

User manual

DTI 2300

Set-up

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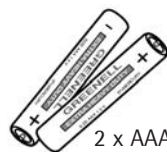
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Accessories



User Manual
Quick Guide
Guarantee card

Power Cord

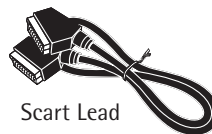


2 x AAA
Batteries

Remote Control



DTI2300



Scart Lead



THOMSON HELPLINE

You can contact THOMSON by dialing : 01788 541970
(All calls are charged at Standard Rates)

Introduction

Congratulations on your choice of this state-of-the-art Digital Top Up TV ready and Free to View Receiver. We hope you will enjoy all the new features this technology brings to your home for many years. Your dealer should have checked your postcode for reception, but the availability of Digital Signals does depend on the transmitter(s) available to your receiving aerial. If you have any doubt about this availability, please contact your dealer, or check the following internet websites:-

www.topuptv.com, www.freeview.co.uk or www.dtg.org.uk/consumer

If you experience reception problems contact our aerial helpline on 0800 5428265



Safety information

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

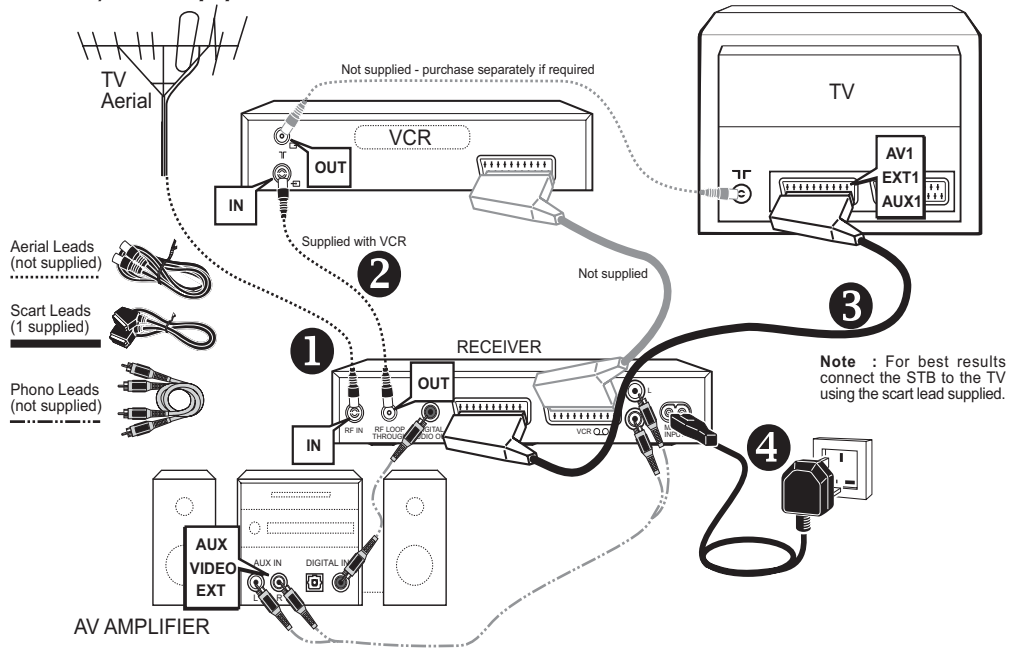
- This receiver is intended for the reception of TV picture and sound signals. Any other application is expressly prohibited.
- Avoid the long-term display of static images, e.g. menus or audio only channels.
- Do not expose the receiver to any moisture. The receiver is intended for use in dry rooms. If you wish to operate it in the open air, make absolutely sure that it is protected against moisture (rain, splashes, etc.).
- Do not place any object filled with water (vases or similar) on the receiver.
- Place the receiver on a flat and hard surface. Do not place any objects (e.g. newspapers) on the receiver.
- If placed in an enclosed unit, the all-round distance between the receiver and the sides of the unit must be at least 10cm.
- Do not place the receiver in the immediate vicinity of a heat source or in direct sunlight as this would prevent appropriate cooling.
- During a thunderstorm it is recommended that you disconnect the receiver from the mains and aerial to prevent damage from lightning strikes.
- Never open the receiver as this will invalidate your guarantee.
- Do not dispose of used batteries in normal waste. Please dispose of them at appropriate collection points.
- If you are not using the receiver for a long time (including overnight), please switch it off at the mains. This saves energy. Note that any software upgrades can take place at night at your request.
- This product has been constructed with the environment in mind. There is a minimum of plastic parts and the packaging is largely made from recycled paper. It is also disassembly-friendly allowing for easy recycling at the end of its life.
- CLEANING - Dust will collect on the unit and can be removed with dry clean cloth.
Do not spray any substance on the unit.
- CARD - Avoid removing and re-inserting the card unnecessarily, handle with care and do not clean the card with chemicals.

Set-up

Connections

How to connect the aerial, scart and co-axial cables

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



- 1 Unplug the aerial lead from your VCR (or TV) and connect it to the »RF IN« socket on the rear of the receiver.
- 2 If connecting to a VCR, connect the aerial fly-lead that came with your VCR between »LOOP THROUGH OUT« on the receiver and aerial IN on the VCR.
- 3 Connect the scart lead from the »TV SCART« socket on the receiver to the AV1/EXT1/AUX1 scart IN on your TV.
- 4 Plug the power connector into the »MAINS INPUT« socket on the receiver.
- 5 If you have a Top Up TV smart card, insert it into the slot with the gold square facing **down**.

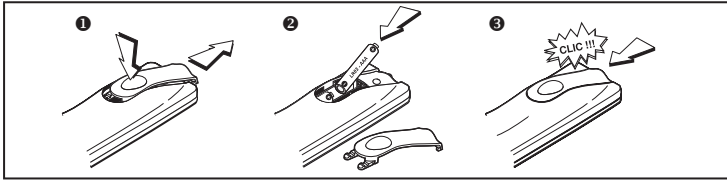
If you wish to connect the audio outputs to your Hi-Fi or AV amplifier, you will need to purchase the necessary phono cables and connect them as shown above.

Note: If you wish to continue watching analogue TV on your television, you must purchase an aerial fly-lead and connect it between the aerial IN on the TV and the aerial OUT on the VCR (or the »LOOP THROUGH OUT« on the receiver)

It is strongly recommended that the product be connected via scart leads to your TV and VCR.

Set-up

Remote control



Point the remote control at the receiver and press the STB button. If you have a compatible Thomson TV or DVD player, you can operate some of its features by pointing the handset at it and pressing the TV or DVD button. The handset will then work the TV or DVD until you press the STB button again.



STB/DVD/TV Keys
select and turn on the device you want to control. Will also change selection on a Thomson AV amplifier

+ / -
Adjust audio volume level.

Mute/Unmute audio.

EXIT
To exit a menu or get back in a sub-menu.

Up/Down arrows
Move up and down through the menu. Up arrow selects info menu.

Left/Right arrows
Move left and right through the menu. Also provides Active Zoom feature in live video mode.

AV
Switch between digital TV and analogue TV or VCR (when VCR is in play)

DVD shortcuts keys
Control directly the DVD player even if you are in TV or DVD mode on your remote control unit.

Note:

Other keys not mentioned above have no function on this model.



Turns the receiver On/Off (stand by mode). To activate very low power standby, press & hold for a few seconds. Press twice for Thomson system Off.

PR+ / PR-
Program + / Program -
GUIDE
Electronic Program Guide

MENU
Access the Main menu.
OK
Confirm a choice. Also displays channel and favourite list selection menu.

TEXT
Display text / interactive pages if available.

Colour keys
Context dependant function keys.

Numeric Keys (0-9)
Controls the numerical operations and especially changes program Directly.

SUBTITLES
Turn subtitles ON/OFF.

and the program and buttons can also be found on the receiver front panel.

Basic operation



Menu operation

To set up and work the other facilities of your receiver you will need to get used to operating the menus.

Throughout this book, we will use **BOLD** text when referring to remote control button presses, and *ITALIC* text when referring to a particular menu level.

You will be using the remote control buttons highlighted and the coloured keys, take a moment to find them now.



To use these menus, you must first press the **MENU** key which will then display the main menu.

Now choose the item (called a sub menu) that you want to look at (see the menu structure chart opposite).

You do this by using the **UP** arrow (**▲**), to move the yellow box up the list and the **DOWN** arrow (**▼**) to move it down the list.

Once you have highlighted your choice with the yellow box, press the **OK** button to move to the new menu level.



If the receiver states that a PIN number is required (Personal Identification Number), enter this now.

The default number is **0000** you can find how to change this on page 12.

In each menu, look at the bottom lines of text for more information on which buttons to press. This could be arrow buttons (**◀** or **▶**) or the coloured buttons.

Finally, when you have finished making adjustments, use the **EXIT** button to return to the TV picture. You may need to press it more than once, depending on the menu item.



Changing programs and viewing program information

To select a channel from the channel or favourite lists while watching TV:-

1. Press the **OK** button on the handset to view the channel selection list.
2. Select the channel you want to watch from the list using the **▲/▼** buttons.
3. To open or close a favourite list, select it using the **▲/▼** buttons and press the **RED** button. See page 10 for details on how to set up favourite lists.
4. Press the **OK** button to preview the channel, then press **OK** again to remove the menu.

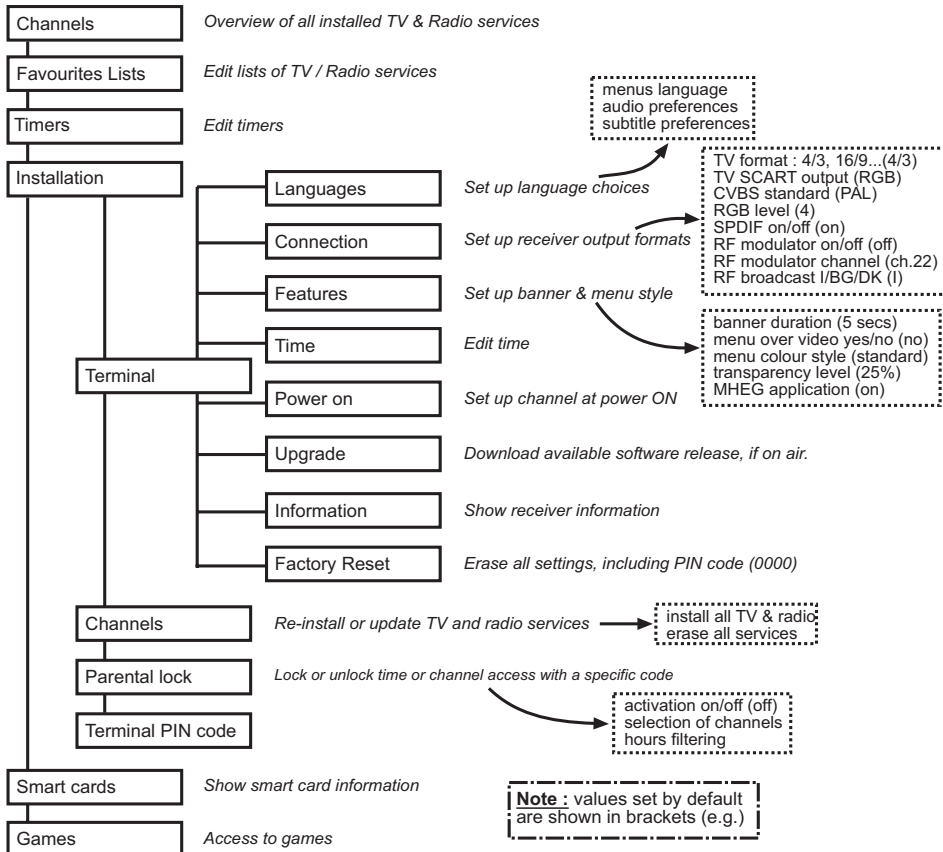
When viewing TV, if you press **▲** on the handset you will display an info banner for the channel. This allows you to change certain options appropriate to the program being shown.

Press the **YELLOW** key to display a synopsis of the current program. Press **▶** for details of the next program.

Press the **EXIT** key to return to the TV picture.

Set-up

Structure of menus



- This receiver is able to evolve. As a consequence it will benefit from free automatic software updates over the air. The manufacturer reserves the right to proceed to any software update that it would consider appropriate in order to improve the functionality of the product, without degrading the quality level. See page 13 for details.



- The receiver has a "technical help" page which can help you or the helpline resolve problems with your installation. To access this screen press the **MENU** key followed by the **RED** key.

- Be careful when using "**factory reset**", because it will erase all the data and parameters you may have set earlier (including resetting the PIN code to 0000). Once you have made a Factory Reset you will have to re-install your preferences and re-scan your channels.

Set-up

Tuning the receiver



Start up

Once the mains has been connected to the receiver, it will take up to 15 seconds to start up. If this is the first time installation, a menu will automatically appear.

Press **OK** when prompted.

If this is not the first time, follow the steps below :-

Auto tune

Once the receiver has been connected to the aerial and television, the receiver can now be tuned in.

1. Press **STB** or **⏻** on the handset to turn the receiver on.
2. Select *menu / installation / channels / install*
3. Press **OK** to start **automatic** scan.

Now wait while the receiver searches for all the available services, this may take a few minutes.

The receiver will place the services in numerical order as defined by the broadcasters.

4. Press **EXIT** to exit the menu.

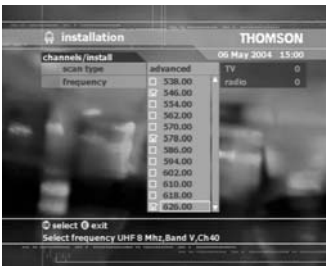
As new services become available, they will be added automatically to the channel list. To manually re-scan for new channels repeat the steps above.



Manual tune

This allows an advanced user to manually tune services.

1. Select *menu / installation / channels / install*
2. Press **▶** to select advanced.
3. Press **▼** to select the channel to search.
4. Press **OK** to mark the channel.
5. Repeat steps 3-4 until all desired channels are marked.
6. Press **EXIT** then press **OK** to start the scan.



This tuning method is faster, but you will need to know the channels you can receive in your area.

Erasing channels

Should you wish to remove all the tuned services without performing a factory reset follow :-

1. Select *menu / installation / channels / erase*
2. Press **OK** to erase, then press **OK** to confirm.
3. Press **EXIT** when finished.

Set-up

Advanced setup



Terminal (receiver settings) Setup Languages

You can choose your desired languages for Menus, Sound, Subtitles (depends on broadcast).

1. Select *menu / installation / terminal / language*
2. Choose the item to change with Δ / ∇
3. Choose option with $\triangleleft / \triangleright$

Connection

You can choose how your receiver works with other devices.

1. Select *menu / installation / terminal / connection*
2. Choose the item to change with Δ / ∇
3. Choose option with $\triangleleft / \triangleright$

Notes on settings :-

- For **TV format** choose 16:9 for a widescreen TV or 4:3 for a conventional one. Choose the setting that suits you.
- For **TV output** choose from RGB (best quality pictures for TVs that support it) or CVBS (suitable for all other TV sets).
- For **RGB level**, adjust the setting until the brightness level matches your other devices (Analogue TV/VCR/Satellite)
- **SPDIF** allows you to turn off the digital audio output.
- Turn the **RF modulator** On if you wish to connect the receiver to a TV or VCR via an aerial connection.
- The **RF modulator channel** is set by the factory to CH22. You may wish to change the channel you tune your TV to (in order to avoid interference).
- The **RF broadcast** is the TV standard that you TV can receive (normally PAL I for the UK.)



Other options

Follow *menu / installation / terminal* then choose :-

features - for how menus and text (MHEG) are displayed.

time - to adjust the time to your time zone.

power ON - to decide what is the first channel tuned to on connecting the power.

upgrade - to check for an upgrade (explained on page 13)

information - to look at certain software versions and contact details for this receiver. This information may be requested by the Thomson Helpline.

factory reset - to reset the receiver to its "out of box" condition if required. Note the PIN code is also reset to 0000.



Use

Channel lists

Channel List

This list contains all the services that were tuned in during an Auto tune or Manual tune. You can sort services or you can add them to your Favourite List for easier selection.



1. Select *menu / channels*
2. Press **YELLOW** to sort the channels, then choose :-
RED - for alphabetical sort
GREEN - for channel type (free then scrambled)
YELLOW - by frequency group
BLUE - to sort channels manually (follow on-screen instructions)
3. Once sorting is finished, press **EXIT** until message "Save modifications ?" appears Press **OK** to save and exit or press **EXIT** if you do not want to save the sorting.

Favourite List

This menu enables you to create and organise your Favourite channels lists. You can create up to 8 Favourite channel lists from the current channels list.

Access the favourite list menu be following *menu / favourite lists*.



Naming / Creating a Favourite channels list.

Press the **YELLOW** button to access the name edit menu.

- Press **RED** button to lock or unlock the capitals.
- Press **YELLOW** button to delete the selected character.
- Press **◀ / ▶** keys to select a character field.
- Press **▲ / ▼** keys to modify the character.
- Press **OK** to confirm and return to "favourites" list.

If you want to name another Favourite list, press the **PURPLE** key and repeat the procedure. The name of the current list is shown on the right hand side of the screen.

Adding Favourite channels

1. Press the **PURPLE** button to select the Favourite list to set.
2. Using **▲ / ▼** keys, select the channel and press the **GREEN** button on your remote, the channel is marked/cleared as Favourite. A symbol will appear beside the channel's name.
3. Repeat step 2 for all channels you want add to your Favourite list.
4. Press the **EXIT** button until the message "Save modifications ?" appears. Press **OK** to save and exit or press **EXIT** if you do not want to save the modifications. You can display the Favourite lists you set by pressing the **BLUE** button while you are using the TV guide.

Sorting Favourite channels list:

To sort your Favourite channels, please apply the following steps:

1. Select *menu / favourite lists*.
2. Press the **PURPLE** button to select the Favourite list to sort.
3. Press **BLUE** key to display the just the Favourite channels.
4. Sort the list in the same way as described for the channel list above.
5. Press the **EXIT** button until the message "Save modifications ?" appears.
6. Press **OK** to save and exit or press **EXIT** if you do not want to save the modifications.

Use

Timer programming

To record an analogue channel ensure that the aerial connections to your VCR are as shown in the connection diagram and use the VCR as normal.

To record a digital channel, connect the receiver directly to your VCR via the VCR scart socket on the rear of the receiver (see connection diagram). Please consult your VCR user manual for details on recording via **AV** or **AUX** inputs. For RF recordings select tuned channel on the VCR. The timer function enables the receiver to :-



- Automatically switch to channels at pre-selected times.
 - Automatically switch the receiver ON or OFF
 - Start Auto Record on the VCR (where the VCR supports scart automatic recording function, see VCR manual for details.)
1. Open the timer menu by selecting *menu / timers*
 2. Select the timer options using the **</>** and **Δ/∇** keys.
 - **Timer number:** You can select up to 32 different events.
 - **Status:** Set to "Enable" to use the timer function, or "Disable" to stop the timer functions of the timer number you selected.

- **Repetition:** Choose how often the timer event is to occur (Once, Daily, Weekly).
 - **Action:** select the action you want the timer to do.
 - TV ON:**The timer will switch on the TV (if it is in standby and connected to the receiver through a SCART cable; not all TV brands) and the VCR SCART at the programmed time.
 - VCR ON:**The timer will switch on the VCR at the programmed time (you must set your VCR timer in order to record the program, unless it supports autostart).
 - Zap to channel:**The timer will display you a message to allow you to switch to a programmed channel at the programmed time.
 - TV On/Off:**The timer will switch on and off the TV (if it is in standby and connected to the receiver through a SCART cable; not all TV brands) at the programmed time.
 - VCR On/Off:** The timer will switch on and off only the VCR SCART at the programmed time (the user must set his VCR in order to record the program, unless it supports autostart).
 - standby:**The timer will switch off the receiver at the programmed time.
 - **Day of week:** If you selected "Weekly" in the **Repetition** field, select which day you require.
 - **Date:** Press **BLUE** then, using the cursor buttons, set the date of the timer event.
 - **Start Time:**Set the starting time for the timer event. Press **YELLOW** to clear a mistake.
 - **Stop Time:**Set the ending time of the timer event when the Timer Action is "TV ON/OFF", "VCR ON/OFF" or standby. Press **YELLOW** to clear a mistake.
 - **Channel:** Press the **BLUE** button and following menu instructions, select "Global", or "Favourite lists". Finally select the channel to be shown when the receiver timer mode Powers ON. Then press **OK**.
3. Press the **GREEN** button to save and proceed with another timer event.
 4. Press the **RED** button to restore previous settings.
 - Tip:**You have to select the channel, starting time, and ending time settings if the Timer Action is "ON/OFF". An error message will appear if any of the settings are incorrect.
 5. Press the **EXIT** button until the message "Save modifications ?" appears.
 6. Press **OK** to save and exit or press **EXIT** if you do not want to save the settings.

A suitably equipped VCR will record automatically during this time. Please note that unless your VCR supports automatic scart recording **YOU MUST ALSO SET THE VCR TIMER.**



Use

Parental controls

You can use parental control to create viewing restrictions on your receiver. First create your own Personal Identification Number (PIN) as shown below.



Select *menu / installation / terminal PIN code*.
Enter your current PIN (default = 0000) & press **OK**
Now enter your new PIN & press **OK**
Now re-enter your new PIN to confirm & press **OK**

Your new PIN code is now stored. **KEEP IT SAFE!!**



Now select *menu / installation / parental lock*
Select the various options using the **◀/▶** and **▲/▼** keys.



Activation - switch controls on/off

Turn on/off the lockout modes.

Menu lock requires a PIN to enter any menus.

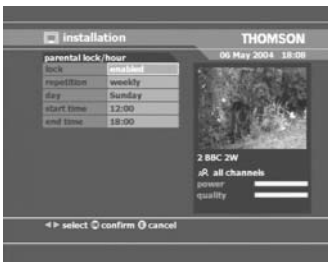
Channel lock allows certain channels to be locked.

Hour lock prevents channels being viewed at certain times.



Channels - lock specific channels

1. Select the channel you wish to lock.
2. Press **GREEN** to Lock/Unlock it (a padlock appears).



Hour - lock channels at specific times

1. Select the channel to be locked.
2. Press **GREEN** to edit the channel details
3. Select the various options using the **◀/▶** and **▲/▼** keys
 - **lock** enable/disable the channel lock
 - **repetition** how often the channel is to be locked
 - **day** if locked **weekly**, which day
 - **start time / end time** channel locked between times provided.

For all of the options above, Press **OK** to save and exit or press **EXIT** if you do not want to save the modifications.

Use

Program guide

To display the TV program guide, press the **GUIDE** key. This shows the program guide data provided by the broadcasters. This ranges from what's on now and next to a full 8 days worth of data.



- To select a different program, press the **</>** keys.
- To move through the program list press the **Δ/∇** keys.
- To move forwards and backwards through the guide, press **GREEN** for next and **RED** for previous day.
- To see details about a selected program press the **YELLOW** key.
- To view the selected channel press **OK** or press **EXIT** to return to the original channel.



Upgrading your receiver

From time to time new services are launched which may require your receiver to be upgraded with new software before you can use them. Sometimes new features may be introduced to enhance your receiver. A menu is automatically displayed when a new "Over-Air Upgrade" is detected.

Follow the instructions on screen to upgrade your receiver.

Check for upgrade

You can manually check to see if new software is available for download. If there is one available, you will see it listed.



To check:-

1. Select *menu / installation / terminal / upgrade*.
2. If there is an item to download, select it using **Δ/∇** keys and press **OK**.
3. If no download is available, press **RED** to scan all frequencies for a download.
4. If there is still no download available, press **EXIT**.

The download can take up to 30 minutes or be slow to start, so please be patient. After the download, details about the new software may be displayed for you. There may also be a telephone number to call in case of any difficulty.

If the download fails, try again later.



During the download, **DO NOT** switch off the receiver!

Use

Trouble shooting and technical information

Trouble Shooting

Not every picture or sound problem is caused by a defect in your Digital Terrestrial Receiver. Leads having been accidentally pulled out or worn out batteries in the remote control can also cause impairment. If your unit does something unexpected while you are using it, please unplug it, wait a few seconds then plug it in again. If this fails to solve the problem or the following measures do not bring about satisfactory results, please consult an authorised dealer.

FAULT	CAUSE/REMEDY
Receiver does not respond to the remote control	Press STB button on handset. Unit is in low power standby. Press Standby button on unit. Point the remote control directly at the receiver. Remove all obstacles which may impair the path of the remote control signal. Check or replace the remote control batteries.
No Picture Disrupted Picture	Check all connections at the rear of the unit Check RF IN connection. Ensure cables to TV are inserted correctly Select AV channel on TV set Replace aerial outlet plate with shielded type
No Sound	Check all connections at rear of unit
No Power	Check mains plug is inserted correctly and receiver is switched on
No Teletext	Check features menu and ensure MHEG application is switched on

Technical Information

This product fulfils the European directives 89/336/EEC, 73/23/EEC and 93/68/EEC. This device conforms to the safety regulation EN 60065 and therefore the international safety regulation IEC 60065.

You may not open the Digital Terrestrial Receiver. The manufacturer accepts no liability for damage resulting from improper handling

Mains voltage:
230V~, 50/60Hz

Power consumption:
Operating approx. 10W. Low power standby <1W

Ambient temperature:
+10°C to 35°C

Audio Format:
Analogue : Stereo Sound
Digital : SPDIF (stereo)

Dimensions and weight
Dimensions : W x H x D - 252 x 43 x 153mm Weight : Approx. 0.7Kg

Video:
Signal to noise : 73dB
Video jitter : 1ns

Audio:
Signal-to-noise: 95dB
Interchannel isolation : 90dB

Safety information

Mains connection

This receiver is suitable for use on A.C. mains supply, 220-240 V - 50 Hz only.

It must not be connected to D.C. mains.

Note: The mains lead of the receiver is fitted with a moulded plug. If the mains sockets are not compatible or if for any reason the plug is removed please follow the directions below.

The moulded plug cannot be rewired and if removed must be disposed of safely. Remove the fuse to make it safer.

Do NOT under any circumstances plug the severed plug into any mains socket as this could result in an electric shock.

Important!

If the plug is removed, rewire new plug as follows: The wires in the mains plug are coloured in accordance with the following code:


BLUE - NEUTRAL

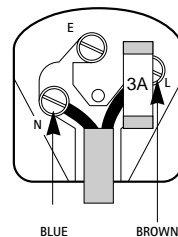
BROWN - LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

BLUE wire to the terminal coded N (Neutral) or coloured black.

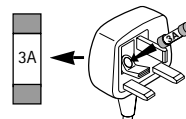
BROWN wire to the terminal coded L (Live) or coloured red.


Do NOT make any connection to the terminal in the plug which is marked by the letter E or by the safety symbol  or coloured green and yellow.



A fused plug must be fitted with a 3A fuse approved by ASTA or BSI to BS 1362 and fuse covers must always be securely replaced.

If the fuse blows, check the mains cable for damage or call a qualified technician. Do not try to bridge the fuse or increase its rating!



! The OFF button  on the remote control and the receiver does not completely disconnect the unit from the mains supply, but switches operating power on and off.

Your guarantee

Dear Customer,

Thank you for purchasing this THOMSON product and for your confidence in our company. This product meets applicable safety requirements and has undergone stringent testing during manufacture.

However, should there occur a defect, the product or its defective part(s) (excluding accessories and consumables) will be repaired free of charge (labor and parts) or, at THOMSON discretion, exchanged for a similar item, provided that it has been returned within 12 (twelve) months from the date of original purchase (date of receipt), is defective in materials and/or workmanship and has been bought in any of the following countries: F, I, E, P, GB, IRL, D, CH, A, B, L, NL (Territory) or in a Duty-free shop in the named countries.

This guarantee will be granted only upon presentation of the original invoice or cash receipt, indicating the date of purchase and dealer's name. The benefits of this guarantee may be refused if the invoice, cash receipt or guarantee card has been altered in any way, deleted or made illegible after the original purchase.

This guarantee does not apply to any of the following:

1. Damage caused by accidents including, but not limited to, lightning, fire, water;
2. Transport costs between the home and place of service and other costs and risks of transport relating directly or indirectly to this guarantee;
3. Damage to the product resulting from neglect, misuse, including but not limited to, failure to use, repair and/or install the product for its normal domestic purposes and/or in accordance with the operating instructions on its proper installation and use;
4. Modifications, adaptations and alterations of the product to operate in a country other than that for which it was originally designed and manufactured, or any damage resulting from such modifications;

These statements do not affect your statutory rights as a consumer under applicable national legislation in force, nor your consumer's rights against the dealer from whom you bought the product.

If you need service, whether or not under guarantee, please approach the dealer who sold you the product.

In your own interest we advise you to read the instruction booklet for your THOMSON product carefully before contacting your dealer or service center.

If you need service while in a country (within the named Territory) other than the one where you bought your product, please contact the nearest THOMSON InfoCenter.

Should you have any questions which your dealer is unable to answer, please contact:

THOMSON InfoCenter (UK, IRL)
 THOMSON Sales UK Ltd.,
 30 Tower View
 Kings Hill
 West Malling
 Kent ME19 4NQ
 tel. 44 (0) 173 252 0920
 fax. 44 (0) 173 252 0921
<http://www.thomson-europe.com>

DTI 2300

Model

THOMSON Sales UK Ltd
30 Tower View - Kings Hill
West Malling - Kent ME19 4NQ
England

<http://www.thomson-europe.com>



Dealer's address

