

Goodmans

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DIGITAL TV RECORDER

GHD8015F2

ENG

A Note About Recycling

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

When discarding the unit, comply with your local rules or regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.



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IMPORTANT SAFEGUARDS

POWER CORD

Do not place the unit, a piece of furniture, etc., on the power cord (mains lead), or pinch the cord. Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be routed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. If it is damaged, ask closest service agent for help. When the AC power cord needs to be changed, it should be done by a qualified service engineer only.

For your own safety read following instructions carefully before attempting to connect this device to the mains.

This unit is designed to operate on a 220V-240V AC-50Hz supply only. Connecting it to other power sources may damage it. Ensure that the supply corresponds to the information on the rating label on the bottom of the unit. This component system may be fitted with a non-rewireable plug. If it is necessary to change the fuse in a non-rewireable plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a replacement, available from the manufacturer, is obtained. It is important that the colour of the replacement fuse cover corresponds with the colour marking on the base of the plug. If the plug needs to be changed, because it is not suitable for your socket or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard.

IMPORTANT

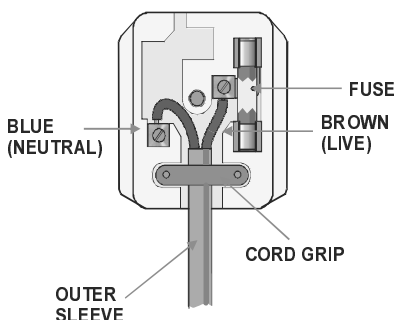
The wires in the mains plug should be connected as shown in the diagram.

The colours of the wires in the mains lead of the unit may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red.

There should be no connection to earth terminal of your plug. If you use a 13 Amp (BS1363) plug, you will need a 5 Amp fuse.



How to replace the fuse

Open the fuse compartment with a blade screwdriver and replace the fuse. When replacing the fuse in the plug use ASTA approved 5 AMP fuse and be sure to re-fit the fuse cover. If the plug supplied with this equipment has a detachable fuse cover, be sure attach the fuse cover after you change the fuse. Never use the plug without the fuse cover.

If you should lose the fuse cover, please contact an electrical goods retailer.

If in doubt, consult a competent electrician how to replace the fuse.



This symbol means that this unit is double insulated. An earth connection is not required.

CAUTION

To prevent electric shock, disconnect from the mains before removing cover. No user serviceable parts inside. Refer servicing to qualified service personnel. Disconnect from the mains supply before cleaning.

INTRODUCTION

Thank you for purchasing this product which has been designed and manufactured to give you many years of trouble-free service. Before use please ensure that you have read all of the following instructions.

About This User Guide

This user guide contains all the information you need to know about how to setup, watch and record available 'Freeview' channels using your PVR.

What is Freeview?

It is the new, free digital service currently providing approximately (depending on location/reception) 30 free digital TV channels, over 20 digital radio stations plus a whole new world of interactive services. It's broadcast from transmitters and received via a rooftop aerial. It works like traditional TV, but because the signals are Digital you need a set top box to convert them. This means more channels can be transmitted with extra features such as interactivity and widescreen pictures.

Safety is Important

To ensure your safety and the safety of others, please ensure you read the Safety Instructions before you operate this product.

- *Keep this information in a safe place for future reference.*

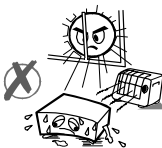
Safety Considerations

Position the cables so that they cannot be walked on or pinched by items placed on or against them.

- Please do not place the set in a place subject to direct sun light, excessive dust or mechanical shock or in a location near heat sources.
- The set should be placed on a solid and safe base. Do not place the apparatus on a soft surface such as a rug that might block the ventilation holes on the bottom.
- A location should not be selected such as a room with high humidity, as the condensation, arising in the kitchen for example, may cause malfunction or damage the set.
- Heating or other thermal radiation under the set also may cause malfunction or damage the set.
- The hot air, which arises during the operation, should be ventilated with sufficient air circulation.

Please do not put the set into closed areas and do not cover it.

- Please avoid the contact with water or humidity. Do not put into operation near bath, sinks, swimming pools etc.
- Take care to provide a good air circulation. Place the apparatus in a location with adequate ventilation to prevent heat build-up in the apparatus.
- Should any solid object or liquid fall into the cabinet, unplug the apparatus and have it checked by qualified personnel before operating it any further.



Cleaning

- ALWAYS unplug the PVR before you clean it.
- Do not use liquid or aerosol cleaners.
- Clean the PVR with a soft, damp (not wet) cloth.

Servicing

- There are no user serviceable parts in this PVR.
- When servicing, refer to qualified service personnel.
- Consult your dealer if you are ever in doubt about the installation, operation or safety of this PVR.

Electrical Information

- Read these electrical safety instructions carefully before connecting the adapter to the mains supply.
- This PVR is supplied with an internal mains adapter. There are no user serviceable parts inside and it does not require any electrical adjustments.
- This PVR is designed to operate on 220V-240V AC 50Hz supply only. Connecting it to any other power sources may damage the PVR.
- The PVR is designed for indoor use only.
- If the plug attached to the PVR is not suitable for your socket, or becomes damaged please replace the plug following the wiring instructions given on the first page.
- Periodically inspect the mains cable for damage. Do not use if faults or damage are found. Refer to qualified personnel.
- Your PVR, as with any electronic equipment, consumes power. In order to reduce power consumption, please switch the PVR to standby when not in use. If you will not be using the PVR for a long period of time, we recommend unplugging it from the mains outlet, however please remember that when disconnected from the mains the unit will not be able to make any timed recordings that have been set.



This symbol indicates that the PVR is double insulated and does not require an earth connection.



This symbol indicates that the PVR is for indoor use only.



This symbol indicates that the PVR conforms to CE regulations.

	WARNING RISK OF ELECTRIC SHOCK	
	<i>The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock of persons.</i>	
	<i>The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.</i>	

Environmental Markings



The "Batteries marking symbol" means used batteries must not be disposed together with your household waste. Please, inquire about the local regulations regarding disposal of used batteries. For information: the batteries supplied with your receiver remote do not contain hazardous substances such as Mercury, Cadmium, or Lead.



The "Material recyclability symbol" means the package cardboard or user manual paper is recyclable.



The "Green dot" affixed on cardboard means that this PVR contains a large number of materials that can be recycled. If you are disposing of an old product, please take it to a recycling center.

GETTING STARTED

Remove your PVR carefully from the box, and remove the packaging from each part.

In The Box

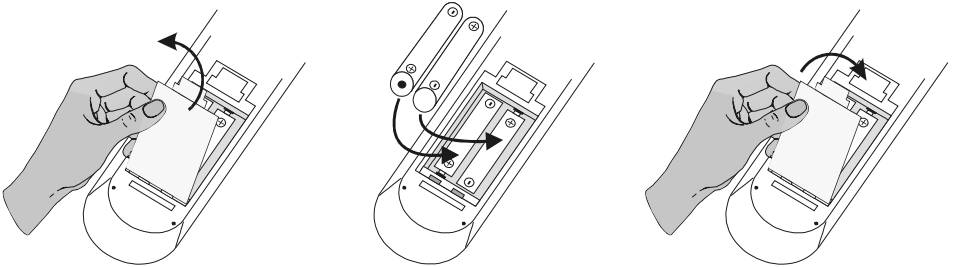
Inside your receiver package you should have;

- This user guide
- Quick Start Guide
- Digital terrestrial television receiver (PVR)
- 2 x 1,5 V R-03/AAA
- Remote Control
- Loop through cable
- 1 x SCART Lead

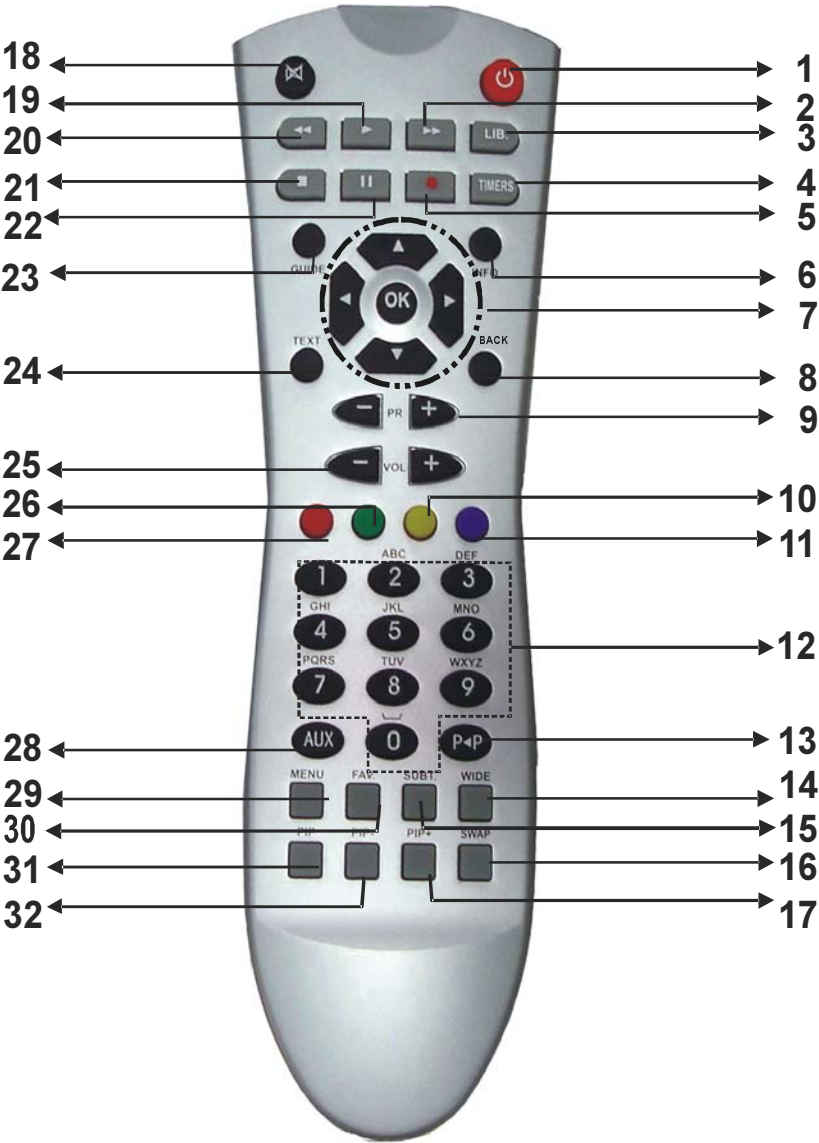
If any of these items are damaged or missing, please contact the place where the PVR was purchased.

REMOTE CONTROL & FUNCTIONS

First open the battery cover on the underside of the remote control. Insert two batteries (R03/AAA) observing the polarities (+/-) indicated on the inside of the battery compartment and put on the battery cover again. While using the remote control, direct it towards the front of the receiver ensuring that there are no obstructions in the path between the remote and the PVR. If the remote control does not work or the chosen function does not work, the batteries are most probably exhausted and they should be replaced as soon as possible. It is best to remove the batteries from the remote unit if it will not be used for a long time.



REMOTE CONTROL LAYOUT




Using the Remote Control

- To use the remote control, point it towards the front of the PVR.
- The remote control has a range of up to 7 metres from the PVR at an angle of up to 60 degrees.
- The remote control will not operate if its path is blocked.

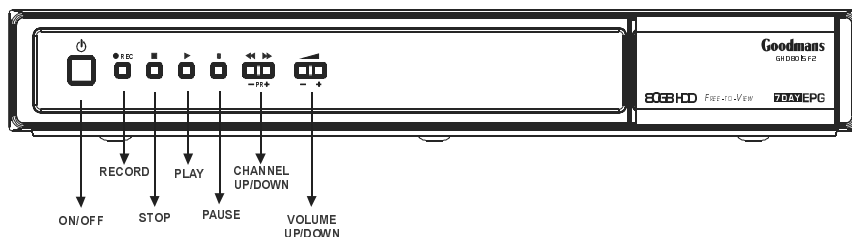
NOTE: Sunlight or very bright light will decrease the sensitivity of the remote control.

REMOTE LOCATION OF CONTROLS

Button	Function
1	Standby
2	»
3	LIB.
4	Timers
5	
6	Info
7	Direction buttons / OK
8	Back/Exit
9	P+ / P-
10	Yellow
11	Blue
12	Number keys
13	P ◀ P
14	Wide
15	Subt.
16	Swap
17	Pip +
18	Mute
19	▶
20	◀◀
21	■
22	
23	Guide
24	Text
25	V+ / V -
26	Green
27	Red
28	Aux
29	Menu
30	Fav
31	Pip
32	Pip -

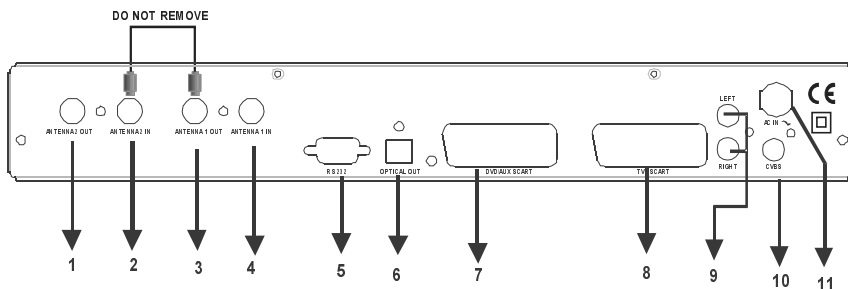
YOUR DIGITAL RECEIVER (PVR)

FRONT PANEL:



BUTTON	MODE	ACTION
ON/OFF	All	Turn the unit to/from standby
RECORD (●)	Live TV	Record the current programme (to add future programmes press again.)
STOP (■)	Recording	Stop recording
	Timeshift	Stop timeshift
	Playback	Stop playback
PLAY (▶)	Live TV	Display library of recordings (use ◀/▶ on front panel to navigate)
	Library of recordings shown on screen	Select file for playback
	Timeshift/Playback	Play
PAUSE ()	Live TV	Start Timeshift
	Timeshift/Playback	Pause Playback
P +/- (◀/▶)	Live TV	Channel Up/Down
	Library of recording shown on screen	Navigate up/down
	Timeshift/Playback	Search forward/Backwards
▲ +/-	All	Increase/decrease volume

BACK PANEL

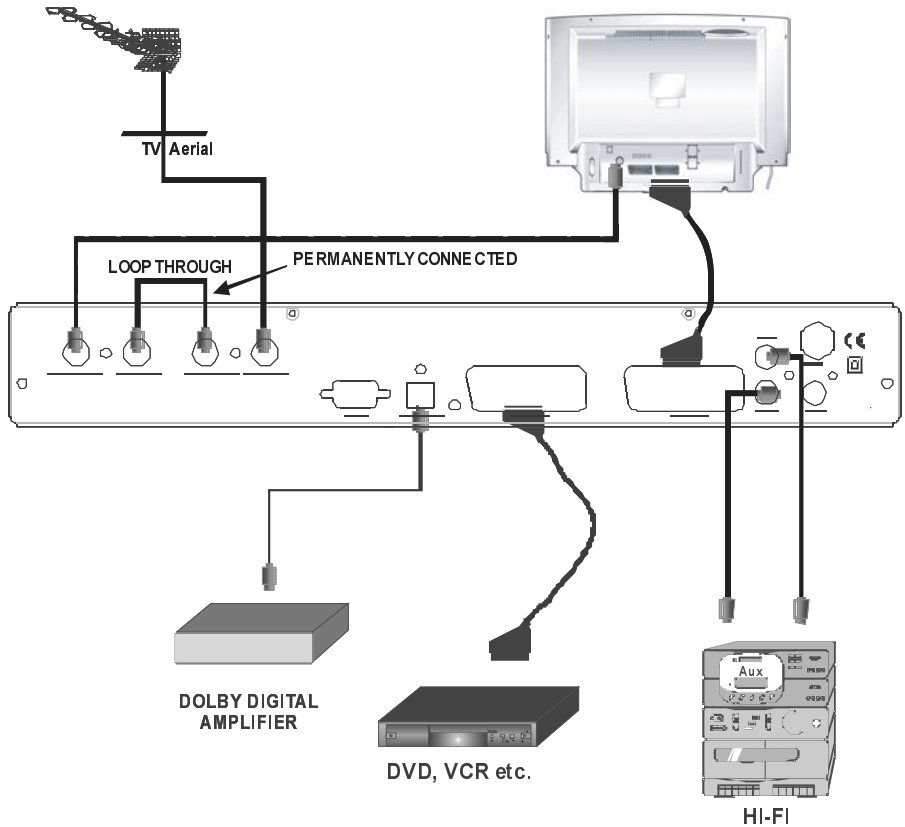


- | | |
|-------------------------------------|--|
| 1. AERIAL 2 OUT | : Aerial loopthrough output - Connect to TV aerial socket. |
| 2. AERIAL 2 IN | : Loop through |
| 3. AERIAL 1 OUT | : Loop through |
| 4. AERIAL 1 IN | : Aerial input |
| 5. RS232 | : Factory use only |
| 6. OPTICAL SPDIF | : Optical Digital Audio Output |
| 7. DVD/AUX SCART | : Input for external equipment such as DVD player etc. |
| 8. TV SCART | : TV Scart connection |
| 9. ANALOGUE AUDIO LEFT/RIGHT | : Analogue Audio output |
| 10. CVBS | : Composite video Output |
| 11. MAINS CABLE | : Connect to 220-240V AC, 50 Hz mains electricity supply |

Important Note: It is not possible to record from external equipment connected to the AUX SCART socket.

CONNECTION DIAGRAM

The following diagram shows typical configurations only, and may differ slightly to your existing external equipment. If you are unsure on how to connect to your PVR, always consult your manufacturer's user guide supplied with your equipment.

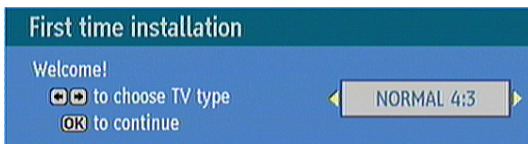


NOTE: This set top box supports Free To View only. There is no provision for a CAM or Pay To View card. Please note it is not possible to record any input from the DVD/AUX SCART. The DVD/AUX SCART is only used for loopthrough.

MENU INTERFACE

FIRST TIME INSTALLATION

When the box is switched on from stand-by mode and if there are no channel stored in the First Time Installation Menu window is displayed on the screen. In this window, choose the connected TV type using “◀ ▶” keys and press OK to continue.



Automatic channel scan window will be shown and the unit will search for available channels.

MAIN MENU

Navigating the on screen display (OSD)

Most of the OSD functions are controlled by the following keys on the remote control:

Up/Down arrow keys	Move one item up or down
Left/Right arrow keys	Move one item left or right
	Change the setting of a configurable item
OK key	Confirm the current action
Exit key	Close the menu screen
	These buttons are used for different functions depending on what OSD is shown on the screen. Please see the I-Bar at the bottom of each OSD for details.
Colour keys	OSD is shown on the screen. Please see the I-Bar at the bottom of each OSD for details.
i-key	Show help guide for OSD (where available)
Numerical keys	Switch to a specific channel
	Enter number values for timers

Enter letters for channel and recordings' names as follows:

- 1 - abc
- 2 - def
- 3 - ghi
- 4 - jkl
- 5 - mno
- 6 - pqr
- 7 - stu
- 8 - vwx
- 9 - yz
- 0 - + - * / |

Main menu is accessed by pressing the MENU key on the remote control. Navigate using the “▲/▼” keys and press OK to enter sub-menus. Press the BACK/EXIT button to return to the previous menu. In all sub-menus there is an Info banner at the bottom of the screen, which describe the functions that can be used in the selected sub-menu.



CHANNEL LIST

The channel list gives a list of channels, where the following operations can be performed :

1. Navigating channels
2. Deleting channels
3. Renaming channels
4. Adding parental controls to channels
5. Creating/Editing favourite list



NAVIGATING CHANNELS, USING THE CHANNEL LIST

Use the “▲/▼” keys to highlight the required channel. To view the highlighted channel, press OK key while the Select option at the bottom of the screen is highlighted. If the selected channel is password protected then a pop up menu is display, enter the PIN number using the NUMERICAL keys.. If the correct code is entered, the selected channel will be displayed. The scroll Bar in middle of the screen shows relative position of the currently visible channels with respect to the whole list.

DELETING CHANNELS

To delete a channel highlight it using “▲/▼”, then highlight the “Delete” button using “◀/▶” and press OK. A message is displayed to confirm, if the channel is to be deleted select “YES”, using “◀/▶” buttons or to cancel, select “NO”.

EDIT CHANNEL NAME

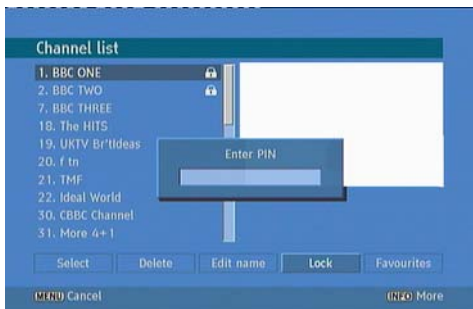
To rename a specific channel, highlight the channel and select the “Edit Name” button using the “◀/▶” buttons and press OK. A edit name box is shown on the screen. Use “◀/▶” to move to the previous/next character. “▲/▼” cycles the current character, i.e., ‘b’ character becomes ‘a’ after pressing “▼” or ‘c’ after pressing “▲”. Pressing the numerical buttons ‘0..9’ replaces the highlighted character with the characters printed above the button one by one as the button is pressed (similar to writing a text message on a mobile phone). To cancel the name edit press the BACK/EXIT key or press OK to save the new name.



ADDING PARENTAL CONTROL TO CHANNELS

Parental control provides a password-protected access to channels. To lock a channel, from the channel list menu highlight the channel to be locked and select the “Lock” button with the “◀/▶” keys and press the OK key on the remote. A PIN entry box will be shown on screen, enter the PIN number using the numerical keys (the default PIN number is 0000 and can be changed from the Configuration

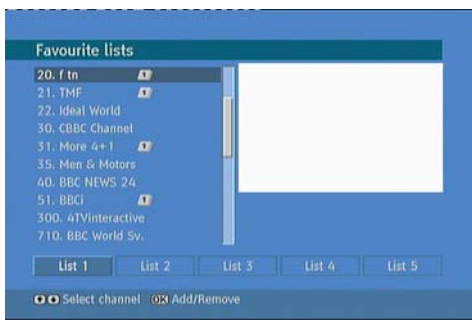
menu). Enter the parental Lock PIN, press OK and the Lock icon will be displayed next to the selected channel. Repeat the same operation to remove the Lock.



CREATING/EDITING FAVOURITE LISTS

Favourite lists provide an easy way to group programs in a customisable way. Five favourite lists are available named as List1, List2, List3, List4 and List5.

- From the channel list use the “◀/▶” buttons to highlight “Favourites” button and press OK to enter the “Favourite Lists” menu.
- Use the “◀/▶” buttons to select the favourite list to be created/edited (List1/List2/List3/List4 or List5).



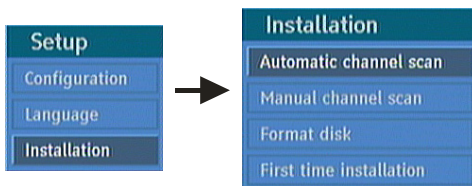
- Use the (up/down) keys to highlight the channel to be added to the list and press OK. To add further channels to the list repeat this procedure.
- Repeat the above steps to remove the channels from the list.
- Once complete, press MENU to save your settings.
- Press the FAV key on the remote to cycle through the available favourites list (LIST1 to LIST5). The PR+ and PR- buttons will cycle through the channels stored in the currently selected favourites list.

INSTALLATION

The installation menu provides two different channel searches as well as the First Time Installation feature. In order to access it, press the menu key then select settings using the “▲/▼” keys and press OK. From the submenu select Installation using the “▲/▼” keys and press OK. Please note that performing a First Time Installation will delete your channel list and reset every menu setting to its factory default.

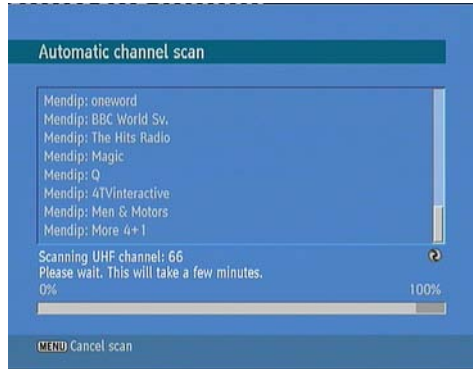
AUTOMATIC CHANNEL SCAN

It is recommended to use the automatic search if several channels in your channel list are no longer being broadcast or if new channels have become available. The automatic search will create a new channel list out of all available channels and replace



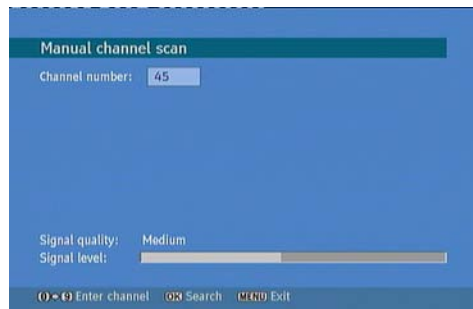
the previous channel list. As it searches every available channel, the process may take several minutes to complete.

Automatic channel scan is activated by selecting OK when the Automatic Channel Scan option is highlighted. A pop-up menu is shown on the screen, select "YES" to start. All the multiplexes are searched and a channel table is created automatically. All channels found are stored in a sorted form with respect to their channel numbers. To cancel the scan select "NO" from the pop-up menu.



MANUAL CHANNEL SCAN

The manual search is quicker as the channel number for the multiplex has to be specified and therefore the PVR only has to tune into the one channel to find stations. However the channel numbers must be known before attempting this method and therefore this is only designed for more advanced users. **In manual search the UHF channel number of the multiplex is entered manually and only that multiplex is searched for the channels. In manual and auto search, any existing channel in the database is not re-stored to avoid redundant duplicates of that channel. To start the scan enter the channel number manually and press OK.**



FORMAT DISK

On rare occasions the Hard Disk may malfunction, in most cases formatting the Hard Disk will restore normal operation however ALL the data stored on the Hard Disk will be lost. Press OK with the "Format Disk" option is highlighted. A pop-up menu is shown on the screen to ensure that the hard disk should be formatted, select "YES" and press OK to format the Hard Disk. Select "NO" and press OK to cancel.

FIRST TIME INSTALLATION

Use this option to load default settings, which had been set at the factory. To install factory settings, highlight 'First Time Installation' menu and press OK key, then you will be asked to confirm deleting all channels and settings. Selecting YES and pressing OK will delete the channel table. Selecting "NO" and pressing OK will cancel the operation.

TIMERS

Timers can be used to set recording timer for a certain channel and time. The recording will start in background, using the second tuner allowing continued watching of a different programme during the recording. In order to set a timer, press the TIMERS key on the remote (or access via the TIMERS option on the main menu) and press the blue button to add a timer. The following options then need to be set:

Use "▲/▼" keys to navigate to select the below options.

Channel: Use "◀/▶" keys to select the channel to record.

Date: Using NUMERICAL KEYS enter the date for the recording.

Start: Using NUMERICAL KEYS enter the start time for the recording.

End: Using NUMERICAL KEYS enter the end time of the recording.

Duration: Displays the duration of the recording. This is automatically calculated after the start and end times have been entered and cannot be adjusted directly.

Repeat: Using "4" / "▶" keys, set repeat mode to "Once", "Daily" or "Weekly". Using this option, it is possible to set the timer so, that it repeated "Once", "Daily" (timer will record at the same time every day), or "Weekly" (timer will record at the same time on the same day every week).

Playback: Change the playback rights for this recording "use parental settings" is default. There are three possible settings as follows:

"Use parental settings": If this option is selected, playback will follow the parental control settings for the channel recorded from. i.e. if the channel is locked and therefore requires PIN entry to view, the recording will require PIN entry to view. If the channel is not locked, PIN entry is not required. (Please note, changing the parental settings after the recording has been made will not affect the recording.)

"Allowed": Playback of the recording is allowed no matter what the parental settings for the channel recorded from is set to. If allowed is selected the Enter PIN dialogue will be displayed. Enter the PIN number using the NUMERICAL keys and press OK.

"Disallowed": PIN entry will be required on playback of this recording.

Change /Delete: Allow or do not allow any modifications of this recording. There are two possible settings as follows:

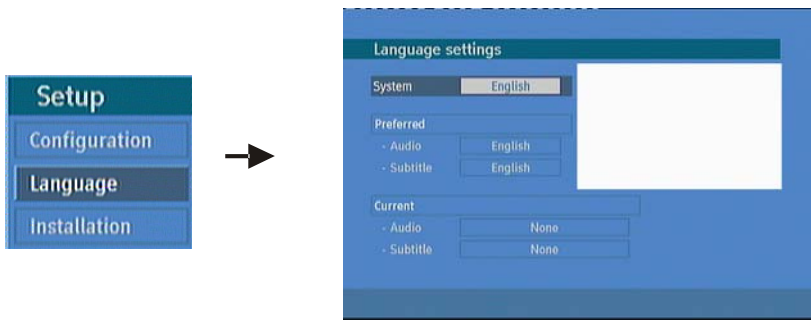
"Allowed": Users will be able to edit/delete the timer (before recording) and delete the recording once made without entering PIN number.

"Disallowed": Users must enter PIN before editing/deleting timer (before recording) and before deleting the recording once made.

When a timer Start time is reached, the receiver starts to record the desired program, then when the end time is reached, the recording stops. Save the timer by pressing the GREEN key or cancel any changes made using the RED button.

To edit an existing timer highlight that timer in the timer list and press the YELLOW key. To delete a timer from the timer list, highlight that timer in the list and press the RED key.

LANGUAGE



The following options can be set :

System: shows the language used for all of the menus, on this model this is fixed to English.

Preferred

These settings allow the preferred languages to be set for the audio and subtitles. The options set here will be used for the audio or subtitle language automatically (if the relevant language is being broadcast).

- **Audio**: Use "◀ / ▶" keys to select the preferred audio language.
- **Subtitle**: Use "◀ / ▶" keys. The selected language (if broadcast) will be used when subtitles are selected.

Current

- **Audio**: Use "◀ / ▶" keys to select the audio language from the currently broadcasting language options.
- **Subtitle**: Use "◀ / ▶" keys to select the subtitle language from the currently broadcasting language options.


ELECTRONIC PROGRAMME GUIDE (7-DAY-EPG)

Press the GUIDE button to display the EPG. The 7-day EPG is able to show the TV programmes for all channels for the next 7 days (if the information is being broadcast by the different channels). To advance the day that the information is shown for press the blue button. To go back a day press the yellow button. Only information for the following 7 days will be shown. Past programmes will not be shown.

Use "▲ / ▼ / ◀ / ▶" to navigate the guide and highlight a programme. Across the bottom of the screen there is an info bar



showing all the available commands which are listed below.

RED KEY (SHRINK)	:	Shrink the guide so that the EPG shows more time. This will result in the information shown being more condensed.
GREEN KEY (EXPAND)	:	Expand the guide so that less time is shown on the screen.
YELLOW KEY (PREV DAY)	:	Show the information for the previous day.
BLUE KEY (NEXT DAY)	:	Show the information for the following day.
INFO KEY (DETAILS)	:	Show/Hide the information panel for the currently highlighted programme.
 KEY (RECORD)	:	Set a timer to record the selected programme.
NUMERICAL KEYS (JUMP)	:	Select a channel to display information for directly using the numerical keys.
OK KEY (VIEW)	:	View the highlighted channel.
TEXT KEY (GENRE)	:	Displays/hides the "Select Genre" window. (Please see below for further information).
◀ KEY	:	scroll the page to the left.
▶ KEY	:	scroll the page to the right
► KEY	:	Return the guide to display the current time.

GENRE

Display the "Select Genre" window by pressing the TEXT key on the remote whilst the programme guide is displayed. Use the "▲/▼" keys to select the required genre and press OK.

All the programmes in the programme guide that fit the selected genre will be highlighted. E.g., "KIDS" will highlight all the children's programmes.

Please note this is dependant on the correct information being broadcast, some programmes may not have a genre associated with them. This is by design and not a fault with the PVR

• **Important Note:** If during a programme there is a break for a news update (or similar) the programme information in the guide may be split into two parts which may appear in two separate time periods of the EPG. For example a film may start at 20:00 and finish at 22:00 but at 21:00 there is a news update. In the EPG the film will be shown twice, the first half (20:00 – 21:00) will be in the time period (18:00 – 21:00) and the second half (21:01 – 22:00) will be shown in the following time period (22:00 – 01:00). To record the whole file both parts must be selected for recording.

MESSAGES

When there is no signal being received (e.g. the aerial cable is disconnected), "NO SIGNAL" message will be shown on the TV screen.

If no channels are found during a channel scan the "NO CHANNELS FOUND. PLEASE CHECK YOUR ANTENNA

CONNECTION" message will be shown on the screen. If this is shown please check that an aerial is connected and there are Freeview transmissions in the area, then press ok and scan for channels using the information on page 13 and 14.

No signal

No channels found. Please check your antenna connection.


OK

SPECIFIC FUNCTIONS OF REMOTE CONTROL

When there is no menu displayed on the screen, each of the keys on the remote have the following functions.

OK KEY: when OK key is pressed Channel list is shown on the screen (see page 12 for information on how to use the channel list).

RECORD KEY

The current programme is recorded to the end (based on information from the EPG). To record the following programme as well press the RECORD key  again.



LIB KEY: Display the recordings library (see page 22 for further information)

SUBTITLE : Display/hide the subtitles for the currently viewed programme (if being broadcast)

INFO KEY

When the INFO button is pressed (or when changing channels) the i-bar is displayed as shown below:



To view a brief description of the current programme press the INFO button again. To view a brief description of the next programme press the (right) button. To hide the brief description window press the INFO button again.

With the i-Bar showing use the “▲/▼” keys to view the now next information for other channels. The brief description for these events can be shown by pressing the INFO button as described above.

PR+ / PR - (CHANNEL NAVIGATION)

There are several ways to navigate through the channels:

- Pressing PR +/ PR - keys change the next or the previous channel in the list.
- The channel number can be entered directly using the NUMERICAL keys on the remote. Enter the digits as they are, for example, to enter 701 press the 7 key followed by the 0 key and finally the 1 key.

- Press OK button to display the channel list.

VOLUME CONTROL

To increase the volume press the VOL + key. To decrease the volume press the VOL - key. The volume bar will be shown on screen to give a visual representation of the volume level.



To mute the audio press the MUTE key on the remote. The mute symbol will be shown on the screen for approximately 3 seconds. To restore the audio either press the mute button again or press either the VOL + or VOL - keys



PIP (PICTURE-IN-PICTURE)

When the PVR is not recording/or playing back a recording, it is possible to display the PIP (picture in picture) window. This allows a second channel to be viewed in a small window in the corner of the screen however it is not possible to select the audio from this PIP window. To display this window press the PIP button.



- **PIP +:** Display the next channel in the PIP Window.
- **PIP - :** Display the previous channel in the PIP window.

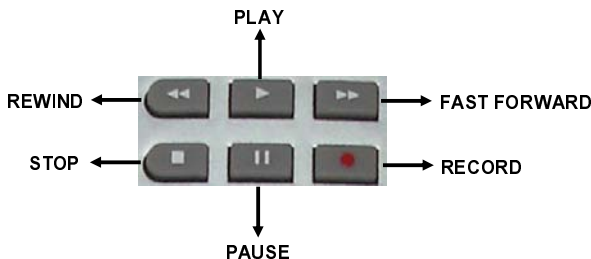
SWAP: Main window and PIP window swap channels

RECORDING & PLAYBACK

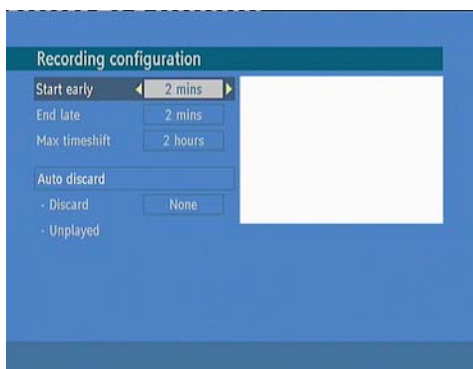
The internal hard drive can store up to 35 hours of digital TV broadcast (depending on the data rate of the recorded programme, which is set automatically by the broadcaster).

Because the PVR has a Twin Tuner it is possible to record one event and watch another programme at the same time. It is also possible to playback a recording previously made during an active recording. Please note it is **not** possible to record two channels at the same time.

The PVR record and playback functions are very similar to those of a VCR. The buttons used for playback and recording are shown below.



To configure the playback/recording options select the "Recordings..." option from the configuration menu. The following options are available for adjustment:



START EARLY: Using the “◀ / ▶” keys set the number of minutes early a timed recording should start. Any timer set will start early by this amount to ensure that all of the desired programme is recorded. If adjacent recordings are made, this is set automatically to 0.

END LATE: Using the “◀ / ▶” keys set the number of minutes a timed recording should be extended by. Any timer set will be extended by this amount to ensure that all of the desired programme is recorded. If adjacent recordings are made, this is set automatically to 0.

MAX TIMESHIFT: Select the maximum time allowed for timeshifting. See below for more information on timeshifting

AUTO DISCARD

DISCARD: When the HDD is full and a timer is set to record, the unit will automatically discard previous recordings based on this setting. The options are as follows:

None: The unit will not discard any recordings and the timer will not record the requested programme.

Oldest: Starting with the oldest, recordings will be deleted to make space for the requested timer.


Largest: Starting with the largest, recordings will be deleted to make space for the requested timer.


Smallest: Starting with the smallest, recordings will be deleted to make space for the requested timer.

UNPLAYED: If this option is set to "EXCLUDED" any unplayed recordings will NOT be deleted. If this option is set to "INCLUDED", unplayed recordings WILL be deleted.



TIME SHIFTING (PAUSE LIVE RECORDING)

Pause Live TV is a feature that enables the live TV to be paused if, say the phone rings it is possible to pause the live TV until after the end of the phone call (or the maximum time for timeshifting has been reached).

Press PAUSE  key to enter TIMESHIFT mode. The timeshift information will be shown in the I-Bar and the pause symbol will be shown in the top left corner of the screen. The maximum duration of Timeshift can be adjusted from recordings submenu of the configuration menu in the Configuration menu (see above for details). To start viewing the paused

broadcast press the play button. Press the  key repeatedly to search backwards at different speeds (up to the point where the pause button was pressed).



Press the  key repeatedly to search forwards at different speeds. If the recording then catches up with the live broadcast, the timeshift will stop and normal live broadcast will be shown. To cancel timeshift and return to live broadcast press the  (STOP) key.

NOTE: It is not possible to change channels whilst in Timeshift mode.

TEXT

Many digital terrestrial television channels not only broadcast pictures and sound for programmes but also pages of information on the programmes, the weather, news and many other topics. This digital teletext can be displayed by this PVR. Some channels are entirely given over to digital teletext and carry no normal TV programme at all.

These dedicated digital teletext channels will not give a quarter-screen image in the Channel List screen. When such a channel is selected, after a brief pause, they will usually display the opening page of information automatically. Other channels have digital teletext pages broadcast alongside the television programme and often include a reduced-size broadcast picture within digital teletext pages.

These usually require the TEXT button to be pressed to activate the digital teletext pages. In both cases, moving through the different pages of information is accomplished in a variety of ways, dependent on the individual broadcasters, but normally the "▲/▼/◀/▶" are used to navigate to a page title and the OK Key is used to enter a page or confirm a selection. The coloured keys are often used to jump directly to particular pages.

It is possible to exit teletext mode by pressing the TEXT button on the remote or by changing channel.

WIDE

TV sets are available with screens of the standard (4:3) format and widescreen (16:9) format. When the PVR is first installed the format of the connected TV is specified (this can also be altered if necessary; via the configuration menu). Digital terrestrial television broadcasts are also made in both standard and widescreen formats. In particular, films and dramas tend to be broadcast in widescreen format to closer emulate the cinema experience, but some programmes such as news bulletins are 4:3. So long as the PVR has been correctly set up for the TV set connected, a widescreen programme will always be displayed correctly on a widescreen set, and a standard format programme will correctly fill the screen of a standard format TV.

With a widescreen TV set displaying a standard format programme the WIDE key switches between displaying the picture with black bars down the sides, and enlarging the picture so that it fills the whole width of the screen but the top and bottom are cropped off. With a standard format TV displaying a widescreen programme, the WIDE key switches between displaying the picture with black bars at the top and bottom of the screen, and filling the whole height of the screen but cropping the sides off according to instructions broadcast with the programme (called 'pan and scan'). The effect of the WIDE key on the picture display is cancelled by pressing WIDE again, changing channel or turning the receiver to standby.

NOTE:

Sometimes the TV will automatically try and compensate for an incorrect screen format, in this instance set the TV to the correct format whilst viewing the programme.

16x9 picture on widescreen TV



4x3 picture on widescreen TV



16x9 picture on normal TV



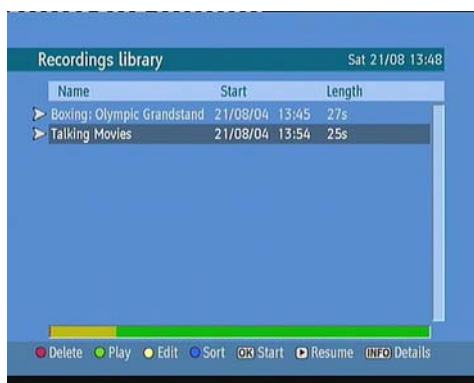
4x3 picture on normal TV



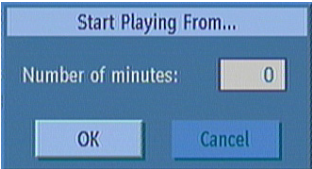
RECORDINGS LIBRARY

The recordings library is a library of all the records that have been made. It provides information about every recording, like the name (if the recording was made via the EPG)/channel, date, time and length of programme. It also shows if playback has already been started of the selected recording.

To show the list of recordings press either LIB button on the remote or access it from the main menu.



- RED BUTTON (DELETE)** : erase the selected recording
- GREEN BUTTON (PLAY FROM)** : Displays the "Play from..." box to select the start position.



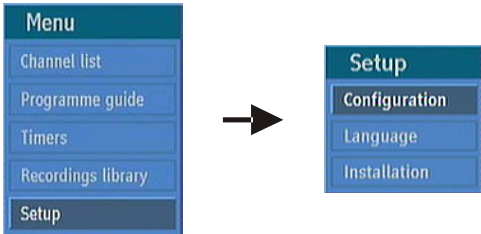
- YELLOW BUTTON(EDIT)** : Edit the Delete and Playback settings for this recording (for details of playback and delete settings please see timers on page 16)
- BLUE BUTTON (SORT)** : Sort the recordings by the following options:
Name,
Name Reversed,
Start, oldest file first
Start, Newest file first
Length, Shortest file first
Length, Longest file first
Unviewed first
Viewed first
- INFO (DETAILS)** : brief description for the recordings (only available for recordings set using the EPG).
- OK (START)** : play the selected recording from the start
- ▶ (RESUME)** : play the selected recording from the last viewed point.

Under the list of recordings there is a visual guide to the space left on the hard drive. The colours indicate the following:

- Red bar:** indicates the used space of the recordings on the hard disk.
- Yellow bar:** displays the approximate capacity required for the timers currently set.
- Green bar:** shows the free space on the hard disk.

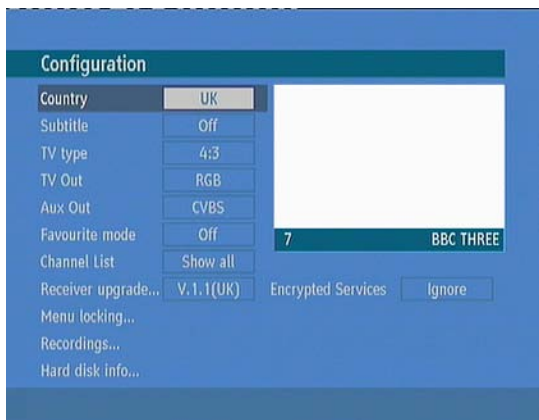
SETUP

The configuration, language and installation sub-menus are accessible via the setup menu



CONFIGURATION

This menu contains the configuration settings for the PVR.



COUNTRY

The country that the PVR is to be used in. Please note for this PVR the only available option is "UK"

SUBTITLE

Digital terrestrial television channels can broadcast with subtitles displayed on-screen for the hard-of-hearing. This option allows selection of the desired subtitle language (if available) and enables the automatic display of subtitles whenever subtitle information is broadcast. Highlight the Subtitle line in the Configuration menu and use the "◀ / ▶" keys to adjust. To display the subtitles quickly press the SUBT. button on the remote.

TV TYPE

During the first time installation the type of TV that the PVR is connected to is chosen. This option allows that setting to be adjusted should the PVR be connected to another TV without having to perform the first time installation. It is important to choose the correct setting so that the correct video format is output to the TV.

TV OUT

The PVR can output RGB, CVBS and S-Video signal via the TV SCART on the rear panel. Although the RGB format results in a better quality picture, not all equipment can display an RGB signal. Please check the instruction manual supplied with the connected TV for the correct setting to use here. Use "◀ / ▶" to adjust this setting accordingly.

AUX OUT

The PVR can output CVBS (composite) or S-Video output via the AUX/VCR SCART on the rear panel. Please consult the instruction manual for the external device connected to this socket for which video format to select. Use "◀ / ▶" to adjust this setting accordingly.

FAVOURITE MODE

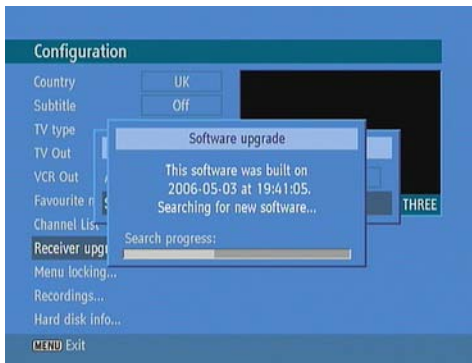
Use "◀ / ▶" to select the desired favourite list (please see page 13 for setting up favourite lists). To cancel favourite mode change this setting to "OFF"

CHANNEL LIST

Use “▲/▼” keys to go to Channel List option. Use “◀/▶” buttons to adjust Channel List Mode. If “TV Only” is selected, the PR+/PR- buttons will only navigate through the TV channels. If “Radio Only” is selected, the PR+/PR- buttons will only navigate through the radio channels. If “Text Only” is selected, the PR+/PR- buttons will only navigate through the text only channels. To use PR+/PR- to navigate through all channels select “Show All”

RECEIVER UPGRADE - OAD

The PVR comes with a special feature that allows the PVR to be updated using software that is broadcast over the air and received via the aerial (when the software is available). To ensure that the PVR always has the most up to date software. Please ensure that after use it is set to standby mode. The PVR automatically powers up at 3.00 A.M. each day and searches for any new information which may be broadcast and will download this to your receiver automatically. This operation will normally take approximately 30 minutes. If you have an important recording to make at 3.00 A.M. which must not have a 30 minutes interrupt then you can disable the auto OAD search by performing the following:



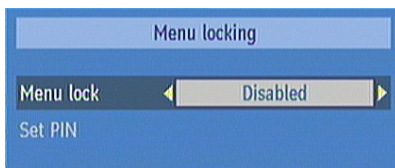
- Press Menu button and using the “▲/▼” buttons to choose Setup and press the OK button.
- Highlight Configuration menu with “▲/▼” keys and press OK.
- Use “▲/▼” buttons to choose “RECEIVER UPGRADE” and press OK button.
- Using the “◀/▶” button change “Automatic scanning” from Enabled to Disabled.
- To perform a manual scan for update highlight “Scan for upgrade” option using “▲/▼” keys and press ok. If an update is found this will be downloaded and installed to the PVR automatically..

Do not forget to re enable the automatic OAD function after you have made your recording by repeating the above instructions but this time selecting ENABLE.

NOTE: If there is no new software version available, this procedure will take about 20-30 seconds.

MENU LOCKING

Use “▲/▼” buttons to go to Menu Locking option. Press OK button to enter the menu. A box asking for the PIN number is displayed. The key is set to “0000” initially. Enter PIN number using the Numerical keys. If it is incorrect, “Wrong Pin” is displayed. If it is correct, the Parental Settings Menu is displayed.



MENU LOCK

In menu lock you can set locking for All Menus, or just the Installation Menu to restrict access to these menu's. If the menu lock is disabled. Although it is possible to delete channels that are not suitable for younger audiences from the channel list, it is very simple to add this channel again by performing a channels search. The menu locking option allows PIN controlled access to either all menu or just the installation menu to prevent these channels being added. Use the "▲/▼" buttons to highlight the menu lock option and then use "◀/▶" keys to adjust the setting to one of the following.

DISABLED : All menus are unlocked and do not require a pin to access.

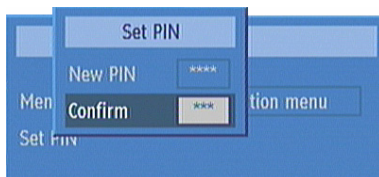
ALL MENUS : All Menus are accessible only with the correct PIN number. With this level of Menu lock it is not possible to add, delete or rename channels.

INSTALLATION MENU : With this setting only the installation menu is locked. With this level of menu lock it is not possible to add new channels.

Please note, any changes made will not be updated until all menu have been exited.

SET PIN

Use "▲/▼" buttons to highlight the "Set PIN" option. Press OK to display the "Set PIN" window. Use NUMERICAL keys to enter new pin number then enter the PIN number again in the second box. If both pin numbers are four digits long and the identical, "PIN Changed" will be shown in the set pin box for a few seconds and then the set PIN box will close. At this point the new PIN number is active



HARD DISK INFO

To view the details about the Hard disc, highlight "Hard Disk Info..." using "(up)/(down)" keys and press OK. The following information will be shown:

Total Space: The total size of the Hard Drive

Reserved for timeshift: This is the space that is reserved for use by the timeshift function and is dependant on the setting in "Max timeshift" (see **page 21** for details)

Space used by recordings: The space used by the recordings that are on the Hard Drive

Free Space: Available space for future recordings

Estimated space for times set: The estimated space on the hard drive that will be used for the any timers that are currently set

Estimated Recording Time after: This is the estimated remaining time left available for recordings

Hard disk information	
Total space	79.8 GB
Reserved for timeshift	3.7 GB
Space used by recordings	6.3 GB
Free space	69.8 GB
Estimated space for timers set	2.3 GB
Estimated recording time after	35 h

ENCRYPTED SERVICES

This PVR supports only Free to air (FTA) channels, therefore it is not possible to receive Encrypted Services. If the Encrypted Services option is set to "Ignore", then only FTA channels will be added to the channel list. If "Store" is selected, Encrypted Services will be found and added to the list however it will not be possible to view these channels.

TECHNICAL SPECIFICATIONS

GENERAL CHARACTERISTICS	
Supply Voltage	220 - 240 V AC ~ 50Hz
Input Frequency	470Mhz-862Mhz
Maximum Power consumption	19W
Standby Power Consumption	11,7 W
Operating temperature	5°C to +45°C
Storage temperature	-15°C to +55°C
Humidity	25 to 75 % rel
Physical dimensions	360x280x48 mm
Weight	2820 g
HARDWARE CONFIGURATION	
Main Processor	STM5100
Flash Memory	4 MB
DDRDRAM	32 MB
DIGITAL CAPABILITIES	
Transmission Standards	DVB, MPEG2
DEMODULATION	
COFDM	with 2K/8K FFT mode.
FEC	for all DVB Modes.(Automatically found)
VIDEO	
ALL MPEG-2 MP@ML Video Decoder	
Aspect Ratio	4:3, 16:9 with pan vector
RGB analogue outputs.	BW ≥ 5MHz at 0.5 to 5 MHz sweep signal
CVBS analogue output.	
AUDIO	
MPEG1 Layer 1 and 2	
Sampling frequencies supported	32 kHz, 44.1 kHz, or 48 kHz.
Output can be programmed as STEREO, LEFT only or RIGHT only (on both outputs). This is useful for dual mono channels in order to select the correct sound track, which is stored for every channel.	
Wide dynamic range	16-bit resolution

REMOTE CONTROL	
Operating Distance	10m Max.
Batteries	2x1.5V Micro (R-03/AAA)
TUNERS	
2 xRF In	IEC-type, female (75Ohm)
2 x RF Out (loop through)	IEC-type, male (75Ohm)
HARD DISK	
Hard Disk capacity	80 GB
FRONT PANEL	
Display	VFD
Remote Control Keys	Standby ON/OFF,Record,Play, Menu, OK,PR+ / PR-, V+ / V -,Standby Led, Record Led
AUDIO R / L	
Connector	2 x RCA (R + L)
Output	2 Vrms, 0 dBfs / Z = 10 kohm
DIGITAL AUDIO	
Output	Optical SPDIF
A / V & DATA IN / OUT	
Scart	TV scart, VCR scart
RGB Video Output	TV scart
RGB Video Input	VCR scart
CVBS Video Output	TV scart, VCR scart
CVBS Video Input	VCR scart
Analog Audio Output	TV scart, RCA jack , VCR scart
Analog Audio Input	VCR scart
Digital Audio Output	Optical output
Data Interface	Scart RS 232, RS232 (max 115200 bps),9Pin

Please note, due to the continual improvement of our products these specifications are subject to change without notification.

TROUBLE SHOOTING GUIDE

Attention!

Please avoid unnecessary risks. Never attempt to repair a defective – or seemingly defective – device on your own. Repairs should only be performed by a specialised repair facility or an equally qualified specialist. Any electronic device is possibly susceptible to errors. However not every error represents a defect. Very often the cause for errors are faulty cables, connector cables/sockets or errors in connecting the device.

PROBLEM	POSSIBLE REASON	WHAT TO DO
The Led indicator does not glow	Mains cable is not connected	Check if the main cable is not plugged into the power socket.
No picture or sound	No signal or weak signal.	Check the Aerial and scart connections. Ensure that there are digital terrestrial broadcast in your area.
The settings you have made in the menus have not been changed.	The digital set-top box was unplugged without first going to standby.	Before unplugging your digital set-top box, make sure it is in standby
The remote control is not working.	<ul style="list-style-type: none">- The digital set-top box is in Stand by.- Remote control is incorrectly aimed.- Battery exhausted.	<ul style="list-style-type: none">- Press the standby key.- Check if anything is obstructing the front panel .- Change the batteries.
Forgotten PIN Number		Reinstall the unit with "First Time Installation". The PIN number will be defaulted to "0000"
Record does not start	No or weak Signal	Check aerial connections and ensure that the unit is being used in a location that where digital terrestrial broadcast can be received.
No PIP video	No or weak Signal. PIP Channel is radio or teletext based.	Check aerial connections and ensure that the unit is being used in a location that where digital terrestrial broadcast can be received. Use PIP+ / PIP- to choose a valid TV channel.