DVB-T2 PVR MPEG4

191/5534



USER MANUAL

IMPORTANT - Please read these instructions fully before installing or operating

These instructions contain important information which will help you get the best from your television and ensure safe and correct installation and operation.

For any help concerning set up and use of your TV please call the Customer Helpline: 0845 604 0105

Lines open: 9am - 8pm Monday to Saturday and 10am - 4pm Sunday

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Contents

Safety Precautions 3
Power Cord..... 3
Overview of the Remote Control 5
Connections on the Set Top Box 6
Inserting Batteries in the Remote Control..... 7
Connecting the Set Top Box to a TV Set 7
Antenna Connection..... 8
Important - Hard Disk Information 10
Recording Format..... 10
First Time Installation..... 11
Changing Channels..... 11
Adjusting the Volume..... 11
Volume Up / Down..... 11
Mute..... 12
On-Screen Information 12
Instant Recording 12
Time Shifting (Pause Live Recording)..... 12
Viewing the Main Menu 13
Operating the Channel List..... 13
Selecting a Specific Channel..... 13
Deleting Channels 13
Deleting Multiple Channels:..... 13
Renaming Channels 13
Adding Locks to Channels 14
Locking Multiple Channels:..... 14
Setting Favourites 14
Event Options..... 15
Select Channel 15
Record Programme/Delete Timer..... 15
Record Series/Delete Series 15
Configuring Timers 16
Play Options 18
Main Title 18
Text..... 18
Duration..... 18
Recording Title..... 18
Display..... 18
Duration..... 18
Max Time Shift..... 19
Auto Discard..... 19
Active channels 20
Scan Encrypted 20
Output Settings..... 20
TV Type 20
TV Out 20
Receiver Upgrade..... 21
Parental Settings 21
Menu Lock..... 21
Guidance 21
Set Pin..... 21
Low Power..... 21
Audio Description 21
Available Langs. 22
Preferred Language (Optional)..... 22
Relative Volume (Optional)..... 22
Configuring Language Preferences..... 22
Preferred..... 22
Current (*)..... 22
Installation & Retune 22
Automatic Channel Scan / Retune 22
Manual Channel Scan 23
Format Disk 23
First Time Installation..... 23
IP Settings 23
Viewing The Media Browser..... 24
Viewing USB Disk Contents 24
Media Browser USB Playback..... 24
Playing MP3 Files..... 24
Viewing JPG Files 24
Slideshow Options..... 25
Playing Video Files 25
Displaying ALL Files 25
HDD Initialisation..... 26
No Signal..... 26
No Channels Have Been Added Yet..... 26
player. 27
GENERAL CHARACTERISTICS 29
Profiles..... 29

Features

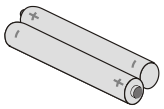
- 200 channels
- Programme recording
- 8-Days EPG.
- TV scart (with RGB and CVBS support).
- Favourite list.
- Parental lock options.
- Manual and automatic search options.
- On-Screen-Display.
- Automatic day light saving time updating.
- Decoding & Video Out: PAL.
- Multi-format audio decoder.
- Multi language audio support (up to 10).
- Audio mute and volume control.
- Record programmes using 8 day EPG
- DVB-T2 Compliant
- UHFIV and UHFV; 470-862 MHz, 8MHz bandwith
- Supports 16-QAM, 64-QAM, 256QAM(DVB-T2) modulations
- VIDEO & OSD :
- Video: MPEG2, PAL, 4:3/16:9
- Time shift – pause live TV.
- Freeview+ compatible

Accessories

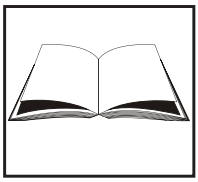
Please make sure that the following items are included with your device.



Remote Control



Batteries
2 X AAA



1 x Quick Start Guides



Instruction Book



HDMI cable

Introduction

- Thank you for choosing this product. This manual will guide you through the proper operation of your set top box.
- Before operating the set top box, please read this manual thoroughly. Please keep this manual in a safe place for future reference. Read the corresponding instructions of this handbook prior to the first use of the device, even if you are familiar with using electronic devices.
- Please keep this instruction book for future reference.

Safety Precautions

Power Source Power

• Always use the provided AC adaptor.

• Operate only from the power source specified on the AC adaptor.

• The power adaptor may become hot during normal operation. This is not a malfunction.

• Please make sure that the adaptor is not covered while in operation. Leave a space of 15 cm (minimum) around the AC adaptor.

• The rating information and safety caution of the AC adaptor are provided on the adaptor.

WARNING: When the set is not in use for a long time, disconnect from the power.

Power Cord

• Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Never make a knot in the cord or tie it with other cords. The power cords should be routed in such a way that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask closest service agent for help.

• Please do not place the set in a place subject to direct sun light, excessive dust or mechanical shock or in a location near heat sources.

• The device should be placed on a solid and safe base.

• Do not place the apparatus on a soft surface such as a rug that might block the ventilation holes on the bottom.

• The selected location should not have a high humidity. Condensation, that may arise in a kitchen for example, may cause a malfunction or damage the device.

• Heating or other thermal radiation under the set also may cause malfunction or damage the device.

• The hot air, which arises during operation, should be ventilated with sufficient air circulation. Please do not put the device into closed areas and do not cover it.

• Please avoid contact of the device with water or humidity. Do not put into operation near bath, swimming pools.

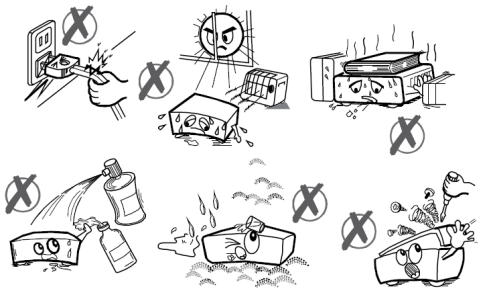
• Take care to provide good air circulation. Place the device in a location with adequate ventilation to prevent heat build-up in the device.

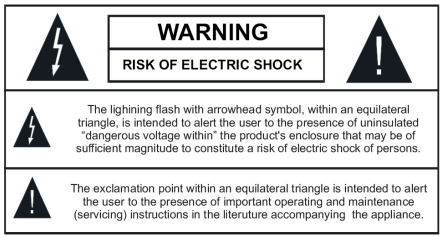
• Should any solid object or liquid fall into the cabinet, unplug the device and have it checked by qualified personnel before operating it any further.

• The device should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the device.

CAUTION

• Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.





Connection to a Television Distribution System (Cable TV etc.) from Tuner

Device connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing-and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard.

Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)

SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken if you are to obtain the best results and to ensure its safety.

****

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between the pieces of equipment) are properly made and in accordance with the manufacturer's instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DO route the mains lead so that it is not likely to be walked on, crushed, chafed, or subjected to excessive wear and tear or heat.

****

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing, or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws - to ensure

complete safety always fit the manufacturer's approved stand or legs with the fixings

provided according to the instructions.

DON'T use equipment such as personal stereos or radios so that you are distracted from

the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your

hearing.

DON'T leave equipment switched on when it is unattended unless it is specifically stated

that it is designed for unattended operation or has a stand-by mode. Switch off using the

switch on the equipment and make sure that your family know how to do this. Special

arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the equipment if you are in any doubt about it working

normally, or if it is damaged in any way - switch off, withdraw the mains plug and consult

your dealer.

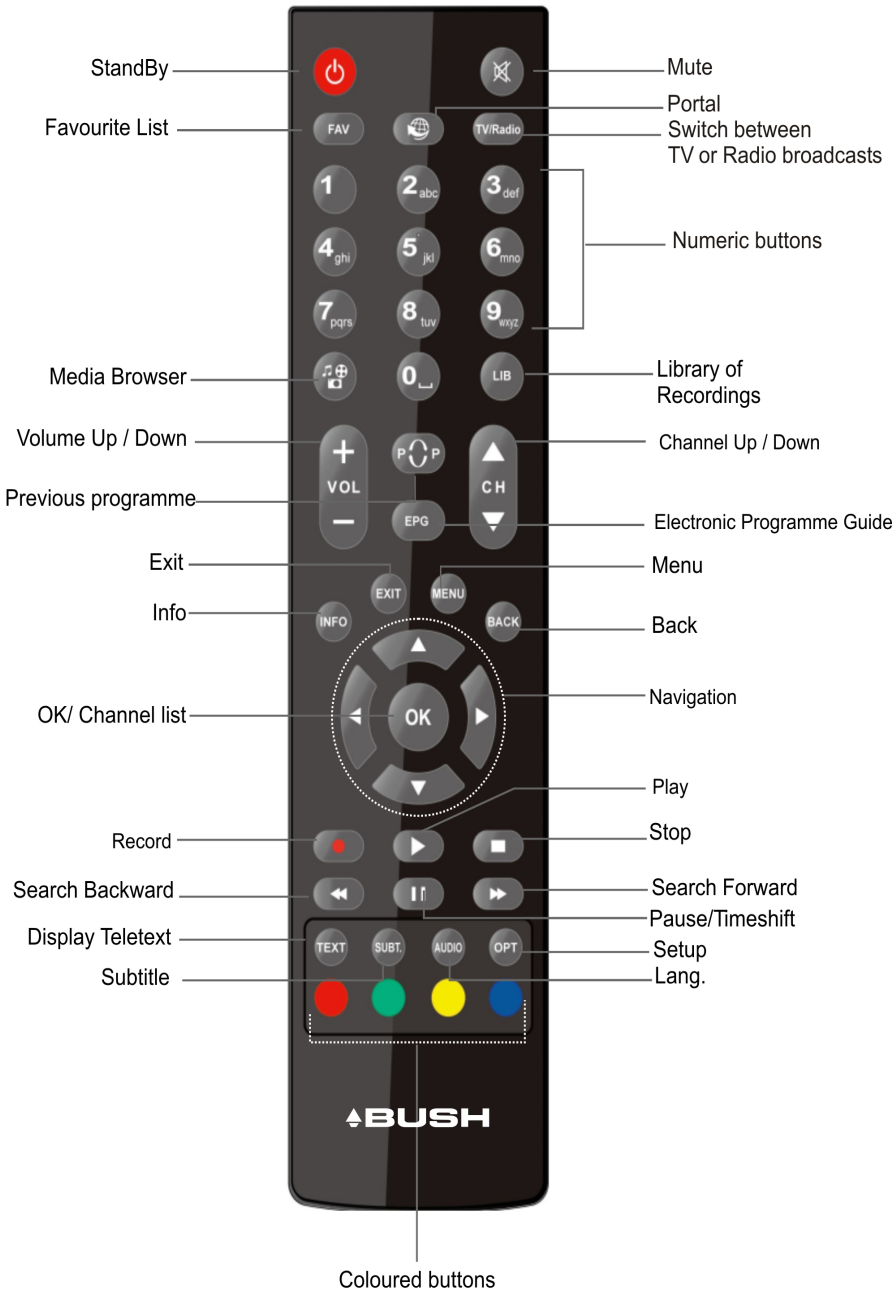
ABOVE ALL

--- NEVER let anyone especially children push anything into holes, slots or any other opening in the case - this could result in a fatal electrical shock;

--- NEVER guess or take chances with electrical equipment of any kind

--- It is better to be safe than sorry!

Overview of the Remote Control

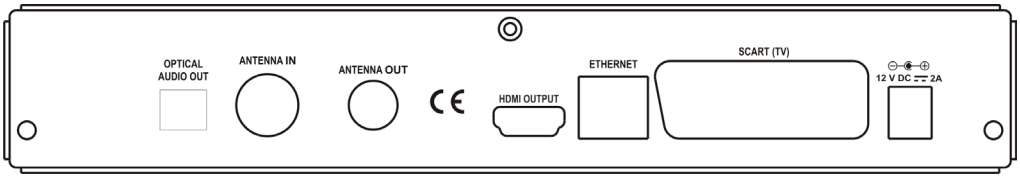


Connections on the Set Top Box

FRONT VIEW



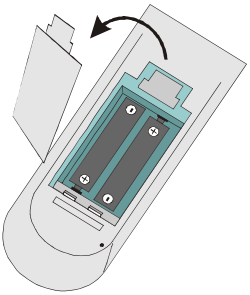
BACK VIEW



1. **OPTICAL AUDIO OUT**: You can use this connector to output the digital audio to an external device. See your audio system instruction book for further information.
2. **ANTENNA IN**: Aerial input
3. **ANTENNA OUT**: To watch channels on the TV
4. **HDMI IN**: HDMI connection
5. **LAN**: Ethernet Input
6. **SCART OUT**: If your TV has a scart connector, you can connect the box to your TV using a scart cable
7. **POWER CABLE :** DC IN (12V)

Make sure that you connect all cables and connections before you plug the unit into the mains supply. After you connect the unit to the mains supply, the LED light located on the front panel will be red (Standby mode).

Inserting Batteries in the Remote Control



• Remove the battery cover located on the back of the remote control by gently pulling backwards from the indicated part.

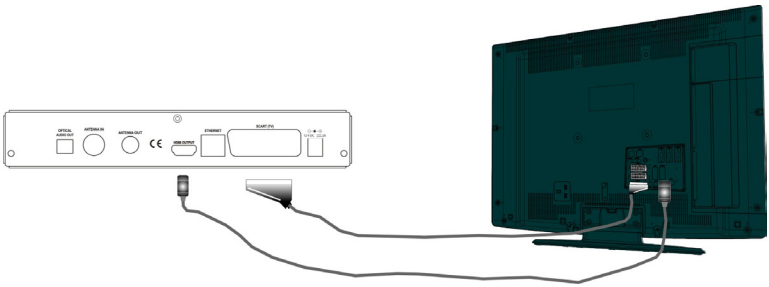
• Insert two AAA/R3 (2 X 1.5Volt) or equivalent type batteries inside. Place the batteries in the correct direction observing the polarity symbols (+/-) and replace the battery cover.

• While using the remote control, you should direct it towards the front panel of the receiver. Remote range is approximately 7m/23ft.

• If your receiver no longer responds to the remote control. it is probable that the batteries are exhausted. If so you can still use the local buttons of the receiver. You can replace batteries after they are exhausted.

Note : Remove the batteries from the remote control when it is not to be used for a long period. Otherwise it can be damaged due to batteries leaking.

Connecting the Set Top Box to a TV Set



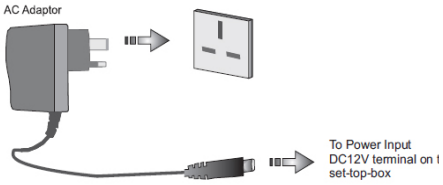
You can connect the set top box to your TV by using the scart socket or HDMI input. Use a scart or HDMI cable to connect the set top box to your TV.

The set top box gives RGB or CVBS output from scart or high definition quality from HDMI output.

Power Connection

MPORTANT: The set-top box is designed to operate on 12 V DC. For this, an adaptor is used which gives 12 V voltage. Connect this adaptor to a system that supplies 220-240V AC,50Hz.

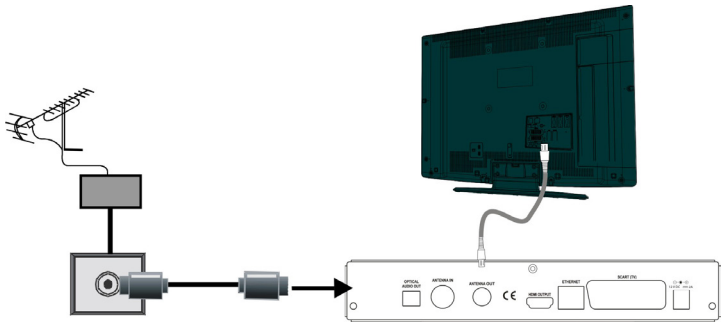
• After unpacking, allow the set-top box to reach the ambient room temperature before you connect the set to the mains.



Antenna Connection

This illustration shows how to connect an antenna.

• Use **ANTENNA IN** to connect to an antenna system.



Power On-Off

Connect all cables before plugging into the mains. After plugging in the AC adaptor for the set top box to the mains supply, a light will be seen on the front panel (Standby mode). When the set top box is first powered up please wait until the box is initialized before activating the receiver since booting of software will take some time. Please wait until unit is initialized. This may take almost a minute.

This product conforms with the latest European Union Power Consumption Regulations and features a low power standby mode. The products enters into the low power standby mode approximately 30 seconds later after the standby button is pressed to turn off the unit. Until low power mode is activated, a clock will be displayed at the display. When the low power mode is activated, the display will be shut down. When you press the standby button during low power mode, it may take a minute until the product is initialised. However, if you press the standby button before the low power mode is activated, the unit will be initialized in a couple of seconds (Active standby mode).Although it is not recommended for enviromental reasons, you may disable low power mode in your product at setup –configuration menu.

Auto Power Down:

This box will automatically switched from active mode into standby mode, after less than three hours in active mode, following the last user interaction and/or a channel change with an alert message two minutes before going in to standby mode. The Automatic power-down can be set as disabled, 2 hours, 3hours, 4hours, 6hours or 8hours from the configuration menu.

Important Note : If there is any ongoing programme recording or if any EPG programme recordings and/or manual recordings are set to a nearby time, the unit does not switch to low power mode and remains in active standby mode until recording tasks have been finished. At low power mode, the unit initializes a couple of minutes before the actual time of the incoming recording task.

Important Note : The unit initializes from time to time to receive updates from the EPG broadcast in order to synchronize EPG recording tasks properly. After getting updates, the unit switches to low power mode automatically. This takes a short while and it is not a malfunction.

Important - Hard Disk Information

This Recorder has a built in hard disk (abbreviated as HDD) for recording and playback. Beware of the following points when setting up and using the Recorder. Failure to observe precautions may cause damage to the HDD itself or its content, failure of the disk to operate, or recording of noise.

• Do not subject the Recorder to any vibration or impact.

• Do not place the Recorder in a cramped location which might block the ventilation port on the back of the Recorder.

• Do not place the Recorder in a location with severe temperature variation.

• If the Recorder is set up in a location with severe temperature variation, dew may form on and inside the Recorder. If the Recorder is used with internal dew formation present, this may cause HDD damage or malfunction. We recommend keeping variation in room temperature within 10˚C per hour.

• Do not place the Recorder in a location with high humidity.

• Place the Recorder horizontally, never at an incline.

• Do not place a magnetic device (magnet etc.) close to the recorder.

• When the power is on, do not unplug the AC adaptor from the AC outlet, turn off the breaker for the area where the Recorder is set up, or move the Recorder.

When moving the Recorder, first turn off the power and then unplug the power cord from the AC outlet.

Recording Format

• HDD recording is done using the variable bit rate format (VBR) for more efficient recording. The following phenomena may occur.

With the variable bit rate format, the remaining amount which can be recorded may increase or decrease relative to the display of the remaining amount of HDD space.

• When the display indicates that the remaining amount of HDD space is low, first delete unnecessary programmes, and then record with an extra margin in the amount of remaining space. There is an option in the configuration menu to discard the recordings. You can choose between three options:

Deleting,

1 – Oldest recordings

2 – Largest recordings

3 – Shortest recordings

When the HDD is out of space, it will operate regarding one of these options and delete the

recordings.

• Even if you delete a programme, the remaining amount may not increase by the amount of deleted time. When recording new video, record with an extra margin in the amount of remaining space.

Unrecordable Material

In the unlikely event that there is some problem like loss of recorded video or audio content due to an HDD malfunction, please be aware beforehand that we will bear no responsibility to compensate for the content which could not be recorded or edited, for the loss of recorded or edited video, or for other related direct or indirect damages.

- If a power failure occurs

• The content being recorded or timer recorded may be damaged if power failure occurs.

• The content being played back may be damaged.

- For important recording

NOTE

• *If a message indicating an HDD error is displayed (such as "ERROR IN HDD. CANNOT OPERATE.") and the HDD has malfunctioned, you cannot replace the HDD by yourself. If you disassemble the Recorder, the warranty will become void. Also, recovery of data is impossible.*

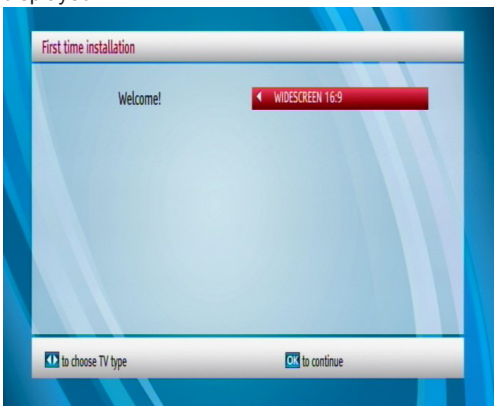
Hard Disk Operation (Recording / Playback / Time Shift Recording)

If the Recorder is used in a cold location (a location at low temperature), the drive will only allow live viewing after power is turned on until the HDD is ready. During this time, the Recorder will not allow Time Shift Viewing, recording, display of recording lists or playback of recorded programmes. Please wait until the HDD is ready.

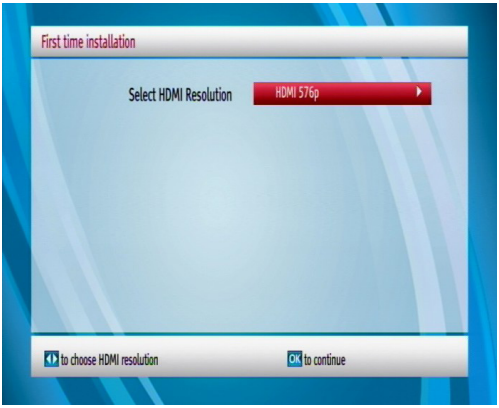
First Time Installation

IMPORTANT: Ensure that the aerial is connected before switching on the set top box for the first time.

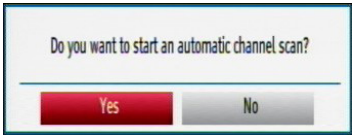
When the set top box is operated for the first time, installation wizard will guide you through the process. First, TV Type selection on-screen menu will be displayed:



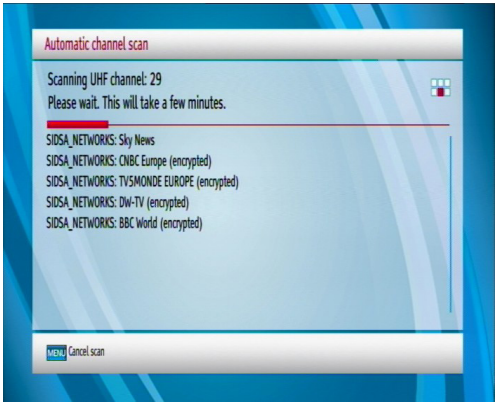
By pressing the "◀"/"▶" buttons select the Tv type you want to set and press OK button. Afterwards, "Select HDMI resolution" OSD will appear on the screen.Select your desired resolution by pressing "◀"/"▶" button and press OK.



Then "Do you want to start an automatic channel scan?" pop-up menu is displayed. Auto search can be started by selecting the "Yes" button. The box will automatically find the channels and store them.



- To start installation process, select Yes by using "◀"/"▶" buttons and then press the **OK** button.
- The box will start to search available stations. The progress bar will move along the line. You should allow the set top box to complete the search to store all available stations.



Note: You can press MENU button to cancel.

Changing Channels

- You can change channels with the following methods.
- You can press the numeric buttons (0–9) to directly enter the channel number. You can press numeric buttons consecutively to enter two or more digits.
- Press the **P +/ P -** buttons to move up or down to the next available channel.

Note: You can press OK button to display the channel list.

Adjusting the Volume

Volume Up / Down

- You can increase or decrease the volume by using **V+ / V-** buttons.



- The volume level selected will remain set, even when the receiver is turned off and on again, until you change volume again.
- The audio volume adjustment for the receiver is independent of the volume control on your TV set.

IMPORTANT: You should be careful that both volume controls are kept within reasonable levels so that when switching on, or when first turning on your TV set, the sound level is not too high.

Mute

• You can press "🔇" to mute the sound of your set top box. The sound will be muted once this button is pressed.

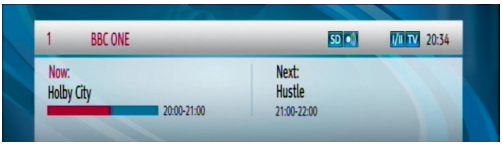


• To cancel mute, you can press "🔇" button again or use the **V +/-** buttons.

On-Screen Information

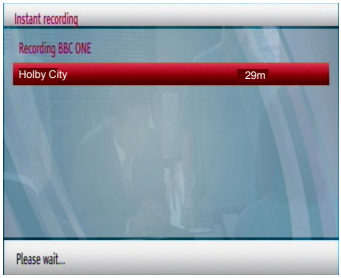
• You can press the **INFO** button to display on-screen information. Details of the station and current programme will be displayed on the information screen.

• The information screen will then display the current event name, next event name, starting and ending time, duration bar, programme mode and the channel number and name.



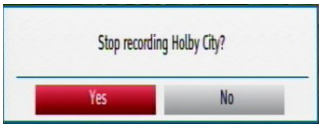
Instant Recording

• Press ● (**RECORD**) button to start recording an event instantly while watching a programme. The following OSD appears on the screen:



• Record OSD will then be displayed for a short time and the current event will be recorded.

• Press ■ (**STOP**) button to cancel instant recording. The following OSD will be displayed:

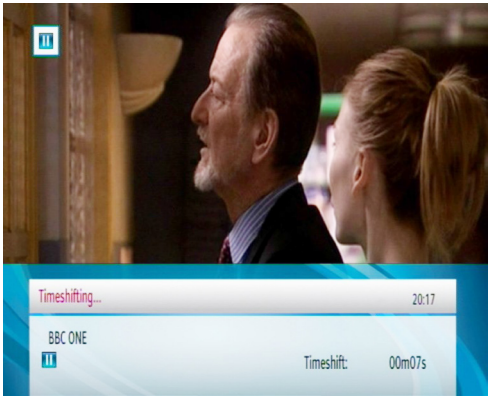


Select **Yes** by using "◀" or "▶" / **OK** buttons to cancel instant recording.

Note: When two recordings are active, you can only watch recorded channels.

It is allowed to schedule recordings up to four events by Instant Recording.

Time Shifting (Pause Live Recording)



• Pause Live Recording is a feature that enables you to pause a live broadcast. The live broadcasting can be stopped any time.

'•Press PAUSE ⏸ button to timeshift the broadcasting. In the INFO banner the timeshift will commence.

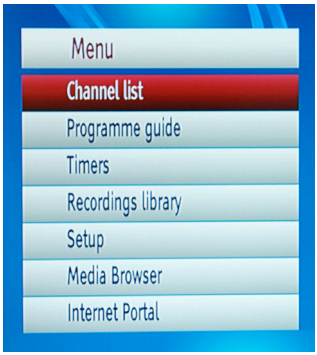
• The duration of Timeshift can be adjusted from Recordings in the Configuration menu.

• In order to stop the timeshift press **PLAY, PAUSE** or **OK** button. The paused recording can be watched in different speeds by means of ⏪ or ⏩ keys. To terminate the timeshifting press **STOP** button.

Menu System

Viewing the Main Menu

- Press the **MENU** button to view main menu.
- You can move between menus by using the navigation (◀ / ▶ / ▼ / ▲) buttons on the remote control.
- You can enter, select or confirm a menu option by using **OK** button.
- In some sub-menus, you can use **BACK** button to return to a previous menu screen.
- To exit from a menu screen, you can press **MENU** button.
- The following items are located in the main menu screen:



Managing Stations: Channel List

- The set top box keeps all stored stations in the Channel List.
- Press **MENU** button to view main menu. Select Channel List item by using "▼"/"▲ button. Press **OK** to view menu contents.

***Note**: You can direclty press OK button to view channel list.*



Operating the Channel List

- Press "▼"/"▲" button to select the channel that will be processed.
- Press "◀"/"▶" button to select a function on Channel List menu.
- Use **P+/P-** buttons to move page up or down.
- Press **BLUE** button to view filtering options.
- Press **YELLOW** button to tag/untag a channel.
- Press **GREEN** button to tag/untag all.
- Press **MENU** button to exit.
- Use **INFO** button to view more information.

Selecting a Specific Channel

- ***Select*** option should be highlighted by using "◀"/"▶" button.
- To watch a specific channel, you should highlight the desired channel using "▼"/"▲" button and press **OK** button. Selected channel will be displayed.
- If the selected channel is password protected, the parental lock password will be required to watch the selected channel.

Deleting Channels

- Select the channel that you want to delete and select Delete option using "◀"/"▶" button . Press **OK** button to continue.
- A message will be displayed to confirm your decision. Select **YES** to delete the selected channel, select **NO** to cancel. Press **OK** button to continue.

Deleting Multiple Channels:

- Select Delete and highlight the channel you want to delete.
- Press **YELLOW** key. The channel will be marked. Move to the next channel you want to delete. Press **YELLOW** key.
- Mark the other channels you want to delete like the same way and press **OK**.

You will see a confirmation menu. Select YES in the menu. The selected channels will be deleted.

To mark all the channels in the channel list at once you can use **GREEN** key.

Renaming Channels

- Select the channel that you want to rename and select **Edit Name** option using "◀"/"▶" button. Press **OK** button to continue.
- Pressing "◀"/"▶" button moves to the previous/next character. Pressing "▼"/"▲" button toggles the current character, i.e., 'b' character becomes 'a' by pressing "▼" and 'c' by pressing "▲".

• Pressing the numeric buttons '**0...9**' replaces the highlighted character with the characters printed above the button one by one as the button is pressed.

• Press **MENU** to cancel editing.

• When finished, press **OK** button to save the new name.

Adding Locks to Channels

• Select the channel that you want to lock and select **Lock** option using "◀"/"▶" button. Press **OK** button to continue.

• You will be asked to enter parental control PIN code. Default PIN is set as **0000**. Enter the PIN number.

• Press **OK** button when the desired channel is highlighted to lock/unlock the channel. Lock symbol will be displayed next to the selected channel. You can repeat the same operation to cancel the lock.

***Note**: Default PIN code is 0000 and it can be changed using the Configuration Menu.*

Locking Multiple Channels:

• Select Lock item and highlight the channel you want to lock. Press **YELLOW** key. The channel will be marked.

• Move to the next channel you want to lock and press **YELLOW** key.

• Mark the other channels you want to lock like the same way and press **OK**.

• Enter the pin code in the menu displayed and press **OK**.

• The selected channels will be locked.

• To mark all the channels in the channel list at once you can use **GREEN** key.

Setting Favourites

• Select Favourites by using "◀"/"▶" button and press **OK** button.

• You can set various channels as favourites so that only the favourite channels are navigated.



• Select a list by pressing "◀"/"▶" buttons. Afterwards select a channel by using "▼"/"▲" button. Press **OK** button to add selected channel to the favourites list.

• Star icon indicates that the selected channel is added to the favourites list.

• You can press **OK** button again to remove the selected channel from the list.

Button Functions:

• **OK**: Adds/removes a station.

• **BLUE**: Displays filtering options.

• **YELLOW**: Tags/untags a channel.

• **GREEN**: Tags/untags all.

Viewing Electronic Programme Guide (EPG)

You can view the electronic programme guide (EPG) to view information about available programmes. The box gets channel & programme information weekly by means of 8 day EPG. Select ***Programme Guide*** from the main menu by using "▼"/"▲" buttons. Press **OK** to continue.

HINT: You can also press the GUIDE button to view the EPG menu.

• Press "▼"/"▲" buttons to navigate through channels.

• Press "◀"/"▶" buttons to navigate through the programme list.

• EPG menu displays available information on all channels.

• Please note that event information is updated automatically. If there are no event information data available for channels, EPG will be displayed with blanks.



For any help concerning set up and use of your STB please call the Customer Helpline: 0845 604 0105

Red button (Prev Day): Displays the programmes of previous day.

Green button (Next day): Displays the programmes of the next day.

Yellow button (Zoom): Expands programme information.

Blue button (Filter): Views filtering options.

INFO (Details): Displays the programmes in detail.

●: Records the selected programme.

Numeric buttons (Jump): Jumps to the preferred channel directly via numeric buttons.

OK (Options): Displays programme options including "***Select Channel***" option.

: Scrolls page left.

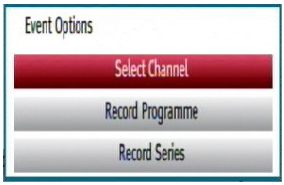
: Scrolls page right.

Text (Search): Displays "***Guide Search***" menu.

(Now) : Shows the current programme.

Event Options

In EPG menu, press the **OK** button to enter the "***Event Options***" menu.



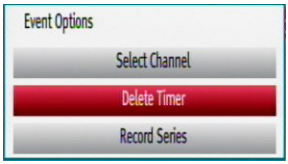
Select Channel

- Using this option, you can switch to the selected programme.

Record Programme/Delete Timer

After you have selected a programme in EPG menu, press the **OK** button and **Event Options** screen will be displayed. Select "**Record Programme**" option and press the **OK** button. The selected programme is then set to record.

To cancel an already set recording, highlight that programme and press the **OK** button and select the option "**Delete Timer**". The recording will be cancelled.



Note: When two recordings are active, you can only watch recorded channels.

Record Series/Delete Series

In the EPG menu, after you have selected a programme, press the OK button and select the Record Series option in the menu which appears and press the OK button again. The selected programme will then be set up for series recording. With this feature, you can record a programme and all of its following parts within 8 days. The information belonging to the selected programme will be saved from the software and following parts of the selected programme which are not included in the period of 8 days, will be automatically added day by day. The letter "s" denotes that these recordings are series records.

To cancel an already set series recording, highlight that programme and press the **OK** button and select the option **Delete Series.** The recordings will be cancelled.

Note: Series programme information should be broadcasted by the broadcaster.

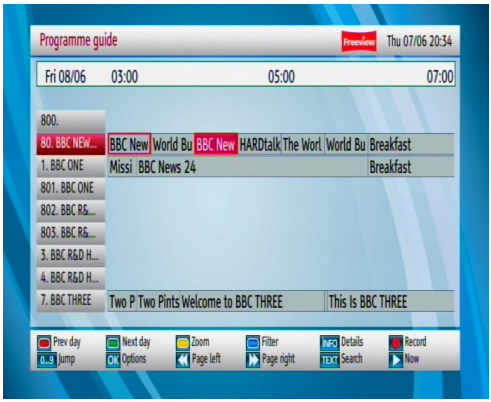
Check Conflicts

A conflict is caused, if more than two programmes are set for recording in the same time interval. In the EPG menu, press the **OK** button. In the following window, select the option "**Check Overlapping Timers**" and press again the **OK** button. You will enter the "**Too Many Timers**" window.



Split Record

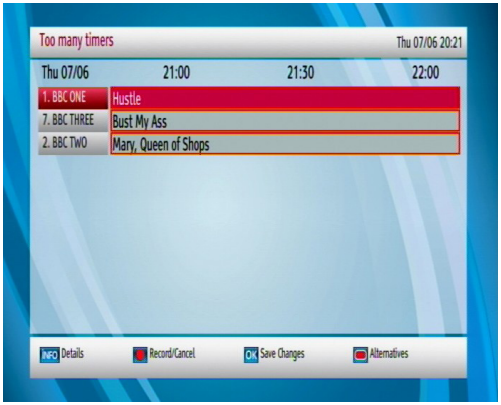
If you select a programme to be recorded, with this feature, if there is another part of the programme available, it will also be set to automatically record. For example in the following picture you see the programme with a red underline, the following episode is also underlined. To do this, you have to press only the RECORD button once. The rest will be done automatically.



Note: Split programme information should be broadcasted by the broadcaster.

Multiple/Alternative Timer Record

It is possible to record or set recording timers for two individual events at the same time interval. If you set more than two recordings at the same time, you will see an error message.

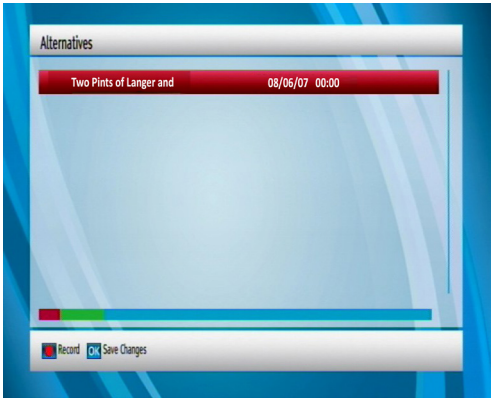


INFO: Pressing this button, gives you detailed information about the selected programme.

Record/Cancel: Sets recordings for the selected programme. If you pres it again, the recording will be cancelled.

OK: Pressing this button will save the latest changes and you will leave this window and go back to the EPG window.

Alternatives: If you press this button, you will get alternatives for the programme which causes a conflict.

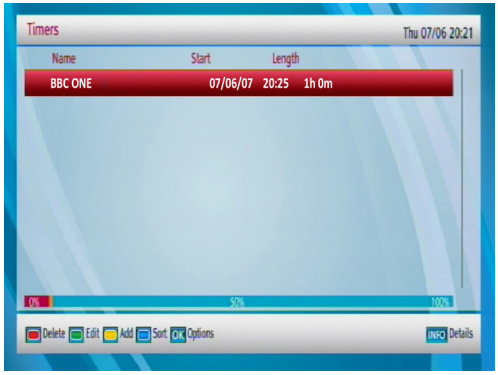


NOTE: A conflict is caused, if more than two programmes are set for recording in the same time interval. To solve this conflict, you have to select an alternative for one of those programmes or cancel one of the recording timers.

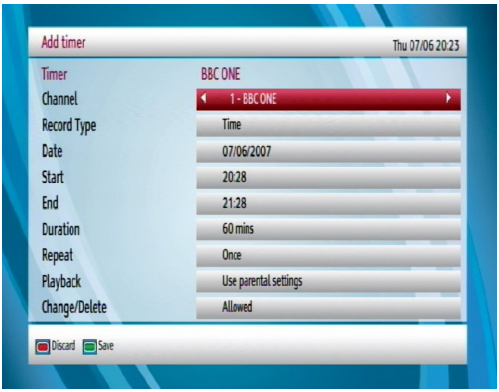
NOTE: If there is still a conflict and you leave this menu by pressing the OK button, you will see this warning message: "There are still conflicts!". A warning triangle will appear nearby the programmes which cause a conflict.

Configuring Timers

Select Timers from the main menu and press **OK** button.



To add a timer, press the **YELLOW** button on the remote control. Then "Add Timer" window appears.



Channel: "◀"/"▶" keys will navigate the user through the TV or Radio list.

Record Type: Displays recording type.

Date: Starting date is entered via the Left/Right or the numeric buttons.

Start: Starting time is entered via the Left/Right or the numeric buttons.

End: Ending time is entered via the Left/Right or the numeric buttons.

Duration: Duration between Start and End time.

Repeat: Sets the repeating preference.

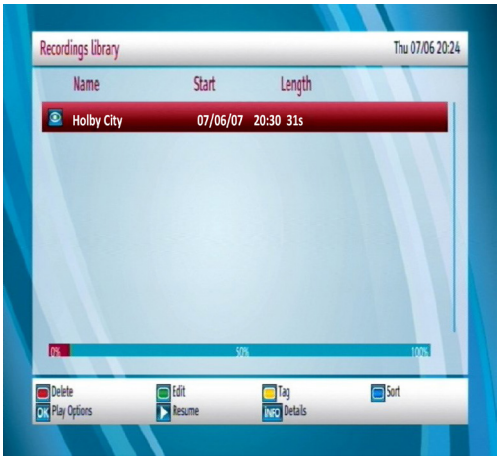
Playback: Sets playback control.

Change/Delete: permits or prohibits any modifications for other users.

You can save the adjustments by pressing the **GREEN** key or cancel the process by pressing the **RED** button. You can edit the timers list via **GREEN** key and delete with the **RED** button. You can sort recorded programme by pressing **BLUE** button. You can also press **OK** button to display other options.

Recordings Library

To view the list of recordings, press the **MENU** button to display the main menu and use the "▼" or "▲" button to highlight the "**Recordings Library**" line and press the **OK** button. Recordings Library will then be displayed with available recordings.



All the recordings are kept in a list in the recordings library.

Red bar: Indicates the used space of the recordings on the hard disk.

Green bar: Displays the approximate capacity required for the timers currently set.

RED button (Delete) :Erases the selected recording.

GREEN button (Edit): Makes changes on the selected recording.

YELLOW button(Tag): Tag/untag a recorded programme.

BLUE button (Sort): Changes the order of the recordings. You can select from a wide range of sorting options.

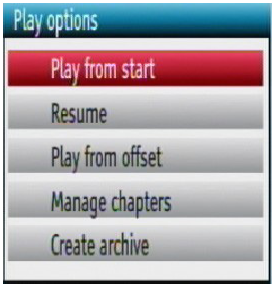
OK button: Displays playing options:

▶ **(Resume)**: Resumes the playback.

Note: Viewing main menu and menu items will not be available during the playback.

INFO (Details): Displays the short extended programmes in detail.

Play Options



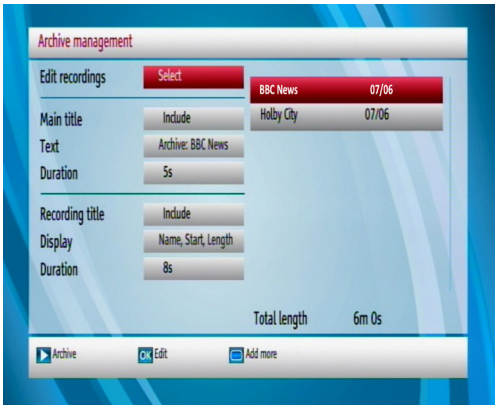
Play from start: Plays the recording from the beginning.

Resume: Begins with playing from the last stopped position.

Play from offset: Begins with playing, from the time which is entered.

Manage chapters : It will display any marked chapters (To set chapter marks, press the Menu button during playback and enter the "Chapter Options" menu) and begin with playback from the selected chapter.

Create archive (Archive management): To use this feature, you should tag the files to be archived first by using the **YELLOW** button. When all the desired recordings are tagged, press **OK** button to display **Play Options** and then select **Create Archive**. When finished, press ▶ button to start archiving.



Edit Recordings: Press **OK** button when **Edit Recordings** is highlighted. Then select the recordings that are to be archived. When finished, press **OK** button and the following menu will be displayed:



In this menu, only **Start recording at** and **Stop recording at** options are active. If you have already split the recording, you could select any chapter. If it is not split in chapters, the beginning and ending time of the recording will automatically be the beginning and ending time of the archiving.

Main Title

If you want to display a main title, select **Include**. If not, select **Skip**. By selecting **Skip**, the options below will be disabled.

Text

After you select the **Include** option in the "Main Title" menu, you can edit the main title.

Duration

Set the duration of the appearance of the main title on the screen.

Recording Title

If you want to display a recording title, select **Include**. If not, select **Skip**.

Display

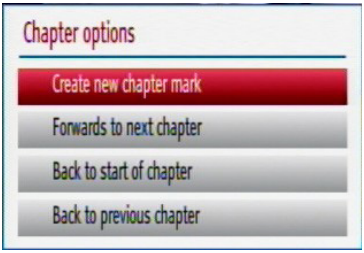
You can add name,start date/time or length information to your archived file by using display option.

Duration

Set the duration of the appearance of the **Edit recording title** menu main title on the screen.

Displaying Chapter Options

During playback of a recording, if you press the MENU button, **Chapter Options** menu will be displayed.



Create New Chapter Mark: You can set a chapter mark anywhere you want.

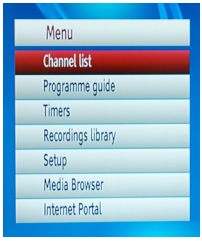
Forwards to Next Chapter: Goes to the next chapter if there is more than one chapter available.

Back to Start Of Chapter: Goes to the beginning of the current chapter. This is the last played chapter.

Back to Previous Chapter: Goes back to the previous chapter if there is more than one chapter available.

Setup

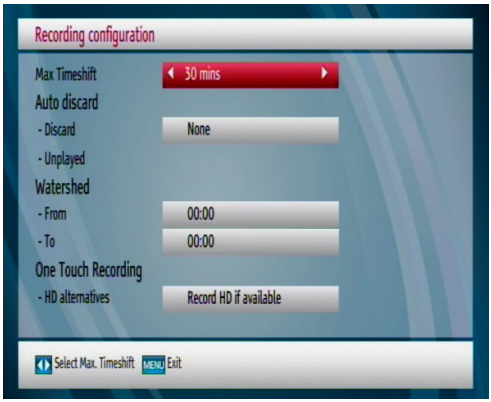
- Detailed settings can be configured to suit your personal preferences.
- Select Setup from the main menu by using "▼"/"▲" buttons and press **OK** button to display Setup menu.





Recordings Configuration

To configure the playback/recording options select the **Recordings** option from the configuration menu.



Max Time Shift

Select the maximum time allowed for timeshifting. See ***Time Shifting*** section for more information on timeshifting

Auto Discard

Discard: When the HDD is full and a timer is set to record, the unit will automatically discard previous recordings based on this setting. The options are as follows:

None: The unit will not discard any recordings and the timer will not record the requested programme.

Oldest: Starting with the oldest, recordings will be deleted to make space for the requested timer.

Longest: Starting with the longest, recordings will be deleted to make space for the requested timer.

Shortest: Starting with the shortest, recordings will be deleted to make space for the requested timer.

Unplayed: If this option is set to **EXCLUDED** any unplayed recordings will NOT be deleted. If this option is set to **INCLUDED**, unplayed recordings WILL be deleted.

Watershed: Use these settings to change the watershed time period. Press **MENU** button to exit.

Any recording which is made during the watershed period will have "Playback" set to "Disallowed" when it appears in the library. You can only play the recording if you enter the PIN.

One Touch Recording :

HD alternatives : You can adjust this setting to suit your preference.

Configuration

- You can configure the main settings of your set top box using the configuration screen.
- Select ***Configuration*** from Setup & Retune menu and press **OK** to continue.
- You can press **BACK** button to exit



Active channels

- You can select broadcasts to be listed in the channel list. To display specific types of broadcast, you should use Active channel list setting.
- Select ***Active Channels*** by using "▼"/"▲" button.
- You can select a broadcast type option from the list by using "◀"/"▶" button. Available modes are: **TV Only, Radio Only, Text Only, Favourites** or **Show All** (if available).
- Press the **MENU** button to save the recent changes and exit.

Scan Encrypted

- When this setting is on, search process will locate the encrypted channels as well. If it is set as Off, encrypted channels will not be located in automatic search or manual search.
- Use"▼"/"▲" buttons to highlight ***Scan Encrypted*** and press "◀"/"▶" buttons to select **YES** or **NO**.

Output Settings



TV Type

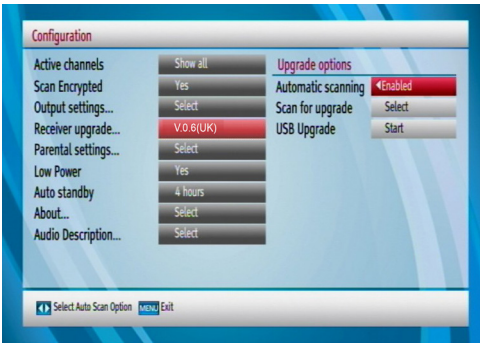
- Digital terrestrial television channels can be broadcast in a widescreen format which must be output differently to normal and widescreen TV sets.
- This function defines the screen format of the connected TV to enable broadcasts' being displayed correctly.
- Select **4:3** if you have a standard TV set with 4:3 aspect ratio.
- Select **16:9** if you have a widescreen TV.

***Note**: This function also enables you to change the TV Type that you have previously selected during the first time installation.*

TV Out

- The set top box can output RGB and CVBS signal via the **TV SCART** connector located on the rear panel.
- Some devices might not support the RGB format.

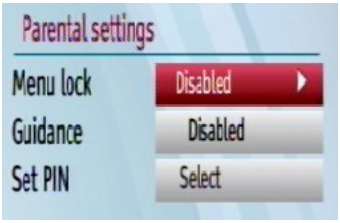
Receiver Upgrade



- To ensure that your set top box always has the most up to date information, you can use this setting. In order for the proper operation, please ensure that the box is set to standby mode.
- The STB automatically powers up at 3.00 A.M. every day and searches for any new software that may be broadcast. If found, the box will download new software automatically. This operation will normally take approximately 30 minutes.
- You can enable or disable automatic upgrade by setting **Automatic Scanning** option.
- You can manually search for new software by selecting **Scan for upgrade**.
- You can also update your set top box by using the USB upgrade option.

Parental Settings

- This setting configures menu locking.
- Select Menu Locking option by using "▼"/"▲" buttons.
- Press **OK** button to enter the menu.
- To display parental lock menu options, PIN number should be entered. Factory default PIN number is 0000. After coding the correct PIN number, parental settings menu will be displayed:



Menu Lock

- Menu lock setting enables or disables the menu access. You can disable access to the installation menu or the whole menu system.

Guidance

Guidance setting enables or disables the menu access.

Set Pin

- Press **OK** to display the "***Set PIN***" window. Use numeric buttons to enter the new pin number. You will need to input your new pin a second time for verification purposes.
- The factory default pin number is 0000. If you change the pin number make sure you write it down and keep it safe.

Low Power

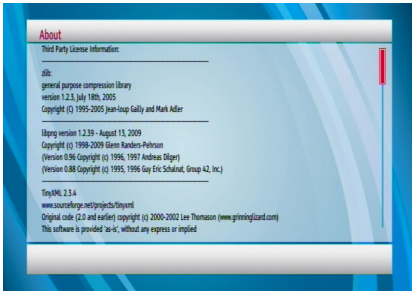
If you enable low power option, low power mode will be activated. In low power mode the power consumption is less then 0.5W (in standby). If you disable low power option the power consumption will be high in standby mode .However the opening time will be shorter and aerial RF loop_through is operative in stand-by when the "Low Power" is set to "NO".

Auto Standby

- Press "▼" or "▲" button to select Auto Sleep. Use "◀" or "▶" button to set the Auto Sleep to **Disabled, 2 Hours, 4 Hours, 6 Hours** or **8 Hours.**
- After the timeout value is reached, the box will switch off.

About

Select **About** and press **OK** button to display system information.

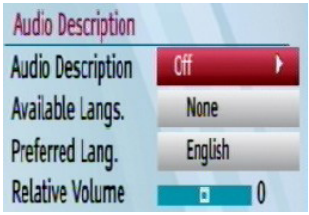


Audio Description

This function enables or disables the audio description feature by pressing the "◀" or "▶" buttons.

Audio description refers to an additional narration track for blind and visually impaired viewers of visual media, including television and movies. The description narrator talks through the presentation, describing what is happening on the screen during the natural pauses in the audio (and sometimes during dialogue, if deemed necessary).You can use this feature, only if the broadcaster supports that additional

narration track. Use "▼" or "▲" buttons to select an item. Then use "◀" or "▶" buttons to set.



Available Langs.

You can see available language in this section.

Preferred Language (Optional)

By pressing the "◀" or "▶" buttons the preferred audio description language is being changed.

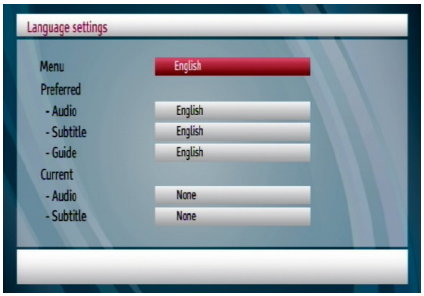
This setting can be used, only if it is available.

Relative Volume (Optional)

Using this option, the Audio Description volume level can be increased or decreased relatively, according to the general volume.

Configuring Language Preferences

- You can operate the TV's language settings using this menu.
- Select ***Language*** from Setup menu and press **OK** to continue.



Menu: shows the language of the system.

Preferred

These settings will be used if available. Otherwise current settings will be used.

• **Audio**: Sets the preferred audio language.

• **Subtitle**: Sets the subtitle language. Selected language will be seen in subtitles.

• **Guide**: Sets guide language.

Current (*)

(*) These settings can be changed if only the broadcaster supports. Otherwise, settings will not be available to be changed.

• **Audio**: Changes the audio language for the current channel.

• **Subtitle**: Sets the subtitle language for the current channel.

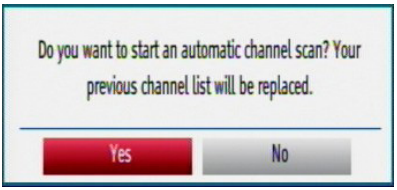
Installation & Retune

- Installation menu will help you to retune your set top box in order to store new services or stations.
- Select Installation from Setup menu by using "▼" or "▲" buttons and press OK to continue.
- Installation menu includes the following items:



Automatic Channel Scan / Retune

- Select ***Automatic Channel Scan / Retune*** by using "▼" or "▲" button and press **OK** button.
- Then the following message will be displayed on the screen:



- Highlight ***Yes*** or ***No*** by using "◀" or "▶" buttons and press **OK** button to confirm.
- If ***Yes*** is selected, automatic search starts.
- Selecting ***No*** cancels automatic search.
- After the scanning is completed, your set top box will store all the available channels.

• In manual channel scan, the number of the multiplex is entered manually and only that multiplex is searched for the channels.

• For each valid channel number, signal level and signal quality are shown on the screen.

• In both manual and auto search, any existing channel in the database is not re-stored to avoid duplicates of that channel.

Format Disk

If you want to format the internal hard disk, you can use **Format Disk** option. **ALL the data stored on the hard disk will be lost in such a case**.

• Press **OK** when the **Format Disk** option is highlighted. A menu appears, requiring you to enter the pin number. If you have not changed the pin number, the factory default is 0000.

• After you enter the correct PIN code, a pop-up menu appears on the screen to ensure that the hard disk should be formatted.

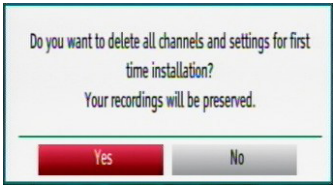
• Select **YES** and press **OK** to format the hard disk. Select **NO** and press **OK** to cancel.

First Time Installation

• If you want to load default settings of your set top box, you can perform first time installation.

• Select ***First Time Installation*** by using "▼" or "▲" button and press **OK** button.

• The following message will be displayed;



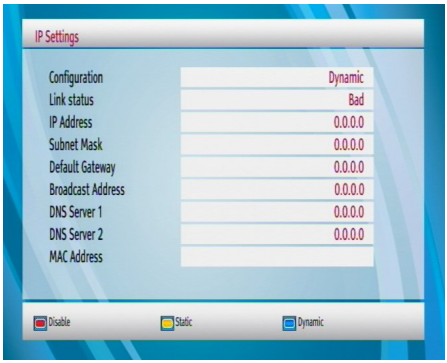
• Highlight ***No*** by using "◀" or "▶" button to cancel installation.

• Highlight ***Yes*** by using "◀" or "▶" button and press **OK** button **to start first time installation.**

• After you select ***Yes***, factory settings will be loaded.

• Installation wizard will guide you through the installation process. See the section, "***First Time Installation***" in previous chapters for more information on this process.

IP Settings



• You can configure your receiver's IP settings by using this menu screen.

• Press **YELLOW** button to set static IP settings.

• Use **BLUE** button to configure dynamic IP settings.

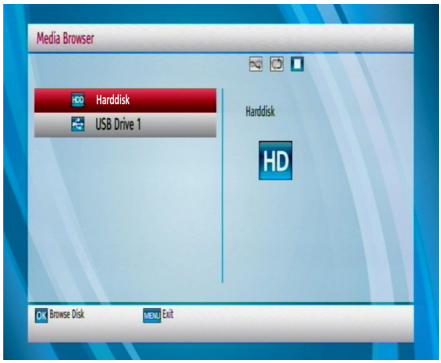
• You can press **RED** button to disable IP configuration.

• In order for the ethernet host to work correctly with your internet connection it needs to have a unique IP address. In most cases all of the parameters can be provided by the DHCP server in their router. In this case you should use the "***Dynamic***" option.

• In the unlikely event that you dou not have a DHCP server in your router or if you prefer to assign your own IP address, then the "***Static***" option can be used. You will need to enter a unique IP address along with the default gateway and DNS server. In most domestic networks the default gateway and DNS server will both be the IP address of the router. Available MAC address will be displayed on MAC address line.

Viewing The Media Browser

• To display Media Browser window, press either "**MENU**" button on the remote control and then select Media Browser by pressing "▼" or "▲" button. Press "**OK**" button to continue. Media Browser menu options will be displayed.



Viewing USB Disk Contents

- You can play music, video and picture files from a USB memory stick, but only music and picture can be played from an external Hard Disk Drive.

***Note**: Some USB compliant devices may not be supported.*

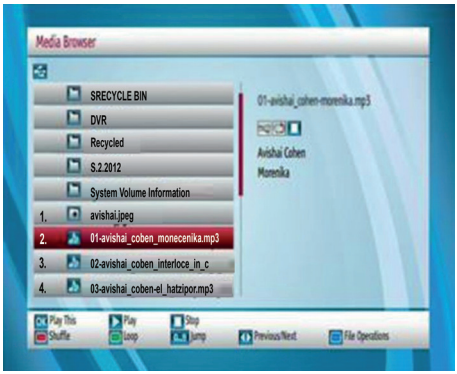
***Note**: If the USB stick is not recognized after power off/on or First Time Installation, first, plug the USB device out and power off/on the STB set. Plug the USB device in again.*

- Select **USB Device** by using **Up** or **Down** button from the **Media Browser** menu and press **OK** button and available file selection options will be displayed.

Media Browser USB Playback

Playing MP3 Files

Select **USB device** option from the main media browser screen and press **OK** button. All available music files will be displayed:



Play This (**OK** button) : Plays the selected file.

Play (▶ button) : Plays all media files in the folder starting with the selected one.

Stop (■ button) : Stop the playing file.

Shuffle (**RED** button) : plays the files randomly. If shuffle mode is enabled previous/next functions will also jump to the tracks randomly.

Loop (**GREEN** button): plays all media files starting with the selected file repeatedly.

Jump (Numeric buttons) : Jumps to the selected file using the numeric buttons.

Previous/Next : jumps to previous or next file to play.

Viewing JPG Files

Select a device from the main media browser screen. Select **PHOTOS** option**(only for harddisc drive)** using the Up or Down buttons, press **OK** button and all available photo files will be displayed:



Jump (**0...9** buttons) : jump to selected file using the numeric buttons.

OK : (**OK** button) views the selected picture in full screen.

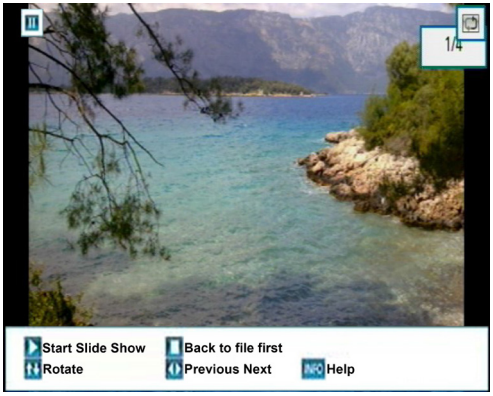
Slideshow (▶ button): starts the slideshow with all pictures in the folder.



File Operation: You can move or copy your files to harddisc from external USB. Select your desired files by using "▼"/"▲" button and press OK to export. Also you can rename or delete selected files.

Slideshow Options

Select picture in media browser using the Up or Down buttons and press **OK** button. Press ▶ button to start slideshow.



Play (▶ button): Start the slideshow.

(■ button) : Back to the file list.

Rotate (▼ ▲ buttons) : Rotate the picture using up/ down buttons.

Previous/Next (◀ ▶ buttons) : Jump to previous or next file of slideshow.

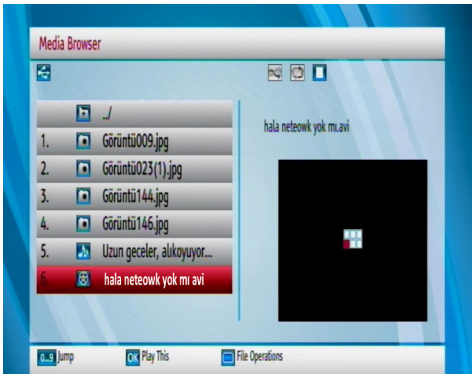
Info : Activates the operations bar.

RED: Activates Shuffle mode.

GREEN : Activates Loop mode.

Playing Video Files

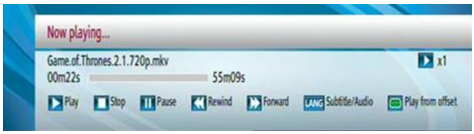
Select a USB device from the main media browser screen. Select **a video files** using the Up or Down buttons, press **OK** button to play video.



Jump (Numeric buttons) : Jumps to the selected file using the numeric buttons.

Play This (**OK** button) : Plays the selected file.

File Operation: You can move or copy your files to harddisc from external USB. Select your desired files by using "▼"/"▲" button and press OK to export. Also you can rename or delete selected files.



Play (▶ button): Play files.

Stop (■ button) : Stop the playing file.

Pause (❚❚ button) : Pauses the playback.

Rewind (◀◀ button): Goes backward.

Menu: Select subtitle and audio filef(if available)

Fast Forward (▶▶ button): Goes forward.

LANG: Sets subtitle or audio.

Green: Plays from Offset.

Supported video types: .avi / mpg / mkv / mp4

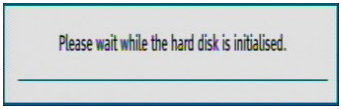
Displaying ALL Files

Select **USB device** option from the main media browser screen. Select **ALL** option using the Up or Down buttons and press **OK** button. All available files will be displayed.

OSD Warning Messages

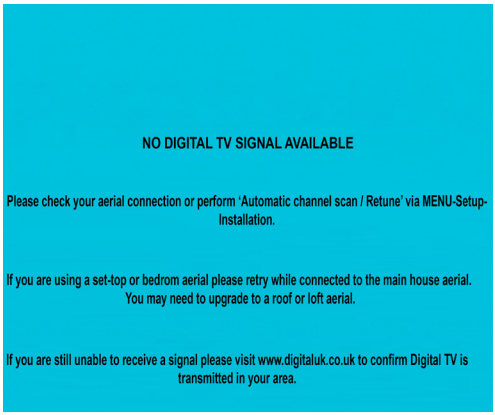
HDD Initialisation

Whenever you switch your set top box on, the following status OSD will be displayed. This status OSD will remain on the screen for a short while. This OSD means that the hard disk is initialised.



No Signal

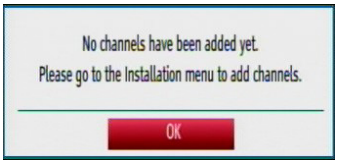
• When the box receives no signal (e.g. the antenna cable is disconnected), "***NO DIGITAL SIGNAL AVAILABLE***" message will be displayed on the screen.



No Channels Have Been Added Yet

• When there are no channels stored in the box, Channel List menu will not be displayed and channel navigation will not be available.

• In such cases, the following error message will be displayed.



Digital Teletex (** for UK only)

• Press the **TEXT** button.

• The digital teletext information appears.

• Operate it with the coloured buttons, cursor buttons and **OK** button.

The operation method may differ depending on the contents of the digital teletext.

Follow the instructions displayed on digital teletext screen.

• When Press "**OK**" button or similar message appears on the screen, press the OK button.

• When the **TEXT** button is pressed, the TV returns to television broadcasting.

• With digital terrestrial broadcasting (DVB-T), in addition to digital teletext broadcasting together with the normal broadcasting, there are also channels with just digital teletext broadcasting.

• The aspect ratio (picture shape) when watching a channel with just digital teletext broadcasting is the same as the aspect ratio of the picture viewed previously.

• When you press the **TEXT** button again, the digital teletext screen will be displayed.

• Many digital terrestrial television channels broadcast pages of information on the programmes, the weather, news and other topics.

• This digital teletext can be displayed by your set top box. Indeed, some channels broadcast teletext information entirely.

• When such a channel is selected, it will usually display the opening page of information automatically, after a short break.

• Some channels mostly have digital teletext pages broadcast along with the television programme.

BBC Iplayer

On BBC channels, BBC Iplayer application is avaliable on digital teletext. After pressing RED(or TEXT) button on any BBC channel with Iplayer application, you should select “BBC Iplayer” on digital teletext to access BBC Iplayer page. Please note that a network connection should be established, in order to activate BBC Iplayer.



•Use Up/Down and Left/Right buttons to navigate between the items on iPlayer screen.

•Press OK button to confirm your selection.

Internet Portal

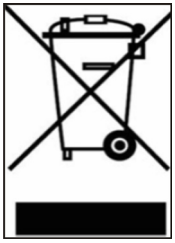
You can access internet portal using your set-top box. To do this, an active internet connection is required. After the connection is established, you can select “Internet Portal” option from the main menu to activate the portal. You can access several applications using this portal.



Problem	Possible Reasons	What To Do
The LED indicator does not glow.	Power Adaptor is not connected.	Check if the AC adaptor is plugged into the power socket.
No picture or sound.	No signal or weak signal.	Check the aerial and video connections (scart).
Changes in the settings have not taken effect.	The set top box was unplugged without first switching to standby mode.	Make sure that the box is in standby mode before unplugging it from the mains.
The remote control is not working.	• The set top box is in standby. • Remote control is out of range. • Batteries are exhausted.	• Press the STANDBY button. • Check that the remote control range is clear. • Replace the batteries with new ones.

Information for Users in European Union Countries

The above mark is in compliance with the Waste Elektrical and Electro-nicEquipment Directive 2002/96EC (WEEE). The mark indicates the requi-rement NOT to dispose the equipment including any spent or discarded batteries as unsorted municipal waste, but use the retum and collection systems available. If the batteries or accumulators included with this equipment display the chemical symbol Hg, Cd, or Pb, then it means that the battery has a heavy metal content of more than 0.0005% Memcury, or more than 0.002% Cadmium or more than, 0.004% Lead.



CE

GENERAL CHARACTERISTICS

Power supply for set-top box: 12 V DC 2Amp

Preffered DC Adaptor: 220 - 240 V AC, 50-60Hz

Input Frequency	470Mhz-862Mhz
Frequency Band	UHF
Maximum Power consumption	17,5 W
Standby Power Consumption	0,5 W
Operating temperature	5ºC to +40ºC
Storage temperature	-15ºC to +55ºC
Humidity	25 to 75 % rel
Physical dimensions	231x137x43mm
Weight	0,9kg

HARDWARE CONFIGURATION

Main Processor	BCM7230
Flash Memory	64 MB
DDRRAM	512 MB

DIGITAL CAPABILITIES

Transmission Standards	MPEG2, MPEG4 HD DVB-T-2
Frequency Band	UHF

DEMODULATION

COFDM with 2K/8K FFT mode.

FEC for all DVB Modes.(Automatically found)

16QAM, 64QAM, 256QAM with 1k, 2k, 4k, 8k, 16k, 32k FFT mode

VIDEO

ALL MPEG-4 (part 10) MP@ML Video Decoder

Aspect Ratio	4:3, 16:9 with pan vector
RGB analogue outputs.	BW ≥ 5MHz at 0.5 to 5 MHz sweep signal

CVBS analogue output.

Profiles

MPEG-4 H.264/AVC HP@L 4.0, MP@L 4.0 (HD)

- H.264/AVC MP@L 3 .2, HP@L 3 .2 (SD)
- MPEG-2 MP@HL, MP@ML (SD)

AUDIO

MPEG1 Layer 1 and 2

Sampling frequencies supported 32 kHz, 44.1 kHz or 48 kHz.

Output can be programmed as STEREO, LEFT only or RIGHT only (on both outputs). This is useful for dual mono channels in order to select the correct sound track, which is stored for every channel.

Wide dynamic range 16-bit resolution

REMOTE CONTROL

Operating Distance	7 m Max.
Batteries	2x1.5V Micro (R-03/AAA)

TUNERS

1 xRF In	IEC-type, female (75Ohm)
1 x RF Out (loop through)	IEC-type, male (75Ohm)

HARD DISK

Hard Disk capacity 500 GB

FRONT PANEL

Display : Seven segment display

Remote Control Keys	On / Off , Down ,Up

AUDIO

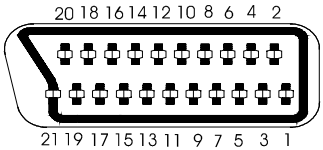
Output	2 Vrms, 0 dBfs / Z = 10 kohm

DIGITAL AUDIO

Output	Optical SPDIF

A / V & DATA IN / OUT

Scart	TV scart
RGB Video Output	TV scart
Analog Audio Output	TV scart
Digital Audio Output	Optical output



For any help concerning set up and use of your STB please call the Customer Helpline: 0845 604 0105

Product Guarantee

This product is guaranteed against manufacturing defects for a period of



Year

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalided if the product is re-sold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.
- In the event of a problem with the product with in the guarantee period call the **Customer Helpline: 0845 604 0105**.

Guarantor: Argos Ltd
489 - 499 Avebury Boulevard
Central Milton Keynes
MK9 2NW

For any help concerning set up and use of your STB please call the Customer Helpline: 0845 604 0105

Home Retail Group
489-499 Avebury Boulevard
Saxon Gate West
Central Milton Keynes
MK9 2NW

