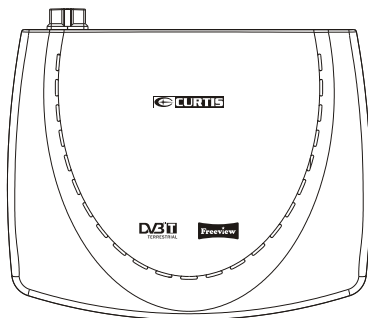# CURTIS

DIGITAL TERRESTRIAL RECEIVER
USER'S MANUAL

DVBTUK-T3

Please read this User's Manual carefully to ensure proper use of this product and retain for future reference.

CE RoHS 2002/95/EC

IMPORTANT SAFETY INSTRUCTIONS
WARNINGS
TO REDUCE THE RISK OF BURNS, ELECTRIC SHOCK, FIRE OR INJURY TO
PERSONS, PLEASE CAREFULLY READ ALL SAFETY INSTRUCTIONS.
THE SEPARATE OPERATING MANUAL MAY CONTAIN ADDITIONAL SAFETY
INSTRUCTIONS.
THIS PRODUCT IS DESIGNED FOR DOMESTIC USE ONLY. COMMERCIAL OR
^NY OTHER USE MAY INVALIDATE THE GUARANTEE AND MIGHT BE
DANGEROUS.
TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE ANY COVER

Do not expose this product to dripping or splashing or place any objects filled with liquids, such as vases, on the product.
Never put a naked flame source such as lighted candles on or near the product.
Remove the mains plug from the wall socket and disconnect the external aerial during thunderstorms.
If anything goes wrong, don't try and fix it yourself, get a qualified service agent to carry out any repairs or maintenance.
Save these instructions for future reference.
We have designed and made this product to meet European safety standards, but as with any electronic equipment you must take care.
Here is some good advice to help you stay safe and get the best results
Install or locate this product only in accordance with the installation instructions found in this instruction book.
Use this product only for its intended purpose as described in the operating instructions.
Children and the infirm must be closely supervised by a competent person. If the product includes small parts, do not let children play with it.
Examine the product thoroughly: If it is damaged in any way notify the retail store where you purchased it.
For products supplied with a mains adapter or a detachable mains cord, if the adapter or its leads get damaged, it must be replaced with an adapter of the same type and rating.
To save power, disconnect from the mains when you are not using the product unless the function of the product requires a continuous power supply.
If the mains switch does not disconnect the product from the mains: The mains plug shall be the main disconnect device and shall be operable at all times.
Avoid harsh conditions such as wet or damp places, rain, high humidity, strong vibration, extremely high or low temperatures, strong sunlight and places that are very dusty.
DO NOT install or use this product if you have spilt liquids in it, if it is damaged in any way, if it has been dropped or if it does not work normally. Disconnect from the mains and seek expert advice.
DO NOT leave the product unattended while it is operating unless it is designed to do so.
DO NOT store this product outdoors or expose to rain or moisture.
DO NOT use this product near water, for example near a kitchen sink, in a bathroom or near a swimming pool.
DO NOT remove outer panels or covers from the product. Repairs must only be undertaken by a qualified service person.
DO NOT place the product or mains lead near a hot surface such as a gas or electric cooker or fire.
DO NOT operate the product when room humidity is excessive.
Power supply
Make sure the voltage marked on the rating plate on the rear of the product matches the supply in your area.
An incorrect supply voltage is dangerous and may result in a fire or damage to the product. The manufacturer accepts no responsibility for any damage or injury resulting from connecting to any voltage other than that specified on the rating plate located on the back of the product. See the instruction book for the exact voltage range.

Mains plug and mains lead
We have fitted this equipment with a standard mains plug.
• If you cut off the mains plug or fit a different type, destroy the old plug, as it is dangerous to insert it into a live power outlet.
• If a fuse is fitted to the plug, remove the fuse before throwing the plug away.
• Carefully follow the wiring instructions supplied with a new mains plug.
• Never use a fused mains plug without the fuse cover.
• If the mains lead becomes damaged, it must be replaced by the manufacturer, its service agent or similarly qualified person with an approved mains lead of the same type and rating to avoid a hazard.
• Make sure the mains lead cannot be walked on, crushed, chafed or cut and that it is routed in such a way as to reduce the risk of a tripping hazard.
• Do not let the mains lead hang over edge of a table or counter or come into contact with hot surfaces.
• Do not immerse the mains lead or mains plug in water or any other liquid.

Mains plug wiring for the UK
In a re wirable plug the wires in the mains lead of this equipment must be connected as follows.

• The wire coloured brown must be connected to the terminal that is marked with the letter L.
• The wire coloured blue must be connected to the terminal that is marked with the letter N.

• There is no green or green and yellow wire. Do not connect anything
• To the Earth terminal which is marked E, or with a ⏚ Symbol.
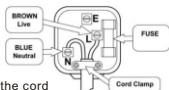
You must make sure the mains lead is firmly secured under the cord Clamp.

Mains fuse
UK standard (BS1363) plugs must be fitted with a BS1362 standard fuse rated at 3A or 5A.

Ventilation
Allow at least a 10cm gap all around the unit. Don't obstruct the ventilation slots with soft furnishings. Overheating will increase the risk of fire.

Cleaning
Disconnect the mains supply and use only a lightly dampened soft cloth. Do not use chemical solvents or strong detergents as these may damage the cosmetic finish.
Never allow water droplets to remain on the screen as moisture can cause permanent discoloration.

Batteries
Remove batteries when the remote control is not to be used for a long time. Batteries left in the product may cause damage through deterioration and corrosive leakage, invalidating the guarantee. To protect the environment, use local recycling facilities for disposal. Never throw batteries on a fire! Danger of explosion.
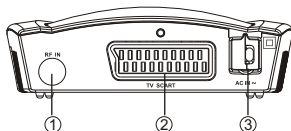
Table of Contents

1. Front panel

1. **REMOTE CONTROL SENSOR:** Used to receive the signal from the remote control.
2. **USB JACK(Optional):** Used to connect to an external USB 2.0 device.
   Note: Not all receivers have the USB Jack.
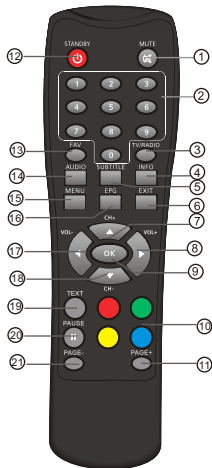
2. Rear panel

1. **RF IN :** This socket connects to your external aerial.
2. **TV SCART:** This socket connects to your TV.
3. **MAINS CABLE:** This is used to connect to your mains power supply.
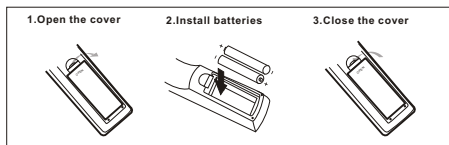
Remote Control

Remote Key Function:

1. MUTE: Used to turn the sound on or off.

2. NUMBER KEYS: Used to select channel numbers or input numbers in menus.

3.TV/RADIO: Used to switch between TV channels and Radio stations.

4. INFO: Used to display information about the channel being viewed or further information about the programme when in normal play mode.

5. SUBTITLE: Used to switch between different subtitles that are broadcast.

6. EXIT: Used to exit all menus.

7. CH+: Used to move around the menu screens or select channels when not in menu mode.

8. VOL+: Used to move around the menu screens or change the volume.

9. OK: Used to confirm a selection within a menu.

10. COLOUR KEYS(RED/ GREEN/ YELLOW/ BLUE): Used to operate different functions in teletext,etc.

11. PAGE+: Used to page up, when there are multiple pages (i. e. channel list).

12.STANDBY: Used to switch the set top box to on or standby.

13. FAV: Used to access your favourite channels.

14. AUDIO: Used to select the audio language, and set the audio out type, stereo, left, right, meno.

15. MENU: Used to open the main menu orreturn to the previous menu.

16. EPG: Used to display information about the programme being viewed and what's on next.

17. VOL-: Used to move around the menu screensor change the volume when not inmenu mode.

18. CH- : Used to move around the menu screensor select the channels when not in menumode.

19. TEXT: Used to open the interactive digital teletextif available.

20. PAUSE: Used to pause or resume the programmebeing viewed .

21.PAGE-: Used to page down, when there aremultiple pages(i.e.channel list).

Note: SUBTITLE/TEXT/AUDIO may not be available for all channels.

**Installing the Batteries**
Remove the battery cover from the remote control and install 2XAAA (not supplied) size batteries inside the compartment. The diagram inside the battery compartment shows the correct way (polarity) to install

1.Open the cover	2.Install batteries	3.Close the cover

Using the Remote Control
To use the remote control, point it towards the front of the digital set top box The remote control has a range of up to 7 metres from the set top box at an angle of up to 60 degrees.
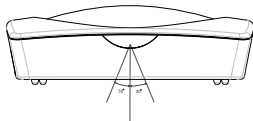
The remote control will not operate if its path is blocked.
If operation of the remote becomes erratic then the batteries probably need replacing. Be sure to replace them with the same type. Do not mix old and new batteries, always replace both.

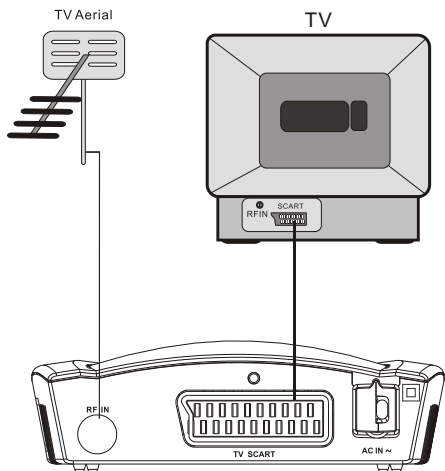**Sunlight or very bright light will decrease the sensitivity of the remote control.**

Connections

Caution: Make sure to check the voltage specification of your mains supply is the same rating as the receiver. To prevent the risk of electric shock, do not open the cover or the back of the receiver.

TV Aerial

TV

RFIN SCART

RF IN

TV SCART

AC IN ~

Note: When connecting the receiver to other equipment, e.g., TV, VCR and amplifier, make sure to refer to relevant user manual for instruction. Also, make sure you disconnect all the equipment from the mains supply before making any connections.

User Interface

The 'Exit' key will close on screen menus.
All menus will automatically be removed after 30 seconds unless otherwise stated.

1) Welcome Screen

When the STB is powered up for the first time or is brought out of standby a welcome screen will be displayed. This will tell the user to press the OK key to start a full frequency service scan.

2) Volume Control

A bar will be displayed when volume is changed by pressing Vol+ or Vol-. The bar will disappear after a predefined time following the last Vol+ or Vol- key press. Automatically removed after 2 seconds.

3) Mute Symbol

Pressing the Mute key mutes the sound and a symbol is displayed, Automatically removed after 2 seconds.

4) Screen Freeze

Pressing the Pause key will Freeze the Screen and a pause symbol will be displayed. Press the Pause key again to exit Freezing.

5) Direct Digit Entry

When the user initiates a channel change using the number keys, The user can press the OK key to force the channel change before all 3 digits have been entered. If all 3 digits are entered then the channel change will occur.
5 seconds after the last key press, the channel change will be initiated if all digits have not been entered.

6) TV/Radio select

Press TV/Radio button on the remote to toggle between TV channels and Radio stations, then you can change among the TV channels or Radio stations by pressing CH+/- buttons. This mode can be removed later if you select a channel by Direct Digit Entry or Service Organiser.

7) Digital Information

When viewing a digital programme, a single press of the info key will bring up the first level of program information shown below. This shows the time, logical channel number, channel name and 'Now' program information. It also shows the current favourite list that has been used/selected. The information banner appears at the bottom of the screen.
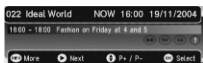
Now Information   Next Information

7.1) First level 'Now' Information

The user can scroll through information for other channels in the currently selected favourites list or the full service list if a favourites list is not enabled. This is done using the up and down keys. Whilst information for other channels is displayed the actual channel being viewed will not change. Pressing the OK key will jump to the new channel. After a channel change, the information banner will be removed after 4 seconds. In addition the user can toggle between 'Now' and 'Next' information using the left and right keys. To display 'Next' information from the 'Now' banner, the user presses the right key. This OSD will be semi-transparent.

7.2) First level 'Next' Information

The user can return from 'Next' to 'Now' Information using the left arrow key.

A second press of the INFO key will bring up the extended program information, and example is shown below.

### 7.3) Extended 'Now' Information

Extended Information

Again, the user will be able to scroll through information for other channels whilst still watching the current program by using the P+/P- keys. In addition, the left and right cursor keys will toggle extended info for 'Now' and "Next". A third press of the info key clears all on screen information. This OSD will be semi-transparent.

Icons are used to notify the user of some information about the displayed event:

SUB DVB subtitles are available for this programme.
TXT An MHEG application is available for this programme.
CA This programme is encrypted. Even if a CAM module is decrypting the programme.
SUB DVB subtitles are NOT available for this programme.
TXT An MHEG application is NOT available for this programme.
CA This programme is NOT encrypted.

If none of the above are being displayed then if the service is audio or data only, the following will be displayed.

TXT Service is data/txt only.
♪ Service is audio only.

The programme can be classified by the broadcaster and will show an icon to tell the user the age restrictions.

18 The event has an adult content age rating. Broadcast age rating 18+.
15 The event is not suitable for children under the age of 15. Broadcast age rating 15-17.
12 The event is not suitable for children under the age of 12. Broadcast age rating 12-14.
6 The event is not suitable for children under the age of 6. Broadcast age rating 6-11.
0 The event is suitable for all ages. Broadcast age rating 0-5.
? The event has NOT been given an age rating and may contain unsuitable content.

8) Channel Change OSD Banner

This is the graphic seen after using CH+/CH- or when a direct digit entry channel change is completed. It times out after 4 seconds If CH+/CH- is used then the new service will be the next/previous service in the currently selected favourites list. If no favourites list is selected/ enabled then the full service list will be used. Direct digit entry will tune to a service using its LCN. This may not be in a favourite list. This OSD will be semi-transparent and will automatically timeout after 3 seconds.

This banner will stay permanently on the screen when no video can be watched on the TV. This banner will also display the current favourite list enabled and if the service is new or removed. The following messages will be displayed under various circumstances:
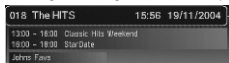
Channel Change Banner

No services are stored in the receiver

This service is encrypted
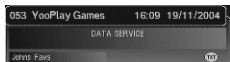
This is a data/MHEG only service

This is a audio only service

No Signal

9) Audio

Pressing the audio key will display the following menu. This menu displays all the audio streams available on the current service. The selection is done using the up/down keys. Pressing the OK key selects the new audio. This selection is only valid until power-down or service change. This menu will be automatically removed after 5 seconds.

Audio menu

10) Subtitle

Pressing the subtitle key will display the following menu. This menu displays all the subtitle streams available on the current service and a subtitle off option. The selection is done using the up/down keys. Pressing the OK key selects the new subtitle language. This selection is only valid until power-down or service change. Enhanced subtitle streams are indicated by an ICON. This menu will be automatically removed after 5 seconds.

SUBTITLES

ENG
OFF

Select   OK Accept

Subtitle menu

11) Data Service Loading

If the Teletext key is pressed on a service that contains an MHEG data application and data services have been enabled in the languages menu, then before the application has been fully loaded, this display will be presented.

Data Service Loading .. Please Wait

The graphics are displayed in the centre of the screen.
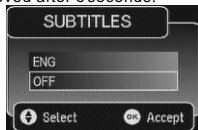This will be automatically removed when the MHEG application acquires the display or will timeout after 60 seconds if the MHEG application fails to launch.

12) TV Guide

Pressing the EPG key displays the following guide menu.

EPG menu

The guide contains all the channels in the service list rather than just the favourites list. This allows the user to view the now and next event information for every service as well as the extended information for a selected event.

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Also a video/audio preview is given which shows the program that is currently being watched if the user selects the ''INFO'' button the preview will change to show the user what is currently being shown on the selected/highlighted service.

The user can scroll through the service list, select between now or next information and also use the RED key to add a timer programming event. If the video cannot be displayed then one of the following messages will be displayed in the preview area:

ENCRYPTED SERVICE	**DATA SERVICE**
AUDIO SERVICE	**CENSORED SERVICE**
PARENTAL LOCKED	**NO SERVICE**
NO SIGNAL	

An icon will be displayed if the service has been added or removed by the broadcaster.

This menu is full screen.

13) Main Menu
The Main Menu contains the following options.

MAIN MENU

Service Organiser
Favourites
Setup
Multimedia

ℹ Select   **OK** Enter Menu

Main Menu

1. Service Organiser
Accessed from the main menu, the service list contains the details of the services that have been added into the system. The list can be scrolled through using the up and down keys. The selected channel appears with a white border. Channels can be viewed by using the 'OK' key. Channels can be deleted with the 'Red' button. The user will be asked for the PIN number each time they delete a channel (the default pin number is '0000'). The 'Green' button is used to allow service re-ordering. The 'Yellow' will allow the user to edit the service name.
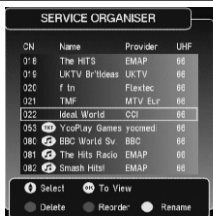
Service Organiser   PIN request for deletion

The UHF column shows the channel that the service is on.
If the user wishes to delete a service, then the first time this is selected the user must enter the PIN. This is to prevent deletion of services without a parent's content.

2. Favourites
(1). Select main menu.
(2). Scroll to favourites.
(3). Press green button to create favourite list.
(4). Press yellow to show edit list.
(5). Scroll up/down to select channel.
(6). Press OK to add to list.
(7). Repeat process to add further channels.

2.1) Favourites Edit
Accessed from the favourites menu. The order of the Favourite list determines the order the programs appear when the user surfs up and down the channels with the CH+/CH- keys. The full service list and the favourite list can be scrolled through using up and down. The two lists are selected by using the left/right keys. The selected channel appears with a white border. When the favourite list is selected the list can be re-ordered using the 'Green' key. The favourite list name can be changed by pressing the 'Yellow' key which will bring up the edit menu.
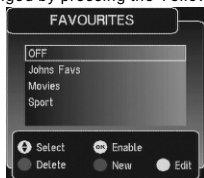
Favourite Menu   Favourite Edit

Depending on which list the user has selected the help will Change:
Left List (Service List)
Right List (Favourite List)
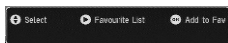
Left List Help Info
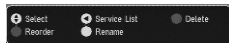
Right List Help Info

To re-order a favourite service the user must select the required service using the up/down key and then use the green key to enter re-order mode. When the green re-order is selected the user will be presented with another help:

Re-order Menu

2.2) Name Editor

This name editor menu is used to allow the user to rename a favourite group. The character selection is done by moving the highlight around a character matrix and using OK to choose the character. The new name is displayed at the top of the menu. 'CAPS' is used to toggle the letters between upper-case and lower-case and 'Delete' is used to backspace/delete the last character. When complete the 'Green' key saves the new name and exits the character matrix menu. The 'Yellow' key will cancel the current edit and return to previous menu with no name change.

Favourite Name Edit Menu

Timer Programming Menu

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3. Setup Menu

This menu options allow the user to set up the system.
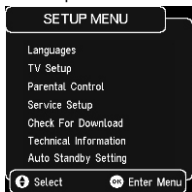
Setup Menu

Languages Menu

3.1) Languages

This menu allows the user to set-up default languages for Audio and OSD. The values are used on power up. In addition, the 'Audio' value are used on channel change.

The options are:

Audio	Selects the default audio language to be used on power-up and service change. The options are English, Welsh and Gaelic, Irish
OSD	Selects the default text language to be used in the menus and off-air service information. Only English is currently available.

3.2) TV Setup

The TV setup menu will have the following options:

TV Setup Menu
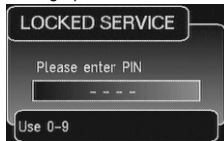
Enter PIN for locked channel

The options are:

Television type	Selects the type of TV screen that the set-top-box is connected to. The options are 4:3 and 16:9.
Widescreen	This option is only available when 4:3 is selected in the shape option. It is used to select what the user requires to be displayed for 16:9 transmissions. The options are Letterbox, Center Cutout and Full Frame.

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Standard   This option sets the SCART output mode.
                      The options are CVBS, RGB, RGB provides best
                      picture pliality

3.3) Parental control
The default Parental control PIN is **"0000".**

3.3.1) Viewing a Locked Cannel
Selecting a channel that is locked results in the following OSD being displayed:

Entering a valid PIN will give access to the required service. Locking is on a per-channel basis, so if the user switches to another locked channel they will have to re-enter the PIN to view it. The channel will remain unlocked until power-down. If the PIN is not entered then this OSD will be displayed at all normal viewing times. i.e. After leaving the menus this display will return.

3.3.2) Parental Locking via Menu Selection
The PIN must be entered to access the Parental Control menu:

Enter PIN to access Menu   Parental Control Menu
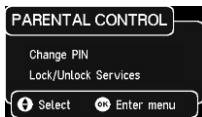
The system is supplied with a default PIN and a master PIN. The master PIN is intended to be used to over-ride the user supplied PIN if it is lost or forgotten. The master pin is 1307.

3.3.3) Parental Control Menu
Entering a valid PIN gives access to a sub menu that provides options to change the PIN, Lock and Unlock services.
When "Change PIN" or "Lock/Unlock Services" is selected then the help will change to the following:
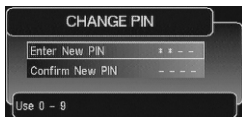
Change PIN

Lock or Unlock Services

3.3.4) Change PIN

Selecting the option to change the PIN takes the user to a further sub menu that handles the confirmation and storing of the new PIN.

The menu prompts for a new PIN. The select option allows the user to edit the numbers being entered. As each number is entered, the "-" in the display is replaced by a "*". If the entered numbers are not identical, "Numbers not identical" is displayed in the grey area.

3.3.5) Lock/Unlock Services

Selecting the Lock/Unlock Services option gives access to the service locking menu ad shown below. The program list is displayed and the user can scroll through it, using the up and down keys. The 'Select' key is used to lock and unlock access.

The 'LOCK' Icon indicates that the channel is locked.

3.4) Service Setup

Service Setup Menu

3.4.1) Full Scan Add New Services

When the 'Full Scan Add New Services' option is selected, the end of the service list is displayed. When new services are found, they are displayed at the end of the existing list in a highlighted yellow colour. During the scan a progress bar is displayed and a message giving the estimated time remaining to complete the scan.

When the scan is complete the progress bar will show 100% and a message stating how many new services have been found is displayed.

Full Scan Add New Services   Shows how many services have been added

3.4.2) Full Scan Replace Existing Services

When 'Full Scan Replace Existing Services' option is selected, the same as the 'Full Scan Add New Services' menu is displayed except that the existing services in the system are deleted before the scan starts.
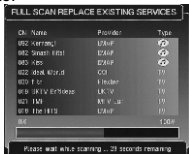
Full Scan Replace Existing Services   Manual Scan Menu

3.4.3) Manual Scan

This menu allows the user to manually tune in services. Depending on the transmission this menu will have different parameters.

Editable options are:

Channel   Sets the required UHF channel. This will automatically fill in the frequency entry.

Frequency   Overrides and sets the frequency in kHZ.

Tx Mode   Selects the required transmission mode. The options are 2K and 8K.

Guard Interval Selects the required guard interval. The options are 1/4, 1/8, 1/16, and 1/32.

Scan   Starts or stops a service scan.

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Information:

Modulation   The modulation type of the locked stream. The values can be QPSK, QAM16 or QAM64.

FEC   The FEC rate of the locked stream. The values can be 1/2, 2/3, 3/4, 5/6 or 7/8.

Network ID   The network id of the locked stream.

Transport ID The transport id of the locked stream.

Services Found Number of services found on the locked stream after a scan.

Services Added Number of services added to the system after a scan. If some of the services found are already stored then they will not be re-added.

Signal Level   A bar indicator shows the current signal level.

Quality   Bar indicator to show the current bit-error-ratio and text displaying the quality.

Before a scan is started or when a scan is started and waiting for SI information the information parameters will be filled with "----" (dashes) .

3.4.4) Info For Manual Scan Menu

When changing the connection settings, the FE connection settings will changed and the bars updated to show the current FE information.
To start a service scan the SCAN option must be selected and toggled to "Started". The user must then wait for the service information to be found and displayed.
While waiting for the service information and the services to be added the following will be displayed in the preview windows:

```
PLEASE WAIT ...
```

After the scan has completed the scan option will automatically toggle back to "Stopped".
The quarter screen preview will show the first service from the new services that have been added, along with the service name and provider name of the previewing service.
The user can then skip through the found services by using the P+ and P- keys.
If no new services are added then the preview window will stay blanked and no service or provider name will be displayed. The following will be displayed in the preview window:

```
NO SERVICES ADDED
```

If the video can't be displayed then one of the following messages will be displayed in the preview area:
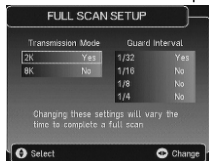
ENCRYPTED SERVICE
AUDIO SERVICE
PARENTAL LOCKED
NO SIGNAL

3.4.5) Full Scan Setup
When the "Full Scan Setup" option is selected, an option list will be displayed allowing the user to modify what parameters will be used during the full scan procedure. Depending on the platform Front-End This menu will have different parameters.

Full Scan Setup Menu

The options are:
Transmission Mode:

2K	Yes/No
8K	Yes/No

Guard Interval:

1/32	Yes/No
1/16	Yes/No
1/8	Yes/No
1/4	Yes/No

The default settings will be for the UK DTT network which is 'Yes' for 2K TX mode and 1/32 guard interval.

3.4.6) First Time Setup
This menu is used to delete all channels and settings to the first time installation, including Language, TV set, Service, Parental Control set, and then show the First time welcome screen.
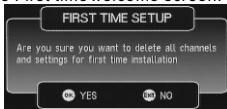
First Time Setup

Press OK key to delete all channels and settings, the following menu will be displayed:

After initialize, the welcome screen will show.

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3.5) Check For Download
The option allows the user to update the software.

SW UPDATE

Update by USB
Update by OAD

Select   Enter menu

Check For Download

3.5.1) Update by USB
This menu for the SW upgrading by USB jack.
(1) First Copy the provided *.ssu (for example, CT216T-M.ssu) upgrade file to the root directory of the USB disk and then insert the USB to the USB port of the box, you should see the USB indicator flashing while reading. (2) Select the upgrading file and press ok to start upgrading.
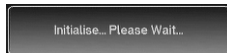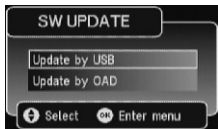(3) The upgrade progress will last for about 20 seconds as below, please don't shut down the power during update, otherwise it will destroy the box.
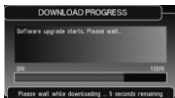
(4) The USB upgrade will clear the user setting and erase the channel list database also.
Note: The update file must have *.ssu suffix, otherwise it can't be recognised.

3.5.2) Update by OAD (Over Air Download)
(1) Notification
This menu is displayed when a new over air download is detected after power-up. This allows the user to select whether to start the download now or download later by adding the event to the timer programming table.
If the event cannot be added, then an error message will be displayed.
The user can refuse the download at this time by pressing exit (however, the download may be re-detected and indicated at next power-up).

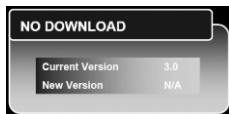Some downloads may be signalled as high priority which means the manufacturer of the receiver wants the user to perform the download. In this case the download will automatically start when detected or after leaving standby.

If a download is not available when manually checking for a download or the download becomes not available while the above menu is being shown, then the following menu will be displayed.

DOWNLOAD AVAILABLE

Current Version 3.0
New Version 4.2

Download Now
Download Later

Select   OK Enter menu
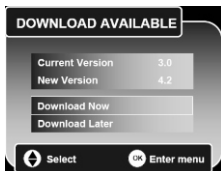
Download Available

NO DOWNLOAD

Current Version 3.0
New Version N/A

No Download

(2) Progress

During the download progress a message will be displayed which details to the user any message that the manufacturer requires this message is broadcast as part of the download and isn't hard-coded into the interface. The message may describe new features of the download or a contact number in case of download failure. A progress bar and a time remaining countdown is displayed during the download.

If the download fails the following error message will be displayed.

DOWNLOAD PROGRESS

In the event of failure please call :
Tel : xxxx xxxxxxx

0%   100%

Please wait while downloading ... 5 minute remaining

Downloading

DOWNLOAD PROGRESS

In the event of failure please call :
Tel : xxxx xxxxxxx

DOWNLOAD FAIL – Please try again later

Return

Download Fail

If the television uses one FLASH chip, the new images is download into another memory space and then written to FLASH when the new images has been verified.

During the download the user must not turn off the receiver, the following message is displayed. While this message is displayed the television will not respond to any key presses.

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Don't Switch Off the Receiver
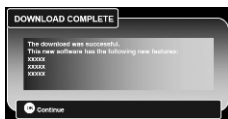
Download Completed

(3) Download message after restart
When the receiver restarts after a download, the following menu will be displayed. This can contain either a success or failure message and any other information about the new software.

3.6) Technical Information
The Technical Information screen displays the hardware version number and software version numbers. The software version numbers depend on what modules are built into the software.

3.7) Auto Standby Setting
This setting is used to put the receiver into standby if a button hasn't been pressed for a set period of time. Available options are 3 hours (default), 4 Hours or OFF.

4. Multimedia
This menu allows the user tho playback photos, music or movies by selecting from the options in the multimedia menu as shown
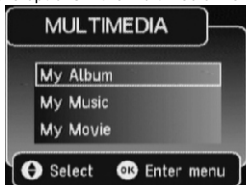
Multimedia

Insert your USB memory stick into the USB port on the side of the unit.

4.1 My Album
Select "My Album" from the menu. Thumbnails of the available images will be shown if you have images under the root folder, otherwise you need change the folder.

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Press "OK" to view. Press "OK" a second time to view all the images on your USB Memory Stick as a Slide Show.

Available Options are:
4.1.1 Thumbnail Mode

BLUE   Folder Shows the Folder containing the images
       MENU   Returns to the top level Multimedia menu
       EXIT   Exits from the Multimedia mode

4.1.2 Single Image Mode

MENU   Returns to the top level Multimedia menu

RED   Zoom   Zooms in on the image displayed

GREEN   Music Select Music to accompany your slide/s

YELLOW   Flip H   Flips Image horizontally

BLUE   Flip V   Flips Image vertically

◀ ▶   Rotate Rotates Image

▲▼   Previous or Next Image

OK   Start Slide Show

EXIT   Exits from the Multimedia mode

Photo playing

4.1.3 Slide Show Mode

MENU   Returns to the top level Multimedia menu

RED	Pause Pause Play, press again to resume
GREEN	Music Select Music to accompany your slide/s
YELLOW	Repeat Repeat show
BLUE	Period Choose from "Slow", "Middle" or "Fast" slide transitions

| ▲▼ | Previous or Next Image |

| EXIT | Exits from the Multimedia mode |

Play music during Photoplaying

4.2 My Music

Select "My Music" from the Menu. A listing of available MP3 Music files will be displayed. Use the keys to select a track then press the RED button to play.

Available Options are:
MENU Returns to the top level Multimedia menu

RED	Play / Pause
GREEN	Stop
YELLOW	Mode Select from "No Repeat", "Repeat All" or "Repeat One"
BLUE	Fast Select from three speeds "1", "2" or "3"

| ◄► | Move Use to select tracks etc. |

| ▲▼ | Move Use to select tracks etc. |
| OK | Select currently highlighted track |

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INFO Provides information on the connected USB Memory Stick
EXIT Exits from the Multimedia mode

My Album-Browser

4.3 My Movie

Select "My Movie" from the Menu. A listing of available movie files
will be displayed. Use the keys to select a movie. Press "OK" to view.

Available Options are:

4.3.1 Top Menu

INFO Provides information on the connected USB Memory Stick

◀▶ Move Use to select movies etc.

▲▼ Move Use to select movies etc.

4.3.2 Play Mode

RED   Play / Pause

GREEN   Step Step through Chapters

YELLOW   Backward Fast reverse, select speeds from 1-5

BLUE   Forward Fast forward, select speeds from 1-5

▲▼   Movie Select next or previous Movie

OK   Press to view
MENU Returns to the top level Multimedia menu
EXIT Exits from the Multimedia mode

Troubleshooting

If you experience problems with this receiver or its installation, please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged	Check mains lead
	Mains fuse blown	Check fuse
No signal found	Aerial is disconnected	Check aerial lead
	Aerial is damaged/misaligned	Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	The Scart interface is not connected properly	Reconnect the STB and the TV set
	Tuned to digital teletext channel	Retune to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Re-install channels to cancel channel lock
No response to remote control	Receiver off	Plug in and turn on receiver
	Handset not aimed correctly	Aim handset at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Handset batteries exhausted	Replace remote control batteries
After moving the receiver to another room, find can't receive the digital reception	The aerial feed may come through a distribution system which may reduce the digital signal now received by the receiver	Try a direct feed from the antenna

Specifications

Item	Specification	
Tuner	Frequency Range	UHF: 470MHz to 862MHz
	Input Impedance	75 Ohms unbalanced
	Signal Input Level	-78 ~ -25DBM
	Bandwidth	8 MHz
Demodulation	Demodulator	COFDM
	OFDM Modulation	2K, 8K FFT, SFN and MFN
	Packet Carries	2K/8K
	Guard Interval	1/4, 1/8, 1/16, 1/32
Connectors	RF IN	IEC 169-2 female connector
	TV SCART	Composite video(CVBS), RGB, audio L/R
	USB JACK	For file playback orsoftware upgrade
Power	Input	100-240V~ 50/60Hz
	Consumption	6 W max.
Display	Decoder Module	PAL
	Resolution	720 x 576(PAL);
	Aspect Ratio	4:3 (Letterbox, Center Cutout, Full Frame),16:9
Decoding	Video	MPEG2 Transport MP@ML
	Audio	MPEG2 Audio Layer I&II
Others	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right, Left, Stereo

*Specifications are subject to change without further notice.

This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed of at the end of life separately from your household waste. There are separate collection systems for recycling in the EU. For more information, please contact the local authority or your retailer where you purchased the product.