

Digital Terrestrial Receiver



User Manual

SA101D



1. Introduction	3	5. Configuration	10
About This User Guide	3	Receiver Upgrade	11
What is Freeview?	3	Parental Settings	11
Safety is Important	3	Audio Language	11
Safety Considerations	3	Timers	11
Cleaning	3	Electronic Program Guide	12
Ventilation	3	Favourites	12
Servicing	3	Additional Functions	13
Electrical Information	3	Information / Help key	13
Environmental Markings	4	Volume	13
2. Getting Started	5	Mute	13
Identification of Parts	5	Swap channels	13
Remote control	5	Text/MHEG	13
Digital receiver	6	Expert settings	13
Mains Adaptor	6	Manual channel search	13
The Remote Control	6	Clear all settings	13
Mains adaptor	6	6. Help and Advice	14
3. Connection	7	7. Technical Data	15
Switching on for the first time	7	8. Digital Help Line	15
4. Using the Receiver	8		
Channel List	8		
To Watch a channel	8		
To Delete a Channel	8		
To Edit a channel name	8		
To Lock a channel	9		
To Add a channel to your Favourites list	9		
Changing Channels	10		
Channel list	10		

1. Introduction

Thank you for purchasing this product which has been designed and manufactured to give you many years of trouble-free service.

About This User Guide

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

What is Freeview?

It is the new, free digital service currently providing up to 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 receiver 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.

►► **Note:**

Keep this information in a safe place for future reference.

Safety Considerations

►► **Note:**

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

- Do not use the receiver in humid or damp conditions.
- Do not allow the receiver to get wet.
- Do not expose the receiver to dripping or splashing.
- Do not place water filled objects such as vases on top of the receiver.
- Do not place naked flame sources, such as candles, on top of the receiver.

Cleaning

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

Ventilation

- The slots and openings on the receiver are for ventilation. Do not cover or block them as it may cause overheating.
- NEVER let children push anything into the holes or slots on the case.

Servicing

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

● Electrical Information



Important information:
Must be read and understood.

Warning:

Read these electrical safety instructions carefully before connecting the adapter to the mains supply.

- This digital receiver is supplied with a mains adapter.
- This mains adapter is designed to operate on 230V AC 50Hz supply only. Connecting it to any other power sources may damage the receiver.
- The mains adapter is designed for indoor use only.
- The mains adapter is a sealed unit. There are no user serviceable parts inside and it does not require any electrical adjustments.
- Do not attempt to open the mains adapter.
- If the mains adapter is not suitable for your socket, or becomes damaged, it must be replaced and disposed of in a safe and environmentally protective way. Always refer to qualified personnel.
- Periodically inspect the mains adapter for damage. Do not use if faults or damage are found. Refer to qualified personnel.



This symbol indicates that the adapter is a Class II appliance and does not require an earth connection.



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



This symbol indicates that the adapter conforms to CE regulations.

● Environmental Markings



Your product has been designed and manufactured with high quality materials and components, which can be recycled and reused.

When this crossed-out wheeled bin symbol is attached to a product or the packaging, it means the product is covered by European Directive 2002/96/EC.

Please inform yourself about the local separate collection system for electronic products.

Please act according to your local rules and do not dispose of your old products with your normal household waste. The correct disposal of your old product will help prevent potential negative consequences for the environment and human health.



The "Material recyclability symbol " affixed on package cardboard and user manual means these parts are recyclable. So do not dispose of them with your normal household waste.



The "Material recyclability symbol " affixed on plastic packaging parts means these parts are recyclable. So do not dispose of them with your normal household waste.



The "Green Dot" affixed on cardboard means that a financial duty to the "Avoidance and Recovery of Packaging Waste" organization has been paid.

2. Getting Started

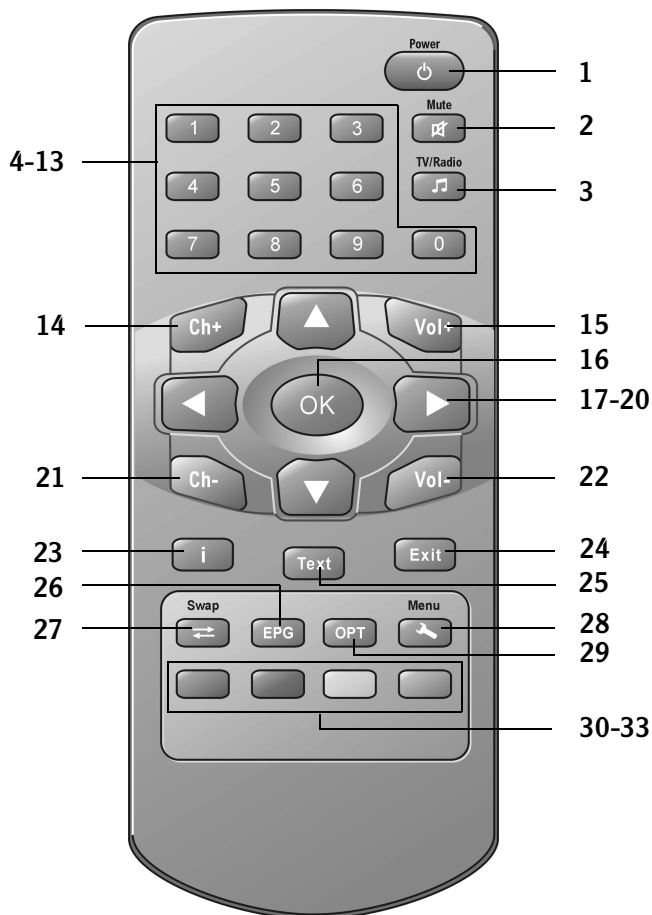
Remove your receiver carefully from the box and remove the packaging from each part.

You will find the following items in the box:

- Digital receiver
- SCART extension
- Infrared sensor
- Remote control (1 battery already inserted)
- Power supply 230 V AC/50 Hz to 12 V DC
- User Manual (This publication)

● Identification of Parts

Remote control



Remote control keys

- 1 **On / Off**
- 2 **Mute key**
Mute the audio; press again to restore volume at original level
- 3 **TV/Radio key**
Toggle between TV and radio mode
- 4-13 **Number keys**
Direct channel selection
- 14, 21 **Programme keys + / -**
Switch to next / previous channel
- 15, 22 **Volume keys + / -**
Increase/decrease audio volume
- 16 **OK key**
Confirm current selection
- 17-20 **Cursor keys**
For navigation
- 23 **Info key**
 - show infobox
 - show help in menu
- 24 **Exit key**
 - Abort current action
 - Exit menu
- 25 **Text key**
Display short info
- 26 **EPG key**
Show EPG
- 27 **Swap key**
Toggle between the two most recently tuned in channels
- 28 **Menu key**
Show on screen display (OSD)
- 29 **Opt key**
Display selection menu (for audio and video stream selection)
- 30-33 **Colour keys**
EPG functionality

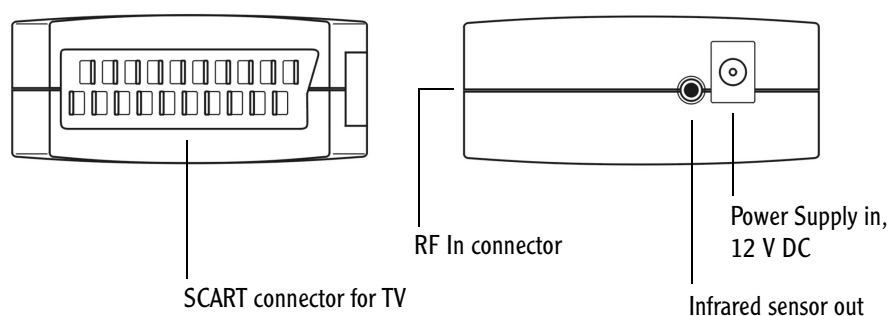


Batteries are removable from the remote using common household tools (like a screwdriver...)

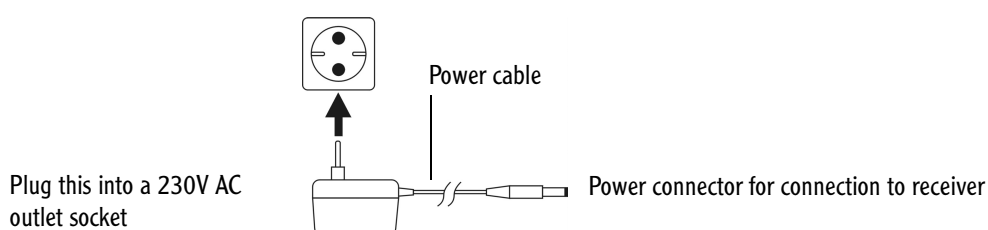
The batteries supplied do not contain hazardous substances such as Mercury, Cadmium, or Lead.

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

Digital receiver



Mains Adaptor

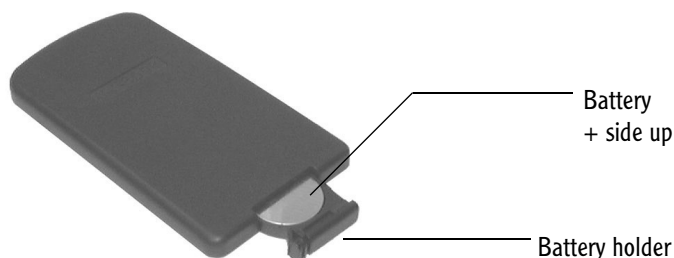


● The Remote Control

The Remote control unit is supplied with its battery fitted. There is a piece of clear plastic covering the battery that must be removed before the control will operate.

To do this remove the battery as shown below.

After removing the piece of clear plastic reinsert the battery into the remote control.

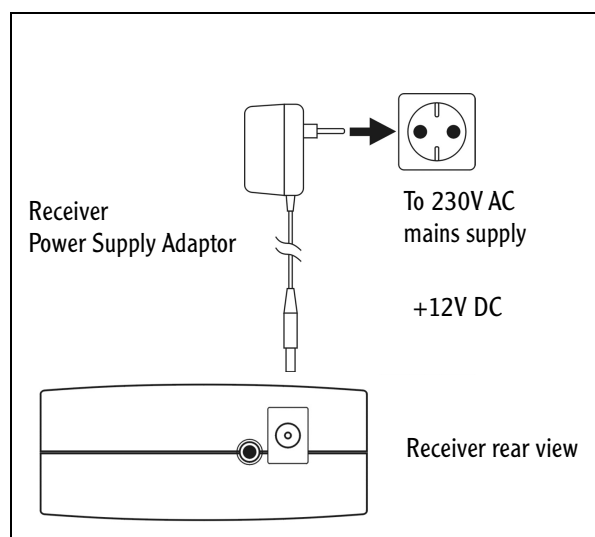


● Mains adaptor

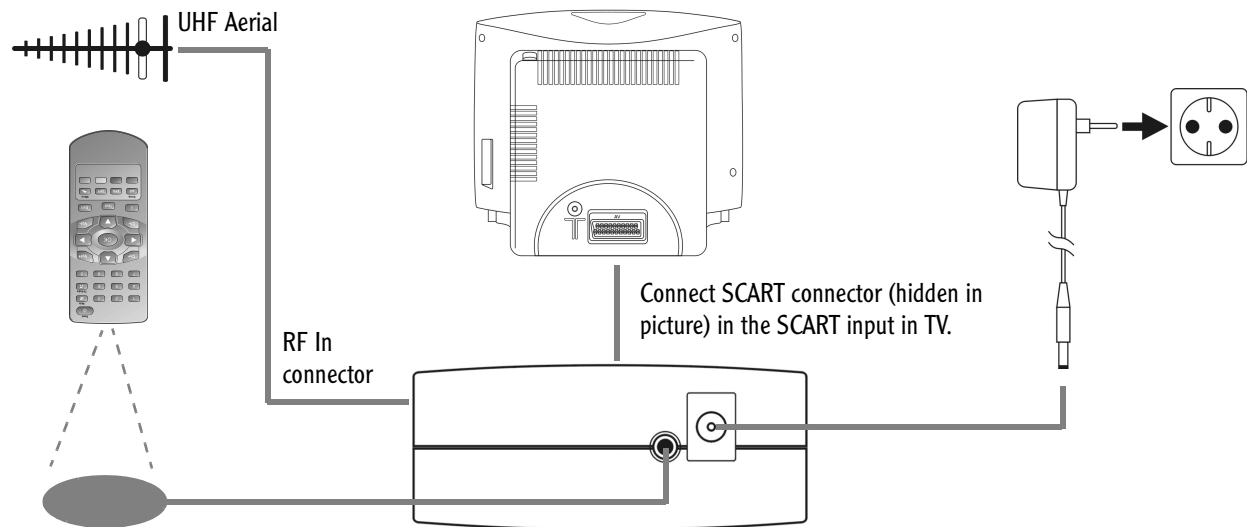
A mains power adaptor has been supplied for powering this equipment. It has an integral cable terminated in a power connector to plug directly into the 12V connector on the back of the Digital receiver. The adaptor is shown on the right.

Plug the cable into the 12V DC connector on the rear panel. Insert the adaptor body into a suitable mains outlet socket.

Note that the only recommended way to disconnect the Digital receiver from the mains supply is to remove the adaptor from the mains socket. If the mains socket is fitted with a switch, this could be used instead.



3. Connection



Connect IR sensor cable with Infrared sensor out.
Make sure, that there is no obstacle between remote and „sensor eye“.

● Switching on for the first time

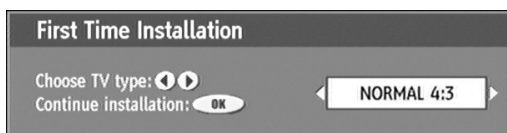
1. Connect your equipment according to the appropriate system diagram given on the previous pages and power up/turn on the equipment.

During initialisation the indicator on the front panel will flash green for a few seconds and then be lit and remain green. If the indicator is red (stand by) press the **Power** key on the remote control.

The front panel indicator will now be lit green.

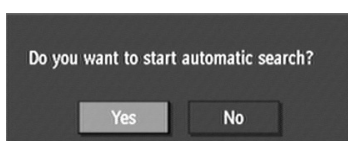
2. To switch off the receiver, press **Power** again.

With the receiver on, the **FIRST TIME INSTALLATION** window displays. You are asked to enter the type of TV set you are using.



3. Use the ◀ ▶ keys to choose either **NORMAL 4:3** or **WIDESCREEN 16:9**.
4. Press the **OK** key to start installation.

The following message displays.



5. Use the ◀ ▶ keys to highlight **Yes** and then press the **OK** key.

The system then starts to search all channels for available radio and TV stations. This may take a few minutes.

The stations found are listed in the centre panel.

A progress bar below the listing panel shows the channels searched so far within the scan range (21 - 68).



When scanning has finished, the received stations are automatically arranged in numerical order.

The TV set then plays the station at the top of this sorted list. The Info box for the TV station playing displays for a short time. The TV station continues to play the program.

►► Note:

Your receiver, as with any electronic equipment, consumes power. In order to reduce power consumption, please switch your receiver to standby when not in use. If you will not be using your receiver for a long period of time, we recommend unplugging it from the mains outlet.

4. Using the Receiver

● Channel List

The Channel List presents a list of all channels found during the channel search described earlier. The list comprises radio and TV channels. They have been allocated a channel (reference) number and are listed in this numerical order.

The Channel List can be used to watch and listen to the selected channels. You may delete channels from the list, edit the name of the channel, set a password to access the channel, and to add the channel to your list of favourite channels.

1. Press the **OK** key to display the **Channel List**, see below for an example. This shows a TV channel selected. When a radio channel is selected the picture frame will be blank.



To Watch a channel

1. Use **▲ ▼** to navigate through the channel list until you reach the channel you want to watch.
2. Use **◀ ▶** to step along the options until you reach **Watch**.
3. Press **OK** key to watch the selected channel in the picture window located at the top right corner.
4. To watch the channel on full screen press **OK** again or press **Exit**.

To Delete a Channel

1. Use **▲ ▼** to navigate through the channel list until you reach the channel you want to delete.
2. Use **◀ ▶** to step along the options until you reach **Delete**.
3. Press **OK** to delete the selected channel in the picture window, top right corner.

A confirmation box opens up.



4. Answer **Yes** or **No** as required.

If you answer **Yes** the channel will be removed from the list and will no longer be available to watch/listen to.

To Edit a channel name

1. Use **▲ ▼** to navigate through the channel list until you reach the channel you want to edit.
2. Use **◀ ▶** to step along the options until you reach **Edit Name**.
3. Press **OK** to select the edit name function.

The selected channel name appears in a text box that opens below the picture window. The first character of the name is enclosed in square brackets.



4. Use the **Number keys** (0 - 9) to modify this character using the table below.

Remote key	1	2	3	4	5	6	7	8	9	0
Press once	1	A	D	G	J	M	P	T	W	SPACE
Press twice	.	B	E	H	K	N	Q	U	X	0
Press three times	,	C	F	I	L	O	R	V	Y	+
Press four times	:	2	3	4	5	6	S	8	Z	-
Press five times	;	a	d	g	j	m	7	t	9	*
Press six times	!	b	e	h	k	n	p	u	w	/
Press seven times	?	c	f	i	l	o	q	v	x	\$
Press eight times	@	A	D	G	J	M	r	T	y	%
Press nine times	/	B	E	H	K	N	s	U	z	&

- Use ◀ ▶ to step along the characters of the name and modify each as required. The new name can be shorter or longer than the existing name.
Maximum length is 16 characters.
Press **OK** key to confirm the new name.

To Lock a channel

This function allows you to set a password to gain access to selected channels.

►► Note:

When locking individual channels also lock the menu.

- Use ▲ ▼ to navigate through the channel list until you reach the channel you want to lock.
- Use ◀ ▶ to step along the options until you reach **Lock**.
- Press **Ok** key to set the lock.

The lock symbol appears alongside the selected channel in the list. Enter your **Lock Key** (0000 is the default setting. This may be changed in the Configuration menu - See page 10).

- Press **OK** key again to remove the lock.

The next time you select to watch this channel you will be asked for a password - the **Enter Lock Key** window will be displayed for this.




You will only be able to watch this channel if you enter a valid number. If you enter a wrong number the Wrong Lock Key box will be displayed briefly.

When a valid number is entered the channel will be played.

To Add a channel to your Favourites list

- Use ◀ ▶ to step along the options until you reach **Favourites**.
- Use ▲ ▼ to navigate through the channel list until you reach the channel you want to add to your favourites list.
- Use ◀ ▶ to select one of the available Favourites lists.



1. Press **OK** key to set this channel as a favourite to the selected list.
2. A favourites symbol  appears alongside the selected channel in the list. The symbol indicates the number of the favourites list.
3. Press **OK** key again to remove from the favourites list. See page 12 on how to activate the favourites lists.

►► **Note:**

A channel can be in more than one of the lists.

Changing Channels

You can change channels by using any of the following methods:

Channel browse keys

Use the **Ch+** and **Ch-** keys (channel up/down) to browse up and down the available channels.

Number keys (0-9)

The complete channel number must be entered within 3 seconds of the first digit entry.

For example, to watch channel 43, press key 4 and then key 3.

The entered channel number will be displayed in top left of the TV screen and the TV will show the entered channel.

Channel list

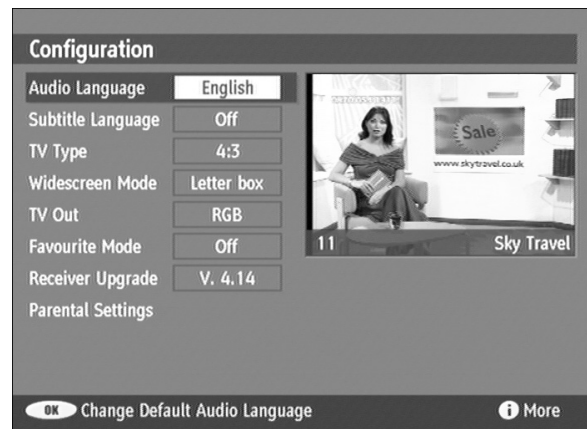
1. Press **OK** key to view the list of available channels in the Channel List
or
Press **Menu** to display the Main Menu. There select **Channel List** and press **OK** key.
2. Select the required channel using the **▲ ▼** keys.
3. Press **OK** key to view/listen to the channel in the window. Press **EXIT** to go to full screen.

5. Configuration

The Configuration window allows you to customise various settings.

1. Press **Menu** to display the Main Menu. There select **Configuration** and press **OK** key.

You can select from the available options for each of the items in the Configuration window. See below for a typical display.



The text along the lower banner changes according to the item selected.

1. Use the **◀ ▶** keys to display the options in turn.
2. Use **▲ ▼** to navigate through the configuration list until you reach the item you want to re-configure.

Audio Language:	You can choose the default played audio language if a program is broadcasted in more than one language.
Subtitle Language	If subtitles are available, you may choose the language here.
TV-Type:	Choose the type of TV you have 4:3 / 16:9.
WideScreen Mode:	Set your preferred mode for movies or shows that are broadcast in 16:9. Note: If your TV type is set to Widescreen this function is not available.
TV Out:	Output can either be RGB, CVBS or S-Video. Effect will be seen instantly on TV
VCR Out:	Output can either be CVBS or S-Video.
Favourite mode:	Turn Favourites Mode on/off. Select one of the Favourite Lists.
Receiver Upgrade:	To download software upgrades from broadcasters or the manufacturer to further enhance the current service.
Parental Settings:	Create viewing restrictions on all available channels. Once activated a lock key code must be entered to view the TV channels.

- Use ◀ ▶ to step through the options until you reach the new setting.

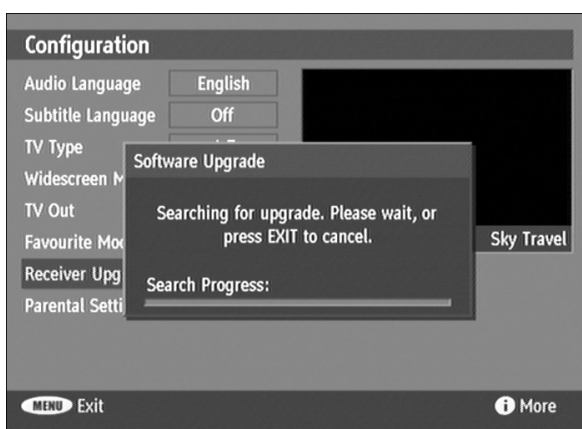
Some configurations require further information to be entered in subwindows which are displayed when these items are selected.

- Press **Exit** to close the configuration window and return to the previously displayed channel.

The configuration settings are stored automatically as they were set at the time you pressed the **Exit** key.

● Receiver Upgrade

When Receiver Upgrade is selected for re-configuring you will be presented with the following window:



- The upgrade will be carried out automatically and the listed Receiver Upgrade version number will be changed accordingly.

● Parental Settings

The Parental Setting feature allows you to password protect groups of menus or allow access to all menus.

- Use ▲ ▼ to highlight **Parental Settings**.
- Press **OK** key and enter the Lock Key when asked for it (default is 0000).

The window below displays:



- Use ◀ ▶ to step through and display the available options:

Maturity Lock: Select an age for children or a category for which viewing will be possible without entering the lock key.

Menu Lock: Select **Main Menu** or **Installation** to lock these menus.

- Use ▲ ▼ to highlight **Set Lock Key**.

- Press **OK** key.

A second sub-window displays.

- Enter the new **Lock Key** code in the code entry box using the number keys (0-9).

Input now switches to the **Confirm** code entry box.

- Enter the same Lock Key code in this window using the number keys (0-9).

The second sub-window displays Key Lock Changed and then closes.

- Press **Exit** to Apply Setting and return to the Configuration menu.

● Audio Language

To check what is available:

- Press the **Menu** key to display the Main menu.
- Use ▲ ▼ to select **Audio Menu**.
- Press **OK** key.
- If alternatives are available use ▲ ▼ to select the desired language.
- Press **OK** key to apply these settings and exit this function. This change is only temporarily for the current program.

● Timers

You can use the Timer function to turn your receiver on and off in Stand-by and also to automatically switch channels when your receiver is on.

Press the **Menu** key to display the Main menu.

- Use ▲ ▼ to select **Timers**.
- Press **OK** key.

The **Programme Timers** menu displays.



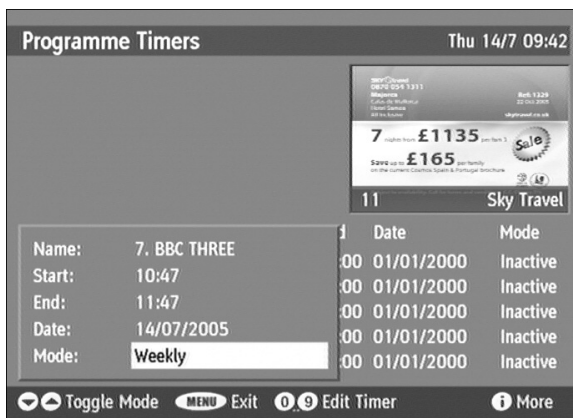
►► Note:

To record on a VCR / DVD R you must also set the timer of the VCR / DVD R to record the desired program in the normal way. Make sure the timer program of the VCR / DVD R is set to the correct EXT socket for the receiver. To play back a recording from the VCR / DVD R, please make sure the receiver is in standby.

Use ▲ ▼ to select one of the five timer settings available.

3. Press **OK** key.

The Timer Menu displays showing the Name box for the channel highlighted for selection.



4. Use ◀ ▶ to step through the list of loaded channels until the channel to be set for timed turn on/off displays.
5. Use ▲ ▼ to step to the **Start** time.
6. Use the number keys (0 - 9) to set the start time
7. Use ▲ ▼ to step to the **End** time.
8. Use the number keys (0 - 9) to set the end time
9. Use ▲ ▼ to step to the **Date**.
10. Use the **Number keys** (0 - 9) to set the date
11. Press **OK** key to apply changes and move the entered data to the main timing list, as shown on the screen.

►► Note:

When setting a Timer for a PIN-protected service, you are asked to enter the PIN-Code (Lock-key) to confirm the Timer

● Electronic Program Guide

The Electronic Program Guide provides the user with a brief description of the currently selected program in the list of channels. The five channels listed are a window on all stored channels.

1. To display the Electronic Program Guide, press the **EPG** key. An example of an EPG window is given below.



2. Use ▲ ▼ to navigate through Channels.

A brief description of the highlighted channel name appears in the upper left panel of the window with its name and broadcast time.

3. Use ▶ to step to the **Next Event**.

The upper left panel now contains the details of the **Next Event**.

Reminder: When **Next Event** has been selected, there is an opportunity to set a reminder for a particular program. Press **OK** on the selected program and a clock symbol is shown.

While viewing a channel, a reminder displays that the selected program is about to start.

4. Use ◀ to return to the **Current** Event.
5. Press the yellow key to view a schedule of all events.
6. Press **OK** key to watch the currently selected event in the upper right panel in this window.
7. Press **Exit** to view the current channel on full screen.

● Favourites

When Favourites are enabled (see the Configuration window earlier), then only the channels that you selected as

your favourite channels will be stepped through when you use the channel browse keys, **Ch+** and **Ch-**.

►► Note:

Even with Favourites enabled, you can still choose from all available channels by either entering the channel number by using the **Number keys** or from the service list.

● Additional Functions

Information / Help key

The **Info** key has two functions according to the current status.

When a TV or Radio channel is playing:

1. Press the **Info** key to display program information:
 - Channel name and number.
 - Current program name, start and end play times.
 - Next program name and start and end play times.
 - Signal level for current channel.
 - Time of day.
 - TV or Radio icon.
2. Press the **Info** key again while program information displays to get the EPG description of the programm playing.
3. Press the **Info** key again to close the window.

When no channel is playing:

4. To get help about the current selection in a window, press the **Info** key for relevant information.

Volume

To increase or decrease the volume of the channel playing, press the **Volume +/-** keys respectively. The maximum volume is set by the volume control setting on the TV.

A volume slider icon appears on the TV screen for visual feedback.

Mute

Press the **Mute** key to turn off the sound. Press again to restore the sound to the previous level.

Swap channels

Press the **Swap** key to switch between the current and the previously selected channel.

Text/MHEG

With the text key you can access certain Text and Multimedia contents.

MHEG (Multimedia and Hypermedia Expert Group) is a standard that offers you information about various contents like life style, shopping or sports events and results.

1. Press the **Text** or **RED** key to bring up the text menu for the current channel.
2. Use the **▲ ▼** keys to navigate through the menu.
3. Use **OK** key to select an item.

Additionally you now have the four colour keys (Red, Green, Yellow and Blue) to navigate through the content of the page. How they will be used will vary for different stations; read their meaning from the bottom line (usually) or wherever they appear on the screen and use them as required.

4. Press the **Text** key again to leave the MHEG, or press the **Exit** key.

● Expert settings

Manual channel search

If the automatic search does not find all channels expected, you may search a channel manually.

1. Press the **Menu** key for the **Main Menu**, there select **Installation**.
2. Select **Manual Search**.
3. In the upcoming window, enter the number of the broadcast channel you intend to search for digital TV or Radio signals.
An indication of the signal level for the entered channel is shown at the bottom of the window.
4. Press **OK** key to search for channels.

Channels found are automatically added to the channels list.

Clear all settings

First time installation can be initiated again, if necessary.

1. Press the **Menu** key for the Main Menu, then select **Installation**.
2. Select **First Time Installation**.

The receiver will switch off for a moment. When the LED on the front panel changes to green, you may start installation again.

6. Help and Advice

If you experience an operating problem with your Digital receiver, please refer to the trouble-shooting table below and then the notes that follow.

Error	Possible cause	Remedy
No picture and no sound	No channel list or wrong channel list	Do an automatic station scan
	Short circuit in aerial lead	Turn off receiver, remove short circuit and then turn on again
	Defective or missing connections	Check all connections/connectors
	Poorly adjusted aerial	Adjust aerial
No picture or picture is blocky in appearance	Aerial too small	Use a bigger aerial
	SCART connector not fully plugged in	Check SCART connector
Sound but no picture	Aerial poorly adjusted or defective	Check aerial
	Program is being broadcast with altered parameters	Do an automatic search
	SCART connector not fully plugged in	Check SCART connector
Cannot receive station that you could receive before	Program is no longer broadcast	None
	Interference with „DECT“ phones	Move phone away from the receiver to a location where interference ceases
	Program is being broadcast with altered parameters	Do an automatic search
Remote control is not working	Obstacle in between remote control and Infra-red sensor	Remove obstacle
	Transport stream defect	Unplug receiver and then plug in again
	Flat battery	Replace battery
Certain stations cannot be received from time to time	These services are not transmitted 24 hours a day and can sometimes be unavailable. This is not a fault.	
Poor image quality or no colours	Wrong TV SCART out signal	Try changing from RGB to CVBS or vice versa (see Configuration)
	Inappropriate video type selected	Set video output according to TV set video requirements (see Configuration)

If none of the above suggestions seem to work, try switching your Set Top Box off and then on again. If this does not work, contact either your supplier or a qualified repair technician. Never attempt to repair your set top box yourself.

7. Technical Data

- Video and Audio out via SCART
- TV SCART video out: CVBS, Y/C, RGB
- VCR SCART video out: CVBS, Y/C
- switching signal: 0 / 6 / 12V

Power Supply

- Power supply 230VAC/50Hz to 12VDC

Accessories

- Digital receiver
- SCART extension
- Infrared sensor
- Remote control (1 battery already inserted)
- Power supply 230 V AC/50 Hz to 12 V DC
- User Manual (This publication)

Temperature

- Temperature-Range +5 °C...+40°C

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

The product complies with the following European council Directives: 73/23/EEC, 93/68/EEC and 89/336/EEC.



8. Digital Help Line

Dixons - Digital Helpline

Please contact the digital helpline if you have any problems with installation or operation of this receiver:

08700 100 484

lines open

- mon - fri 8.30am to 8.00pm
- saturday 9.00am to 6.00pm
- sunday 9.00am to 5.30pm
- calls charged at the National Rate

FREEVIEW RECEPTION ENQUIRIES

- Freeview; www.freeview.co.uk
- 08708 80 99 80
- calls charged at the National rate

Digital TV Group: www.DTG.ORG.UK