

Safety

Congratulations on purchasing this Digital Terrestrial Free to View Receiver.

Please note that the availability of digital signals depends on the transmitter(s) available in your reception area.

In order to enjoy this product for a long time it is important that you observe the following points when installing and operating the receiver:

- This receiver should be plugged into a 230V to 240V AC, 50/60Hz power supply only.
- This receiver is intended for the reception of TV picture and sound signals.
- Avoid long-term display of static images e.g. menus or audio only channels. Use the Radio feature (blank screen – see Advanced Setup).
- The receiver is intended for use in dry rooms. Do not expose the receiver to any moisture. If there is a need to use the receiver in open air, make sure that it is protected against moisture (rain, humidity, splashes etc.).
- Do not place any object filled with water such as a vase on the receiver.
- Place the receiver on a hard and flat surface and do not place any object over it.
- If the receiver is placed in an enclosed unit, make sure that there is at least 10cm of space around the receiver and the sides of the unit.
- Do not place the receiver close to a heat source or in direct sunlight as this will prevent the necessary cooling for the unit.
- During a thunderstorm it is advised to disconnect the unit from the mains and from the aerial to prevent damage from lightning.
- Never open the receiver as this will invalidate your guarantee.
- Dispose of used batteries at appropriate collection points and not in the normal waste – this prevents hazardous chemicals from the batteries being released into the environment.
- If the receiver is not to be used for a long period such as on holiday. Disconnect from the power and aerial system.
- Do not connect or modify cables with the receiver plugged in.
- No naked flame sources such as lighted candles should be placed on the apparatus.
- The mains plug is used as the disconnect device and it shall remain readily operable. To completely disconnect the power input, the mains plug of the apparatus should be disconnected from the mains (when the mains plug is disconnected the power indicator light will not light up).

Note

Dust will collect on the receiver and can be removed by using a dry clean cloth. Do not spray any substances such as cleaning liquids on the unit.



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Parts Checklist

Unpack your receiver and make sure that you have all of the items listed below.

1

Digital Terrestrial Free-to-View Receiver



2

Remote Control



3

Scart Cable



4

Two AAA batteries



5

Instruction Book



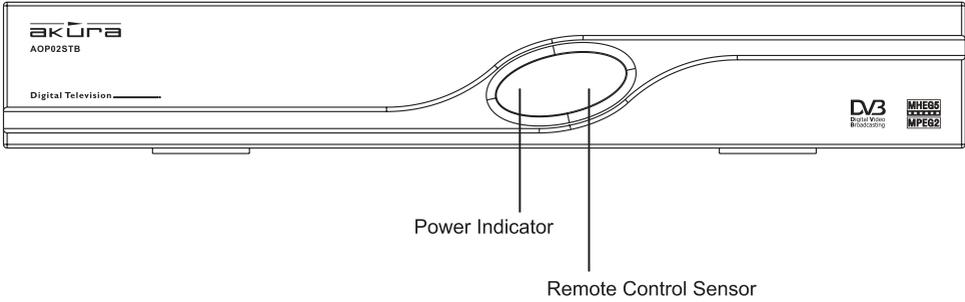
Note

If any item from the checklist is missing please notify your sales agent where you purchased this receiver.

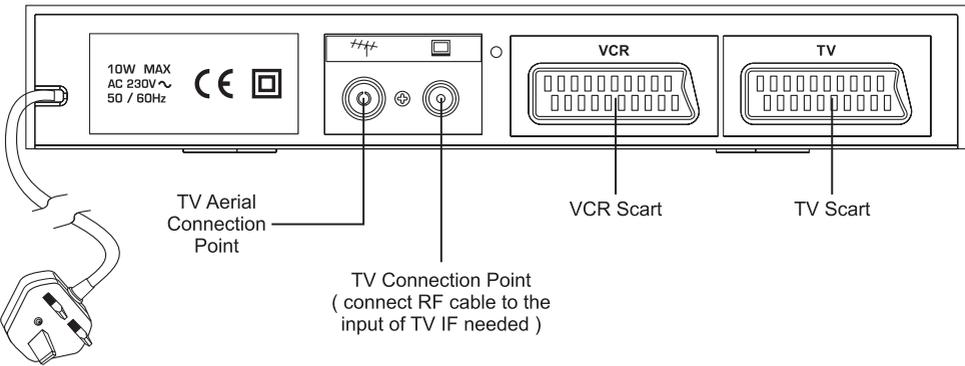


About Your Receiver

Front



Rear

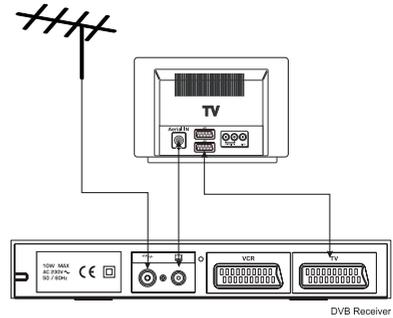


Getting Started and Connections

1

Operation of Receiver and Tv only.

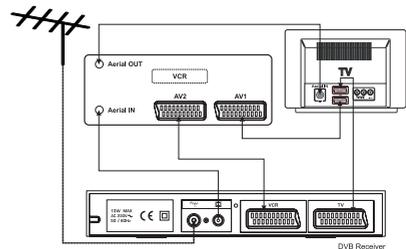
In this connection mode, your DTR box is connected directly to your TV Scart socket. When you turn on the DTR box it should automatically switch your Tv to A1. With older Tv's you may have to select AV manually.



2

Operation of Receiver, VCR and Tv (Tv single Scart socket).

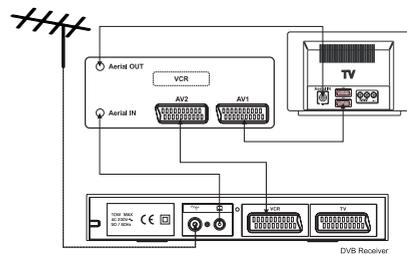
In this connection mode, you may only view the DTR box via the VCR. To view the DTR box select AV on your Tv to monitor the VCR and set your VCR input to AV. To record a programme, just set the Timer or Immediate record. With this connection you may only view, non digital received signals on your Tv whilst recording a digital programme. To playback a recorded programme, press play and the VCR should be automatically viewed on the TV. (Note. :- variations in technology may mean manual selection of AV may be necessary). You may not record a Non digital programme, whilst watching a Digital programme.



3

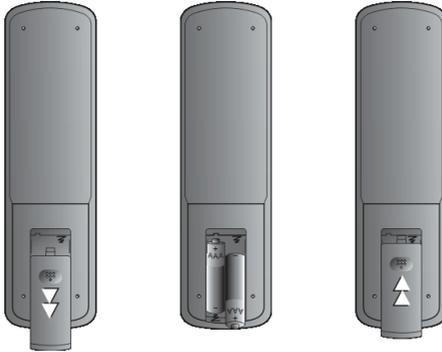
Operation of Receiver, VCR and Tv (Tv Dual Scart socket).

In this connection mode, you may watch a Digital programme on AV1, whilst recording a Non Digital programme on the VCR. (Note. :- variations in technology may mean manual selection of AV may be necessary). If you need to connect other boxes such as a DVD player, connect the DTR box as Fig 2 and your DVD player to AV1 on the Tv.



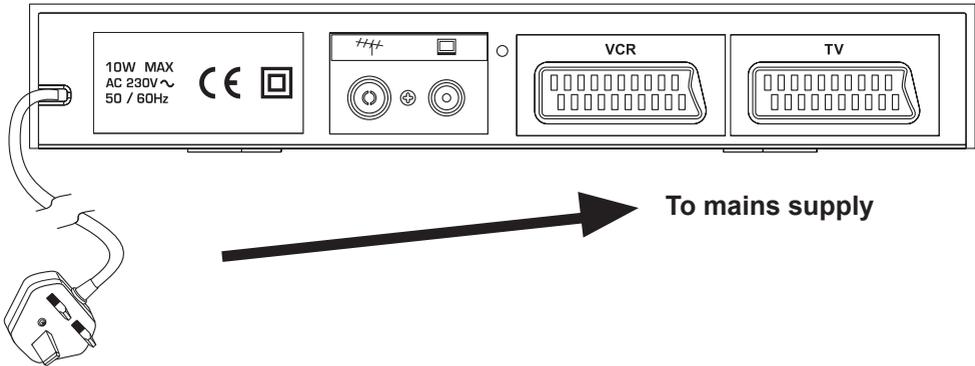
4

Place batteries into remote control as shown.



5

Plug your receiver into the mains supply.



Note

Always disconnect the receiver from the mains supply before you connect it to any other equipment.

Remote Control

Remote Buttons



Button Function

-  Standby – switches the receiver in/out of standby mode
-  [Guide] – Displays TV Guide
-  [Text] – Enters Teletext mode
-  Mute – turns volume on/off
-  [Subtitle] – displays subtitle menu if available
-  [Menu] – goes to main menu
-  Number Keys – used where numbers can be entered
-  [Red] – for Teletext and interactive services
-  [Green] – for Teletext and interactive services
-  [Yellow] – for Teletext and interactive services
-  [Blue] – for Teletext and interactive services
-  [Exit] – exits the menu mode
-  [i] – calls upon the information banner
-  Navigation buttons – used to select various functions.
-  [OK] – confirms selections made
-  Channel – navigates through channel and favourites
-  TV/RAD – Switches between TV and Radio.
-  PPR – The following keys are for PPR only and do not function with this STB.
- 

They do not function on this set top box.

Basic Operations

First Time Tuning

Once the receiver has been correctly connected, the unit must be tuned by scanning for available signals when being used for the first time.

Tuning the Receiver for the First Time

When the receiver is powered up for the first time a welcome screen is displayed.

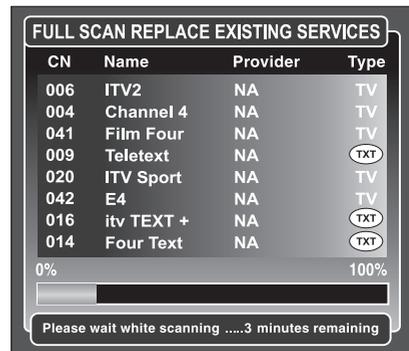
- Select English using Up / down keys
- Press [OK] on the remote to tune the unit.

Tuning takes a few minutes. A progress bar is displayed at the bottom of the screen. Please wait.

Once the receiver has completely been tuned it will automatically display the first channel.

At this point, tuning is complete and you can now use your receiver.

If at a later point you would like to retune your receiver to either add new channels or to rescan previously deleted channels, you may do so by following the instructions in the “Advanced Operations” section.



Note

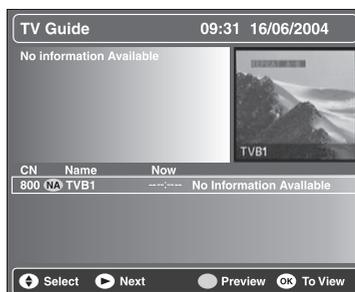
To learn about other advanced settings such as “Parental Control,” “TV Setup” “Language,” “Setting your PIN” and “Timer Programming and Recording” refer to the “Advanced Operations” section.

Programme Information

TV Guide

The TV guide shows details of programmes while allowing you to watch a small er picture of a selected channel.

- Press [Guide] on the remote to access the TV Guide.
- Select channel listing by using the up and down navigation buttons.
- To find out what is on now or next on a particular channel use the left and right navigation buttons.
- Press [OK] to view the selected channel.
- To set a reminder for a programme that you wish to view later press the right navigation button to enter into the “Next” menu and press [Green].
- A “REM” icon will appear alongside the programme and prior to the start of the show a prompt will appear on the screen. Press [OK] to select the program or [EXIT] to cancel.



Information Banner

The information banner shows details of the current programme.

- Press [*i*] on the remote.

You are able to view the current programme

- To view details of the next programme press the right navigation button.
- To view more details of the current programme press [*i*] again.

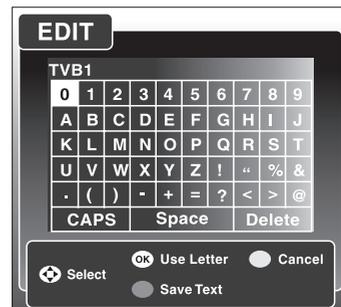
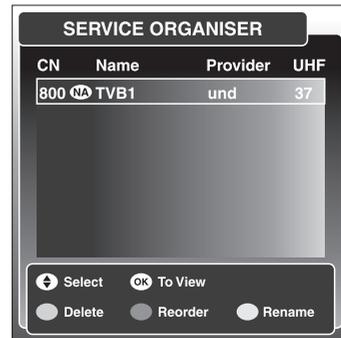


Lists and Interactive Services

Service Organiser

This list contains all the channels that were tuned in during either an Auto tune or Manual tune. You can delete any unwanted channels or add channels to your Favourite List. To add these channels back you will have to perform an Auto or Manual tune. Alternatively, you can also rename channels in this list.

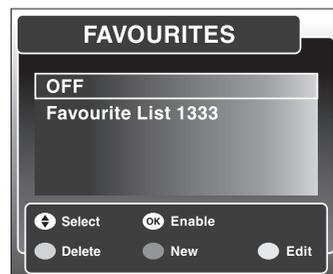
- Press [Menu] on the remote and then select “Service Organiser” and press [OK].
- Select a channel using the up and down navigation buttons.
- To delete this channel press the [Red] button.
- To rename this channel press the [Yellow] button to go to the “Edit” screen.
- In the “Edit” screen, use the navigation buttons to select a name of choice. To use a particular letter press the [OK] button.
- To save the name change press the [Green] button.
- To cancel the name change press the [Yellow] button.



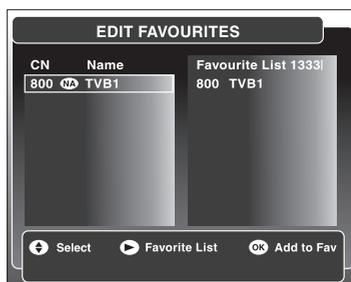
Favourites

All Free-to-View services are automatically set to favourites after an Auto or Manual tune.

- Press [Menu] on the remote and then select “Favourites” and press [OK].
- To create a new Favourite list press the [Green] button.
- To edit the contents of your favourite list press the [Yellow] button.



- Use the up and down navigation buttons to select a channel from the total list and press [OK] to add it to your favourites list.
- You may move between the service list channels and your favourites list by using the right and left navigation buttons.
- To remove a channel from your favourites list press the [Red] button.
- To rename the list press the [Yellow] button to go to the “Edit” screen.
- In the “Edit” screen, use the navigation buttons to select a name of choice. To use a particular letter press the [OK] button.
- To save the name change press the [Green] button.
- To cancel the name change press the [Yellow] button.
- To exit this menu press the [Exit] button.



Teletext and Interactive Services

If the channel that you have chosen has Teletext (MHEG) features then you can enter into “Text” mode to access them.

- To enter into “Text” mode press [Text] on the remote.
- To return to normal viewing press [Text] again.

Note

Channels that offer Teletext will also provide details on how to use the interactive features on the screen.

Advanced Operations

Tuning the Receiver

Additional setup menu options are available for you to set up your system.

In the event that you may have deleted a channel that you would like to add back, or you would like to scan for new channels, you can use either of the tuning methods of your choice that are described in this section.

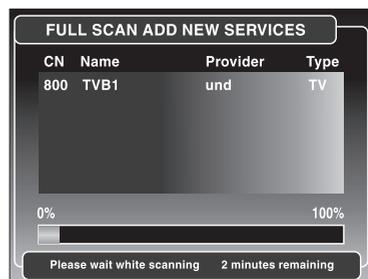
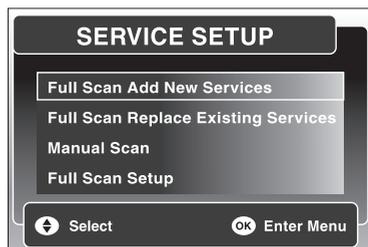
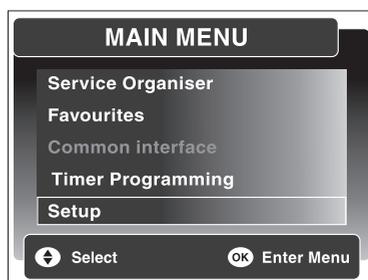
Automatic Scan (Automatic Tuning)

- Press [Menu] on the remote to display Menu screen.
- Use the navigation buttons to highlight the "Setup" option and press [OK].

You will be prompted to enter your Personal Identification Number (PIN) to access the "Service Setup" menu.

- Enter your four digit PIN (the default PIN is set to 0000).
- In the " Service Setup " menu select " Full Scan Add New Services " or "Full Scan Replace Existing Services" and press [OK].

The "Full Scan Add New Services" option will add new channels that are available to your receiver whereas the " Full Scan Replace Existing Services " option will replace the current channel settings and scan for new ones.



Manual Scan (Manual Tuning)

The “Manual Scan” option allows you to manually tune your receiver.

- Follow the directions provided in the Automatic Scan section to arrive at the “Service Setup” menu (you will have to re-enter the PIN exactly as indicated in the Automatic Scan section).
- Select “Manual Scan” and press [OK].

The receiver can be scanned manually by changing the following settings:

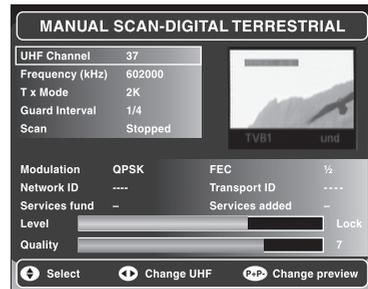
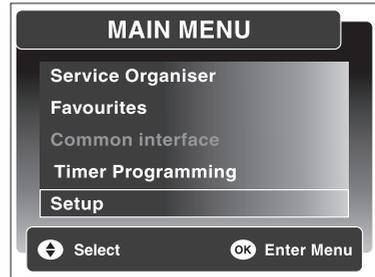
Channel – sets the required UHF channel and will automatically fill in the frequency.

Frequency – overrides the channel setting, if selected, and sets the frequency in kHz.

Tx Mode – changes the transmission mode between 2K and 8K.

Guard Interval – sets the guard interval. The options are $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$ and $\frac{1}{32}$.

- Select the option of choice and use the right and left navigation buttons to change the values for scanning. Select the “Scan” option and press the right navigation button



Full Scan

The “Full Scan” option allows you to modify the parameters that will be used when tuning your receiver.

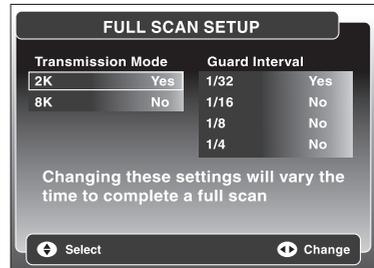
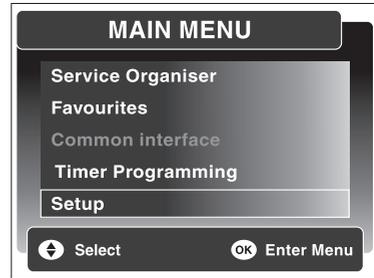
- Follow the directions provided in the Automatic Scan section to arrive at the “Service Setup” menu (you will have to re-enter the PIN exactly as indicated in the Automatic Scan section).
- Select “ Full Scan Setup ” and press [OK].

The following settings may be adjusted:

Transmission Mode – options to select 2K and 8K.

Guard Interval – options to include guard intervals of 1/4, 1/8, 1/16 and 1/32.

- Select your choice of transmission modes and guard intervals by using the navigation buttons.
- Press [Exit] to save changes and exit



Note :

If after changing various tuning parameters you find you can no longer tune TV channels, you can revert to the ex-factory condition. In this condition no TV channels are tuned and you must start from the very beginning to reset to the ex-factory condition. In order to reset the ex factory state: **select the main menu and press 0000**

Note

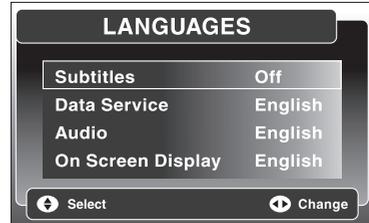
The default settings are set for the UK DTT network, which are ‘Yes’ for 2K transmission mode and 1/32 guard interval.

Languages and TV Setup

Languages

This feature allows you to set the languages for subtitles, data services, audio and on screen display. The choice of languages offered is English, Welsh and Gaelic.

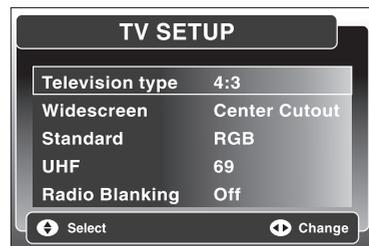
- Press [Menu] on the remote.
- Select "Setup" and press [OK].
- Select "Languages" and press [OK].
- Select a feature and select your desired language.
- Press [Exit] to save changes and exit this menu.



TV Setup

This feature allows you to set the receiver to best suit your TV type.

- Press [Menu] on the remote.
- Select "TV Setup" and press [OK].
- Enter PIN (default PIN is 0000).
- Select "Television Type." Choose 16:9 for a widescreen TV or 4:3 for a conventional one.
- The "Widescreen" option is only available if you selected 4:3 as your TV type. You are now prompted to choose how you would like widescreen images to be shown on your TV. Choose from Letterbox, Centre Cutout or Full Frame.
- The "Standard" option sets the SCART output mode. The options are CVBS, RGB or SVHS.
- The UHF signal from the aerial is also available from the adjacent connector to enable a VCR or Tv to be connected as shown on page 5 (Loop through).
- Press [Exit] to save changes and exit this menu.



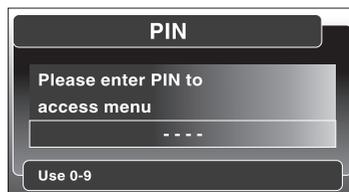
Parental Control

Parental controls can be set to create viewing restrictions on your receiver. It is advised that you first create your own Personal Identification Number (PIN).

Setting your PIN

The default PIN has been set to 0000. You can change this as follows:

- Press [Menu] on the remote.
- Select “TV Setup” and press [OK].
- Select “Parental Control ” and press [OK].
- You will be prompted to enter your PIN. Enter the default PIN 0000.
- Select “Change PIN” and press [OK].
- Enter a new PIN in the “Enter New PIN” space. You can only choose from numbers 0-9.
- Re-enter new PIN in the “Confirm New PIN” space.



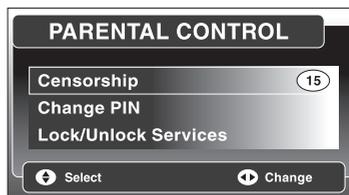
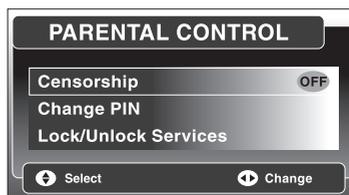
Forgotten Your PIN No.?
See page 18

Setting Censorship

You may set a blocking age on service programmes as follows:

- Press [Menu] on the remote.
- Select “TV Setup” and press [OK].
- Select “Parental Control” and press [OK].
- Enter your PIN.
- To set a blocking age select “Censorship” and use the right and left navigation buttons to select desired blocking age.

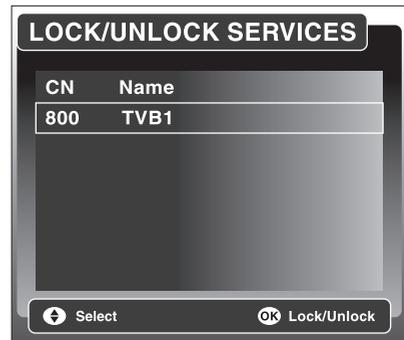
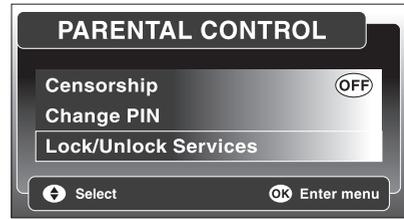
You can choose to block all programmes by selecting “Block,” or set blocks for ages 18+, 15+, 12+ or 6+. You may turn off age blocking by selecting “Off.”



Lock / Unlock Services

Selecting the Lock/Unlock Services option allows you to select channels and apply your parental control blocking age to them:

- Press [Menu] on the remote.
- Select “TV Setup” and press [OK].
- Select “Parental Control” and press [OK].
- Enter your PIN.
- Select “Lock/Unlock Services” and press [OK].
- A list of channels is provided. Select a desired channel to apply parental control to and press [OK].
- A “Lock” icon will appear on the screen to indicate that a particular channel has been locked. You may select other channels and do the same to lock.
- If you would like to unlock any of the channels then select the channel and press [OK] again. The “Lock” icon should now be cleared from the screen.



Note

Programmes being aired all have an age rating for censorship and they will be compared to the parental control setting it has been set up. For programmes for which age blocking

Timer Programming and Recording

To record a TV program using your VCR ensure that the connections to your VCR are as shown in the “Connections” section and use your VCR as normal.

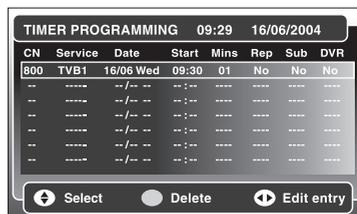
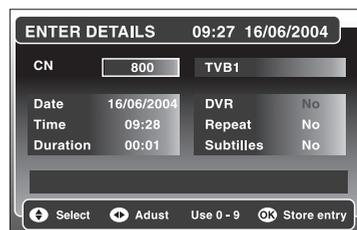
Timer Programming

The “Timer Programming” function enables the receiver to automatically switch to your pre-selected channels at pre-selected times.

- Press [Menu], select “ Timer Programming” and press [OK].
- To set the recording timings press [OK].

In the “Enter Details” mode to move between options use the up and down navigation buttons. To edit details use the right and left navigation buttons, or enter 0-9 on the remote where applicable.

- In the “CN” option enter the three-digit channel of choice.
- In the “Date” option enter the date in the dd / mm / yyyy format.
- In the “Time” option enter the start time in the hh:mm format.
- In the “Duration” option enter the duration. Use the hh:mm format.
- If you would like to repeat this recording regularly enter your selection in the “Repeat” option. Your choices are No, Weekly, Daily, Mon-Fri and Mon-Sat.
- If the program includes subtitles and you would like to record them select “ Yes ” in the “ Subtitles ” option. Otherwise, choose “No.”
- Press [OK] to save entry.



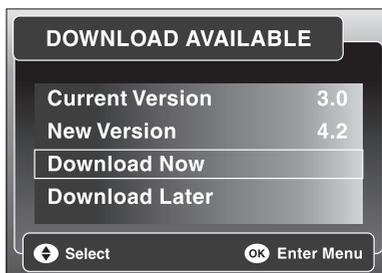
Upgrading your Receiver

New services are sometimes launched that may require you to upgrade your receiver's software before you can use them. New features may also be introduced to enhance your receiver.

Notification

This menu is displayed when a new "Over-the-Air-Download" is detected after power-up. You can choose to download immediately or at a later point.

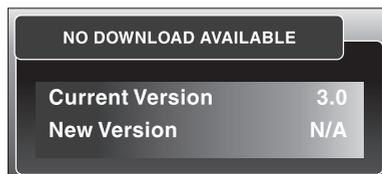
- To start the download right away select "Download Now" and press [OK].
- To download at a later point select "Download Later" and set the timer for downloading later.
- To refuse the download at this time press [Exit]. The notification menu will be displayed again the next time the receiver is powered up.



Check for Download

You can also check for downloads manually.

- To manually check for downloads press [Menu], select "Setup" and press [OK].
- Select "Check for Downloads" and press [OK].
- If no download is available press [Exit].



Note

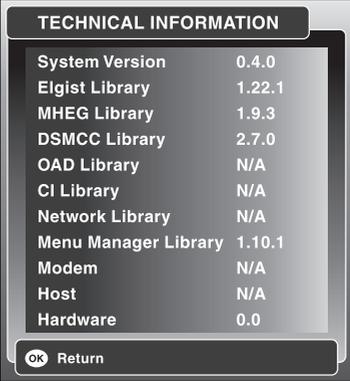
It is recommended that you keep your receiver up to date. During a download DO NOT switch off the receiver.

Technical Information Display

Technical Information Details

The technical information screen displays the hardware and software information of the receiver. This information may be required by the service agent or service call operator.

- Press [Menu], select “Setup” and press [OK].
- Select “Technical Information” and press [OK].



TECHNICAL INFORMATION	
System Version	0.4.0
Elgist Library	1.22.1
MHEG Library	1.9.3
DSMCC Library	2.7.0
OAD Library	N/A
CI Library	N/A
Network Library	N/A
Menu Manager Library	1.10.1
Modem	N/A
Host	N/A
Hardware	0.0

OK Return

Note

It is recommended that you keep your receiver up to date. During a download DO NOT switch off the receiver.

Troubleshooting Guide

Troubleshooting

If you are experiencing problems with your receiver, please read the relevant sections of the instruction manual carefully and also the Troubleshooting Guide below for possible causes to these problems.

Problem	Possible Cause	Remedy
Standby light not on	<ul style="list-style-type: none"> • Mains lead unplugged • Mains fuse is blown 	<ul style="list-style-type: none"> • Check mains lead • Check fuse
Receiver does not respond to remote control	<ul style="list-style-type: none"> • Unit may be in Standby mode • Remote control batteries may be dead • Remote control not aimed properly 	<ul style="list-style-type: none"> • Press Standby on remote control • Check or replace batteries • Aim remote control at front panel
No signal found	<ul style="list-style-type: none"> • Aerial is disconnected • Aerial is damaged/ misaligned • Out of digital signal area 	<ul style="list-style-type: none"> • Check aerial lead • Check aerial • Check with dealer
No picture or sound	<ul style="list-style-type: none"> • Tuned to digital Teletext channel • Loose cable connections • TV may not be in AV mode 	<ul style="list-style-type: none"> • Retune to another channel • Check all cable connections • Check that AV channel is selected on TV
No sound	<ul style="list-style-type: none"> • Sound is " Muted " 	<ul style="list-style-type: none"> • Press mute Key  or remote
Forgotten lock code		<ul style="list-style-type: none"> • Use Pin 2846 to restore the default PIN
Messed up the tuning		<ul style="list-style-type: none"> • Reset the original new condition. • Select " Menu" • Press 0000

If you still experience difficulty, please call the Technical Help Line 01422 203676 (normal rates apply).



Specifications

Modulation

Modulation Format	COFDM
FFT Size	2K and 8K
Code Rates	1/2, 2/3, 3/4, 5/6, 7/8
Guard Intervals	1/4, 1/8, 1/16, 1/32

RF Input/Loop Through

Input Frequency Range	470MHz – 862MHz
Input Impedance	75 Ohms
Loop Frequency Range	47MHz – 862MHz

Video Decoder

System Decoding	MPEG2 Main Profile@Main Level
Transfer Rate	Upto 15Mbps
TV Format	4:3 Pan and Scan or Letterbox, 16:9 Widescreen
Video Resolution	720 x 576 PAL

Audio Decoder

System Decoding	MPEG1 Layers I and II
Sample Frequency	32, 44.1 and 48 KHz
Audio Mode	Single and Dual Channel, Stereo and Joint Stereo

Video Performance

DA Converter	10 bit 27 MHz
SCART (CVBS Output)	1 Vpp into 75 Ohms
SCART (RGB)	0.7 Vpp into 75 Ohms (for R, G, B)

Audio Performance

DA Converter	24 bit
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Connection

RF Input Connector	IEC Type Female
RF Loop Through Connector	IEC Type Male
SCART	TV

Power Supply

Power Inlet	AC 230 – 240 V ~ 50/60Hz
Power Consumption	10 W

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





CAUTION

RISK OF ELECTRIC 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 of 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.

“ DO NOT LEAVE YOUR TV AT STAND-BY OR OPERATING WHEN YOU LEAVE YOUR HOUSE “



The crossed out " Wheelie bin " is intended to show that this appliance must not be placed with ordinary household waste.

When this appliance has reached the end of its useful life. It must be disposed of in accordance with local by-laws. Consult our local waste disposal authority. (WEEE Directive)

