Applications window.

	Brings up the channel list on the screen. Pressing this button again hides both the Channel List and the Channel Banner . Select the channel you want to tune to then press  .
	Inactive.
	Switches circularly between: viewing mode, Channel Banner, Channel Banner with Extended Info.
	In Channel Banner, switches between the current program information and the next program information. In the menu, select menu items or change parameters with predefined values.
	In Channel Banner, scroll channels info up/down. The box remains tuned to the current channel. In the menu, select menu items or menu options.
	In viewing mode, runs interactive applications (if available). In Channel Banner, tunes to the channel the Channel Banner refers to. In the menu, selects the currently highlighted menu item or confirms your choices made in the menu screens.
	Increases/decreases audio volume.
	Displays/leaves the menu system.
	In viewing mode, or in Channel Banner, tunes to the next/previous channel. In Channel List, menu, or in the Guide, scrolls the channels lists page up/down.
	Mutes the sound. Pressing this button again restores the previously set volume level.
	Brings up the Options menu.
	In viewing mode or in the Channel Banner, toggles between the current and previous program within the same channels list. In the menu system or Program Guide, returns to normal viewing.
	In the Channel Banner, removes the Channel Banner, or Extended Info from the screen. In the menu or in the Program Guide, returns to the previous screen.
	Used in external applications.
	Number buttons allow you to type your choices directly, for example channel numbers or a PIN number.
	Inactive
	Inactive

Replacing Batteries in Your Remote Control

Your remote control is powered by 2 AAA alkaline batteries. To replace batteries, do the following:

- Remove the battery cover from the back of the remote control by pressing down at the upper part of the tab.
- Match the batteries with the (+) and (-) polarity marks inside the battery case.
- Press the battery cover back into place.

While replacing the batteries, please keep in mind the following important guidelines:

- If you intend not to use the remote control for long periods of time, remove the batteries and store them in a dry cool place.
- Do not mix old and new batteries, do not use rechargeable batteries, and never mix various types of batteries.
- Remove and dispose of used batteries immediately.



3 Quick Setup

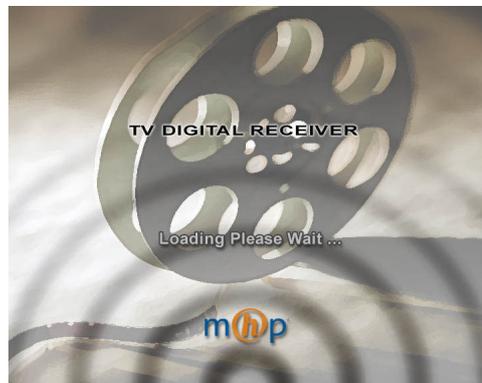
Following is a list of steps required to install and set up your decoder.

1. Connect the TV SCART cable between the decoder and your TV set.
2. Plug the decoder's power supply cord to the mains and that should switch the decoder on.
3. Now you should see the **Welcome** screen on your TV screen.
4. Next, a screen appears that allows you to select the on-screen language. Highlight the desired language by pressing /, and then press .
5. Selecting the language automatically starts the scan.
6. After a few seconds you will be informed about the total number of channels that have been found. Press  to tune to the first available TV channel. You will find a more detailed description of the first-time installation in the sections provided below.

4 How to Set up Your Decoder

Welcome Screen

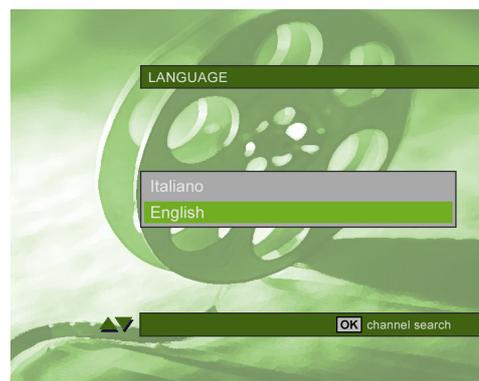
Once your decoder and any other equipment have been connected, plug both the TV set and the decoder to the mains and turn it on. Now you will see the **Welcome** screen on your TV screen. After a few seconds, the **Language** screen appears.



Welcome Screen

Language

The **Language** screen allows you to select the language of any information displayed on the screen. Press  or  to highlight the on-screen language, and then press  to make a selection. Once you select the language, the change is taken into effect immediately.



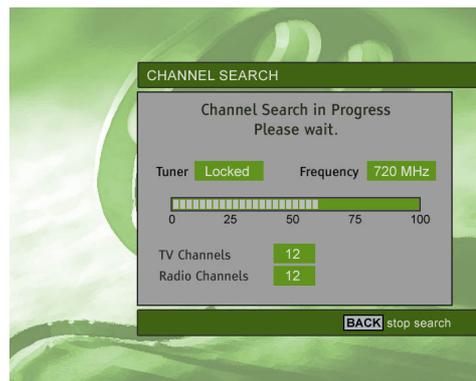
Language

Channel Search

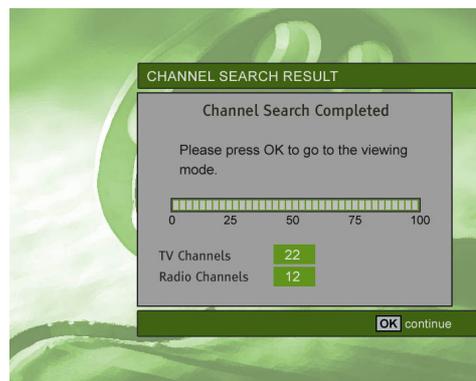
Once you select the language and press **OK**, the channel search starts automatically. Once this procedure has been completed, you will be informed about the total number of channels found.

Then press the **OK** button to tune to the first TV channel.

If the channel searching procedure has not been concluded successfully, a respective error message appears. You can then press the **OK** button to go back to the Language screen or enter the Menu system where you will be able to access Installation and Help submenus. These and other parts of the Menu system are described later in this manual.



Channel Search



Channel Searching Completed

5 Using Your Decoder

Turning Your Decoder On / Off

Switch on the TV set and any other connected equipment. Then switch your decoder on by pressing the  button on the remote control or the **Standby** button on the decoder front panel. When you are not using your decoder, put it into standby by pressing one of these buttons again. The standby mode of operation is indicated by the red light on the front panel. When the decoder comes out of standby, the last channel viewed appears.

Basic Rule “Point & Select”

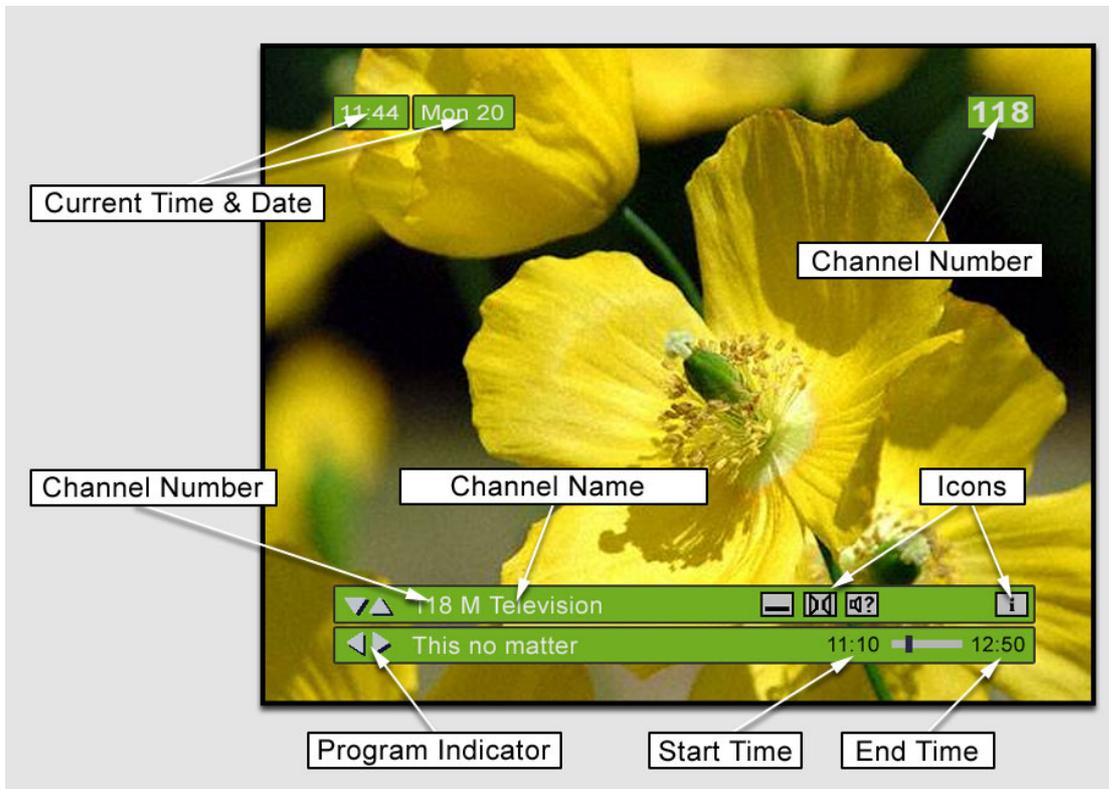
You only need to know one rule to use your decoder. This rule is called “Point and Select”. Once you master this rule, you can use any part of your decoder’s functionality. You “point” by pressing the arrow buttons on the remote control or front panel. Pressing the arrow buttons moves the “on-screen” highlight to different items on the screen. Once you have pointed to an item on the screen, select it by pressing the  button on the remote control or the **OK** button on the front panel.



Channel Banner

Channel Banner appears at the bottom of the screen when you tune your box to a new channel or when you press the  button. It offers you basic information about individual programs, and facilitates surfing through channels and programs. The Channel Banner will disappear automatically after a few seconds, or when you press .

Note that some channel banner information will be available only in case of digital channels.



Channel Banner Icons

-  Alternative audio languages are available for the current program.
-  Channel Banner displays info concerning a locked channel.
-  Extended info about a particular program is available.
-  Informs you that pressing **OK** tunes to the channel that the Channel Banner refers to.
-  Program is broadcast with the surround sound.
-  Informs that the recording reminder has been set for a particular event.
-  Informs that the viewing reminder has been set for a particular event.
-  This symbol informs that the program is parentally locked.
-  This symbol informs that external applications are available on a particular channel.
-  This symbol informs that teletext is broadcast on the currently tuned channel.
-  This symbol informs that the viewer has a choice of subtitles for the current program.

Selecting Programs in the Channel Banner

Channel Banner allows you to display information concerning the current program and the next program broadcast on the selected channel.

- If the information displayed in the Channel Banner concerns the current program, the right arrow symbol  appears to the left of the program name. Pressing the  button displays information about the program that is broadcast next on the same channel.
- If the Channel Banner displays information about the next program, the right arrow symbol  is replaced with the left arrow symbol . Pressing the  button then displays information about the current program on the same channel.



Current Program Info



Next Program Info

Selecting Channels

There are three different ways of changing channels.

- Press / to scroll through the current channels list.

When you press , the Channel Banner displays information concerning the next higher channel. When you press , the Channel Banner displays information concerning the next lower channel. Please note that your decoder remains tuned to the current channel.

If the Channel Banner displays information about the current program that is not broadcast on the currently tuned channel, the  symbol appears. Pressing  tunes to that program.

- When you press , your box tunes to the next higher channel. When you press , your box tunes to the next lower channel.
- You can also select channels by entering their numbers directly. Once you press a number button, the channel number entry box appears in the upper right corner of the screen.



Channel Banner (Tuning to the Channel)



Channel Number Entry Box

Channel List

Your receiver gives you access to TV and Radio Channel List. In order to access the list, press the  button on your remote.

Select the channel by pressing /, or number keys. Each time you highlight a non-current channel, the  icon appears in the Channel Banner. To tune to this channel, press .

The Channel list allows you to work in so-called browsing mode. In this mode, the box remains tuned to the same channel, while you browse through channels and programs.



Channel List

Options Menu

Press the  button to gain access to the Options menu. This menu allows you to change the Audio Language, the Subtitle Language, the Teletext Language or the Display Format for the currently broadcast program. Your new settings take effect immediately and they are remembered until the program ends. When the program ends, the settings revert to their default values.

Audio Language

If available, you can select among different audio languages being broadcast.

Subtitle Language

If available, you can select among different subtitle languages.

If you select OFF, no subtitles will be displayed.

Teletext Language

If available, you can select among different teletext languages.

Display Format

If you have a TV set with a 4:3 picture format, and the transmission is in the 16:9 format (or the other way round), you can change display format for the currently broadcast program. You have a choice between: Letter-box, Pan-Scan, and Full Screen.

If any AC3 languages are available for the current program they are marked by the  symbol.



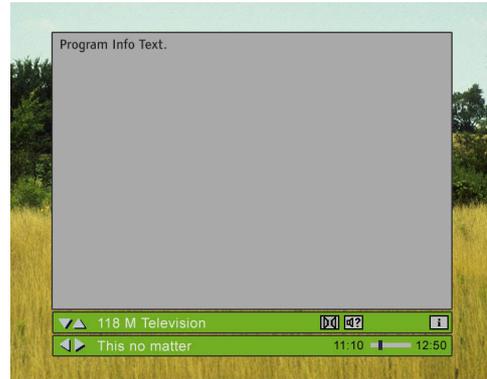
Options Menu



No Options Are Available

Extended Information About Programs

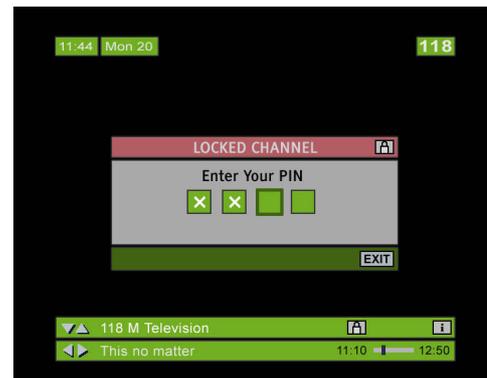
The  icon displayed in the Channel Banner informs you that pressing the  button displays some additional information about the currently selected program. When you press , the Extended Info window appears above the Channel Banner. Press  or  to remove the Extended Info window from the screen.



Extended Info

Locked Channels

You can protect access to entire channels using your PIN code. For more information on how to lock channels see *For Parents* section of this manual. All locked channels are marked by the  sign in the Channel Banner. When you try to tune to a locked channel, the PIN entry box appears. Enter your PIN if you want to unlock the channel, or press  and tune to another channel. When you enter the correct PIN code, all the locked channels remain unlocked until you switch your decoder into standby mode and then into the operation mode again.

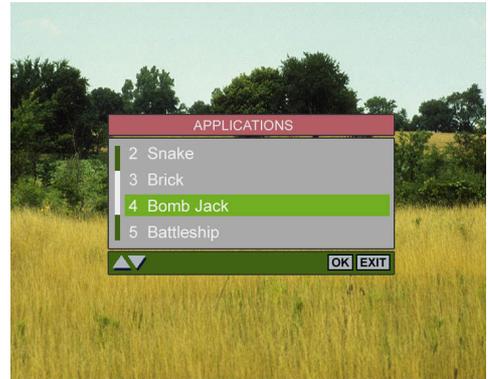


Locked Channel (PIN Code Box)

Running Interactive Applications

If you can see the **APP** icon on in the channel banner, this means that there are interactive applications available on this channel. In order to get access to a list of the applications simply press the **APP** button on your remote. This brings up the Applications window. You can select any available application using **▲**/**▼** buttons and confirm your selection by pressing **OK** button.

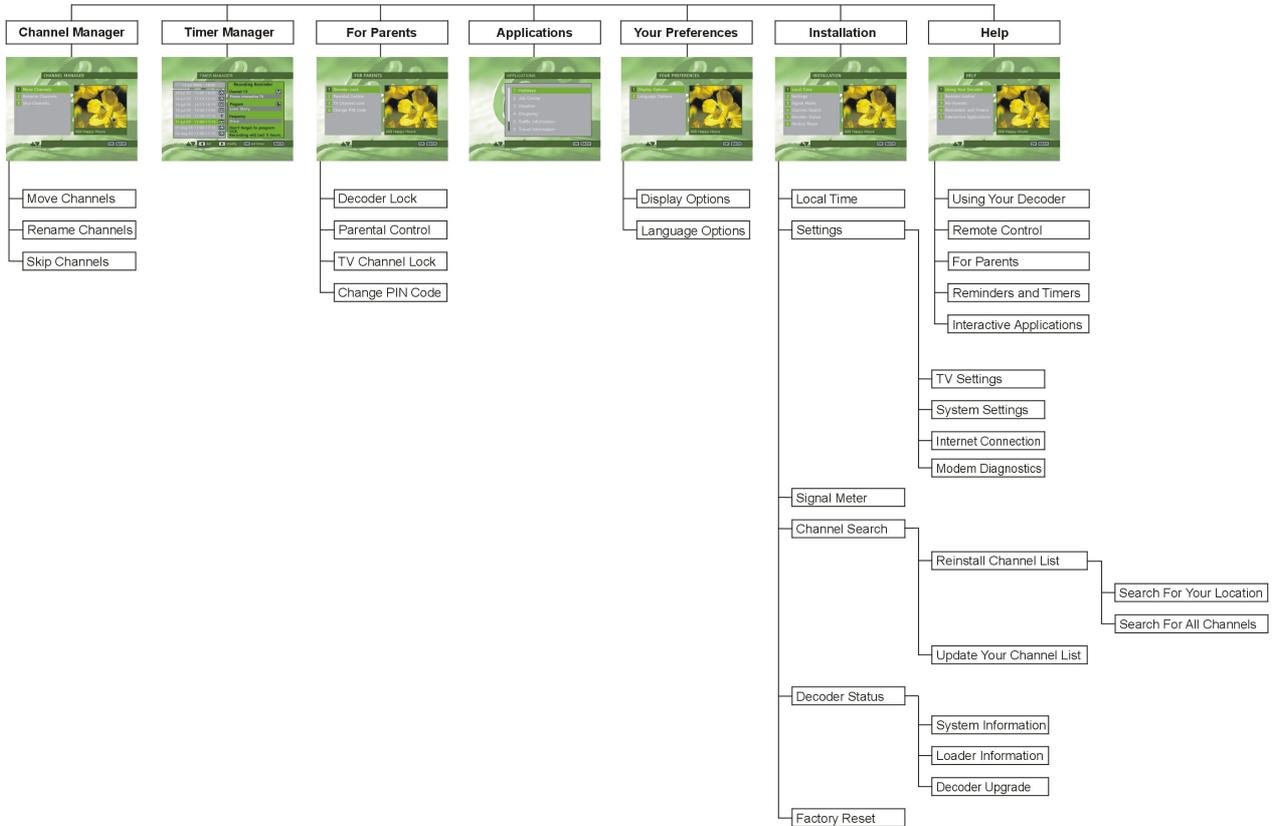
If you want to leave the running application, you can press the **Menu** button or simply change the channel with the **P+**/**P-** buttons. Note, that if the same application is available on the consecutive channel, changing to that channel will not end the application.



Interactive Applications Window

6 Main Menu

Main Menu



Your decoder offers the Menu System allowing you to change the way many of the features of your decoder operate. To gain access to the Menu System, press the **MENU** button. The Main Menu consists of 7 submenus. To evoke one of the submenus, highlight its icon using the arrow buttons and then press **OK**. To return to the Main Menu from one of its submenus, press the **BACK** button. To exit the Menu System immediately, press the **EXIT** button or **MENU** button again.



Main Menu window

Here is a short overview of basic functions performed by individual submenus.

Channel Manager

Allows you to rename, move and skip channels.

Timer Manager

Gives you access to the Recording Timers and Viewing Timers.

For Parents

Allows you to lock/unlock an entire channel, to change the current PIN code, and to define the decoder's lock or parental level.

Applications

Allows you to run one of the available Off-the-Air applications.

Your Preferences

Allows you to define your preferences concerning on-screen display as well as audio and subtitle languages.

Installation

Allows you to configure your system, to set up your modem, to search for existing channels, to check decoder's status, to set up local time, and to restore factory settings of your decoder.

Help

Gives you access to the on-line help information concerning the basic functionality of your decoder.

Channel Manager

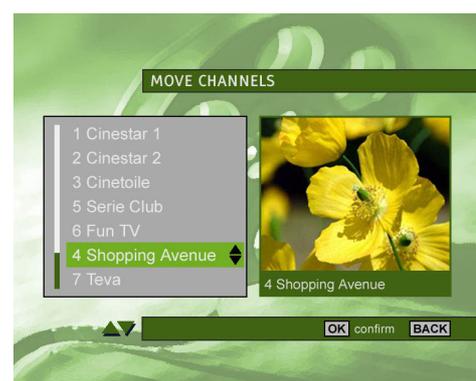
When you select Channel Manager from the Main Menu, you have a choice of three submenus: **Move Channels**, **Rename Channels** and **Skip Channels**.



Channel Manager

Move Channels

In the **Move Channels** submenu you can change the order of your channels. Using the  /  buttons select the channel you want to move and then press the  button. The  symbol will appear next to the selected channel. Press the  /  buttons until the channel reaches the desired position and then press the  button to confirm.



Move Channels

Rename Channels

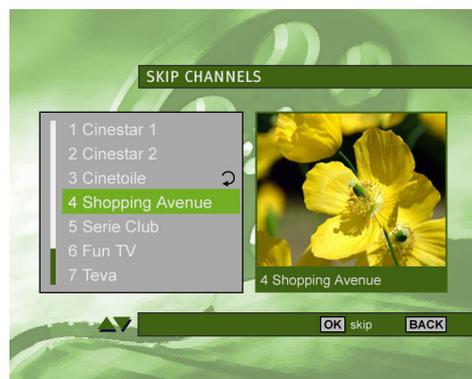
In the **Rename Channels** submenu you can change names of your channels. Using the  /  buttons select the channel you want to rename and then press the  button. After that the name appears in the edit box. You can select the letters to be edited using  /  buttons. Use the  button to delete and **YELLOW** button to change the letter case. When you get the name you wanted, press the  button to confirm the change. You can undo the change and return to the previous name by pressing **RED** button.



Rename Channels

Skip Channels

In the **Skip Channels** submenu you can select the channels you want to skip in browsing mode. Using the  /  buttons select the channel you want to skip and then press the  button. The  symbol will appear next to the selected channel. If you want to unmark the skipped channel, highlight the skipped channel and press the  button. The  symbol will disappear then.



Skip Channels

Timer Manager

When you select Timer Manager from the Main Menu, you get access to already set timers. If there are no timers set, the only place this can be done is this screen. Pressing **OK** will bring up the Setting A Timer screen.



Timer Manager

Setting A Timer

In the Setting a Timer screen, the current data are displayed such as: the current channel, current date and time. By pressing **▲** / **▼**, you can select the channel, date, start/end time, timer type and frequency. Using **◀** / **▶** buttons you can change the values. For channel, date and start/end time modification you can also use digit buttons on your remote. When you set all the values, simply press **OK**. If all the values are acceptable, the acceptance screen will appear. Pressing **BACK** returns you the Timer Manager screen where you the timer you set will be shown.

Note that if the selected channel is locked, you will be asked for the PIN before the timer is accepted.



Setting A Timer

For Parents

You will be allowed access to the For Parents menu only after you enter your PIN code. The main aim of this menu is to restrict access to individual channels. It will allow you to lock individual TV channels, set the parental level, to change your PIN code and to switch the Decoder Lock On or Off.



For Parents

Decoder Lock

The Decoder Lock screen contains only one option Decoder Lock. If this option is assigned the YES value, then access to the following operations is allowed only after the proper PIN code has been entered:

- Access to the For Parents submenu
- Unlocking previously locked channels
- Unlocking parentally locked programs

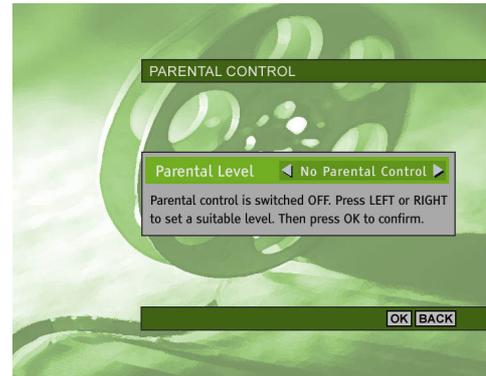
If you switch the Decoder Lock option to the NO value, the above listed operations are no longer protected by the PIN code.



Decoder Lock

Parental Control

This screen allows defining the parental control level in order to restrict access to rated programs with the ratings that exceed the current level. By default, No Parental Control option is defined. You can select the parental level by pressing ◀ / ▶ buttons. The parental level is switched circularly from **No Parental Control**, **7 Years**, **13 Years**, **18 Years**, and **Adults Only**.



Parental level

Channel Lock

The Channel Lock screen is used to block access to individual channels. If a particular channel is locked, all its programs are protected by the PIN code. Highlight the channel you want to lock using ▲ ▼, P+ P-, or by pressing number buttons, then press OK. The locked channel is marked by the 🔒 sign. If a locked channel is highlighted and OK is pressed, this channel becomes unlocked and the 🔒 symbol disappears.

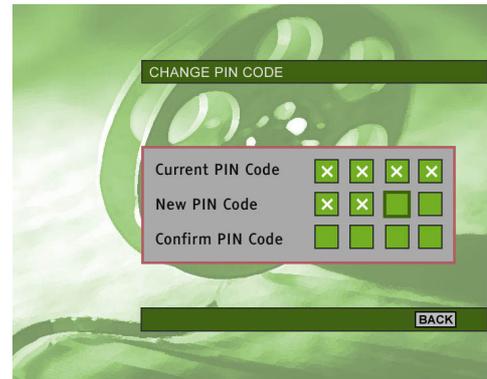


Channel Lock

Change PIN Code

The Change PIN Code screen allows you to change your PIN code. You will be able to change the current PIN code only if you type in a valid PIN. You will have to enter your new PIN code twice for confirmation purposes.

Please keep your PIN secret. Also, choose a number that you can remember.



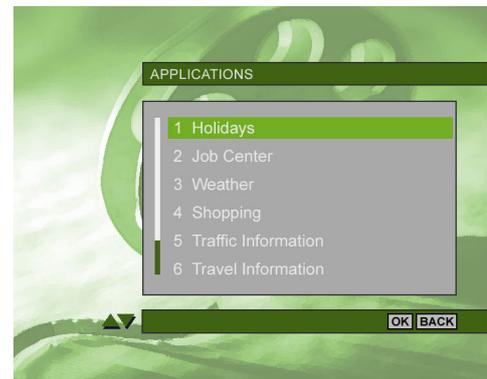
Change PIN Code

Applications

Selecting the Applications icon from the Main Menu submenu gives you access to the Applications screen.

Select the application you are interested in and then press .

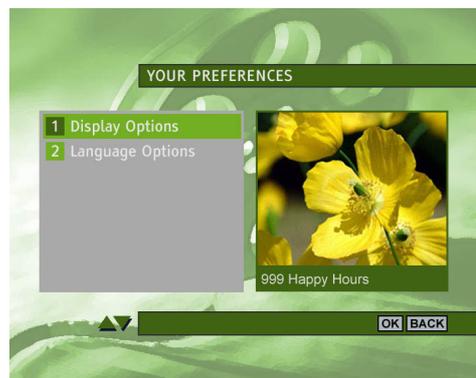
To quit the application, read the on-screen descriptions brought to you by the application itself.



Applications

Your Preferences

When you select the User Preferences icon from the Main Menu, you get access to the Your Preferences screen. This screen allows you to define your display and language preferences. Use the arrow buttons to highlight the icon you are interested in, then press .



Your Preferences Submenu

Display Options

The Display Options screen allows you to define some options related to displaying information on the screen.

Time and Date

Blocks the current time and date from being displayed in the top left corner of the screen.

Channel Number

Blocks the channel number from being displayed in the top right corner of the screen.

Channel Banner Duration

Specifies how long the Channel Banner remains displayed.

Volume Bar

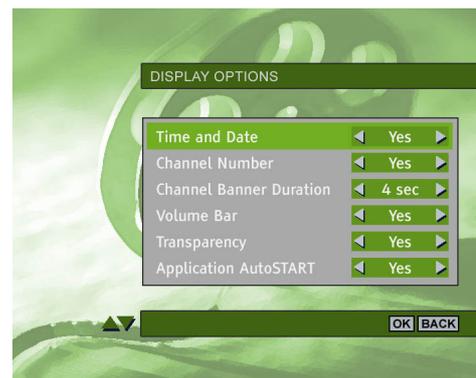
Blocks the volume bar from being displayed.

Transparency

Changes the transparency of the on-screen display.

Application AutoSTART

Changes the way the off-the-air applications are started.



Display Options Screen

Language Options

The Languages Options screen allows you to select options concerning on-screen language, preferred audio languages, preferred subtitling languages, and also teletext language. Your preferred languages will be selected automatically in the viewing mode. If the first language is unavailable, the box will use your second choice.



Language Options

Installation

There should be no need for you to use the Installation menu, as your decoder should have been set up when it was installed. However, the Installation screens can be useful, if for example, you buy a new TV and you want to make sure your decoder makes the best use of the new TV's features.

The Installation menu allows you to do the following:

- change hardware configuration options
- configure modem
- perform channel searching procedure
- check the level and quality of the signal
- get some basic information concerning system and loader
- download new software version
- set up local time
- restore all factory settings of your decoder

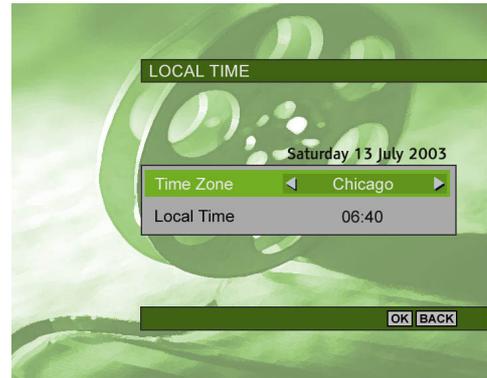
Please note that selecting **Factory Reset**, restores all factory settings of your decodes. This means that any options that you have changed in the Installation submenu will be lost.



Installation Submenu

Local Time

You may need to adjust your local time. Use the ◀ / ▶ keys to change the **Time Zone** until the **Local Time** setting corresponds to your local time. Then press the OK key to confirm any changes.



Local Time

Settings

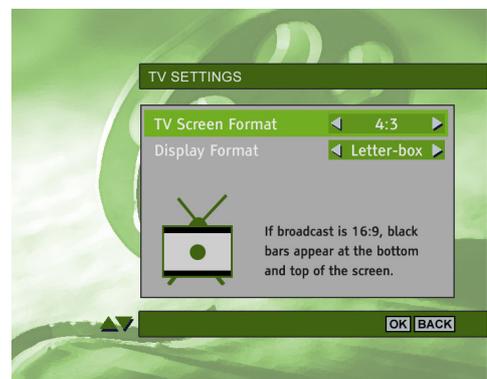
The **Settings** submenu consists of three items: **TV Settings**, **System Settings**, **Internet Connection** and **Modem Diagnostics**.



Settings Submenu

TV Settings

The **TV Settings** screen contains two options: **TV Screen Format** and **Display Format**. Change the **TV Screen Format** setting, if necessary. You may also change the default **Display Format** value (Letter-box) to change the way the video is transformed if the broadcast aspect ratio is different than the aspect ratio of your TV. Read the descriptions that appear in the **TV Settings** screen before you make a decision.



TV Settings

System Settings

The **System Settings** screen contains some of the configuration parameters you may change.

TV SCART Output, VCR SCART Output

Select the appropriate format of the output signals. We advise RGB format for TV SCART because it gives the best picture quality.

Dolby Digital

If you use the **Dolby Digital** receiver, change the value of the **Dolby Digital** option to **Yes**.

Note: If you set this option to Yes, when the broadcast carries Dolby Digital - no audio will be available at receiver's TV & VCR SCARTs as well as L/R audio outputs. Only Dolby Digital bit stream (AC3 – 5.1) will be available at Digital Optical Out.

Auto Upgrade in Standby

When you switch your receiver into the standby mode, the application checks whether a new software version is available. If the new software version is detected, you will be informed about the availability of the receiver's upgrade once you have switched your receiver into the operate mode. However, you may switch the **Auto Upgrade** option to **Yes**. In this case the receiver's software will be upgraded automatically when the receiver is in the standby mode.

Auto Upgrade in Operate

This option allows you to upgrade your decoder when it is in the operate state. You can set the **Check Time** and **Check Repeat** of the upgrades search. At the specified time a window will be shown informing you about that the search for upgrades is about to begin. The search will be initialized if you press the **OK** button or after 1 minute. You can press **EXIT** button to cancel the search.



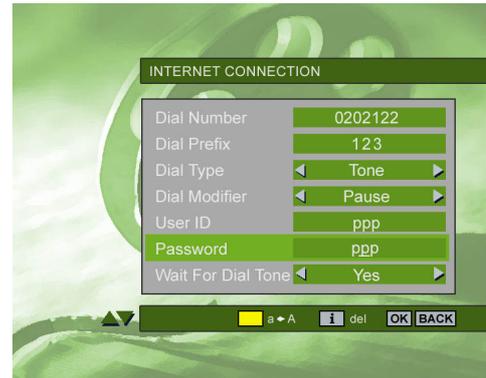
System Settings



Upgrade In Operate

Internet Connection

Your receiver is equipped with an internal modem. To configure your modem parameters use the remote control keys presented in the help bar. Note that each digit button has letters on them. By pressing quickly a button you will be able to select the required letter or digit. When the letter you want appears, just stop pressing and the selected letter or digit will stay on the screen. Pressing **YELLOW** switches between lowercase characters and uppercase characters. If you want to delete characters in the entry box, press the **INFO** key. Once you have configured your modem, press **OK** to confirm the configuration.



Internet Connection

Signal Meter

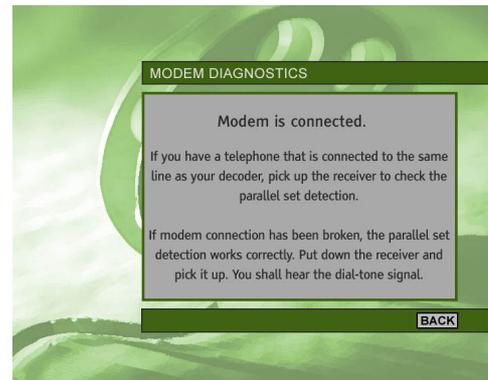
Selecting the **Signal Meter** from the **Installation** submenu brings up the **Signal Meter** screen. This screen displays the signal strength/quality as well as the BER value of the signal. The displayed data concerns the currently tuned channel. You may change the **RF Channel** to be monitored for the signal level/quality by pressing **←** / **→** keys.



Signal Meter

Modem Diagnostics

The **Modem Diagnostics** allows you to check the modem connection as well as to check the parallel set detection. If any problems are detected, the appropriate message will be shown. In case when no problems are detected, you will be able to check if the modem is connected by following the instructions on the screen.



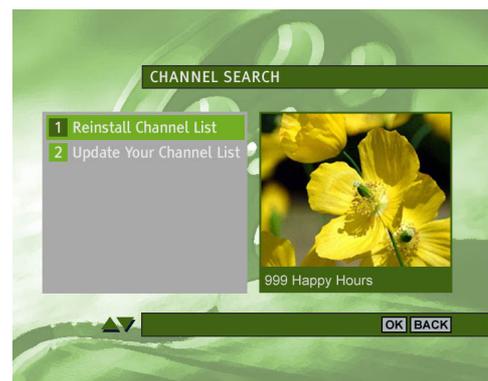
Modem Diagnostics

Channel Search

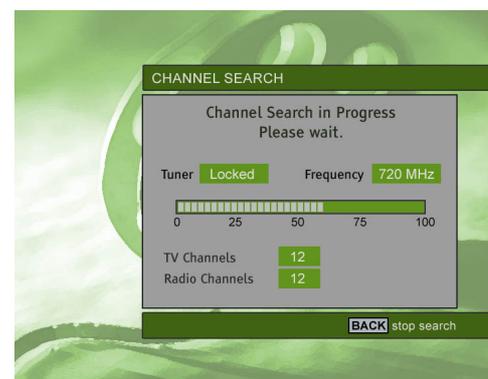
Once you select the **Channel Search** item from the **Installation** submenu, you will be prompted to decide whether you want to update your channel list or whether you want to reinstall your channel list.

If you select the **Reinstall Channels List** item, the whole bandwidth will be scanned again and the existing channels will be replaced with the found ones.

If you select the **Update Your Channel List** item, your channel lists remain intact. All newly found channels will be added to the list you already have.



Channel Search



Channel Search in Progress

Decoder Status

The **Decoder Status** submenu gives you access to some **System** and **Loader** information. **Decoder Upgrade** functionality allows you to perform the receiver upgrade procedure.



Decoder Status

Factory Reset

If you select YES in the Factory Reset screen and press , this will restore factory settings of your decoder and restart the first-time installation process (the **Language** screen appears).



Factory Reset

Help

Help menu provides you with some basic information concerning your decoder's functionality. You will find here some information on how to use your decoder, your remote control, why you may need PIN code, how to use reminders and timers and what interactive applications are.



Help

7 Before Requesting Service

Before requesting service for your decoder, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation. The most common problems that arise are related to cable connections. Make sure that your decoder is properly connected. To ensure that all the cables are in their place, disconnect and connect them again. If remedies indicated in the chart do not solve the problem, consult your Customer Services.

Symptom	Remedy
Nothing lights up on your decoder's front panel.	<ul style="list-style-type: none"> Check that the power cable, SCART cable, antenna cable and plug are correctly connected and the decoder is switched on. Disconnect these cables, and then reconnect them to ensure they are in place. Check that power is available at the wall socket.
Your remote control fails to operate your decoder.	<ul style="list-style-type: none"> Make sure your decoder is in the operate mode. Make sure that you are pointing your remote control at the decoder front panel. Check the batteries in your remote control.
The standby indicator on the decoder's front panel is red.	<ul style="list-style-type: none"> Your decoder is in standby, so press the  button on your remote control, or press the Standby button on the decoder's front panel.
Your box does not find channels	<ul style="list-style-type: none"> Check the antenna connection of your box.
Your decoder fails to respond to button-presses on your remote control and decoder front panel.	<ul style="list-style-type: none"> There is a temporary transmission error, or your decoder has lost some of its software settings. Switch off your decoder at the power source and switch it on again after a few seconds.
The picture on your TV screen changes color. This may happen after a power-cut or after your decoder has been disconnected from the power source.	<ul style="list-style-type: none"> Your decoder has lost some of its software settings. Switch your decoder off and switch it on again after a few seconds. If the problem persists, contact your Customer Services.
Your TV screen displays horizontal lines on all digital channels.	<ul style="list-style-type: none"> Your decoder is damaged. Contact your Customer Services.
Your TV screen intermittently goes blank and then returns to displaying a picture.	<ul style="list-style-type: none"> Your decoder is damaged. Contact your Customer Services.
Blocks appear in the picture on the screen.	<ul style="list-style-type: none"> Either the signal is defective or your decoder is damaged. Wait for the signal to be re-established or select another channel. If the problem persists, contact your Customer Services.
Your TV screen is blank.	<ul style="list-style-type: none"> If your decoder is in standby, press the  button on your remote control or the Standby button on your decoder's front

	<p>panel (applies only if your TV set is in AV mode).</p> <ul style="list-style-type: none"> ▪ Check that your decoder is connected to the power source and properly connected to your TV set. Check the TV SCART cable. ▪ Disconnect and then reconnect your decoder.
No program broadcast has been recorded on your VCR.	<ul style="list-style-type: none"> ▪ Check the SCART connection between the box and VCR.
Only a fragment of a program has been recorded on your VCR.	<ul style="list-style-type: none"> ▪ While recording, you probably switched your decoder into standby, or switched onto another channel.
Text appears on a VCR recording or the volume of a recording changes.	<ul style="list-style-type: none"> ▪ While recording, you probably displayed a menu or pressed the volume control buttons.
“Snow” appears on your TV screen.	<ul style="list-style-type: none"> ▪ Your decoder is in standby. (This is indicated by a red Standby indicator on the front panel.) Press the  button on your remote control or the Standby button on your decoder’s front panel. ▪ Some of the connections to your decoder may have worked loose. Check that your decoder is connected to the power source and correctly connected to your TV set. ▪ If the problem persists, contact your Customer Services.
There is no sound.	<ul style="list-style-type: none"> ▪ Check whether the Mute icon  on your decoder is active. If so, use the remote control of your decoder and/or your TV set to cancel the Mute function. ▪ Check whether the volume on your decoder or TV is sufficiently high. Press the volume buttons on the remote control of your decoder or of your TV set. ▪ Check that your decoder is properly connected to your TV set or to your sound (hi-fi) system. Some of the connections to your decoder may have worked loose. ▪ If the problem persists, contact your Customer Services.
There is no stereo sound on your HiFi system.	<ul style="list-style-type: none"> ▪ Check whether the cables are connected correctly between your HiFi system and right & left audio outputs at the back of your decoder.



If these measures do not solve the problem, try pulling out the power cable plug at the AC outlet, and the re-inserting it.

Appendix A Technical Data

Video Decoding

MPEG-2 DVB compliant up to MP@ML

Video format: 4:3 (letter- box if source in 16:9) and 16:9

Resolution: up to 720x576 pixels

Audio Decoding

MPEG layer I / II

Operation/Features

Automatic channel installation via scanning

Automatic channel list update

TV & Radio modes

Free-to-air reception

Channel editing for personalized installation

Subtitles

Parental lock with PIN code

Fully remotely controlled

Menu controlled installation and operation using On-Screen Display

User programmable VCR timers

Automatic recording via: reminders, timer programming

Automatic VCR playback: Audio L/R + CVBS or RGB/Fast blanking

Receiver compatible with services based on MHP

Now & next event in Channel Banner

Software upgrade via over the air download

Suited for feeding a Video projector

Application System Resources

Processor clock speed: 180 MHz

SDRAM - CPU/Video-Graphics: 40 MB

Flash memory: 8MB

Smart Card reader

Antenna interface & Demodulation

Signal input connector: IEC 60169-2-Part2 female

Loop through connector: IEC 60169-2-Part2 male

DVB standard compliance: DVB-T, ETS 300 744

Modulation: COFDM (QPSK, QAM Modes: 16, 64)

Input frequency range:

VHF III: 174MHz - 231MHz

UHF IV/V: 470MHz - 862MHz

Loop through frequency range: 47 - 862MHz

Connections

TV SCART:

Output: CVBS or S-Video or RGB/ Fast blanking Volume controlled audio L/R, Slow blanking

VCR SCART:

Input: CVBS or RGB / Fast blanking, Slow blanking , Audio L/R

Output: CVBS or S-Video Audio L/R

Audio CINCH: Analog audio output: L / R

Digital audio output: S/PDIF

Serial interface: D-9 female

Accessories

Remote control

Batteries: 2 x 1.5V type AAA/LR03

Scart cable

RF coaxial cable

User manual

Telephone modem cable

Mains cord

Miscellaneous

Temperature range (°C)

Operating: +5 to +45

Storage: -10 to +70

Mains: 230 V ~ +/-10%; 50Hz

Power consumption: 15W max

Weight: 2kg (approximately)

Including packaging: 2,5 kg

Dimensions: 290 x 210 x 55 mm

Appendix B Glossary of Terms

16:9

Wide-screen TV screen format.

AC3

Dolby AC-3 Digital Audio

A/V

A connector for the transmission of audio, video and status signal.

Conditional Access (CA)

A system to control subscriber's access to services, channels, and programs.

Channel Lock

An electronic lock that can be set on any channel, allowing access only by means of your PIN code.

iTV (interactive TV)

Interactive TV gives the viewer greater control and a more personal TV experience. Simply put, it lets the viewer interact with what they are watching.

Guide

Continuously updated program guide for quick and easy reference or program selection.

Menu System

A set of on-screen menus allowing you to customize your decoder.

MHP

Multimedia Home Platform is a common platform for accessing a wide range of digital multimedia services. Applications from various service providers are interoperable with different MHP implementations.

PIN Code

Your personal 4-digit number for controlling specific features of the decoder including access to locked channels.

STB (Set -Top Box)

Another name of a digital decoder.

SCART

A 21-pin connector used for connection of digital decoders, video recorders and TV sets.

SERIAL RS 232

A serial communication standard data port.

Service

Also called a channel to which a TV or decoder is tuned. A service provider offers one or more services.

Smart Card

A card containing an integrated electronic circuit, which together with electronics in the decoder allows you to receive services.

SPDIF

Digital interface format. Digital audio output.

Standby Mode

A condition of your decoder allowing up-dated information from the satellite signals to be retrieved.

Terrestrial TV

Conventional TV programs received directly from a ground transmitter.

VCR

An abbreviation for **V**ideo **C**assette **R**ecorder.

Viewing Mode

The state of your decoder when no menus or windows are displayed on the screen, and the current channel is tuned.

Record the serial numbers of your decoder and smart card, together with the installer's name, address and telephone number. The serial number of your decoder can be found on its back panel.

✂.....

KEEP IN SAFE PLACE – FOR FUTURE REFERENCE

Digital Decoder

Model

Serial No.

Smart Card

Card No.

Installer

Name

Address

Telephone