THOMSON

THT105
Digital
Freeview
Receiver

User manual

Look, Listen & Live

www.thomsonstb.net

Please read this User Manual carefully to ensure proper use of this product and keep this manual for future reference.

Important Safety Instructions
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings, install in accordance with the instructions.
8. Do not install near any heat sources such as radiations, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protected the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lighting storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.
15. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.
16. No naked flame sources, such as lighted candles, should be placed on the apparatus.
17. Attention should be drawn to the environmental aspects of battery disposal.
18. The use of apparatus in moderate climate.
19. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

WARNING: *To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.*

WARNING: *The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.*

The symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

The symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

The symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts.
When servicing use only identical replacement parts.

The USB memory stick should be plugged in the unit directly. USB extension cable should not be used to avoid failing of data transferring and interference caused.
When the apparatus was in electrostatic circumstance, it may be malfunction and need to reset by user.

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1.0 INSTRUCTION

1.1 Safety Instructions

DO NOT INSTALL YOUR RECEIVER:
• In a closed or poorly ventilated cabinet; directly on top of or under any other equipment; on a surface which might obstruct the ventilation slots.

DO NOT EXPOSE THE RECEIVER OR ITS ACCESSORIES:
• To direct sunlight or any other equipment that generates heat; to rain or intense moisture; to intense vibration and to any shock which may cause permanent damage to your receiver or to any magnetic objects, such as loudspeakers, transformers, etc.
• Do not use a damaged power cord. It may cause a fire or an electrical shock. Do not touch a power cord with wet hands. It may cause an electric shock.
• When the receiver is not used for a long period of time, you should unplug the power cord from the wall socket.
• Do not use alcohol or ammonia based liquids to clean the receiver. If you wish, you may clean your receiver with a soft lint-free cloth slightly made damp with a mild soap solution, only after disconnecting from the mains voltage supply. Make sure no foreign objects fall through the ventilation slots because this could cause fire or an electric shock.
• Do not place any objects on top of the receiver because this might prevent proper cooling of the components inside.

Safety Precautions
• Never open the receiver cover. Doing so will void the warranty. It is dangerous to touch the inside of the receiver due to high voltage currents and possible electrical hazards. Refer all maintenance or servicing to qualified service personnel.
• When you are connecting cables, be sure that the receiver is disconnected from the mains supply. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment.
• Use only approved extension cords with compatible wiring that is suitable for the electrical power consumption of the installed equipment. Please ensure that the electrical power supply corresponds with the voltage on the electrical identification plate at the back of the receiver. If the receiver does not operate normally even after strictly following the instructions in this user manual, it is recommended to consult your dealer.

1.2 Electrical information

Important
This box generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communication. However, this is no guarantee that interference will not occur in a particular installation. If the TV does cause harmful interference to electrical devices, which can be determined by turning the box off and on, the user is encouraged to try to correct the interference by one of the following measures:
• Re-orient or relocate the receiving aerial.
• Increase the separation between the external device and the box.
• Connect the external device into an outlet on a circuit different from that to which the box is connected.
• Consult the dealer or an experienced Radio/TV technician for help.

Mains supply

The mains operating voltage is detailed on the rear of the box.

The mains lead on this box may be supplied with a moulded plug incorporating a fuse. Should the fuse need to be replaced, an ASTA or BSI approved BS1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the cover removed. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. If there is no alternative to cutting off the mains plug, dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

1.3 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children. For transporting the receiver from one place to another or if you are returning it under warranty conditions, make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.4 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow the instructions below:
- Refer to the user manual of your TV and antenna.
- Use well shielded SCART cable(s).

This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.

WARNING	Indicates warning information.
NOTE	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control or the receiver.
(Bold Character)	
Move to	Represents a menu item within a window.
(Italic Character)	

1.5 Accessories

- User Manual and Quick start guide
- 1 Infrared Extender
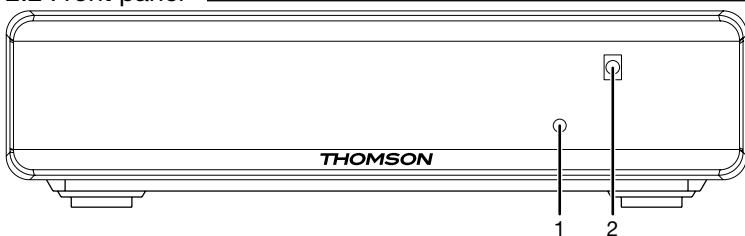- 1 Remote control unit
- 2x Batteries (AAA type)

2.0 YOUR RECEIVER
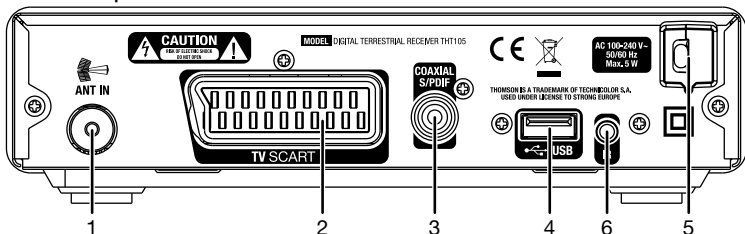
2.1 PIN-CODE DEFAULT: 0000

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2.2 Front panel

1. **STANDBY INDICATOR**   Used to visually show power state of the set top box, the green LED will be light if turned on the set top box and the red LED will be light if the set top box entered standby mode.
2. **REMOTE CONTROL SENSOR** Used to receive the signal from the remote control.

2.3 Rear panel

1. **ANT IN**   This socket connects to your external aerial.
2. **TV SCART**   This socket connects to your TV.
3. **COAXIAL**   This socket connects to a coaxial socket on your surround sound system.
4. **USB JACK**   Used to connect to an external USB device.
5. **MAINS CABLE**   This is used to connect to your main power supply.
6. **IR IN**   This socket connects to the IR extender.

2.4 Remote Control

1.	⏻	Turns the receiver On/Standby
2.	**FAV**	Favourite group selection
3.	**TV/R**	Toggles between TV and RADIO mode
4.	**0~9**	Channel selection or value input
5.	**PG-/PG+**	Scroll page wise in lists
6.	**BACK**	Step back in menu.
7.	*i*	Shows the actual channel information
8.	**▲/▼**	Menu Off: Change channel to previous/next.
		Menu On: Moves the cursor up/down.
9.	**◄/►**	Menu Off: Increases/decreases the volume level.
		Menu On: Change settings for specific Menus
10.	**OK**	Menu Off: No Function
		Menu On: Activates the highlighted menu item.

11. **MENU**	Opens the main menu/ in menu you will get one step back	
12. **EXIT/SORTIE**	Exits from the menu or sub-menu	
13. **GUIDE**	Shows the EPG (Electronic Program Guide) in TV mode	
14. **V+/V-**	Volume up/down	
15. **⊗**	Mutes audio output of the receiver	
16. **P+/P-**	Program +/- (up/down in menu)	
17. **SUB**	Shows the list of subtitle languages	
18. **TXT**	Shows MHEG-5 on OSD (On Screen Display) (if available)	
19. **AUDIO**	Shows the list of audio settings	
20. **LIST**	Channel Organiser	
21. **OPT**	No function	
22. **⊞**	No function	
23. **◀I**	No function	
24. **◀◀/▶▶**	No function	
25. **I▶**	No function	
26. **●**	No function	
27. **▶**	No function	
28. **II**	Screen Freeze, Pause in Media Player	
29. **■**	Stops playback of the selected file in Media Player	
30. **RED**	Media Player function	
31. **GREEN**	Media Player function	
32. **YELLOW**	Media Player function	
33. **BLUE**	Media Player function	
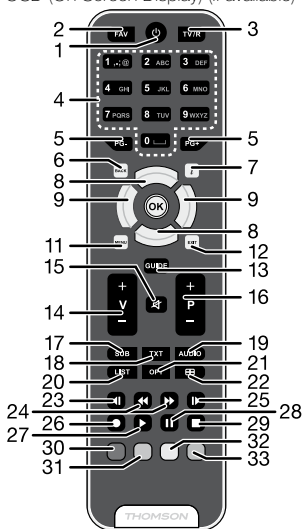
2.5 Installing the Batteries

Remove the rear side from the remote control by using the groove at the side and install 2 x AAA size batteries inside the compartment. The diagram inside the battery compartment shows the correct way (polarity) to install the batteries.
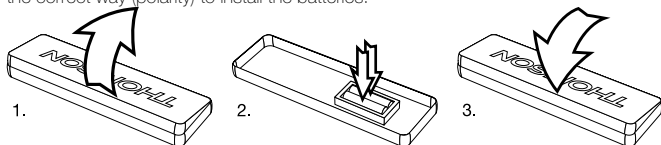
1. Remove rear side.
2. Install batteries.
3. Replace rear side.

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2.6 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.

30° 30°
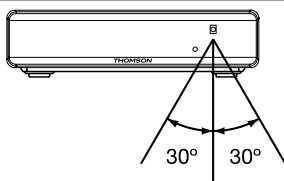
TIP: *Sunlight or very bright light will decrease the sensitivity of the remote control.*

3.0 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.*
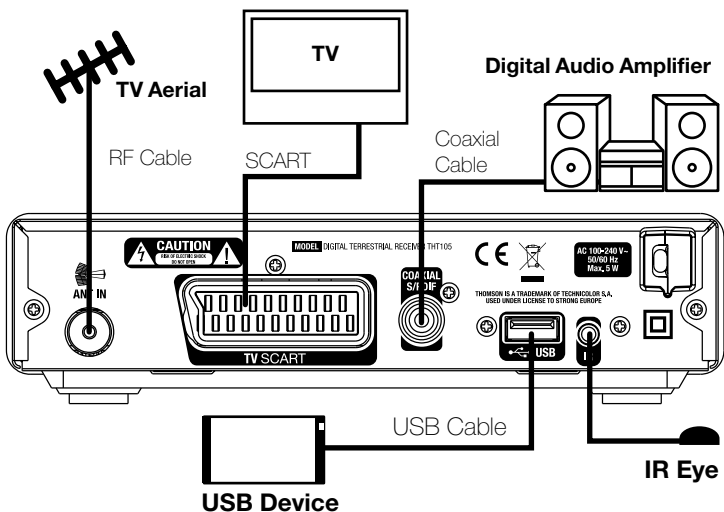
NOTE: *When connecting the receiver to other equipment, e.g., TV, VCR and amplifier, make sure to refer to the relevant user manual for instruction. Also, make sure you disconnect all the equipment from the mains supply before making any connections.*

4.0 USER INTERFACE

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

4.1 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 you to press the **OK** key to start a full frequency service scan.

4.2 Volume Control

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

4.3 Mute Symbol

Pressing the ⊗ key mutes the sound and a symbol is displayed. Press the ⊗ key again to exit mute.

4.4 Screen Freeze

Pressing the **II** key will freeze the screen and a pause symbol will be displayed. Press the **II** key again to exit freezing.

4.5 Direct Digit Entry

When you initiate a channel change using the number keys, you 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.

4.6 TV/Radio select

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

4.7 Digital Information

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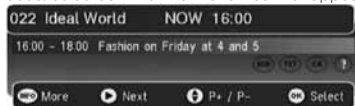
Now Information

Next Information

4.7.1 First level 'Now' Information

You 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 ▲/▼ 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

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banner will be removed after 4 seconds. In addition you can toggle between 'Now' and 'Next' information using the ◄/► keys. To display 'Next' information from the 'Now' banner, the user press the ► key.

4.7.2 First level 'Next' Information

You can return from 'Next' to 'Now' Information using the ◄ key.
A second press of the *i* key will bring up the extended program information, and example is shown below.

4.7.3 Extended 'Now' Information


```
022  Ideal World      NOW 16:00

16:00 – 18:00  Fashion on Friday at 4 and 5
A fantastic selection of this seasons fashion brought to you
in the comfort of your own home.



[LIFESTYLE]
                                        (SUB) (TXT) (CA) (?)
(INFO) Exit      (►) Next      (i) P+ / P-      (OK) Select
```

Extended Information

Again, you 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 ◄/► cursor keys will toggle extended info for 'Now' and "Next". A third press of the *i* key clears all on screen information.
Icons are used to notify you of some information about the displayed event:
(SUB) DVB subtitles are available for this programme.
(TXT) An MHEG application is available for this programme.

(SUB) DVB subtitles are NOT available for this programme.
(TXT) An MHEG application is NOT available for this programme.
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 you 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 ages 0 – 5. Broadcast age rating 0-5.
(?) The event has NOT been given an age rating and may contain unsuitable content.

4.7.4 Channel Change OSD Banner

This is the graphic seen after using P+/P- or when a direct digit entry channel change is completed. It times out after 4 seconds If P+/P- 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 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:

018 The HITS 15:56	NO SERVICES --:-- --/--/----
13:00 - 16:00 Classic Hits Weekend	Select the SERVICES SETUP menu to add new services
16:00 - 18:00 StarDate	
Johns Favs	

Channel Change Banner   No service are stored in the receiver

024 SKY ONE	053 YooPlay Games 16:09
ENCRYPTED SERVICE	DATA SERVICE
My Favs 1 (NEW)	Johns Favs (TXT)
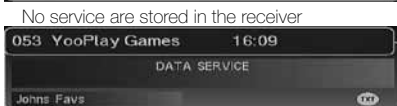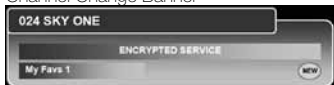
This service is encrypted   This data/MHEG only service

081 The Hits Radio 15:56	021 TMF
14:00 - 16:00 Wayne	NO SIGNAL
16:00 - 17:00 You Call The Hits	

This is a audio only service   No Signal

4.7.5 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 ▲/▼ 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

ENG	Unknown type
UND	Unknown type

🔂 Select   OK Accept
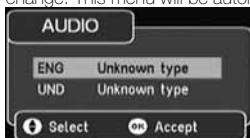
Audio Menu

4.7.6 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 ▲/▼ 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

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4.7.7 Data Service Loading

If the **TXT** 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.

4.7.8 TV Guide

Pressing the **EPG** key displays the following guide menu.

TV GUIDE		16:06		
16:00 – 17:00				
TMF Top 10				
Join TMF for a daily Top 10 countdown				
of the latest videos.				
			TMF	
CN	Name	16:00	19/11	18:00
018	The HITS	StarDate		
019	UKTV Br'tidea	Good Foo	Gardens	Water Ga	Garden E
020	f tn	Ftn		
021	TMF	TMF Top 10	Matchmaker	
022	Ideal World	Fashion on Friday at 4 and 5		

❶ Select	◆ Scroll	🆗 To View	ⓘ Preview
● Timer		● – Day	● + Day

EPG menu

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

Also a video/audio preview is given which shows the programme that is currently being watched if the user selects the *i* 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 **GREEN** key to set a reminder. If the video cannot be displayed then one of the following messages will be displayed in the preview area:

ENCRYPTED SERVICE	DATASERVICE
AUDIO SERVICE	CENSORED SERVICE
PARENTALLOCKED	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.

5.0 MAIN MENU

The Main Menu contains the following options.

MAIN MENU

Channel Organiser
Favourites
Setup
Multimedia

Select   **Enter Menu**

5.1 Channel 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 ▲/▼ keys. The selected channel appears with a yellow border. Channels can be viewed by using the **OK** key. Channels can be deleted with the **RED** button. You 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 you to edit the service name.

CHANNEL ORGANISER

CN	Name	Provider	UHF
008	3FM	Digiten	50
009	Radio 4	Digiten	50
010	Radio 5	Digiten	50
011	Radio 6	Digiten	50
012	FunX	Digiten	50
070	CBBC Channel	BBC	22
080	BBC NEWS	BBC	22
105	BBC Red Butto	BBC	22
301	301	BBC	22

Select   **To View**
Delete   Reorder   Rename

Channel Organiser

PIN

Please enter PIN to
allow service deletion

- - - -

Use 0-9   Cancel

PIN request for deletion

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

5.2 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 ▲/▼ to select channel.
6. Press **OK** to add to list.
7. Repeat process to add further channels.
8. Press **RED** to delete a selected favourite group or a selected channel.

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5.2.1 Favourites Edit

Accessed from the favourites menu. The order of the Favourite list determines the order the programmes appear when the user surfing up and down the channels with the P+/P- keys. The full service list and the favourite list can be scrolled through using ▲/▼. The two lists are selected by using the ◄/► keys. The selected channel appears with a yellow 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.
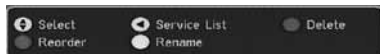

Favourite Menu

Favourite Edit

Depending on which list you have 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 you must select the required service using the ▲/▼ key and then use the **GREEN** key to enter re-order mode. When the green re-order is selected you will be presented with another help:

Re-order Menu

5.2.2 Name Editor

This name editor menu is used to allow you 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

6.0 SETUP MENU

This menu options allows you to set up the system.

Setup Menu   Languages Menu

6.1 Languages

This menu allows you to set-up default language for audio. This value will be used on power up. The options are:

Audio: Selects the default audio language to be used on power-up and service change. The options are *English*, *Welsh*, *Gaelic* and *Irish*.

OSD: Selects the default text language to be used in the menus and off-air service information. Only English is currently available.

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6.2 TV Setup

The TV setup menu will have the following options:

TV Setup Menu

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 Cut out* and *Full Frame*.

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

6.3 Parental control

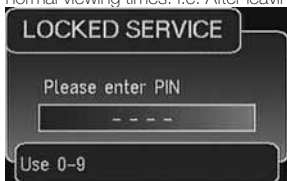The default Parental control PIN is "0000".
In this menu you can Change the PIN and Lock/Unlock Services.

6.3.1 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 you switch to another locked channel you 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.
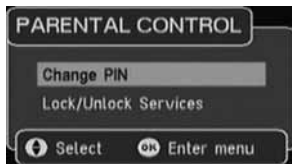

Enter PIN for locked channel

6.3.2 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. The default Parental control PIN is "0000".

6.3.3 Parental Control Menu
Entering a valid PIN gives access to a sub menu that provides options to change the PIN or Lock and Unlock services

6.3.4 Parental Locking Change PIN
Selecting the option to change the PIN takes you 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 you to edit the numbers being entered. As each number is entered, the "-" in the display is replaced by a "*". Pressing the **OK** key causes the confirmation input line to be highlighted and the process to be repeated. If the entered numbers are not identical, *"Numbers not identical"* is displayed in the grey area.
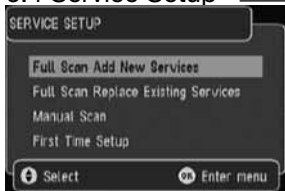
6.3.5 Parental Control Lock/Unlock Services
Selecting the *Lock/Unlock Services* option gives access to the service locking menu ad shown below. The program list is displayed and you can scroll through it, using the up and down keys. The *Select* key is used to lock and unlock access.
The 🔒 Icon indicates that the channel is locked.

6.4 Service Setup

Service Setup Menu

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6.4.1 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

6.4.2 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

6.4.3 Manual Scan
This menu allows you 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.

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).

6.4.4 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"*. You 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.
You can then skip through the found services by using the **PG+** and **PG-** 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:
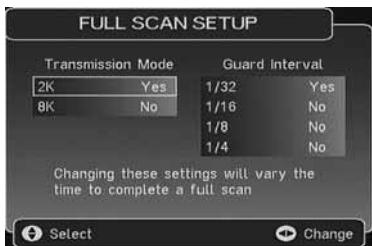
NO SERVICES ADDED

If the video can't be displayed then one of the following messages will be displayed in the preview area:

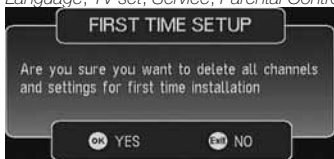**ENCRYPTED SERVICE**

AUDIO SERVICE

PARENTALLOCKED
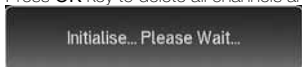
NO SIGNAL

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Full Scan Setup Menu

6.4.5 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.
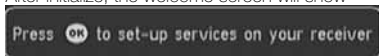

First Time Setup

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

After initialize, the welcome screen will show

After Pressing **OK**, a full scan replacing existing services screen will be presented.
Once the scanning process is finished, the first program in the list will be showed.

6.5 Check For Download

The option allows you to update the software.

Check for Download

6.5.1 Update by USB

This menu for the SW upgrading by USB jack.

1. First Copy the provided *.ssu (for example THT105_version_3.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 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 postfix, otherwise it can't be recognised.*

Software Upgrading

6.5.2 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 you 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. You 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 you 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

Not Available

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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 are displayed during the download.

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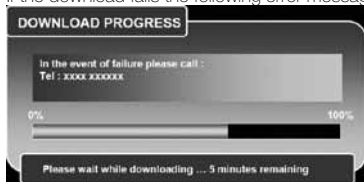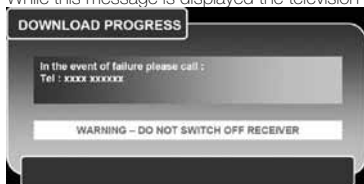

Downloading
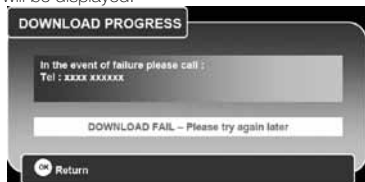
Download Fail

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

During the download you 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.

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.

6.6 System Information

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

6.7 Inactivity Settings

Here you can adjust the automatic standby function of your receiver. Possible settings are: 3 Hours or 4 Hours after the last press of a button or OFF. If OFF is selected, the receiver will not automatically switch to standby mode.

7.0 MULTIMEDIA

This menu for the media playback, Multimedia must be used with external USB device, otherwise the message *"Device is not ready!"* will be displayed, remove device when playing, the message *"Device is removed!"* will be displayed.

7.1 My Images

My Images can play most JPG/BMP/GIF photos and operate it, if there are photos in device root folder, it will start at *Thumbnail* mode, otherwise it will start at *Folder mode*, and ask you to select a folder as below.

`Press ● to choose your photo folder`

Thumbnail/Folder

The info (Width x Height and date) of selected photo will be displayed at the left bottom at Thumbnail mode.

My Album-Thumbnail

My Album-Browser

During playing, you can *Zoom*, *Flip*, *Rotate*, *Slide* the pictures according to the operation. For help, press *i* key. You can even play the background music during the photo playing.

Photo playing

Play music during Photo playing

7.2 My Music

My Music can play most MP3/WMA files. It displays progress bar, audio spectrum, current playing time and total time while playing, Press *i* button you can select device.

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Music Playing

8.0 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 Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damages/misaligned Out of data signal area	Check aerial lead Check aerial
No picture or sound	The Scart interface is not connected properly tuned to digital text channel	Reconnect the STB and the TV set Retune to another channel
Mosaic block 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 Handset not aimed correctly Front panel obstructed Remote control batteries are inserted incorrectly Handset batteries exhausted	Plug in and turn on receiver Aim handset at front panel Check for obstructions Check batteries direction Replace remote control batteries
After moving the receiver to another room, there is no receiver 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

9.0 TECHNICAL SPECIFICATIONS

Technical Specifications:
MPEG-2 video decoder
Video resolution: 720 x 576 pixels (PAL)
Aspect ratio: 4:3, 16:9

Multimedia:
Audio playback: MP3 and WMA formats
Picture view: JPG, BMP, GIF format

Connectors:
ANT IN - IEC Female
TV SCART (RGB, CVBS)
S/PDIF: coaxial output
IR sensor input
USB port, 5 V DC/500 mA (max.) supported

General Data:
Supply voltage: 100 - 240 V AC (SMPS), 50/60 Hz
Power consumption: 4 W (typ), 5 W (max)
Power consumption in Standby: 1.00 W
Operating Temperature: 0 ~ 40 °C
Storage Temperature: -30 ~ 80 °C
Operating Humidity Range: 10 ~ 85 %, RH, non-condensing
Size (W x D x H) in mm: 183 x 128 x 46
Net-weight: 0.35 kg

EAN code THT105: 8717185445923