

THOMSON

THT503

*Digital
Terrestrial
HD Receiver*

User manual
Bedienungsanleitung
Manuel d'Utilisateur
Manuale utente
Manual del usuario
Manual do Utilizador
Uživatelská příručka
Návod k obsluze
Instrukcja obsługi
Ръководство на
потребителя

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Fig. 1

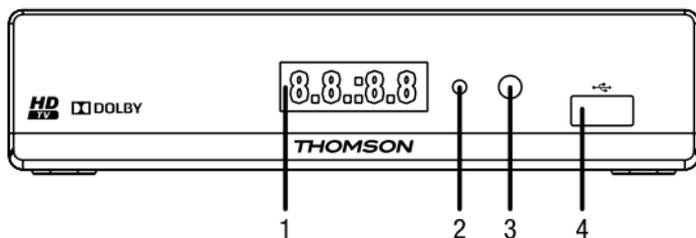


Fig. 2

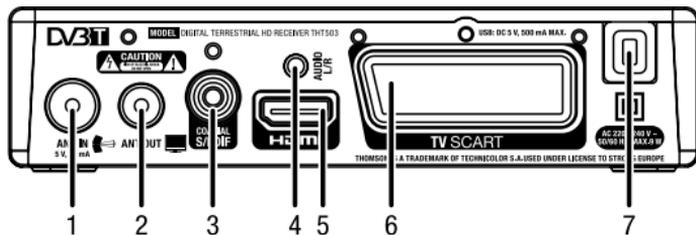


Fig. 3

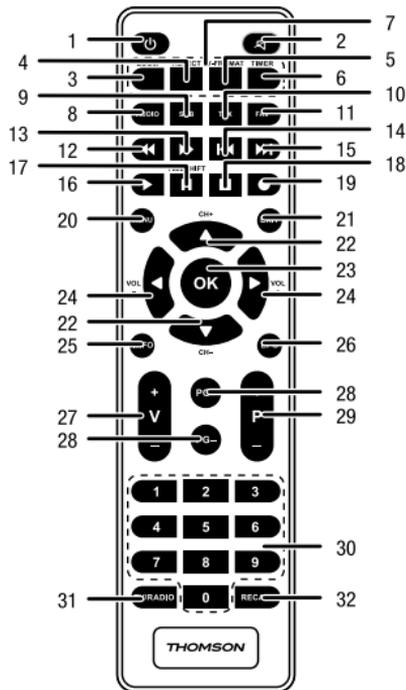


Fig. 4

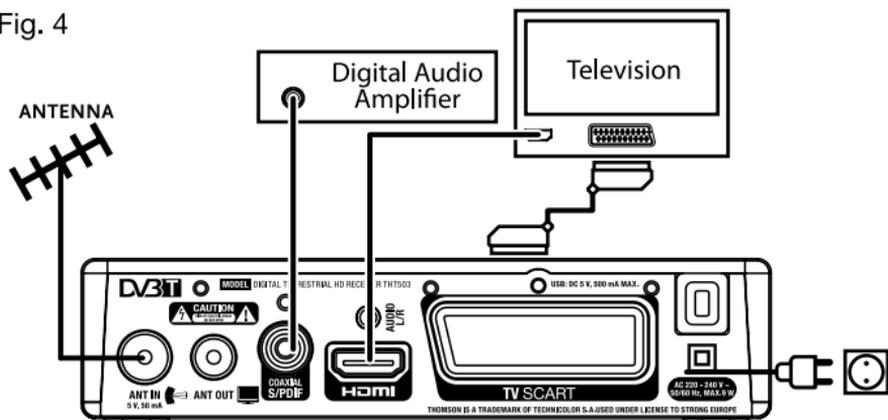


Fig. 5

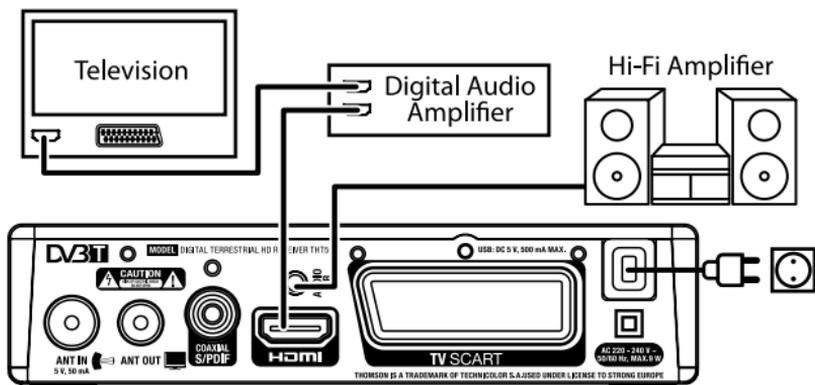


Fig. 6

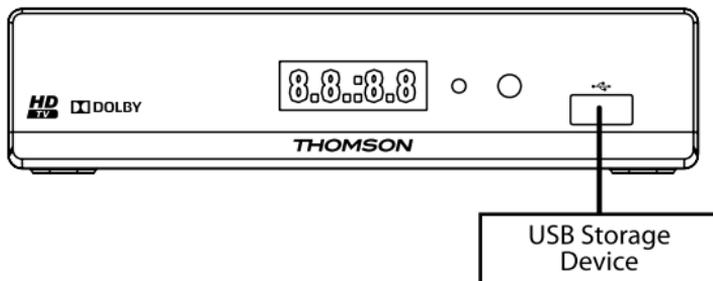


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1.0 INTRODUCTION ---

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 electric 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, and 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 try to open the receiver. It is dangerous to touch the inside of the receiver due to high voltages and possible electrical hazards. Opening the receiver will void the warranty of the product. Refer all maintenance or servicing to suitably qualified personnel.
- When you are connecting cables, be sure that the receiver is disconnected from the mains supply voltage. Wait a few seconds after switching off the receiver before you move the receiver or disconnect any equipment.
- It is a necessity that you only use an approved extension and 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 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. When 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 damage the product and void your warranty.

1.3 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.
 - Make sure that the HDMI cable and outdoor components are in a good condition.
 - Connect one end of a good quality HDMI cable to the HDMI output on your receiver and the other end to the HDMI input of your TV.
 - If you use TV SCART connection, use then well shielded SCART cable.
- This manual provides complete instructions for installing and using this receiver. The following symbols will serve as follow.

Warning	Indicates warning information.
Tips	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control or the receiver. (Bold Characters)
<i>Move to</i>	Represents a menu item within a window. <i>(Italic Characters)</i>

1.4 Accessories

- User manual
- 1 remote control unit
- 2x batteries (AAA type)

WARNING: *The batteries should not be recharged, disassembled, electrically short-circuited, be mixed or used with other types of batteries. If rechargeable accumulators instead of batteries are going to be used (e.g. NiMH), we recommend using types with low self-discharge to ensure long time operation of your remote control.*

1.5 Usage of external USB devices

- It is recommended to use USB 2.0 storage devices or higher. If your device is not compatible to USB 2.0 specifications, recording, playback and other multimedia functions of the receiver might not work properly.
- To ensure best performance of your USB storage device please format it via your receiver (through the menu "Media") to FAT32 system. Other file systems are not supported by the receiver. However, it is possible to use already NTFS formatted disks.
- THOMSON cannot guarantee compatibility with all types of USB storage devices.
- If you are going to use external USB HDDs (Hard Disk Drives), please consider that power specifications may exceed the supported output of your receiver (max.5 V/500 mA). If so, please connect your USB HDD to an according external power adapter.
- It is advised not to store important information on USB storage devices used with the receiver. Always make backups of data on your USB storage device before using it with this receiver. THOMSON will not take responsibility for any loss of information or circumstances caused by loss of information.

2.0 YOUR RECEIVER

2.1 DEFAULT PIN: 1234

2.2 Front Panel

Fig. 1

1. **Display** Indicates current time in STANDBY mode or current channel number in OPERATING mode
2. **Mode indicator** RED indicates that the receiver is in STANDBY mode.
GREEN indicates that the receiver is in OPERATING mode.
3. **IR sensor** Point your remote control towards this sensor.
4. **USB** Connector for USB storage devices.

2.3 Rear Panel

Fig. 2

1. **ANT IN** To connect to your antenna for reception of broadcast signals.
2. **ANT OUT** To connect the terrestrial antenna signal to your TV set. This connection will allow you to watch digital terrestrial programmes depending on the tuner of your TV and local broadcast conditions
3. **COAXIAL S/PDIF** To connect your receiver to a digital home theatre, AV receiver or digital audio amplifier.
4. **Audio L/R** To connect your receiver to an analogue audio amplifier.
5. **HDMI** To connect your receiver with your TV set using an HDMI cable.
6. **TV SCART** To connect your receiver with your TV set using a SCART cable.
7. **Power Cord** Your receiver requires a supply voltage of 220~240V AC (Auto-selectable), 50/60Hz $\pm 5\%$. Please ensure the local power specification meets these requirements before connecting your receiver to the wall outlet.

2.4 Remote Control

Fig. 3

1. **⏻** Turns the receiver On/Standby
2. **⏸** Mutes audio output of the receiver
3. **ZOOM** To open de recordings list when in viewing mode.
Zoom in on Photos when in Photo mode
4. **ASPECT** Change aspect modes: 4:3, 16:9 and to Auto.
5. **V-FORMAT** Change video resolution modes: 576i to 1080p (PAL) 480i to 1080p (NTSC)
6. **TIMER** Call directly Timer menu to view or set timers
7. **Coloured buttons** Multimedia and Teletext functions
8. **AUDIO** Shows list of available audio type or language. Temporary override of Main menu audio setting.

- | | |
|----------------|---|
| 9. SUB | Shows list of available subtitle languages
Temporary override of the subtitle setting in the main menu |
| 10. TTX | Shows Teletext on OSD (On Screen Display) |
| 11. FAV | Favourite group selection |
| 12. ◀◀ | Fast rewind |
| 13. ▶▶ | Fast forward |
| 14. ◀◀◀ | Jumps to previous item in playlist |
| 15. ▶▶▶ | Jump to next item in playlist |
| 16. ▶ | Start playback from selected file or resume Timeshift |
| 17. TIMESHIFT/ | Start Timeshift mode or pause |
| 18. ■ | Stop of playback or Timeshift |
| 19. ● | Records the TV programme to the connected storage device |
| 20. MENU | Opens the main menu, in menu you will get one step back |
| 21. EXIT | Exits from the menu or sub-menu |
| 22. ▲▼ | Menu Off: Change channel to previous/next.
Menu On: Moves the cursor up/down. |
| 23. OK | Menu Off: Displays the current channel list
Confirmation of Menu Items. |
| 24. ◀▶ | Menu Off: Increases/decreases the volume level
Menu On: Change settings for specific Menus |
| 25. INFO | Shows the current channel information
Press twice for programme and technical information. |
| 26. EPG | Shows the EPG (Electronic Programme Guide) in TV mode |
| 27. V+/V- | Increases/decreases the volume level |
| 28. PG+/PG- | Page up/down in channel list mode |
| 29. P+/P- | Channel up/down in channel list mode |
| 30. 0~9 | Channel selection or value input |
| 31. TV/RADIO | Toggles between TV or RADIO mode |
| 32. RECALL | Back to previous shown channel |

3.0 CONNECTION

3.1 Connecting to a Terrestrial Antenna

Fig. 4

To receive broadcast signals, your terrestrial indoor or outdoor antenna must be connected to the ANT IN connector on the back of the receiver. Use a properly shielded antenna cable and suitable connectors.

The ANT OUT connector allows you to loop the antenna signal to a second receiver or TV set. Please consider that the looped signal might be too weak if you use an active antenna.

NOTE:

If the signals at your location are too weak to receive proper signals with an indoor antenna, we recommend using an outdoor antenna which can be pointed towards the transmission tower. Ask your local dealer for more information.

3.2 Connecting to TV with HDMI cable

Fig. 4

The TV set shall be connected with the receiver using a good quality HDMI cable. This connection gives the highest possible quality.

3.3 Connecting to TV with SCART cable

Fig. 4

Your receiver is also equipped with a SCART connector; alternatively, the TV set can be connected to the receiver using a good quality SCART cable.

3.4 Connecting to a Digital Audio Amplifier with S/PDIF

Fig. 4

By connecting your receiver to a digital amplifier or home theatre system, you can enjoy the best possible sound quality and multi-channel audio (depending on broadcast). Connect your Digital Audio Amplifier or home theatre system with a suitable cinch cable to the S/PDIF connector on the back of the receiver.

3.5 Connecting to a Digital Audio Amplifier and TV using HDMI

Fig. 5

By connecting your receiver to the latest digital amplifiers or Home Cinema systems, you will enjoy the best possible sound quality and multi-channel audio (depending on broadcast). Connect the HDMI output of the receiver to an input of your amplifier, and then connect the HDMI output of the amplifier to your TV set. Select the correct input on your amplifier to watch and listen to programmes.

3.6 Connecting to an analogue Audio Amplifier

Fig. 5

Use the 3.5 mm jack to connect your receiver to the analogue input of your Hi-Fi or audio amplifier with a 3.5 mm jack to RCA cable for achieving best possible analogue audio quality.

3.7 Connecting a USB storage device

Fig. 6

NOTE:

It is recommended to use USB 2.0 storage devices or higher for recording and play back of TV programmes or HD movies.

NOTE: *Timeshift/recording and playback only works properly when a fast USB storage device such as a USB2.0 HDD is connected to the receiver. Timeshift/recording and playback of HD content requires a sufficient read/write speed of the used USB storage device.*

4.0 STARTING UP FOR THE FIRST TIME

When you use your receiver for the first time, the *Welcome* "Easy install" menu appears. Use ▲▼ to move the highlight to the setting you wish to alter and use ◀▶ to change values. Start by selecting your language using ◀▶. Once you have selected your language, press ▼ to move the highlight to the next item and use ◀▶ to change.

Language Here you can choose your language.

Region: Select your region where this receiver is used.

Resolution Select the best resolution to according to your screens specification. 576i up to 1080p.

Aspect Ratio: Use this option to select the aspect ratio of your TV and the preferred conversion method. Options are: *Auto* (automatic detection of aspect ratio), *4:3 Panscan* (Displays 16:9 widescreen broadcasts full screen on your 4:3 TV), *4:3 letterbox* (black bars on top and under the picture on a 4:3 TV) and *16:9* (use this setting for 16:9 TV sets).

Antenna Power: Set to *On* if you use an active antenna. When set to *On*, 5 V will be present at the ANT IN connector of the receiver. Select *Off* for passive antennas.

When all settings have been made, press **OK** to continue.

NOTE: *Wrong region selection can lead to missing channels or channels being stored at wrong positions in the channel list.*

The receiver will search for all available channels now. Once scanning is finished, the receiver switches to viewing mode.

TIP: *If the Welcome menu should not appear after switching on the receiver for the first time, reset the receiver to factory settings by pressing the **MENU** button and selecting **Restore Factory Default** in the submenu **System**. (**DEFAULT PIN:** 1234).*

5.0 QUICK GUIDE TO USING YOUR RECEIVER

We at THOMSON understand that you can't wait to enjoy your new high definition digital terrestrial receiver. The following quick guide will make you familiar with the basic operation of this device. We do, however, advice you to read the full manual to get the best performance from your receiver.

To turn your receiver ON or to Standby, use the **⏻** button on the remote control.

Choose the desired channel with the ▲▼ buttons. Alternatively, you can digit the channel number with the 0~9 buttons on the remote control or press **OK** in viewing mode to display the channel list. The volume can be adjusted with the ◀▶ buttons.

6.0 OPERATION

Your new receiver is equipped with several features to make watching TV a true pleasure. This paragraph describes these features. Please also read chapter 7.0 to get familiar with the menu of your receiver.

6.1 Changing channels

Following ways are possible for changing channels with your new receiver:

- Via direct access using the **0~9** buttons.
- Via the channel list through **OK** and the **PG+/PG-** buttons.
- Via the **▲▼** buttons.

6.1.1 Direct access via the 0~9 buttons

To gain direct access to a certain channel, simply input its number with the **0~9** buttons on the remote control. Channel numbers can be up to three digits long. Entering a number with less than three digits is possible. Just wait a few seconds and your receiver will switch to the selected channel or press **OK** immediately after selecting the channel number.

6.1.2 Channel list

Press **OK** in viewing mode to display the *Channel List*. Use **▲▼** in the channel list to highlight your channel of choice and press **OK** once to select the highlighted channel. Inside the channel list it is possible to use the **PG+/PG-** buttons as well in order to scroll page-wise through the list.

TIP: Use **◀▶** to toggle between the *All TV List* and *All Radio List* or press **FAV** in viewing mode for available favourite lists.

6.1.3 Using the ▲▼ buttons

- ▲ switches to the next channel.
- ▼ switches to the previous channel.

6.2 Info Banner

While watching TV you can press the **INFO** button at any time to access current information about the channel and event*. Press **INFO** twice for extended EPG details about the current channel and technical details about the current channel.

*Event information is displayed when available. Availability depends on broadcast.

6.3 Selection of audio language

Some channels support a choice of audio formats and/or languages. To select another audio stream, press **AUDIO** in viewing mode. A list with available audio streams will now be displayed. Use **▲▼** to select the desired stream and confirm with **OK**. The audio channel as stereo, mono, left and right can be selected with the **◀▶** buttons. The **AUDIO** button provides a temporary override of the audio setting in the main menu *Language*.

6.4 Teletext

Your receiver includes a fully featured Teletext. To access Teletext, press the **TTX** button in viewing mode and use the **0~9** buttons to input the number of the page you wish to see. The coloured buttons of the remote control allow you to jump to selected pages directly, as indicated on the bottom of the Teletext screen. Use the **▲▼** buttons to select one page up or down, use **◀▶** buttons to select subpages. Press **EXIT** or **TTX** to get back to viewing mode.

6.5 Subtitles

Some channels support a choice of subtitle languages. Press **SUB** in viewing mode to display a list of available subtitle languages. Select your subtitle of choice with **▲▼** and press **OK** to confirm. Press **EXIT** to leave without making changes.*

The **SUB** button provides a temporary override of the subtitle setting in the main menu *Language*.

*Availability of DVB/HoH subtitles depends on the broadcast. If such subtitles are not supported, then most likely subtitles can be activated via Teletext if available.

6.6 Timeshift

Timeshift allows you pausing of live broadcasts and resuming playback later. Press **TIMESHIFT** in viewing mode to activate Timeshift. The progress information banner appears on screen.

Live TV keeps playing for a brief moment and will then pause. Press **▶** or **TIMESHIFT** to resume Timeshifted playback. Press **■** to return to live TV. To change Timeshift parameters go to the *PVR Configure menu*.

NOTE: *Timeshift and its playback only work properly when a fast USB storage device such as a USB2.0 HDD is connected to the receiver. Timeshift and playback of HD content requires sufficient read/write speed of the used USB storage device.*

6.7 EPG (Electronic Programme Guide)

The Electronic Programme Guide is a very useful function that allows you to view event schedules and programme information and to mark events/movies for recording. To access the EPG, press the **EPG** button in viewing mode. Press **◀▶** to select a channel and **▲▼** to select an event. Press **OK** to jump to the selected channel. Press **●** to book an event for recording. Make sure to select the mode *Record* to actually record the programme. Press **EXIT** to quit the detailed information screen. Press **YELLOW** and **BLUE** to scroll quickly through the list to see other dates. Press **RED** and **GREEN** to scroll through the pages in the right window (if more than 1 page is available). Press **INFO** to see all scheduled events. Refer to section 7.6.1 for full details of the timer function.

NOTE: *Availability of EPG data depends on broadcast.*

6.8 Instant Recording

Your new receiver allows you to make an instant recording of the programme you are watching. Simply press **●** to start the recording. To enter the duration for the recording, press **●** again. Use the **0~9** buttons to enter the recording time and press **OK** to confirm.

At the beginning of the recording a recording sign will be shown for a short while on the upper left corner of your TV screen. To stop the recording, press **■**. Select **Yes** and press **OK** again to stop the recording.

You can access the Record Manager via the shortcut **RED** button, or enter via the USB menu, multimedia, PVR. See chapter **7.6.1** for details.

*Please connect a USB storage device with sufficient free space before you start a recording.

7.0 MAIN MENU

The main menu gives you access to settings and multimedia functions. To access the main menu, press **MENU** in viewing mode. The main menu consists of the following sub menus: *Programme*, *Picture*, *Channel search*, *Time*, *Language System* and *Media*.

Throughout the main menu, **MENU** or **EXIT** can be used to get back to the previous screen.

7.1 Programme

Use **◀▶** to select *Programme* and press **OK**.

Use **▲▼** to highlight the submenu of choice and press **OK** to select.

Press **EXIT** to get back to the main menu.

7.1.1 Programme Edit

In the *Programme* menu select *Programme Edit* with **▲▼** and press **OK** or **▶** to enter. Enter your PIN. (DEFAULT PIN: 1234)

Press **◀▶** to change the channel group between *All TV* and *All Radio*.

Select the channel of choice with **▲▼**. Press **OK** to view the selected channel in the preview box.

7.1.1.1 Adding channels to favourite lists

Channels from the *All TV* can be added to up to 4 different favourite categories (*Movie*, *News*, *Sport*, *Music*). Press **FAV** in *All TV* or *All Radio* to access this function. Press **▲▼** to select a channel you wish to add to a favourite group. When the highlight is on the channel of your choice, press **OK**. A list with all available favourite lists will now pop up. Use **▲▼** to select the favourite list you wish to add the channel to and press **OK**, press **EXIT** to finalize the process. Favourite channels will be marked with a star symbol. When all changes have been made, press **EXIT**. A save screen will pop up.

7.1.1.2 Locking channels

Locked channels can only be watched after entering the PIN code. (DEFAULT PIN: 1234)

Press **▲▼** to select a channel. To lock or unlock a channel, press **YELLOW** while in *All TV* or *All Radio*. To view a locked channel you are asked to enter the PIN code. (DEFAULT PIN: 1234) Locked channels will be marked with the **🔒** symbol. Locking/unlocking multiple channels in one session is possible. When all changes have been made, press **EXIT**. A save screen will pop up.

7.1.1.3 Skipping channels

Channels marked with *Skip* will be skipped when zapping channels with the ▲▼ buttons. However, the channels will still be available from the channel list.

To mark channels for skipping, press **GREEN** while in *All TV* or *All Radio*. Channels set for skipping will be marked with the  symbol. When all changes have been made, press **EXIT**. A save screen will pop up.

7.2 EPG (Electronic Programme Guide)

Via this menu item you can enter the EPG or by pressing the button **EPG** on the remote control. See 6.7 for details.

7.3 LCN. (Logical Channel Numbering)

Some countries and broadcasters use a pre-defined channel order. If *LCN* (Logical Channel Numbering) is activated and an LCN signal is provided by the operator, channels will be stored in this operator defined order. With LCN set to off, this order is ignored, but doing so can lead to missing channels or illogical channel order.

7.4 Picture

This menu allows you to change default settings according to your screen preferences.

Press ◀▶ to select *Picture* and press **OK**. Press ▲▼ to highlight the submenu of choice and press **OK** to select. Press **EXIT** or **MENU** to get back to the main menu.

- Aspect Ratio:* Use this option to select the aspect ratio of your TV and the preferred conversion method. The options are: *16:9PS, 4:3LB, 4:3 PS, 4:3 Full, 16:9 WS, Auto, 16:9PB, Auto* (automatic detection of aspect ratio), *4:3 Panscan* (Displays 16:9 widescreen broadcasts full screen on your 4:3 TV), *4:3 letterbox* (black bars on top and under the picture on a 4:3 TV) and *16:9* (use this setting for 16:9 TV sets). Normal setting would be *Auto* in case of use with a modern digital 16:9 screen.
- Resolution:* Use this option to select the video resolution of your TV screen. The options are: *PAL: 576i, 576p, 720p_50, 1080i_50, 1080p_50, NTSC: 480i, 480p, 720p_60, 1080i_60, 1080p_60*. Please use a setting that matches your TV's specifications. Selection 720 and higher is only applicable on HDMI output.
- TV Format:* *PAL/NTSC*. Select your TV format as in use in your country: For Europe *PAL*, for USA *NTSC*.
- Video Output:* *CVBS/RGB*. Use this option if you use the analogue Scart connection to your TV set. *RGB* usually provides the best possible analogue quality. However, if your TV is equipped with an HDMI connector, use that instead.
- OSD transparency:* To set the OSD transparency from 20% ~ 100% with 20% steps.

7.5 Channel Search

This menu allows you to scan for channels and change default settings for your personal situation. Press ◀▶ to select *Channel Search* and press **OK**. Press ▲▼ to highlight the submenu of choice and press **OK** to select. Press **EXIT** or **MENU** to get back to the main menu.

Auto search: Select *Auto search* if you want to do an automatic scan of all available channels.

WARNING: *All previously stored channels and Favourites are lost.*

Manual Search: If you want to scan for a particular programme, or want to manually update existing channels, you can use the manual scan. Select the channel number of the wanted channel with ◀▶ and press **OK**. If a valid channel is chosen, the Quality bar will have read-out, also useful for adjusting your (indoor) antenna. After the scan is completed the found channels will be added or updated in the TV and/or Radio list.

Country: Select the country in which the receiver is situated. This setting is important to the scan process which is executed when searching for (new) channels. Defaults for frequency band plan, LCN and time zone are coupled to this setting.

Country Region: Some countries have more than one time zone, if applicable, you can change the countries region and time zone.

Antenna Power: If you use an (indoor) antenna, which requires a 5 V power supply, you can set this option to 'On'. The Antenna-in connector will provide a 5 V 'phantom-power' to the antenna. If a passive antenna is used, this option is best left 'Off'.
Search Type Select 'Free' to search and store only Free-to-Air (FTA) channels or select 'All' to search and store encrypted channels as well.

NOTE *Encrypted channels cannot be watched with this unit.*

7.6 Time

This menu allows you to set several items for time and change default settings for your personal situation. Press ◀▶ to select *Time* and press **OK**. Press ▲▼ to highlight the submenu of choice and press **OK** to select. Press **EXIT** or **MENU** to get back to the main menu.

Time Offset: The time offset is best left to 'Auto'. The time will be kept by the broadcaster. The time zone is set according to the country and region selected in the *Channel Search* menu. If necessary, the Time Offset can be changed e.g. for adapting to Daylight saving time, if the broadcaster should not cater for this.

7.6.1 Timer

This menu allows you to set up to 30 timed events for recording or waking up the receiver. Press ▲▼ to select *Timer* from the *Time* menu and press **OK** to enter. The receiver will display a list with max. 30 timers, followed by their respective status, if already set. Select the timer you wish to set or edit with ▲▼ and press **RED** (Add) or **GREEN** (Edit) to proceed. The event menu will now be displayed.

The following settings are available:

Channel Type: Choose between *TV* and *Radio*.

Channel No.: Choose the channel number you want to record.

Channel Name: The channel name will change automatically according to the channel number.

- Start Date (D/M/Y):** Use the **0~9** buttons to enter the date for the timed event.
- Start Time:** Use the **0~9** buttons to enter the start time for the event.
- End Time:** Use the **0~9** buttons to enter the end time for the event.
- Repeat:** Choose between *Once*, *Daily* (the timer will be executed every day at same time) or *Weekly* (the timer will be executed every week, same day at the same time).
- Mode:** Choose between *View* (the timer will wake up the receiver) or *Record* (the timer will start to record the scheduled event).
- When all settings are according to your wishes, press **OK** to confirm. To quit the timer without saving your settings, press **EXIT**.

NOTE: The **BLUE** button on the remote control serves as a shortcut to the Timer menu.

7.7 Language

This menu allows you to set several items for language and audio and change default settings to your personal likings. Press **◀▶** to select *Language* and press **OK**. Press **▲▼** to highlight the submenu of choice and press **OK** to select. Press **EXIT** or **MENU** to get back to the main menu.

- OSD Language:** Press **◀▶** to select the language for the On Screen Display.
- Subtitle Language:** Press **◀▶** to select the preferred subtitle language.
- Subtitle Type** Press **◀▶** to select the sort of subtitles you want to display for all channels by default. 'Normal' subtitles or 'Hard of Hearing' for the hearing impaired. 'Off', don't show subtitles.*
- First Audio:** Press **◀▶** to select Audio language.
- Second Audio:** Press **◀▶** to select a language that will be played when the language selected at *First Audio* isn't available.
- Digital Audio:** Toggles between *PCM* and *RAW HDMI* (Bitstream) output. When *PCM* is selected, all digital audio will be converted to stereo audio. *RAW HDMI On* enables you to listen or transfer Dolby® Digital/Dolby® Digital Plus** audio (Multi channel audio) to the TV via HDMI or Home entertainment system. *RAW HDMI Off* will only transfer the raw bitstream to the S/PDIF connector. Set to 'Off' will cut all digital audio on the S/PDIF.

*Availability of DVB/HoH subtitles depends on the broadcast. If such subtitles are not supported then most likely subtitles can be activated via Teletext if available.

**Dolby and the double-D symbol are registered trademarks of Dolby Laboratories

7.8 System

This menu allows you to set several items for system behaviour and maintenance. Press **◀▶** to select *System* and press **OK**. Press **▲▼** to highlight the submenu of choice and press **OK** to select. Press **EXIT** or **MENU** to get back to the main menu.

7.8.1 Parental Guidance

Press **▲▼** to select *Parental Guidance* from the *System* menu and press **OK** to proceed. You will be asked to enter your PIN code. (DEFAULT PIN: 1234)

- Age:** Choose between: *Off*, 04 years and up to 18 years. Channels with a parental rating equal or above the chosen age will be protected with a PIN code (if available in your local broadcast.)
- Set Password:** Enter your old PIN code (4 digits). Enter your new PIN. Re-enter your PIN code to confirm. Press **EXIT** to leave the menu item.

7.8.2 Restore Factory Default

This option allows you to reset the receiver to factory settings, which clears all stored channels. Press **▲▼** to select *Restore Factory Default* in the *System* menu and press **OK**. You are asked to enter your PIN code. Enter the correct PIN code using the **0~9** buttons. (**DEFAULT PIN: 1234**). A confirmation question is displayed. Select **OK** to restart to factory settings or press **EXIT** to leave.

WARNING! *By resetting your receiver to factory default, all your settings and stored channels will be permanently deleted. Please use this option with care.*

7.8.3 Information

This submenu shows receiver specific information such as hardware version and software version. Please have the *Information* screen on hand when you call our hotline. The person who answers your call might ask for the information given in this screen. Press **EXIT** to leave.

7.8.4 Auto Standby

Auto Standby is a new feature that helps you reduce power consumption. When set to *1Hour/2 Hours* or *3 Hours*, the receiver will switch to standby if it doesn't receive any commands during this time. Set *Auto Standby* to *Off* to deactivate the automatic standby function. Default is set to 3 hours.

7.8.5 Software Update

OAD, Over Air Distribution

This receiver is equipped with an Over Air Distribution (also called 'OTA' Over The Air) software upgrade function. An 'Over The Air' update might not be available in your region. Please visit our website www.thomsonstb.net or contact your local service hotline for more information about this option. By selecting 'On' the OTA procedure will be executed at the Start Time selected, preferably at night, to minimise viewing interruption

USB Upgrade

More common way of updating the software, if needed. This feature allows you to upgrade receiver software via the USB port. When new software is available for your receiver, it can be downloaded from our website www.thomsonstb.net. Place the software file (unzipped) in the root directory of your USB storage device (HDD, memory stick etc.) and connect the device to the USB port of the receiver. Select *USB Upgrade* from the *System* menu and press **OK** to proceed. The upgrade page will now be displayed. Wait until upgrading finished automatically when the receiver reboots. The 'Welcome' screen appears.

NOTE: *USB upgrade can only be done from HDD or USB pen drive which is formatted in FAT32.*

NOTE: *If, after a software upgrade, the receiver should behave in an unexpected way, please perform a factory reset as well. Restore Factory Default. See chapter 7.8.2.*

WARNING! *After an update the receiver restarts automatically. During the upgrade process NEVER disconnect the receiver from the mains or switch off the power! Doing so might damage your receiver and will void warranty!*

7.9 Media

The *Media* menu consists of the following submenus: *Media Player*, *Photo Configure*, *Movie Configure* and *PVR Configure*.

Use ▲▼ to highlight the sub menu of choice and press **OK** to enter. Press **EXIT** to quit.

7.9.1 Media Player

This function allows playback of different kind of files from the connected USB storage device.

In the *Media* menu, select *Media Player* and press **OK** to enter this menu. Press ◀▶ to select the media type of your choice and press **OK**. Select with ◀▶ and **OK** to open the directory respectively its folders/subfolders. Press **RECALL** to move back up one folder. Select which file you like to play. Press **OK** to start playback of the file. Press the **EXIT** button to exit.

Throughout the media player the ◀▶ and ◀▶▶ buttons can be used were applicable. Also II and ▶. **INFO** will show technical details of the file shown. Other possible functions are displayed in the bottom line on screen.

Music: If a folder/files are selected, it is possible to return to *Photos* and have the music in the background.

Video: Press **RED** to toggle between preview window and full screen play. Use the **0~9** buttons to jump 10 to 90% in time.

Photo: Press **ZOOM** and ◀▶ to zoom in on certain areas of the picture. Press ▶ to start a slideshow. Press **BLUE** to have an overview of your pictures as 'Grid show'.

PVR: Own recordings are stored in the HBPVR folder.

Photo Configure: Select your preferences for picture view, as *Slide Time*, *Slide Mode* and aspect ratio handling of the pictures.

Movie Configure: Select your preferences for subtitles, as size, background and font colour.

PVR Configure: Record Device. This option shows technical information about the connected USB device. Select the relevant partition with ◀▶, if applicable. Select the amount of gigabytes you want to dedicate to timeshifting. (Default 1 GB.)

Format: If your USB device is not formatted yet, it can be done here. Press **OK** to enter the format menu. It is only possible to format in FAT32, however, it is possible to use an already NTFS formatted HDD for recording and storage. Press **OK** to format the connected USB device. Enter your PIN code to continue (**DEFAULT PIN: 1234**) and press **OK** to start formatting or **EXIT** to leave without formatting.

WARNING! *Formatting will permanently delete ALL data stored on the connected device. Please make a backup copy of all data you wish to keep before entering the Format menu. THOMSON cannot be held responsible for loss of data from USB devices used with this receiver.*

NOTE: *It is possible to use USB storage devices already formatted on a PC in NTFS.*

8.0 TROUBLESHOOTING

There may be various reasons for abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact your dealer or the local Service Hotline. Do NOT try to open or disassemble the receiver. It may cause a dangerous situation and warranty will be void.

Problem	Possible cause	What to do
LED indicator not lit	Mains lead unplugged	Check mains plug
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area Active antenna requires to switch ON antenna power/ external power	Check aerial lead Check aerial Check with dealer Switch receiver's Antenna Power ON/connect external power
No picture or sound on TV or amplifier	HDMI or SCART is not selected on your TV or amplifier or the unit is set to higher resolution as the TV supports. TV/amplifier is not switched on	Switch to correct TV/amplifier input Select lower resolution on receiver Switch TV/amplifier on. Check if S/PDIF connection is used.
Scrambled channel Message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver is off Remote not aimed correctly Front panel obstructed Remote batteries exhausted	Plug in and turn on plug Aim remote at front panel Check for obstructions Replace remote batteries

Problem	Possible cause	What to do
Forgotten PIN code Forgotten channel lock code		Default PIN is 1234 Contact local Service Hotline or send email to our Support via www.thomsonstb.net
After moving the receiver to another room/area you are no longer able to receive digital reception	Antenna signals are too weak The signal strength/quality might be less than before, if using an indoor antenna.	Press the INFO button on remote 2x to call up signal bars and adjust antenna for (maximum) reception or rescan channels When using an active antenna, check antenna power. Try to use an outdoor antenna.
The receiver switches off automatically.	Auto Standby function enabled.	Disable auto standby. See section 7.6 for details.
Playback of video (or Timeshift) is causing picture freeze/macro blocks or similar distortion, especially on HD content.	Read/write speed of your USB device could be too low.	Make sure to use a USB storage device with sufficient speed and space. Pen drives ("USB sticks") may not support sufficient speed.

9.0 TECHNICAL SPECIFICATIONS

Demodulator

Demodulator: COFDM; 16 QAM/64 QAM, QPSK
Transmission mode: 2 K – 8 K

Video Decoder

Profile level: MPEG-2 MP@ML, AVC/H264HP@L4.1, MPEG4 ASP supported
Video resolutions: 480i / 480p / 576i / 576p / 720p / 1080i / 1080p
Decoding: PAL / NTSC
Aspect ratio: 4:3 Letterbox, 4:3 Pan & Scan, 16:9, Auto

Audio Decoder

Audio support: AAC/Dolby® Digital Plus*/AC3/PCM
MPEG MusiCam Layer 2
Sampling rate: 32, 44.1, 48 KHz
Audio mode: Stereo, Mono

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Tuner

Front End:	DVB-T, UHF & VHF Tuner
Input frequency range:	177.5 – 226.6 MHz (VHF) and 470 – 858 MHz (UHF)
Loop through frequency range:	47 – 862 MHz
Input signal level:	-20 ~ - 82 dBm

Memory and System

Flash memory:	4 MBytes
SDRAM:	64 MBytes

Multimedia

Video playback:	MPEG-1 and MPEG-2 encoded (mpg), VOB, AVI, MKV, TS, M2TS, MPEG-4 and MOV*
Audio playback:	MP3 and OGG*
Picture view:	BMP and JPEG*

*THOMSON cannot guarantee the playback of files although extensions are listed, as it depends on codec used, data bit rate and resolution (all MPEG codec formats are supported).

Connectors

ANT IN – IEC Female
ANT OUT – IEC Male
TV SCART (RGB, CVBS, Audio L&R)
HDMI
S/PDIF (coax.)
3.5 mm stereo audio jack (audio left/right)
USB 2.0 port: 5 V/500 mA (max.) supported

General Data

Supply voltage:	220 – 240 V AC (SMPS), 50/60 Hz
Power consumption:	6 W (typ.), 9 W (max)
Power consumption in standby:	0.46 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:	150 x 107 x 39
Net-weight:	0.24 kg