CONTENTS

1.INTRODUCTION

Introduction.

Thank you for purchasing this product. It will give you good service if you take note of all safety notices and recommendations.

Disposal of waste.
When this unit has reached the end of its useful life it should be recycled, "see page 3" All packaging should be retained until you are satisfied that it is working to your satisfaction.
Do not let pets or children play with discarded packaging or used batteries.

Contents of appliance.
Set top Box
Remote Control.
2 x "AAA" cells
This instruction booklet
Quick Start Guide
Scart Lead
Aerial lead.

If anything is missing please contact the Technical Help Line for advice. "See page 17"

Power Connector
If the mains connector needs to be replaced due to damage, see opposite for wiring instructions.
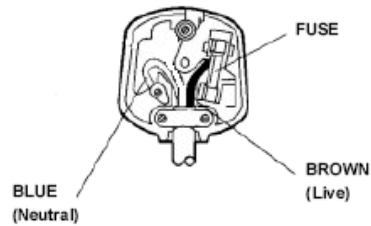
IMPORTANT
For your safety. If the mains plug needs replacing, proceed as follows :-
DO NOT CONNECT THE CENTRE PIN (EARTH).
Connect the Blue wire to the (N) terminal (this may be coloured blue).
Connect the Brown wire to the (L) terminal adjacent to the fuse (this may be coloured brown).
This appliance must have a 3A fuse fitted.

Dispose the removed plug immediately.

Do not place the removed plug into any live mains socket

2. SAFETY PRECAUTIONS

Power Source.
This unit should only be connected to a 220-240V AC 50 Hz power supply. Do not connect to any other supply.

Power Lead.
Do not place the lead where it may be stepped on or tripped over. Do not place heavy objects on the lead. If the lead becomes cut or damaged, please disconnect the unit from the mains supply and call the Technical Help Line for advice. "See page 17"

Location.
Place on a solid base such as a shelf or in a Tv cabinet or similar. Do not place near heat sources such as radiators, fires or similar.
Do not block ventilation holes or place in a location that does not allow a free airflow.
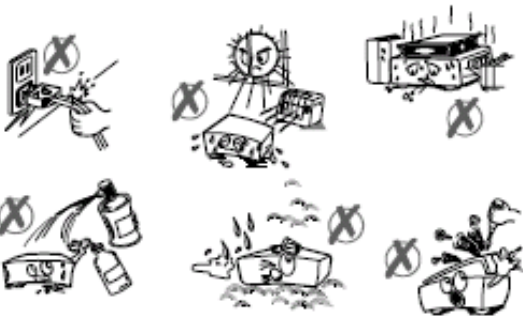Do not place the unit near water or in high humidity areas. Avoid splashing. If the unit does get wet please call the Technical Help Line for advice. "See page 17"

Do not place any objects into the ventilation slots.

Should any of the above take place, do NOT open the unit yourself. You will invalidate your warranty and cause a possible safety hazard, as there are high voltages inside.

Lightening
During thunderstorms or going on holiday, it is recommended that the aerial (if outdoor) is disconnected, to prevent damage to the aerial input circuits.

WARNING
DO NOT OPEN
RISK OF ELECTRICK SHOCK

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 to persons.

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.

Correct disposal of this Product
(Waste Electrical & Electronic Equipment (WEEE)
The crossed out "Wheelie bin" is intended to show that this appliance must not be placed with ordinary household waste at the end of its useful life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please keep separate from other household waste and recycle it responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where you purchased the product, or their local government office for details of where and how you can take this item for environmentally safe re-cycling.
Business users should contact their supplier and check the terms and conditions of the purchase contract. This product must not be mixed with other commercial wastes for disposal
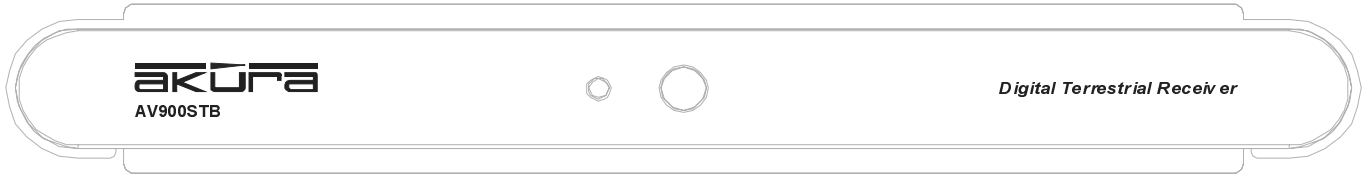
Battery Disposal.
When the batteries in the remote control are worn out, do NOT break open or throw on a fire. Do not place in household waste. Contact your local waste authority for advice.
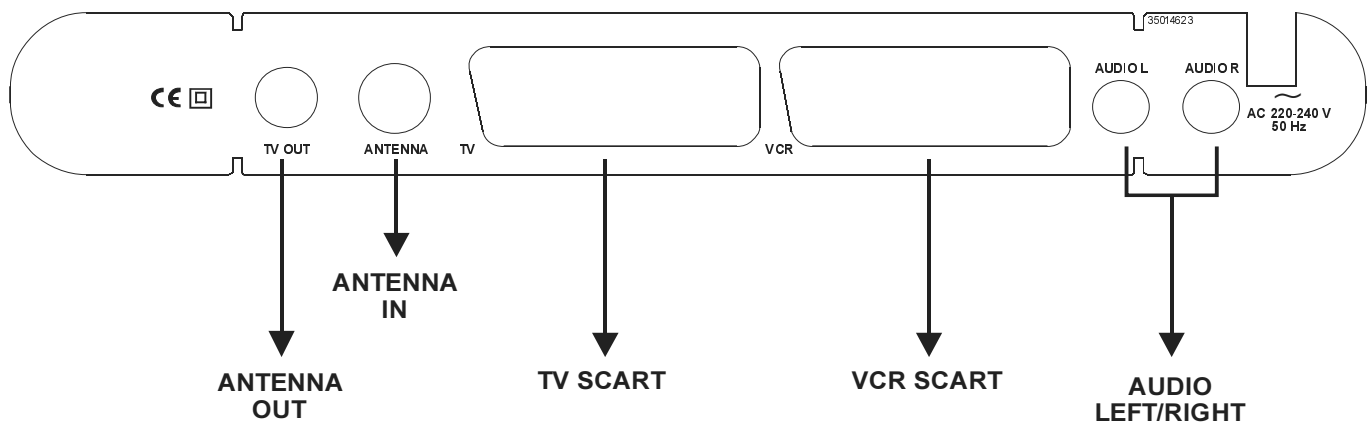
Cleaning.
Do not use chemical cleaners. Use a dry duster. If there are stubborn stains, use a damp cloth with dilute soap.

YOUR DIGITAL RECEIVER

FRONT PANEL:

akura
AV900STB

Digital Terrestrial Receiver

REAR PANEL:

35014623

AUDIO L   AUDIO R

AC 220-240 V
50 Hz

TV OUT   ANTENNA   TV   VCR

ANTENNA
IN

ANTENNA
OUT

TV SCART

VCR SCART

AUDIO
LEFT/RIGHT

3. PREPARING

3.1. REMOTE CONTROL

First open the battery cover on the underside of the remote control. Put in both batteries 1.5Volt (RO3/AAA) referring to the imprinted symbols (+/-) in the battery case and put on the battery cover again. While using the remote control, direct it towards the front side of the receiver. 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. Please use only the leak proof batteries. It is best to remove the batteries from the remote unit if you will not be using the remote control unit for long time.

3.2. CONNECTIONS
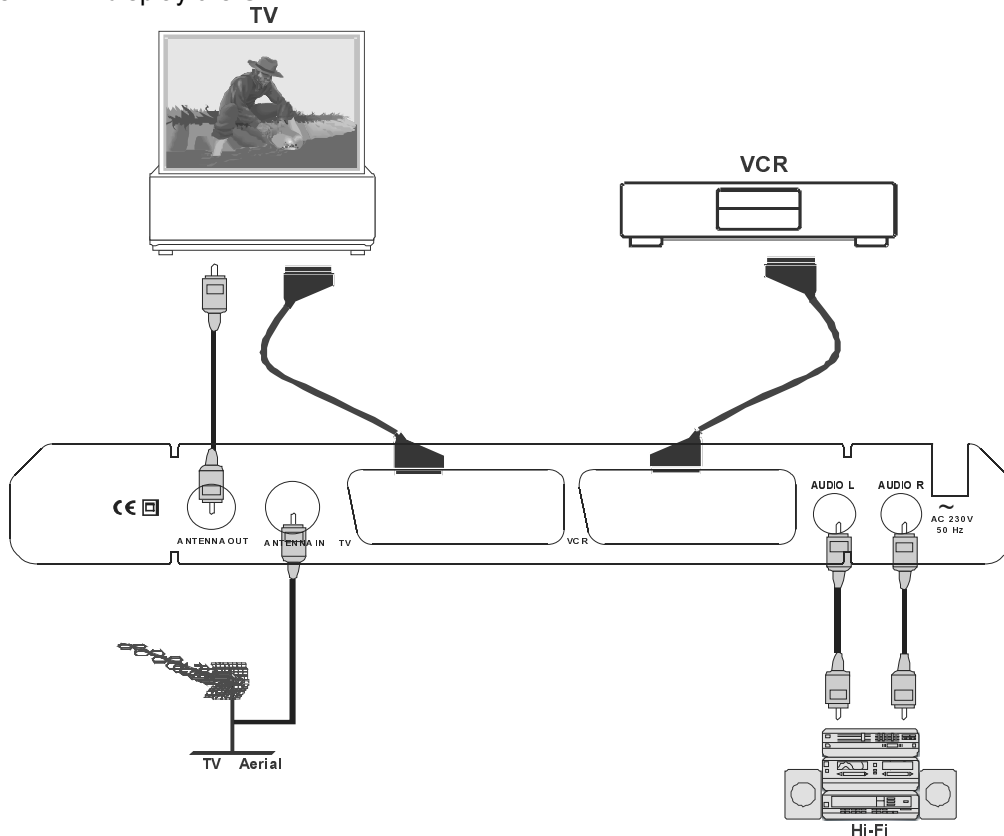
3.2.1. CONNECTION TO THE TV

Connect your set top box (STB) with the scart lead supplied, from the TV socket on the STB to the scart socket on your Tv. If your Tv does not have a scart socket, unfortunately this box will not be suitable.
This STB has RGB or Cvbs outputs from the scart socket. If your Tv has RGB inputs you may select this in the STB Configuration menu for best results.

3.2.2. CONNECTION TO A VCR

DVB-T receiver scart can be connected to a VCR'S scart input and VCR's "scart output". TV can be connected to a TV scart input.

1) Connect one end of Scart cable to TV Scart connector on the STB and the other end of to a Scart connector on your TV

2) Connect one end of Scart cable to VCR Scart connector on the STB and the other end of to a Scart connector on your VCR

➢ **When the receiver is in standby mode:** When connected device (i.e., DVD, VCD) is switched on, the device will be automatically routed to TV.

➢ **When the receiver is on:** If the DVD or VCD is selected this will be routed to the TV. If the DVD or VCD is not selected the TV will display the STB

3.2.3. PUTTING INTO OPERATION

Ensure that all connections have been made before connection to the mains supply. Plug the STB into the mains supply and a RED Led will light (standby mode) on the front panel. Wait for about 7 seconds to allow the STB to "boot". Press the Standby button and the LED will turn Green.

3.2.4. SOCKETS

- TV SCART
- VCR SCART
- 2 x Coax connectors. ANT IN (aerial input). TV OUT. Rf loop through to Tv or VCR, note this is NOT an STB output.
- 2 x RCA (phono) Audio output L/R to external Hi Fi.

4. REMOTE CONTROL FUNCTIONS

4.1 REMOTE CONTROL LAYOUT

TV/DTV (3)

Stand-by (1)

Numeric (7)

Wide (15)

Programme up/
Programme down
(10)

Volume up/
Volume down
(9)

Info/Help (16)

Page up/Red (11)

Up (5)

Left (5)

Page down/Green (12)

Exit (18)

Subtitle (19)

TV/DTV   MUTE

1   2   3

4   5   6

7   8   9

WIDE   0   GUIDE

P-   P+

V-   V+

i   MENU

SELECT

EXIT   TEXT

SUBTITLE

Mute (2)

Guide (8)

Menu (4)

Blue (14)

Select (6)

Right (5)

Down (5)

Yellow (13)

Text (17)
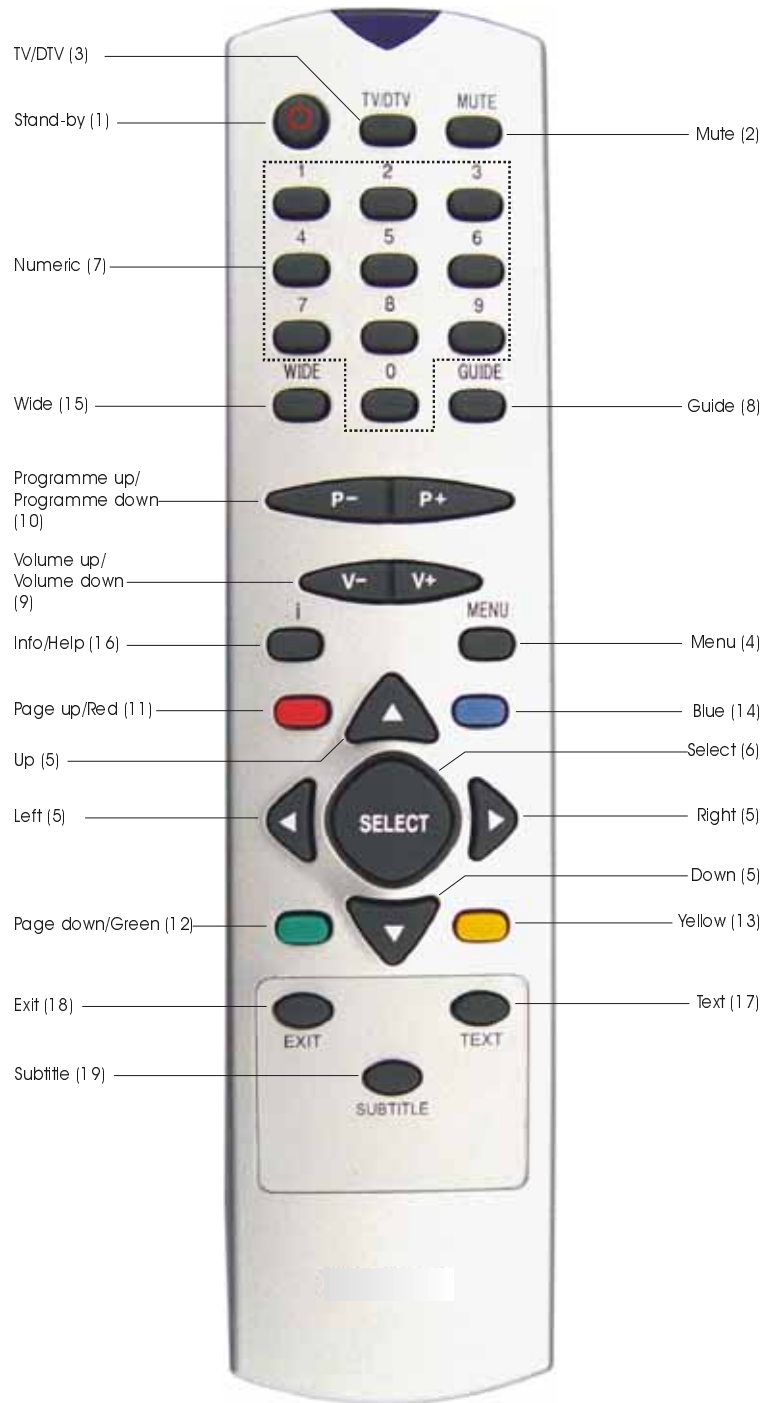
Button		Function
1	**Standby**	Turns STB on and back to Standby
2	**Mute**	Switches audio On and Off
3	**TV/DTV**	Exit most menus to return to television viewing
4	**Menu**	Display the Main Menu. Exits menus
5	**Up, Down, Left, Right**	Navigates the Menu items
6	**Select**	Enters selection in a menu
7	**Number keys**	Change channels
		Enter PIN code
		Enter numbers and letters into menus
8	**Guide**	Display and exit electronic programme guide (EPG)
9	**V+, V-**	Adjusts Audio volume
10	**P+, P-**	Change channels
11	**Page Up/Red**	Move up a page through channel list
		Select red option in Teletext
12	**Page Down/Green**	Move down a page through channel list
		Select green option in Teletext
13	**Yellow**	Select yellow option in Teletext
14	**Blue**	Select blue option in Teletext
15	**Wide**	Select screen format (4:39 or (16:9)
16	**I**	Displays menu help
17	**Text**	Selects Teletext and switches Teletext off.
18	**Exit**	Exits menu 's
19.	**Subtitle**	Turns Subtitles On and Off

5. MENU INTERFACE

FIRST TIME INSTALLATION

When the box is started from standby for the first time there will
be no channels stored in memory. A "First time Installation"
menu will be displayed. Select the TV type (screen format).

Press SELECT and select YES, press Select again to start
Automatic search. The STB will start to search for all the
stations in your area and will store them.

5.1 MAIN MENU

The Main Menu is accessed by pressing the Menu button.
The items accessed in the Main Menu are:

1.) Channel List
2.) Installation
3.) Configuration
4.) Timers
5.) Language
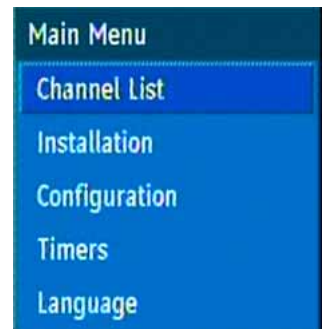
5.1.1 CHANNEL LIST

The following operations can be performed
in this menu

1. Navigating the whole list of channels
2. Deleting unwanted channels
3. Renaming channels
4. Adding locks to channels
5. Setting the favorite list

Channel Table is where the channels are managed.

5.1.2 NAVIGATING THE WHOLE LIST OF

CHANNELS

In the channel table "▲/▼" moves the cursor to
select the previous or next channel. RED and
GREEN buttons select page up and down.
To watch a specific channel, highlight it using the
"▲/▼" buttons or the Red/Green buttons, then press SELECT, if the SELECT box is highlighted. The name and
number of the selected channel will be displayed in the top-right corner of the screen.
If the selected channel is password protected, a pop up menu will be displayed. If the correct code is entered the
selected channel can be watched. After the Password box has disappeared you can use the "▲/▼" buttons to
navigate to other channels. The scroll bar in the middle of the screen shows the relative position of the current
channel with respect to the whole list.

5.1.3 DELETING UNWANTED CHANNEL

To delete a channel highlight it using "▲/▼" RED/GREEN, then highlight the "Delete" button using "◄ / ►"and press
SELECT. A message is displayed to confirm your decision, if you still want to delete press SELECT once more and
the channel will be deleted, the operation will be cancelled if you select "NO".

5.1.4 RENAMING CHANNELS

To rename a specific channel, the channel must be highlighted. Select "Edit Name" button and press SELECT. The name appears on the right side of the menu with the first character highlighted. By means of " ◄ / ► / ▲ / ▼ " keys the characters can be changed.Pressing MENU cancels the editing and SELECT saves the new name.

5.1.5 ADDING LOCKS TO CHANNELS

Channel Locking provides a password-protected access to channels selected by parents. In order to lock a channel you should know the parental Lock password (set to 0000 in the factory and can only be changed from the Configuration Menu), highlight the channel to be locked and select the "Lock" button, when SELECT is pressed a password dialog is displayed. Enter the parental Lock code, press SELECT and the Lock icon will be displayed in front of the selected channel. Repeat the same operation to cancel the Lock.

5.1.6 SETTING FAVOURITES

There will be some channels that you tend to watch more often and some only occasionally. The favourite mode allows the most-watched channels to accessed more easily, leaving the less-watched channels accessible but out of the way. Any channel can be a favourite channel and the Channel List menu is used to label those channels you want as favourites. Display the Channel List menu screen by highlighting Channel List on the Main Menu and pressing [SELECT].

Use the [LEFT] or [RIGHT] keys to highlight the FAVOURITE button at the base of the screen and then, in turn, highlight each channel that is required to be a favourite channel, using the [UP] and [DOWN] keys (and the [PAGE UP] or [PAGE DOWN] keys), and press [SELECT]. A channel selected as a favourite appears in the main channel list with a favourites icon against the channel name.
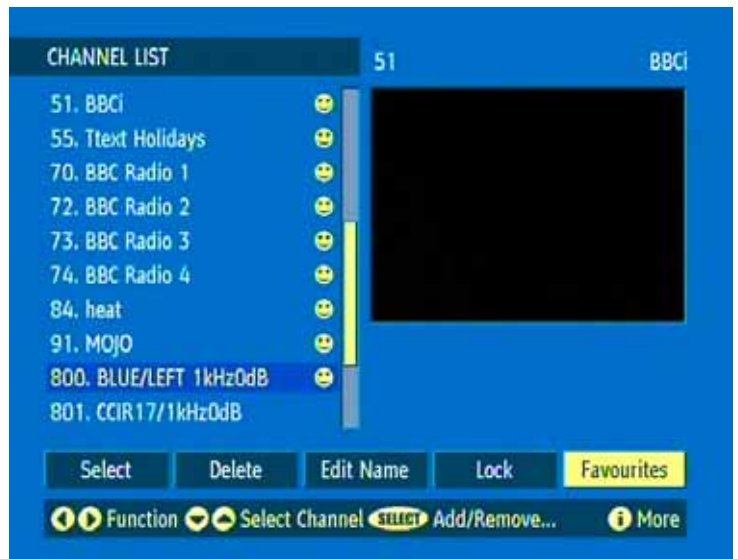
A channel can have its favourites status removed by repeating this procedure, to remove the icon. Leave the Channel List menu by pressing [MENU].Once the required channels have been marked as favourite channels, the favourite mode can be activated to allow easy access to them. Press the [MENU] key to display the Main Menu, the [DOWN] key twice to highlight Configuration, and press [SELECT] to display the Configuration screen. Press the [DOWN] key four times to highlight the Favourite Mode line and using the [LEFT] or [RIGHT] keys change the setting from Off to On.

When you leave the Configuration menu by pressing [MENU] the favourite mode is activated. Now, changing channel using the [P+] or [P-] keys will switch to only those channels marked as favourites in the channel list. Similarly, the on-screen list in the electronic programme guide contains only the favourite channels.

You can still access all the channels in the channel list by keying in their channel list number or by selection from the Channel List screen. Alternatively you can switch off the favourite mode from the Favourite Mode line of the Configuration menu.

NOTE: The favourite mode can only be activated if one or more channels in the channel list are marked as favourites. Similarly, if the favourite status is removed from all the channels in the Channel List, the favourite mode is turned off automatically.

5.2 INSTALLATION

The options located in Installation Menu are:

1. Add New Channels
    - Automatic Search
    - Manual Search
2. First Time Installation

5.2.1 ADD NEW CHANNELS

The receiver can search for channels automatically (searching all the broadcast frequencies for free-to-air channels) or manually (searching one specified broadcast frequency only for any channels to be found there).Press the [MENU] key to display the Main Menu and using the [UP] or [DOWN] keys, highlight the Installation line and press [SELECT] to display the Installation Menu. Highlight the Add New Channels line and press [RIGHT] to display the options. Select Automatic Search with the [UP] or [DOWN] keys and press [SELECT]. A warning message is displayed. This starts the automatic tuning process and searchesthrough all the available broadcast frequencies for free-to-air channels. Previous channels will be replaced on automatic search.

5.2.1.1 AUTOMATIC SEARCH

Automatic search is started by selecting YES in the auto-search pop up menu. 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.
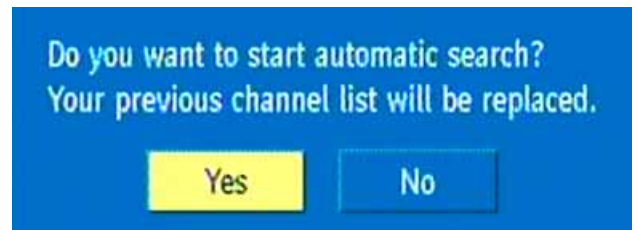
5.2.1.2 MANUAL SEARCH

In manual search the 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.
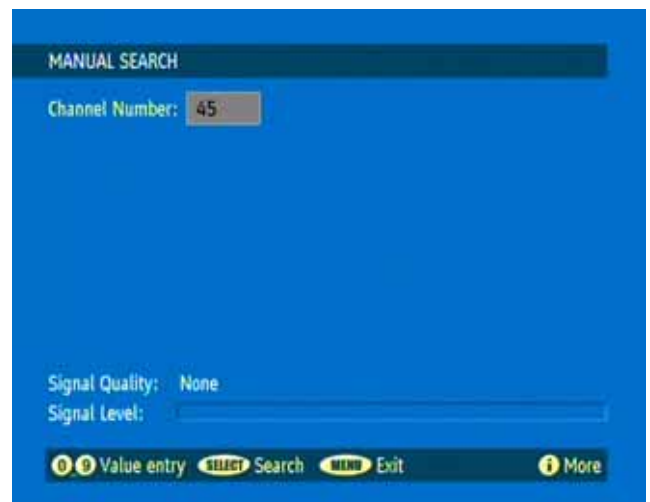
5.2.2 FIRST TIME INSTALLATION

The user can use this item to load default settings, which had been loaded to the receiver at the factory. To install factory settings, highlight 'First Time Installation' menu and press SELECT key, then you will be asked to confirm for deleting all channels and settings. Selecting YES and pressing SELECT the channel table will be deleted all.
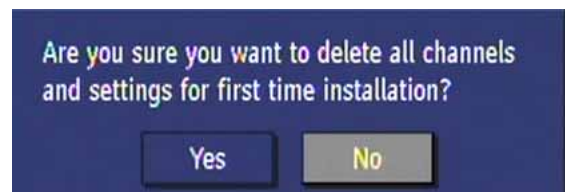
5.3 CONFIGURATION

You can configure the settings of your box. Select Configuration from Settings Menu and Press **SELECT** to enter this menu. Press **MENU** button to exit. Configuration Menu includes the following main items:

> ➢ Audio Language
> ➢ Subtitle
> ➢ TV Type
> ➢ TV Out
> ➢ Favourite Mode
> ➢ EPG Preference
> ➢ Scan Encrypted Chans
> ➢ Receiver Upgrade
> ➢ Parental Settings

5.3.1 AUDIO LANGUAGE

Digital terrestrial television channels can broadcast simultaneous soundtracks in more than one language. This function selects which language soundtrack you will hear when switching to a channel broadcasting with multiple soundtracks. Highlight the Audio Language line in the Configuration menu and use the [LEFT] or [RIGHT] keys to cycle through the language options. Return No Menu to normal TV viewing by pressing the [MENU] key.

5.3.2 SUBTITLE

Digital terrestrial television channels can broadcast with subtitles displayed on-screen for the hard-of-hearing. This function selects the desired subtitle language and enables the automatic display of subtitles whenever subtitle information is broadcast.Highlight the Subtitle line in the Configuration menu and use the [LEFT] or [RIGHT] keys to cycle through the disable and language options.Return NO MENU to normal TV viewing by pressing the [MENU] key.

5.3.3 TV TYPE

Digital terrestrial television channels can broadcast programmes in a widescreen format . This format must be set correctly to normal or widescreen Tv's. This function tells the Tv the screen format so that broadcasts are displayed correctly. In the Configuration menu, highlight TV Type and use the Left/Right buttons to select 4 : 3 or 16 : 9 depending which Tv you have. This setting duplicates the settings when you first installed the STB, therefore if you change your Tv you can set the STB to match the new Tv.
To return to programmes press the MENU key.

5.3.4 TV OUT

The receiver can output either an RGB or CVBS signal from the TV SCART on the rear panel. Although the RGB format results in a better quality picture, not all equipment - particularly some VCRs - can cope with an RGB signal.

5.3.5 FAVOURITE MODE

This function enables or disables the favourite channel list mode by pressing " ◀ / ▶ " buttons and press OK . If there is no favourite channel, a warning message is displayed.
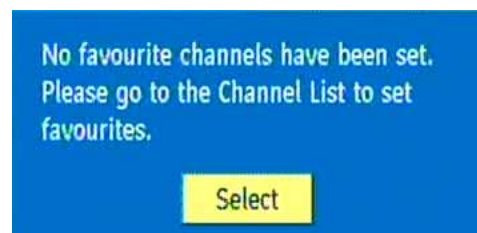
5.3.6 EPG PREFERENCE

Digital terrestrial television channels can broadcast simultaneous Next&Now and 7-Day electronic program. Highlight the EPG Preference line in the Configuration menu and use the [LEFT] or [RIGHT] keys to select Next&Now or 7-Day.

5.3.7 SCAN ENCRYPTED CHANNELS

If selected when searching, the "Encrypted" channels will also be stored and displayed. If NO is chosen only "Free to Air" channels will be stored.

5.3.8 RECEIVER UPGRADE

To ensure that your digital receiver always has the most up todate software. Please ensure that after use it is set to its standby mode. The Receiver automatically powers up at 3AM each day and searches for any new information which may be broadcast and will download this to your box automatically. This operation will normally take approximately 30 seconds. If you have an important recording to make at 3AM which must not have a 30 second interrupt then you can disable the auto OAD search by performing the following:

1. Press Menu button and using the up / down buttons highlight CONFIGURATION and press the SELECT button,

2. Use the up and down buttons to highlight "RECEIVER UPGRADE" and press SELECT button.

3. Using the left / right button change "Automatic Download" from Enabled to Disabled.

4. Utilize the up/down button to highlight "Search for New Version" and press SELECT.

5. If there is a new software version the receiver will start to search.
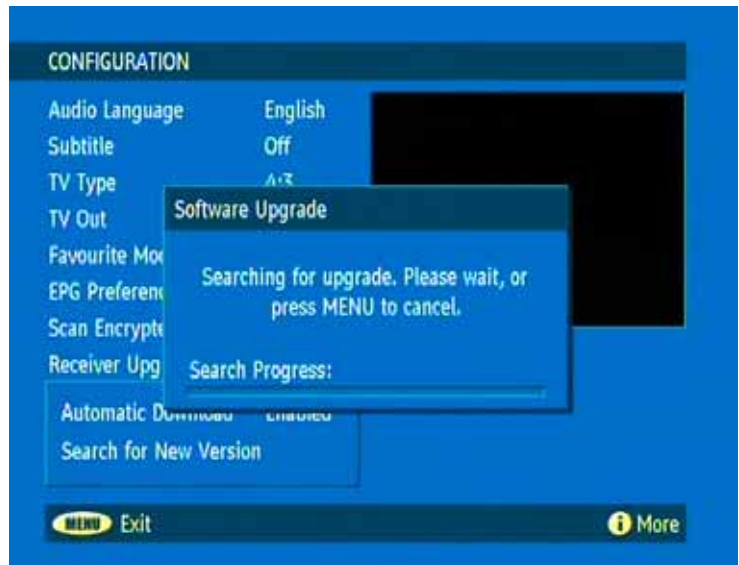
Do not forget to re enable the automatic OAD function after you have made your recording by repeating the above instructions.

5.3.9 PARENTAL SETTINGS

Use " ▲ / ▼ " buttons to go to Parental Settings option. Press SELECT button to enter Parental Settings Menu.   A box asking for the lock key is displayed. There is only one key which is set to "0000" initially. Enter lock key. If it is incorrect, it is returned back. If it is correct, the Parental Settings Menu including following items is displayed: There you can set/reset locking for the Main Menu, or the Installation Menu to restrict access. If the menu lock is disabled, there will be free access to the menu system. You can change the lock key.

5.3.9.i Menu Lock

Use " ▲ / ▼ " buttons to go to Menu Lock option. Use " ◀ / ▶ "buttons to toggle Menu Lock Mode.
DISABLED : All menus are unlocked.
MAIN MENU : Main Menu is accessible only with the correct lock key.So the user can't add, delete, rename, channels, can't set timers.
INSTALLATION: Installation menu is locked. So the user can't add channels.
Changes will be updated after exiting 'Configuration Menu'.

5.3.9.ii Set Lock Key

Use "▲/▼" buttons to go to Set Lock Key option. Use SELECT button to enter new password. New Password Menu is displayed. Use NUMERIC buttons to enter new password. New Password is asked twice for confirmation. If both passwords are four digits long and the same, the password is changed. It is updated after exiting the Parental Menu.

Menu Lock	Disabled	Lock Key	----
Set Lock Key		Confirm	***

5.4 TIMERS MENU

Timer Menu is entered from the Main Menu. There is a five column summary information, such as timer no, channel name, start time, end time, start date and mode, for each of the five timers.

There are two ways to set a timer. If the start/end time and date are valid numbers, the timer can be set directly by changing the mode from "Inactive" to "Active" using "◄ / ►"cursors.If the start/end times and date are invalid or if the set values are to be changed totally, OK must be pressed while the desired timer is highlighted in the summary list. A new window where the timer details are to be entered will be displayed on the lower part of the screen. The timer details are as follows:

TIMER MENU

No	Channel Name	Start	End	Date	Mode
1.	BBC ONE	00:00	00:00	01/01/2000	Inactive
2.	BBC ONE	00:00	00:00	01/01/2000	Inactive
3.	BBC ONE	00:00	00:00	01/01/2000	Inactive
4.	BBC ONE	00:00	00:00	01/01/2000	Inactive
5.	BBC ONE	00:00	00:00	01/01/2000	Inactive

13:54
21/08/2004

◄► Toggle Mode   Exit   Edit Timer   ⓘ More

Name: According to the type that is chosen above, "◄" /

"►" keys will navigate the user through the TV or Radio list and name of the program is selected.

Start: By using "0,1,2…,9" keys start time of the timer is entered.

End: By using "0,1,2…,9" keys end time of the timer is entered.

Date: By using "0,1,2…,9" keys date of the timer is entered.

Mode: By using "◄" / "►" keys, timer mode is selected as "Once", "Daily" or " Weekly" .

Start, End and Date field data are entered using number keys. Current time and date are shown on the lower-right part of the screen to help you.

Name:	1. BBC ONE
Start:	00:00
End:	00:00
Date:	21/08/2004
Mode:	Once
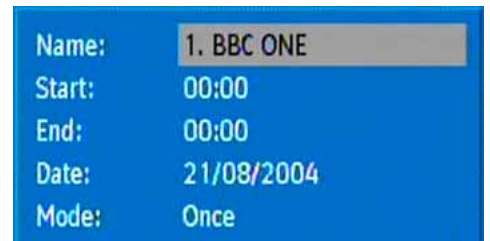
After the desired detail fields are filled, one can turn back to the timer info summary list by pressing "OK" to save the settings, or by pressing "Menu" to cancel these new settings. A set timer is cancelled (disabled) by changing the mode to "Inactive" in timer summary list. When a timer start time comes, the Set-Top-Box switches to the set channel, then when the end time is reached, the box goes to stand-by mode. This utility helps the box to be used as a sleep-timer.

5.5 LANGUAGE

In this menu the user can adjust the preferred language. Language is changed by pressing "▲/▼" and SELECT key.

Languages
English
English (Visually Impaired)

6. ADVANCED OPERATION

6.1 ELECTRONIC PROGRAM GUIDE (7- DAY - EPG)

In no menu mode, EPG Menu is reached by pressing GUIDE key, quit by pressing GUIDE key again. In EPG Menu all channels are

ELECTRONIC PROGRAMME GUIDE (Now/Next)   Saturday 21/8 13:47

The Day the Music Died   13:30-14:00

Andrew Collins presents a topical music comedy show that takes a look back at the last seven days in the music industry. With Jon Holmes and Robin Ince.

51   BBCi

Channels	Current Programme	Next Programme
51. BBCi	BBCi	BBCi
55. Ttext Holidays	No Information	No Information
70. BBC Radio 1	JK and Joel	Ronnie Herel
72. BBC Radio 2	The Day the Music Died	Pick of the Pops
73. BBC Radio 3	The Early Music Show	Performing Janacek

displayed. Current program is highlighted. Use "▲/▼" buttons to change channels.

Some, but not all, channels send information about the current and next events. Please note that event information is updated automatically. If there is no event information data available in channels, only channel names with "No Information" banner is displayed.

In EPG Menu, you can easily see the extended help information by pressing INFO key and by pressing this key again you can close this window. If you highlight an event, short event description, extended event description, start and finish times of event are displayed on the screen.

When the current program is highlighted, the box is switched to the highlighted channel by pressing SELECT key.

If you press SELECT when a next event is highlighted, a reminder is set for the highlighted program and a clock appears on the screen. Program reminders can be set to signal that a program is about to start when you are watching another channel. If you set reminder to a program, then you will be asked for switching to that channel when the reminder time is reached.

Press MENU to view the 7 day EPG. Press "▲/▼" to navigate in Channels or Programmes."◄/►"key to navigate through the channel and program list. With RED/GREEN keys you can change schedule time. By pressing YELLOW/BLUE you can advance the schedule backward/ forward of a day. If you press info key you can see easily the detailed help information and by pressing info key again you can exit Help menu.

The starting time for EPG is the current time. You can see the event information for the next two hours. By pressing "▲/▼" key, you can go to the next/previous hours. If you press SELECT when a next event is highlighted, a reminder is set for the highlighted program and a clock appears on the screen. Program reminders can be set to signal that a program is about to start when you are watching another channel. If you set reminder to a program, then you will be asked for switching to that channel when the reminder time is reached.

6.2 MESSAGES

When the box receives no signal (e.g. the antenna cable is disconnected), "NO SIGNAL" message is seen on the screen.

When there is no channel stored in the box, Timer Menu, Channel Table Menus are not accessible. Channel navigation is not allowed. Therefore, trying to enter these menus or do channel navigation will display "First Add new Channels!" message on the screen.
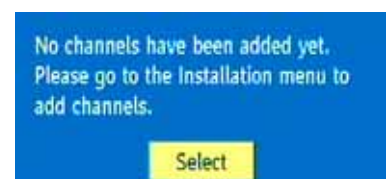
6.3 CHANNEL NAVIGATION

There are two ways to navigate through the channels:
1. Pressing P+/P- keys will help you to go to the next or the previous channel in the list.
2. Pressing a number key will activate a small digit entry window on the left upper corner of the screen. After a digit is entered, the box will wait for 2 seconds till you enter another digit. If no digit is entered during these 2 seconds, then the box will switch to the entered number channel.
If a number that is greater than the maximum number of channels is entered, the box will switch automatically to the last channel. Each time the box switches to the desired channel, an information window is displayed on the lower part of the screen. The small bar on top right of the banner indicates the current signal quality.On this channel info window there are:

> Current event name next event name, and their start and end times.
> Time
> Channel number
> Name of the channel
> An icon indicating that the channel is set as favourite (if the channel is not set as favourite the field is left empty)
> TV / Radio icon

When switching to a locked channel (channel), lock code is requested via a window as shown in the picture. Only after the correct code is entered, it is allowed to access to this channel. To skip this channel, P+/P- cursor keys must be used.
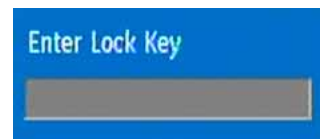
6.4 VOLUME CONTROL

The volume level of the sound from the receiver can be altered with the [V+] and [V-] keys on the remote control handset. Pressing either key displays a bar graph of the sound volume on the TV screen.The volume level selected will remain set, even when the receiver is turned off and on again, until it is altered with the [V+] and [V-] keys.

The audio volume adjustment for the receiver is independent of the volume control on your TV set. Be careful that both volume controls are kept within reasonable levels so that when switching from analogue to digital television viewing, or when first turning on your TV set, the sound level is not suddenly very high.

You can silence the sound from the receiver by pressing the [MUTE] key. The sound remains muted until the [MUTE] key is pressed again, the [V+] or [V-] keys are pressed, or until the receiver is turned off and on again.While the sound is muted in this way, the mute symbol is displayed in the top left of the TV screen. The symbol is removed after 3 seconds, but the sound will remain muted until the [MUTE] key is pressed for the second time,and the mute symbol will display for 3 seconds.

6.5 DIGITAL TELETEXT

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 the receiver.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 EPG or 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 including use of the [UP], [DOWN], [LEFT], [RIGHT] and [SELECT] keys to select items from on-screen menus, and the coloured keys to jump directly to particular pages.

You can exit any digital teletext channel by changing channel in any of the normal ways. You can leave the digital teletext function of a combined digital teletext/programme channel, to return to normal television viewing of that channel, by pressing the [TEXT] key.Calling for the information banner or any menu on-screen stops the receiver from displaying the digital teletext pages and they are temporarily replaced by a blank picture while the banner or menu is displayed.Digital teletext cannot be accessed when the Subtitles are enabled

6.6 WIDESCREEN

TV sets are available with screens of the standard (4:3) format and widescreen (16:9) format. When you first installed your receiver you specified the format of the connected TV (this can now be altered if necessary; see Configuration)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 even some news bulletins are widescreen. To help get the most from both TV set and programme when a widescreen film is watched on a standard TV, or a standard broadcast is viewed on a widescreen set, the receiver includes the [WIDE] key.So long as the receiver 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.

6.7 SUBTITLE

Subtitle key Shows/hides subtitles of channel. When the subtitle key is pressed,subtitle ON/OFF message is displayed.

6.8 TV / DTV KEY

If there is no VCR or DVR connected to the STB, the TV/DTV button is used to toggle between TV and STB modes. When the STB is in TV mode, the TV scart is not active and the TV operates normally in analog mode. When the STB is in DTV mode the Scart is active and the TV is switched to AV/RGB mode. When there is no menu on the screen, pressing the TV/DVT button will manually toggle the STB between TV and VCR mode. In VCR mode the STB will display the output of the VCR. In TV mode the STB will display its own output. If the STB mode is not changed by pressing the TV/DTV button the scart mode will be automatically detected. (For example if a dvd player is connected to VCR scart and powered on , then the set top box will immediately switch to VCR mode. The set top box will switch to TV mode if dvd player is switched off)

7. TROUBLESHOOTING GUIDE

If you are still experiencing difficulties please check below before calling the customer help line.

Symptom	Possible cause	Remedy
Dead. Standby led not lit	Power not connected	Check mains connection and switch on supply
No sound or picture. Led red	STB is in standby	Use remote control "Red" button to bring out of standby.
No sound or picture. Led green.	No connection to Tv	Check scart lead is in correctly and are in correct sockets
	Tv's AV not selected.	Some older Tv's do not switch to AV automatically. Force Tv to AV.
"No Signal" message on screen	Poor aerial signal	A digital receiver needs a good signal to display a picture. Have aerial checked. Indoor aerials are generally not acceptable
	STB not tuned in.	Re install STB as page 5 – 8
Picture breaking up or freezing	Poor aerial signal	Have aerial checked as above
No Remote control functions	Batteries worn out.	Replace batteries every 6 months.
	High incident light in room	Reduce light in room if light falling onto I/R receiver.
Forgotten Lock code		Enter manual search, search for locked multiplex. Complete install "Automatic"

If you are still having difficulty please call the Technical help line.
Ring 01422 203676 (Normal rates apply).
Opening hours Mon-Fri 8 am – 8pm. Sat 9 am – 4pm. Sun 11am – 4pm "Bank holidays as Sun"

8. SPECIFICATIONS

GENERAL
Size	259x156x44 mm
Weight	660 gr
Power consumption	7 W

SYSTEM
Processor	NEC µPD61115 32bit RISC MIPS @ 166MHz
Flash memory	2Mbyte
SDRAM	16Mbyte
MHEG-5 engine	compliant with ISO/IEC 13522-5 and
UKEngine	Profile1
Object carousel support	compliant with ISO/IEC **13818-6** and UK DTT Profile

RECEPTION
Frequency range	474-850 MHz
Signal level	-81 dBm
Transmission standards	DVB-T, MPEG-2
Demodulation	COFDM with 2K/8K FFT mode

FEC	all DVB modes
Video	MP@ML, PAL, 4:3/16:9
Audio	MPEG Layer I&II 16 / 22.05 / 24 / 32 / 44.1 / 48kHz

AUDIO R / L

Connector	2 x RCA (R + L)
Output	2.0 Vrms / Z = 10 kΩ

REMOTE CONTROL

Operating Distance	10m Max.
Batteries	2x1.5V (R-03/AAA)

CONNECTIONS

UHF aerial input
UHF aerial loopthrough
TV SCART
AUDIO R/L
VCR scart

Due to ongoing developments to improve the product the specification may change during manufacture.