

LOGIK

1TB Freeview HD TV Recorder

Instruction Manual
L1HSTB12



Contents

Unpacking	5
Product Overview	6
Front View	6
Rear View	6
Remote Control	7
Battery Replacement of the Remote Control	9
– Handling the Batteries	9
– Handling the Remote Control	9
Remote Control Operation Range	9
Initial Set Up	11
Plug In and Switch On	11
Standby Modes	11
Auto Standby Mode	11
Low Power Standby Mode	12
First Time Installation	12
Target Region Descriptor	13
Programme Guide (EPG)	14
Switch On / Off Programme Guide	14
Button Functions in a 7 Days Guide	14
Event Options	15
– Select Channel	15
– Record Programme / Delete Timer	15
– Record Series / Delete Series Number	15
– Check Conflicts	16
– Split Record	16
– Alternative Timer Record	16
Guide Search	17
Basic Features	18
Information Bar	18
Volume Adjustment	18
Channel Select	18
TV/RADIO Selection	19
Teletext Selection	19
Language Selection	19
Favourite List	19
Recording	20
Instant Recording	20
EPG Recording	20
Time Shift Recording	21
Manual Timer Programming	22
– Add Timer	22
Play Recorded Programme	23
Viewing the Media Browser	24
Connecting a USB Storage Device	24
Listening to Music	24

Viewing Photos	26
Playing Slideshow	27
Watching Movies	27
File Operations	29
Channel List Setting	30
Select Channel.....	30
Delete Channel.....	30
Delete Multiple Channels	31
Rename Channel	31
Lock Channel	31
Lock Multiple Channel.....	32
Favourite Channel	32
Channel List Filter.....	33
Info.....	33
Timers Setting	34
Delete Timer	34
Edit Timer	34
Add Timer.....	34
Sort Timer	34
Recordings Library Setting	35
Delete Recording.....	35
Edit Recording	36
Tag Recording.....	36
Sort Recording.....	36
Resume Playback Recording	36
Recording Information.....	36
Play Options	37
Play from Start	37
Resume	37
Play from Offset	37
Manage Chapters	37
Create Archive	37
Chapters Options	38
Archive Management	38
Edit Recording	39
Main Title	40
Recording Title	40
Recordings Setup.....	41
Configuration Setup	43
Language Setup.....	46
Installation Setup	47
IP (Internet Protocol) Installation Setup.....	48
Hints and Tips	49
Specifications.....	50
Safety Warnings	51

Thank you for purchasing your new Logik 1TB Freeview HD TV recorder. We recommend that you spend some time reading this instruction manual in order that you fully understand all the operational features it offers. You will also find some hints and tips to help you resolve any issues.

Read all the safety instructions carefully before use and keep this instruction manual for future reference.

Unpacking

Remove all packaging from the unit. Retain the packaging. If you dispose of it please do so according to local regulations.

The following items are included:



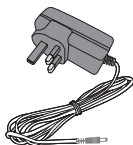
Main unit



Remote Control



AAA Batteries X 2



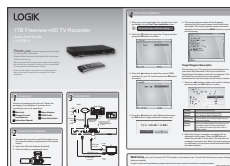
Mains Adapter



HDMI Cable



Instruction Manual



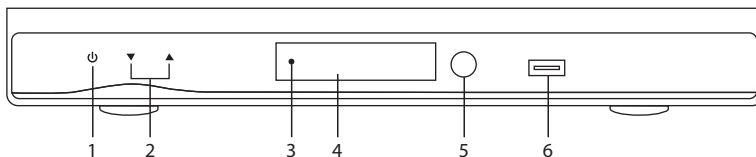
Quick Start Guide



If items are missing, or damaged please contact Partmaster (UK only).
Tel: 0844 800 3456 for assistance.

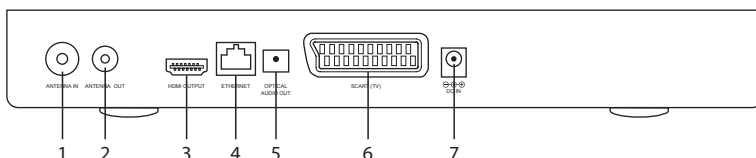
Product Overview

Front View



- 1. ⏻ Button**
 - Switches the unit between the **ON** and **STANDBY** modes.
- 2. ▲▼ Button**
 - To change channels.
- 3. Power indicator**
 - Lights up red when the unit is in **STANDBY** mode.
 - Lights up green when the unit is on.
- 4. LED Display**
 - Display is blank when in standby mode.
 - Displays the current programme number after the unit is turned on.
- 5. Remote Control Sensor**
- 6. USB Socket**

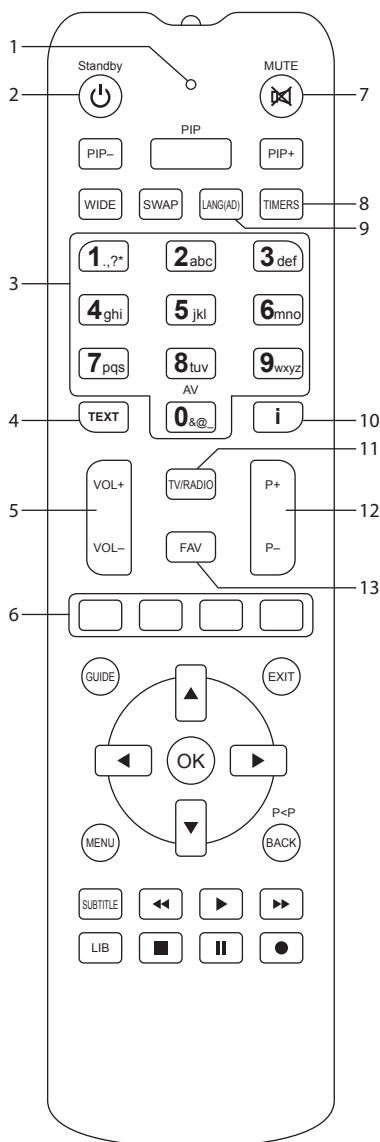
Rear View



- 1. Aerial IN Socket**
- 2. Aerial OUT Socket**
- 3. HDMI Socket**
- 4. Ethernet Socket**
- 5. OPTICAL Socket**
- 6. SCART TV Socket**
- 7. DC IN Socket**

Remote Control

- 1. Power Indicator**
- 2. ⏻ Standby Button**
 - Switches the unit on and off.
- 3. 0-9 Buttons**
 - Selects a channel.
 - Enter numeric values in the set-up menus.
 - Selects characters for renaming.
- 4. TEXT Button**
 - Displays interactive and digital text services (where available).
- 5. VOL + / - Button**
 - Adjusts the volume up and down.
- 6. Coloured Buttons (Red/Green/Yellow/Blue)**
 - For interactive functions.
 - To access the teletext item or select the group channel.
- 7. 🔇 MUTE Button**
 - Mute and restore your unit's sound.
- 8. TIMERS Button**
 - Allows you to view, edit or add timer events.
- 9. LANG(AD) Button**
 - Displays the subtitles menu to select a subtitle language.
 - Turns on / off the Audio Description (AD) function (only applicable when the TV programme has this feature).
- 10. i Button**
 - Displays channel and programme information.
- 11. TV/RADIO Button**
 - A short-cut to switch between TV and Digital radio channels.
- 12. P + / - Button**
 - Switches to the next or previous channel.
 - Moves one page up or down in the channel list.
- 13. FAV Button**
 - Displays the favourite menu.



Please note that the PIP mode function, Wide and Swap are not available on this model.

14. **GUIDE Button**

- Displays the EPG Electronic Programme Guide.

15. **◀▲▼▶ Buttons**

- Navigates menus and programme guides.

16. **OK Button**

- Confirms a selection in the OSD menu.
- Displays the channel list.

17. **MENU Button**

- Displays the Main menu.

18. **SUBTITLE Button**

- To select subtitles which are broadcast with the programme (if available).

19. **LIB Button**

- Displays the library menu where your programmes are recorded.

20. **EXIT Button**

- Exits a menu and returns to normal TV viewing.

21. **BACK Button**

- Returns to the previous menu.

P<P Button

- Switches back to the last channel watched

22. **◀◀▶▶ Button**

- Allows fast reversing / fast forwarding of the recorded programmes.

▶ PLAY Button

- Start / resume playback.

■ Button

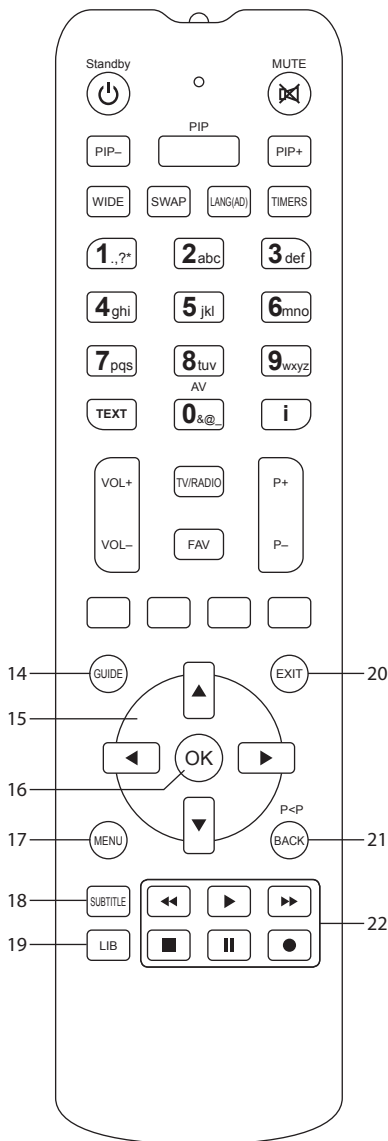
- Stops playback or recording.

II Button

- Pause playback.
- Start time-shift function.
- Play the playback forward frame by frame.

● Button

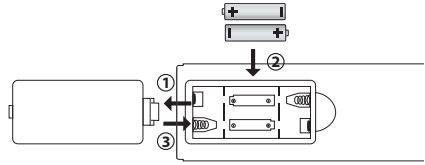
- Records programme and scheduled recordings.



Please note that the PIP mode function, Wide and Swap are not available on this model.

Battery Replacement of the Remote Control

1. Squeeze the cover lever and lift the battery cover to access the battery compartment of the remote control.
2. Insert two AAA size batteries (included). Ensure the polarities (+ and -) of the batteries match the (+) and (-) ends indicated in the battery compartment.
3. Close the battery compartment cover.



Handling the Batteries

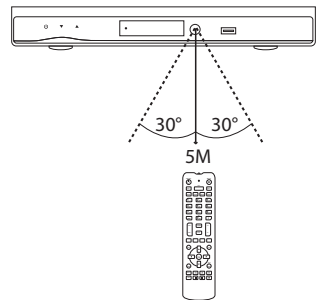
- Improper or incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- Only use the battery type indicated in this manual.
- When the batteries are exhausted, the remote will not function. Replace both batteries at the same time with new ones.
- Do not install new batteries with used ones and do not mix different types of batteries.
- Do not dispose of used batteries as domestic waste. Dispose of them in accordance with local regulations.

Handling the Remote Control

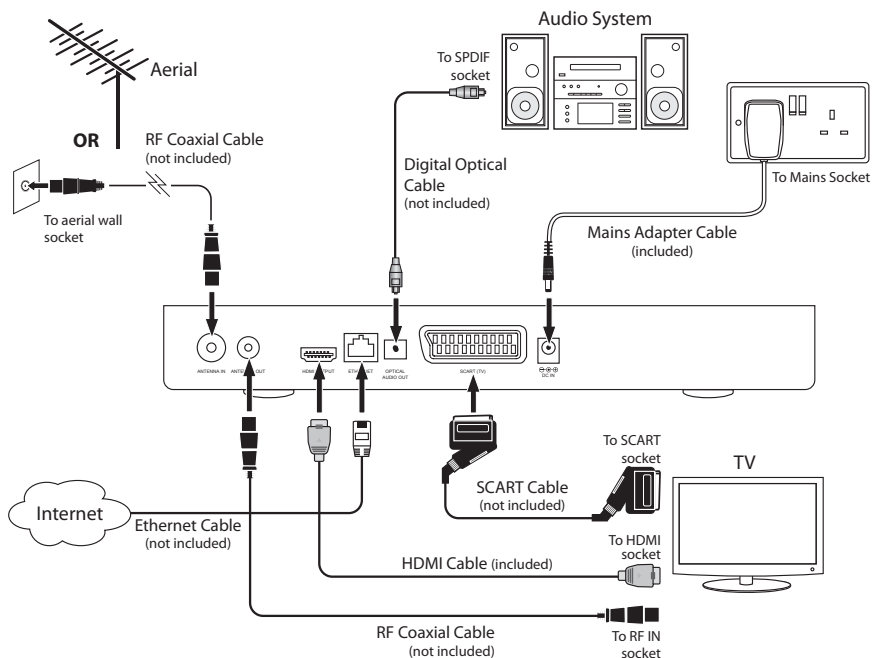
- Take care of your fingernails when you press and hold the battery release tab.
- Do not drop or cause impact to the remote control.
- Do not spill water or any liquid on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.
- Remove the battery from the remote control when not in use for a long period of time, as it could cause corrosion or battery leakage and may result in physical injury and/or property damage including fire.

Remote Control Operation Range

Keep the remote control within approx. 5 metres of the remote control sensor on the unit and within 60° in front of the unit. The operating distance may vary depending on the brightness of the room.



System Connection



1. Ensure your TV and any other equipment you are connecting to are switched off.
2. Connect one end of the RF coaxial cable (not supplied) to the aerial socket on the wall and the other end to the ANTENNA IN socket on the rear panel of the unit.
3. Connect another RF coaxial cable (not supplied) to the ANTENNA OUT socket on the rear panel of the unit and the other end to your TV.
4. Connect the supplied HDMI cable to the HDMI socket at the back of the unit and an HDMI socket on your TV. There may be more than one HDMI socket on your TV. If you are not sure which one to use, check the TV's instruction manual.



If your TV has no HDMI socket, then it must be connected to the unit with a SCART cable, and you will not be able to watch channels in high definition.


5. If your TV has no HDMI socket, connect one end of the SCART cable (not supplied) to the SCART (TV) socket on the rear panel of the unit and the other end to the SCART socket on your TV.
6. You can also connect the unit to a stereo or surround sound system, so that you can listen to the TV sound through the sound system instead of (or as well as) the TV's speakers. You will connect one end of the Digital Optical cable (not supplied) to the OPTICAL AUDIO OUT socket on the rear panel of the unit and the other end to the audio system.

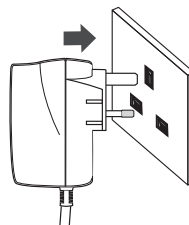


If you require additional assistance please call our UK Call Centre on **0844 561 1234**. Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm and Sunday 8am-6pm.

Initial Set Up

Plug In and Switch On

1. Connect the mains adapter cable to the mains socket after you have completed all the connections and switch on. At this stage, the unit switches to standby mode. The red LED indicator will illuminate on the front panel of the unit.
2. Switch your TV on and select the HDMI or SCART input.
3. Press the  **Standby** button to turn the unit on. The red LED indicator will turn green. The first installation screen will show on the television screen.



The unit will take a while to load.

Standby Modes

This unit contains 2 standby modes.

Auto Standby Mode

The unit will automatically switch to standby mode 3 hours after the last time the remote control was used. A reminder screen will pop up and count down before the unit switches to standby mode.

To turn off the auto standby function, press the **MENU** button to display the main menu. Press the **▲▼** buttons to select the **Setup** option and then press the **OK** button to enter the **Setup** menu. Press the **▲▼** buttons to select the **Configuration** option and then press the **OK** button. Press the **▲▼** buttons to select **Auto Standby** option and then press the **◀▶** buttons to select **2 Hours / 3 Hours / 4 Hours / 6 Hours / 8 Hours / Disabled**. Press the **EXIT** button to exit the main menu.

Low Power Standby Mode

When the unit is in On mode, press the **Standby** once, the unit will enter the active standby mode and the power indicator will illuminate red. To turn the unit on again, press the **Standby** button again. The power indicator will illuminate green.

The unit enters low power standby mode after approximately 1 minute. The LED display will be blank.

To turn the unit on again, press the **Standby** to turn the unit on, the power indicator will illuminate green. It may take a minute until the unit is initialised.



- If you press the **Standby** button during recording or if any EPG programme recordings and/or manual recordings are set, the unit does not switch to low power mode and remains in active standby mode until recording tasks have been finished.
- 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.



First Time Installation

1. When your unit is switched on for the first time, it will go straight into the **First Time Installation** menu.

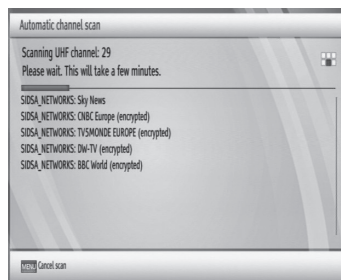
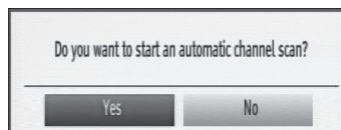


The unit will take a while to load.

2. Press the **◀▶** buttons to select the TV type and then press the **OK** button to confirm.
3. Press the **◀▶** buttons to select the correct HDMI resolution for your TV and then press the **OK** button to confirm.



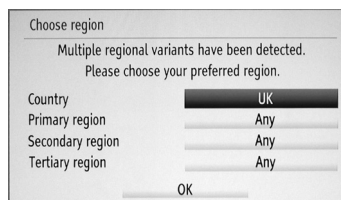
4. Press the ◀▶ buttons to select **Yes** and then press the **OK** button to begin automatic channel scan.
5. The tuning progress screen will be displayed, showing you how many channels have been found and saved. The tuning may take several minutes to complete. You can press the **MENU** button to cancel the auto tuning.



Target Region Descriptor

During tuning your TV may have received signals from more than one transmitter. If this has occurred the Target Region Descriptor screen will be displayed. This will enable you to select the correct regional transmission for the local news service that you require.

1. Press the ◀▶ buttons to adjust each option's setting and then press the **OK** button to confirm.



Country	This will be shown as UK for the UK.
Primary Region	This will show the regional country (e.g. England, Wales, Scotland, NI).
Secondary Region	This will allow you to set the region for your local news service.
Tertiary Region	You may receive signals from more than one transmitter within the Secondary Region (e.g Beds and Cambs may have Luton or Sandy Heath).

2. When the tuning is complete, a message will be displayed on the screen. Press the **OK** button to restart the unit after 3-5 seconds. The channels are arranged in a preset order. When the search progress is completed, you can watch saved broadcasts after the restart process.

Programme Guide (EPG)

This system has an Electronic Programme Guide (EPG) to help you navigate through all the possible viewing options. The Programme Guide supplies information such as programme listings, start and end times for all available services (the availability and amount of programme information will vary, depending on the particular broadcaster). The Programme Guide displays the programme details for the next 7 days.

Switch On / Off Programme Guide

- Press the **GUIDE** button or press the **MENU** button and then press the **▲▼** buttons to select **Programme Guide**.
- Press the **GUIDE** button again or press the **BACK** button to switch off Programme Guide and return to normal TV viewing.



Button Functions in a 7 Days Guide

Remote Control Button	Function
▲ or ▼	Selects a channel.
◀ or ▶	Selects a channel programme.
RED (Prev Day)	Displays the programmes of previous day.
Green (Next Day)	Displays the programmes of next day.
Yellow (Expand)	Expands programme information.
Blue (Filter)	Views filtering options. (For more details, please refer to section Channel List Filter .)
i	Displays the detail Information for the selected programme.
●	Record the selected programme.
Numeric (0-9)	Jumps to the preferred channel directly.
OK	Displays the Event Options . (For more details, please refer to section Event Options .)
◀◀ or ▶▶	Displays previous or next page.

TEXT (Search)	Displays Guide Search menu. (For more details, please refer to section Guide Search page 17.)
► PLAY	Shows the current programme.
GUIDE	Exit Programme Guide and return to normal TV viewing.

Event Options

1. Press the **▲▼** buttons to select the desired channel and then press the **◀▶** buttons to select the desired programme.
2. Press the **OK** button to display the **Event Options**.



If there is an HD alternative to the selected programme, there will be an additional entry at the bottom of the menu, called, "HD Alternative".

Select Channel

Press the **▲▼** buttons to select **Select Channel** and then press the **OK** button to switch to channel of the programme which is selected.

Record Programme / Delete Timer

Press the **▲▼** buttons to select the programme to be recorded, then press the **●** button to set the recording.

To cancel an already set recording, select that programme and press the **OK** button to display the **Event Options**. Press the **▲▼** buttons to select **Delete Timer** and then press the **OK** button again to confirm.

Record Series / Delete Series Number

Press the **▲▼** buttons to select **Record Series** and then press the **OK** button to record a programme and all of its following parts within 7 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 recordings.

Programme guide		Preview Thu 05/07 15:05	
	Fri 06/07	15:30	16:30
2. BBC TWO	Dead Prank Patrol D Me and My Mo Blue Peter	News Copycats	
3. ITV1	Dickinson's Real A Touch of Frost	Tipping Point	
4. Channel 4	Countdown Deal or No Deal	Four in a Bed	
5. Channel 5	Survival On The Mountain	5 News at 5	
6. ITV2	The Real Housewives of Orange County Real Housewives of New York		
7. BBC THREE	This Is BBC Three		
9. BBC FOUR	This Is BBC Four		
10. ITV3	Monk The Lakes World Kitchen Terry an		
11. Pick TV	The Biggest Loser Nothing To Declare Nothing To Declare Passport Patrol		



Series programme information, where available, will be broadcast by the broadcaster.

To cancel a series that has been set to record, select that programme and press the **OK** button to display the **Event Options**. Press the **▲▼** buttons to select **Delete Series** and then press the **OK** button again to confirm.

Check Conflicts

If more than two programmes are set for recording in the same time interval or if more than two reminders have the same starting time, a conflict is caused.

The **Too Many Timers** window will automatically open. (For more details, please refer to the section **Alternative Timer Record**.)



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 if you see the programme with a red underline, the following episode is also underlined. To do this, you have to press only the ● button once. The rest will be done automatically.



Split programme information, where available, will be broadcast by the broadcaster.

Split programme



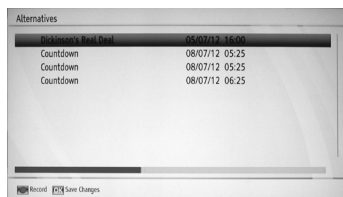
Alternative Timer Record

If more than two programmes are set for recording in the same time interval or if more than two reminders have the same starting time, a conflict is caused.

The **Too Many Timers** window will automatically open. Press the **Red** button to display the **Alternative** Window. Select an alternative for one of those programmes or cancel one of the reminders.

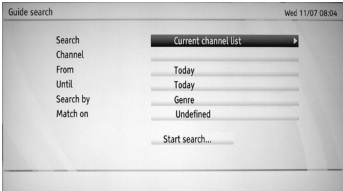
If there is still a conflict and you leave this menu by pressing the **OK** button, you will see the warning message: **"There are still conflicts!"**

If you fail to resolve the conflicts, the two earliest programmes will be recorded and any later conflicting programme will fail.



Guide Search

You can search the EPG for upcoming programmes.
From the EPG view, press the **TEXT** button to display the **Guide Search** menu.



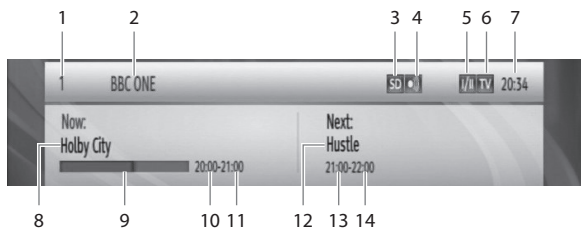
Press the ▲▼ buttons to select the following options:

Search	Select from: Current Channel List / Single channel / All channels / All TV channels / All Radio channels.
Channel	Select the channel for a single channel search.
From	Select the day to start the search.
Until	Select the day to finish the search.
Search by	Select from: Genre / Name match
Match on	If Genre is selected above then select from the Genre list. If Name match is selected above then enter the name using the 0-9 buttons as you would when entering text on a mobile phone.

Basic Features

Information Bar

Press the **i** button to display information about the current programme.



- | | |
|---|----------------------------------|
| 1. Channel number currently viewed | 8. Current programme name |
| 2. Channel name currently viewed | 9. Programme progress bar |
| 3. Definition of programme (High Definition or Standard Definition) | 10. Current programme start time |
| 4. Audio Description is available | 11. Current programme end time |
| 5. Programme can be received in two languages (dual language) | 12. Next programme name |
| 6. Programme mode (TV or Radio) | 13. Next programme start time |
| 7. Current time | 14. Next programme end time |

Volume Adjustment

- Press the **V + / -** buttons on the remote control to adjust the volume.
- Press the **MUTE** button on the remote control to switch the sound off. Press the **MUTE** button again or press the **V + / -** buttons to cancel this function.

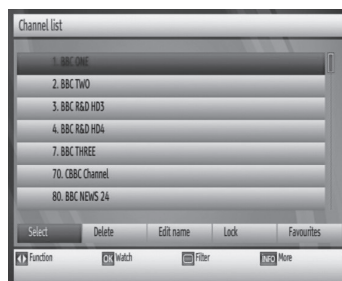


Channel Select

- Press the **P + / -** buttons on the remote control repeatedly or the **0-9** buttons on the remote control to select the channel.
- Press the **OK** button to enter the **Channels List**. Then use the **▲▼** buttons to select the channel and then press the **OK** button to watch.



- When a channel is locked, a valid password must be entered. The default password is "0000".
- If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".



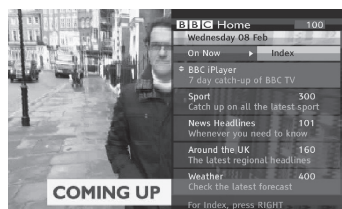
TV/RADIO Selection

Press the **TV/RADIO** button to switch between TV and Digital radio channels.

Teletext Selection

Digital teletext can access special digital teletext services and specific services which broadcast digital teletext.

1. First, ensure the **Subtitle** function is turned off. Press the **TEXT** button to enter Teletext. (If Teletext is transmitted.)
2. Follow the instructions on digital teletext and move onto the next step by pressing **OK**, **▲****▶****▼**, **RED**, **GREEN**, **YELLOW**, **BLUE** or **0-9** buttons etc.
3. To change digital teletext service, select a different service by pressing the **0-9** buttons.
4. Press the **i** button to display the INFO bar or bring up a menu the teletext screen will continue to be displayed behind the INFO bar or menu.
5. Press the **TEXT** button again to exit the Teletext.



Language Selection

Press the **LANG(AD)** button to change the audio and subtitle language (only applicable when the TV programme supports this feature).

Favourite List

1. To create your Favourite List, press the **OK** button to display the **Channel List**.
2. Press the **▲▼** buttons to select your desired channel to be set as favourite. Press the **OK** button to confirm. The favourite programme icon will be display.
 - Press the **BLUE** button to display the filtering options. (For more details, please refer to section **Channel List Filter**.)
 - Press the **YELLOW** button to tag or untag a channel. (For more details, please refer to section **Tag Recording**.)
3. To remove the favourite channel from the Favourite List. Press the **FAV** button to display the **Favourite List** and then press the **▲▼** buttons to select your desired favourite channel. Press the **OK** button to cancel.



Press the **FAV** button to display your **Favourite List**.

Recording

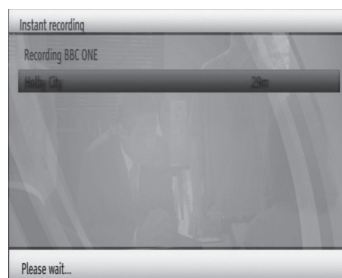


Make sure that the unit's built-in HDD has enough available memory space.

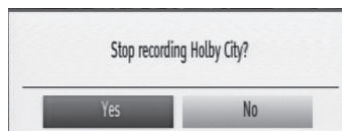
Instant Recording

Use this function to record the TV programme you are watching on the main screen and save them for future viewing.

1. Press the **●** button to record the programme that you are currently watching, **Instant Recording** screen will be displayed for a short time.



2. Press the **■** button to stop recording and then press the **◀▶** buttons to select **YES** to stop recording.



- If you want to turn off your unit during recording, press the **⏻ Standby** button. The LED display will show the time.
- When the programme is recording, please do not unplug the unit from the mains socket as this will damage the unit's HDD.
- When two recordings are active, you can only watch recorded channels. You are only allowed to schedule up to 2 events for Instant Record at any one time.

EPG Recording

This allows you to preset some programmes to be recorded in standby mode or on mode. For more details, please refer to the section **Programme Guide (EPG)**.

Time Shift Recording

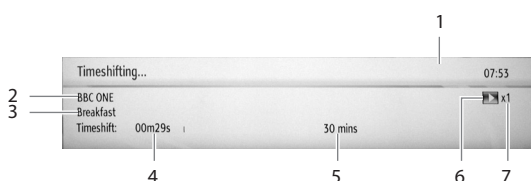
This function allows the unit to virtually record the live viewing broadcast programme.



- Time shift and recording functions may not work if the signal strength is weak.
- Recording will stop automatically when the disk is full.
- During time shift, changing channels will cause time shift to terminate.
- The duration of time shift can be adjusted from **Recordings** in the **Configuration** menu. (For more details, please refer section **Configuration Setting**.)

During normal TV viewing, you may press the **II** button to virtually pause the live viewing broadcast programme if you want to go out for a while (e.g. going to the bathroom / kitchen). “**II**” will be shown in the time shift progress bar and display on the screen for a short while. Press the **I** button to display the time shift progress bar again.

When you have returned, press the **▶ PLAY** button to play the missed broadcast programme. There may be a few seconds delay in video and sound when the unit starts to playback the missed broadcast programme. It will return to normal.



Time Shift Progress Bar

1. Current time
2. Channel name
3. Programme name
4. Indicates the time lagging behind the live broadcast (DVR reviewing)
5. Indicates the total recording time
6. Indicates the status of the currently displayed programme
7. Fast Forward Speed (shown only during fast forward of a time-shifted programme).

Remote Control Button	Function
II	During playback, press the II button to display a still screen and then press the ▶ PLAY button again to resume playback.
◀◀ or ▶▶	When playing, Press the ◀◀ button repeatedly to speed up ◀◀ x 2 / x 4 / x 8 / x 16 / x 32 . Press the ▶▶ button repeatedly to speed up ▶▶ x 2 / x 4 / x 8 / x 16 / x 32 . During fast forward / fast backward state, press the ▶ PLAY button to return to normal playback.
▶ PLAY	Press the ▶ button to resume playback from a still screen. During fast forward / fast backward state, press the ▶ PLAY button to return to normal playback.
■	If you want to exit the time shift and return to the current live broadcast, press the II button.

Manual Timer Programming

This function is used to perform scheduled recording.

The recording from timer programme or direct recording may have a little bit of delay when it starts to record the broadcast programme.

1. Press the **Timers** button to display the **Timers** menu.



2. You can edit the **Timers** menu by using the following **Colour** buttons:

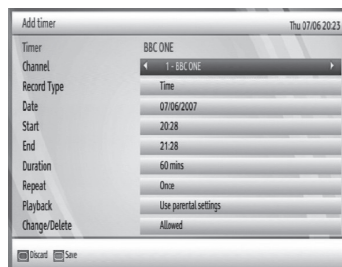
Remote Control Button	Function
Red (Delete)	Delete the timer event.
Green (Edit)	Edit the timer event.
Yellow (Add)	Add a new timer event.
Blue (Sort)	Sort timer events by time or alphabetical order. Please see Timers setting on page 34.

Add Timer

1. Press the **Timers** button to display the **Timers** menu.



2. Press the **YELLOW** button to display the **Add Timer** menu.



- Press the **▲▼** buttons to select the following options and the **◀▶** or **0-9** buttons to change the settings.

Channel	Navigate through the TV or Radio list.
Record Type	Display the recording type.
Date	Start Date.
Start	Start Time.
End	End Time.
Duration	Displays the duration of the recording.
Repeat	Sets the repeating preference.
Playback	Permit or block playback for other users.
Change / Delete	Permit or prohibit any modifications for other users.

- Press the **Green** button to save the timer or the **RED** button to discard the settings and exit the menu.

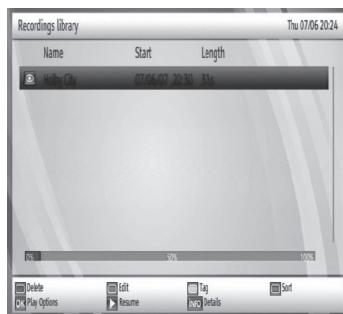
Play Recorded Programme

You can play a recorded programme from the Recordings Library.

- Press the **LIB** button or the **MENU** button and then press the **▲▼** buttons to select **Recordings Library** menu to display the **Recording Library**.
- Press the **▲▼** buttons to select your recorded programme and then press the **▶ PLAY** button to start playback from the last stopped position or press the **OK** to enter **Play Options** menu. (For more details, please refer to section **Play Options**.)
- Press the **■** button to stop the current playback.

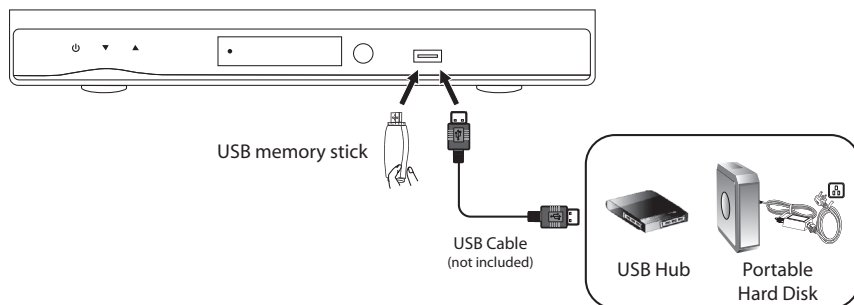


A "Playback Progress Bar" will be displayed only during fast-forward/-rewind mode.



Viewing the Media Browser

Connecting a USB Storage Device



- Some versions of portable hard disk may require more power than the unit USB socket can provide. To ensure correct operation please use the power adapter for that device.
- If a USB hub is used, make sure its mains adapter is connected to the mains supply as the total current consumption may exceed 500mA.
- Disconnect the USB storage device if it is not in use.
- Some USB compliant devices may not be supported.

1. Switch off the unit before connecting any USB storage device.
2. Connect your USB storage device to the USB port of your unit.
3. Plug the connected devices into the mains socket before switching on the unit.
4. Press the **Standby** button to turn on your unit and your USB storage device.

Listening to Music

1. Press the **MENU** button to display the main menu.



- Press the **▲▼** buttons to select **Media Browser** and then press the **OK** button. The **Media Browser** menu will be displayed.
- Press the **▲▼** buttons to select your select your storage device and then press the **OK** button to display the file list.



- Press the **▲▼** buttons to navigate in the file list. Press the buttons according to the following list.



Remote Control Button	Function
OK (Play This)	Plays the selected track.
▶ PLAY	Plays all media files in the folder starting with the selected track.
■ (Stop)	Stop the playing file.
Red (Shuffle)	Plays the files randomly. If shuffle mode is enabled previous / next functions will also jump to the tracks randomly.
Green (Loop)	Plays all media files starting with the selected file repeatedly.
0-9 (Jump)	Jumps to the selected file.
◀▶ (Previous / Next)	Jumps to previous or next file to play.
BLUE (File Operation)	Copy or move Copy or move the folder / sub-folder / track (file) from USB to hard disk or vice versa. (For more details, please refer to section File Operation .) from USB to hard disk or vice versa. (For more details, please refer to section File Operation .)

- Press the **BACK** button to return to the previous menu or the **MENU** button to exit.



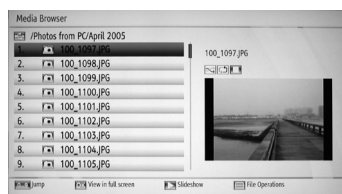
- Some audio file formats will not be supported.
- Supported file formats: mp3 / wma.

Viewing Photos

1. Press the **MENU** button to display the main menu.
2. Press the **▲▼** buttons to select **Media Browser** and then press the **OK** button. The **Media Browser** menu will be displayed.
3. Press the **▲▼** buttons to select your storage device and then press the **OK** button to display the file list.



4. Press the **▲▼** buttons to navigate in the file list. Press the buttons according to the following list.



Remote Control Button	Function
0-9 (Jump)	Jumps to the selected photo.
OK (View in Full Screen)	Views the selected photo in full screen.
▶ PLAY (Slideshow)	Plays all photos in the folder starting with the selected photo. (For more details, please refer to section Playing Slideshow .)
BLUE (File Operation)	Copy or move the folder / sub-folder / photo from USB to hard disk or vice versa. (For more details, please refer to section File Operation .)



File format supported: JPG.

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

Playing Slideshow

1. Press the **▲▼** buttons to select photos in media browser and then press the **OK** button.
2. Press the **▶ PLAY** button to start slideshow.



3. Use the following buttons to select options.

Remote Control Button	Function
▶ PLAY (Slideshow)	Plays all photos in the folder starting with the selected photo.
■ (Back to file list)	Stop the slideshow and back to the file list.
▲▼ (Rotate)	Rotate the photo.
◀▶ (Previous / Next)	Jumps to previous or next file of slideshow.
i	Activates the operation bar.
RED (shuffle)	Plays the files randomly. If shuffle mode is enabled previous / next functions will also jump to the tracks randomly.
Green (Loop)	Plays all media files starting with the selected photo repeatedly.

Watching Movies

1. Press the **MENU** button to display the main menu.
2. Press the **▲▼** buttons to select **Media Browser** and then press the **OK** button. The **Media Browser** menu will be displayed.
3. Press the **▲▼** buttons to select your storage device and then press the **OK** button to display the file list.



4. Press the ▲▼ buttons to navigate in the file list.
Press the buttons according to the following list.

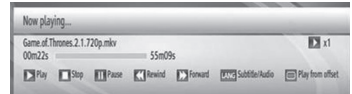


Remote Control Button	Function
0-9 (Jump)	Jumps to the selected movie.
OK (Play This)	Plays the selected movie.
BLUE (File Operation)	Copy or move the folder / sub-folder / file from USB to hard disk or vice versa. (For more details, please refer to section File Operation .)



File format supported: avi, mpg, mkv, mp4.

5. While playback, press the following buttons to select the function.



Remote Control Button	Function
▶ PLAY	Plays the movie.
■ (Stop)	Stop playback.
 	During playback, press the button to pause the playback. Press the ▶ PLAY button again to resume playback.
◀◀ or ▶▶	When playing, Press the ◀◀ button repeatedly to speed up $\times 2 / \times 4 / \times 8 / \times 16$. Press the ▶▶ button repeatedly to speed up $\times 2 / \times 4 / \times 8 / \times 16$. During fast forward / fast backward state, press the ▶ PLAY button to return to normal playback.
LANG	Select subtitle or audio.
GREEN (Play from offset)	Play the movie from the time which is entered.

6. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

File Operations

You can move or copy your files to hard disk from external USB.

1. Press the **MENU** button to display the main menu.



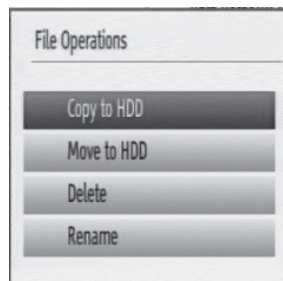
2. Press the **▲▼** buttons to select **Media Browser** and then press the **OK** button. The **Media Browser** menu will be displayed.
3. Press the **▲▼** buttons to select your storage device and then press the **OK** button to display the file list.



4. In file list, press the **▲▼** buttons to select folder / sub-folder / track (file) and then press the **BLUE** button to enter to **File Operations** menu.



Only one folder, sub-folder or track (file) can be selected at any one time. Use the [cursor] buttons to select the folder / sub-folder / track (file) to be copied, moved or played.



5. Use the **▲▼** buttons to select the following options and then press the **OK** button.

Copy to HDD	Copy the folder / sub-folder / track (file) from USB to hard disk or vice versa.
Move to HDD	Move the folder / sub-folder / track (file) from USB to hard disk or vice versa.
Delete	Delete the selected folder / sub-folder / track (file).
Rename	Rename the selected folder / sub-folder / track (file).

Channel List Setting

1. Press the **MENU** button to display the main menu.



2. Press the **▲▼** buttons to select **Channel List** and then press the **OK** button. The **Channel List** menu will be displayed.



You can press the **OK** button to display the **Channel List** directly.



Select Channel

1. Press the **▲▼** buttons to select the channel.
2. Press the **◀▶** buttons to select **Select** and then press the **OK** button to watch.



- When a channel is locked, a valid password must be entered. The default password is "0000".
- If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".

Delete Channel

1. Press the **▲▼** buttons to select the desired channel you want to delete.
2. Press the **◀▶** buttons to select **Delete** and then press the **OK** button.
3. A message will be displayed on the screen. Press the **◀▶** buttons to select **YES** to confirm or **NO** to exit the menu.

Delete Multiple Channels

1. Press the **▲▼** buttons to select the desired channel you want to delete.
2. Press the **YELLOW** button to tag the channel. The selected channel will be marked.



You can press the **GREEN** button to tag all channels in the list at once.

3. Repeat step 2 until all desired channels have been marked.
4. Press the **◀▶** buttons to select **Delete** and then press the **OK** button.
5. A message will be displayed on the screen. Press the **◀▶** buttons to select **YES** to confirm or **NO** to exit the menu.

Rename Channel

1. Press the **▲▼** buttons to select the desired channel you want to rename.
2. Press the **◀▶** buttons to select **Edit name** and then press the **OK** button.
3. The name appears on the middle of the screen with the first character highlighted. Use the **◀▶** buttons to move to the previous/next character and the use the **▲▼** buttons to toggle the current character. Or use **0-9** buttons replaces the highlighted character with the characters printed above the button one by one as the button is press.
4. Press the **OK** button to confirm the new name or press the **MENU** button to cancel the editing.

Lock Channel

Lock Channel is designed to prevent children watching unsuitable programmes. When a channel is blocked, a valid password must be entered.

1. Press the **▲▼** buttons to select the desired channel you want to lock.
2. Press the **◀▶** buttons to select **Lock** and then press the **OK** button.
3. Use the **0-9** buttons to input a 4-digit password and then press the **OK** button. The lock icon will be displayed in the front of the selected channel.



- When a channel is locked, a valid password must be entered. The default password is "0000".
- If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".

4. To cancel the lock channel, repeat the steps 1-4.

Lock Multiple Channel

1. Press the **▲▼** buttons to select the desired channel you want to lock.
2. Press the **YELLOW** button to tag the channel. The selected channel will be marked.



You can press the **GREEN** button to tag all channels in the list at once.

3. Repeat step 2 until all desired channels have been marked.
4. Press the **◀▶** buttons to select **Lock** and then press the **OK** button.
5. Use the **0-9** buttons to input a 4-digit password and then press the **OK** button. The lock icon will be displayed in the front of the selected channel.

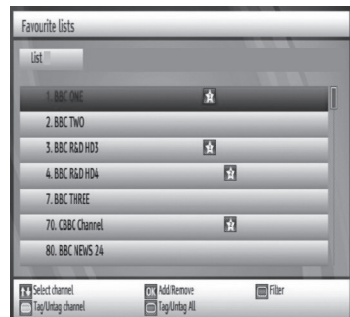


- When a channel is locked, a valid password must be entered. The default password is "0000".
- If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".

6. To cancel the lock channel, repeat the steps 1-4.

Favourite Channel

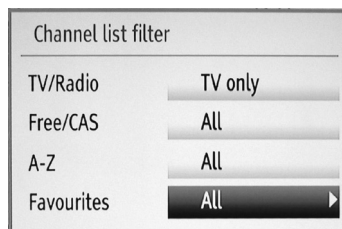
1. Press the **▲▼** buttons to select your desired channel.
2. Press the **◀▶** buttons to select **Favourites** and then press the **OK** button to confirm. The favourite programme icon will be display.
 - Press the **BLUE** button to display the filtering options. (For more details, please refer to section **Channel List Filter**.)
 - Press the **YELLOW** button to tag or untag a channel. (For more details, please refer to section **Tag Recording**.)
3. To remove the favourite channel from the Favourite List. Press the **FAV** button to display the **Favourite List** and then press the **▲▼** buttons to select your desired favourite channel. Press the **OK** button to cancel.



Channel List Filter

It is possible to filter the channel list to show only the channels to suit your criteria. To filter the channel list in either EPG view or channel list view, press the **Blue** button to display the **Channel List Filter**. Press the **▲▼** buttons to select the following options.

TV/Radio	Select from: TV Only / Radio Only / Text Only.
Free/CAS	Select from: All / Free / Encrypted.
A-Z	Select by alphabetical list.
Favourites	Select from: All / Favourites.



This product cannot receive Encrypted channels.

Info

1. Press the **▲▼** buttons to select the desired channel.
2. Press the **i** button to display the information of the channel.

Timers Setting

1. Press the **MENU** button to display the main menu.



2. Press the **▲▼** buttons to select **Timers** and then press the **OK** button. The **Timers** menu will be displayed.



You can press the **TIMERS** button to access the **Timers** menu directly.



Delete Timer

1. Press the **▲▼** buttons to select the desired programme you want to delete.
2. Press the **RED** button to delete the timer.

Edit Timer

1. Press the **▲▼** buttons to select the desired programme you want to edit.
2. Press the **Green** button to edit the saved timers.

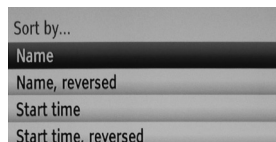
Add Timer

For more details, please refer to the section **Manual Timer Recording**.

Sort Timer

Whilst viewing the list of upcoming timer events it is possible to sort them into your preferred order. Name - Name, reversed - Start time - Start time, reversed.

1. Press the Blue button to display the Sort options list.
2. Press the **▲▼** buttons to select the desired sort option.
 - **Name:** Sort the timer events in alphabetical order of the programme title.
 - **Name, reversed:** Sort the timer events in reverse alphabetical order of the programme title.
 - **Start time:** Sort the timer events in time order with the earliest time at the top.
 - **Start time, reversed:** Sort the timer events in time order with the latest time at the top.



Recordings Library Setting

1. Press the **MENU** button to display the main menu.



2. Press the **▲▼** buttons to select **Recordings library** and then press the **OK** button. The **Recordings Library** menu will be displayed the saved recorded programme.



You can press the **LIB** button to access the **Recording library** menu directly.



Capacity Space of Hard Disk

1. Red bar: indicates the used space of the recordings on the hard disk.
2. Green bar: shows the free space on the hard disk.

Delete Recording

1. Press the **▲▼** buttons to select the recorded programme you want to delete.
2. Press the **RED** button to delete recording.

Edit Recording

1. Press the **▲▼** buttons to select the recorded programme you want to edit.
2. Press the **GREEN** button to enter **Edit Recording Details** menu.
3. Only the **Start recording at** and **Stop recording at** options are active. If you have already separated recording, you could select any chapter to begin with the archiving and stop it. If it is not separated in chapters, the beginning and ending time of the recording will automatically be the beginning and ending time of the archiving.

Edit recording details	
Name	BBC News
Recorded on	Thu 07/06, 20:19
Recording length	5m 8s
Start recording at	0m 0s
Stop recording at	End
Archive length	5m 8s

Tag Recording

1. Press the **▲▼** buttons to select the recorded programme you want to tag.
2. Press the **YELLOW** button to mark the recorded programme for archiving. (For more details, please refer to section **Create Archive (Archive Management)**.)

Sort Recording

1. Press the **▲▼** buttons to select the recorded programme you want to sort.
2. Press the **BLUE** button and the **▲▼** buttons to move to the selected programme and then press the **BLUE** button to confirm.

Resume Playback Recording

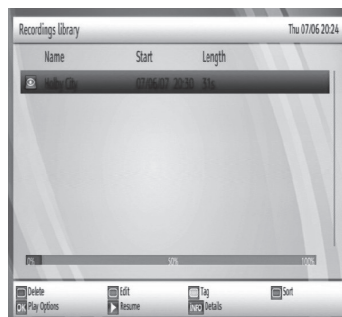
1. Press the **▲▼** buttons to select the recorded programme you want to play.
2. Press the **▶PLAY** button to start playback from the last stopped position.

Recording Information

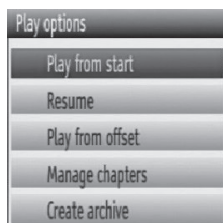
1. Press the **▲▼** buttons to select the recorded programme.
2. Press the **i** button to display the programme in detail.

Play Options

1. Press the **MENU** button and then press the **▲▼** buttons to select **Recordings Library** or the **LIB** button to display the **Recording Library** menu.



2. In **Recordings library** menu, press the **▲▼** buttons to select the recorded programme you want to play.
3. Press the **OK** button to enter **Play Options** menu.



Play from Start

Press the **▲▼** buttons to select **Play from start** and then press the **OK** button to play the recorded programme from the beginning.

Resume

Press the **▲▼** buttons to select **Resume** and then press the **OK** button to play the recorded programme from the last stopped position.

Play from Offset

Press the **▲▼** buttons to select **Play from offset** and then press the **OK** button to play the recorded programme from the time which is entered.

Manage Chapters

Press the **▲▼** buttons to select **Manage chapters** and then press the **OK** button. It will display any marked chapters (for more details on marked chapters, please refer to section **Chapter Options**) and begin with playback from the selected chapter.

Create Archive

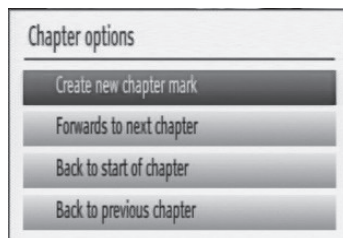
To archive the recorded programmes to an external device like a DVD player. (For more details, please refer to section **Achieve Management**.)

Chapters Options

1. During playback, press the **MENU** button to display the **Chapter Options** menu.
2. Press the **▲▼** buttons to select the following options and then press the **OK** button.

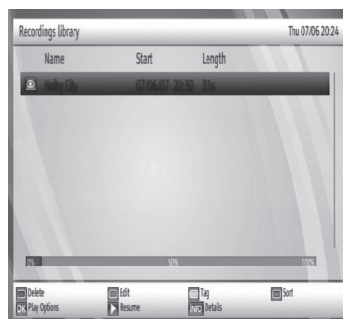
Create New Chapter Mark	Set a chapter mark anywhere you want.
Forwards to Next Chapter	If there is more than one chapter, go to the next chapter.
Back to Start of Chapter	Go to the beginning of the current chapter.
Back to Previous Chapter	Back to the previous Chapter.

3. Press the **MENU** button to exit the menu.

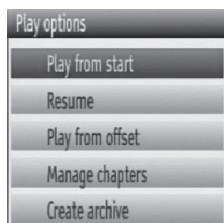


Archive Management

1. Press **MENU** button and then press the **▲▼** buttons to select **Recordings Library** or the **LIB** button to display the **Recording Library** menu.
2. Press the **▲▼** buttons to select a recorded programme you want to archive. Press the **YELLOW** button to mark the recorded programme.



3. Press the **OK** button to enter the **Play Options** menu.

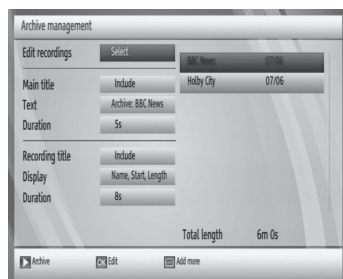


- Press the **▲▼** buttons to select the **Create Archive** and then press the **OK** button to display **Archive Management** menu.

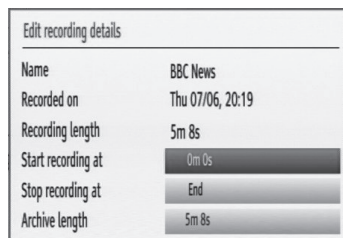


Edit Recording

- Press the **◀▶** buttons in **Edit recordings** tab to go to recorded programme list on the right side of the menu.



- Press the **▲▼** buttons and then press the **OK** button to select the recorded programme you want to edit. The **Edit Recording Details** menu will be displayed.
- Only the **Start recording at** and **Stop recording at** options are active. If you have already separated recording, you could select any chapter to begin with the archiving and stop it. If it is not separated in chapters, the beginning and ending time of the recording will automatically be the beginning and ending time of the archiving.
- Press the **BACK** button to return to the previous menu or the **MENU** button to exit.



Main Title

1. Press the ▲▼ buttons to select **Main title**.
2. Press the ◀▶ buttons to select **Include** to display a main title or **Skip** to disable.



If you select **Skip** in **Main Title** tab, the options **Text** and **Duration** below will also be disabled.

3. Use the ▲▼ buttons to select the following options and then press the **OK** button.

Text	Edit the main title.
Duration	Set the duration of the appearances of the main title on the screen.

Recording Title

1. Press the ▲▼ buttons to select **Recording title**.
2. Press the ◀▶ buttons to select **Include** to display a recording title or **Skip** to disable.



- If you select **Skip** in **Recording Title** tab, the options **Display** and **Duration** below will also be disabled.
- While archiving, you could decide to show the names of the saved recordings on the screen.

3. Press the ▲▼ buttons to select the desired options and then press the **OK** button.


Display	You could decide, which of the following items should be displayed in the recording title: Name, Start date/time, Length. Press the ▲▼ buttons to select the options and the ◀▶ buttons to select Include or Skip .
Duration	Set the duration of the appearance of the Recording title on the screen.

Recordings Setup

1. Press the **MENU** button to display the main menu.
2. Press the **▲▼** buttons to select **Setup** and then press the **OK** button. The **Setup** menu will be displayed.
3. Press the **▲▼** buttons to select **Recordings** and then press the **OK** button. The **Recording Configuration** menu will be displayed.



4. Use the ▲▼ buttons to select the following options and the ◀▶ buttons to adjust the settings.

Max Timeshift	Selects the maximum time allowed for timeshifting. For more details, please refer the section Time Shift Recording .		
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	Excluded	Unplayed recordings WILL NOT be deleted.
		Included	Unplayed recordings WILL be deleted.
Watershed	Sets the watershed time period.  <ul style="list-style-type: none"> Any recording which is made during the watershed period will have "Playback" set to "Disallowed" when it appears in the recordings library. You need to enter the PIN before play the recording. 		
One Touch Recording	HD Alternatives	Adjusts the setting to suit your preference.	

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

Configuration Setup

1. Press the **MENU** button to display the main menu.
2. Press the **▲▼** buttons to select **Setup** and then press the **OK** button. The **Setup** menu will be displayed.
3. Press the **▲▼** buttons to select **Configuration** and then press the **OK** button. The **Configuration** menu will be displayed.



4. Use the **▲▼** buttons to select the following options and the **◀▶** buttons to adjust the settings.

Active Channels	Select broadcasts type to be listed in the Channel List: TV Only / Radio Only / Text Only / Favourites / Show All (if available).
Scan Encrypted	Allow you to enable or disable to search encrypted channels.

Output Settings	TV Type	Allows you to select 16:9 / 4:3.	
		16:9	Widescreen picture shown in the full screen.
		4:3	Widescreen picture shown in the full screen with black bars on the top and bottom of the screen.
	TV Out	Allows you to select from CVBS / RGB from the SCART socket. Note: Select CVBS to output a standard composite video. Select RGB to output a better picture quality.	
	AC3 Audio	Turn On / Off AC3 Audio function.	
	SPDIF Delay	If you find the sound and picture falling out of sync, you can delay the sound output by a small amount to compensate.	
	Digital Audio	Selects from PCM or Bitstream.	
Receiver Upgrade	HDMI Resolution	Selects the correct resolution for your TV.	
	Auto OAD (Over Air Download)	The unit auto detects the latest firmware through the DTV signal and allows you to accept or refuse the firmware upgrade service. The unit automatically powers up at 3.00 A.M. each day and searches for any new information which may be broadcast and will download this to your receiver automatically. This operation will normally take approximately 30 minutes. If you have an important recording to make at 3.00 A.M. which must not have a 30 minutes interrupt then you can disable the auto OAD.	
	Scan for Upgrade	Press the ▲▼ buttons to select Scan for upgrade and then press the OK button to upgrade the receiver.	
	USB Upgrade	This function is only for servicing purposes. Any update information for this TV (if any) will be available at the following website: http://knowhow.com/ or call our UK Call Centre on 0844 561 1234 . Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm or Sunday 8am-6pm.	

Parental Control	The Lock System is designed to prevent accidental retuning of the TV / losing channels and prevent children watching unsuitable programmes. To access the menus, you must enter the password. Enter the default password "0000" for first time use. If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".	
	Menu Lock	Disable: All menus are unlocked. All Menus: The user cannot add, delete, rename channels and set timers. Installation Menu: The user cannot add channels.
	Guidance	Enables or disables the menu access.
	Set PIN	Input the new 4-digit password. Re-enter new password for confirmation.
Low Power	In low power mode, the power consumption is less than 1 W and the front display will show no time information in standby mode. If low power mode is deactivated, all functions will be reactivated.	
Auto Standby	The unit will automatically switch to standby mode 3 hours after the last time the remote control was used. A reminder screen will pop up and count down before the unit switches to standby mode. Select the Auto Standby options: 2 Hours / 3 Hours / 4 Hours / 6 Hours / 8 Hours / Disabled.	
About	Displays system information.	
Audio Description	Audio Description is an auxiliary audio function that provides an additional audio track for visually challenged persons. This function handles the Audio Stream for the AD (Audio Description), when it is sent along with the main audio from the broadcaster.	
	Audio Description	<ul style="list-style-type: none"> Set to "Off" for normal broadcasting sound coming out from speakers. Set to "On" to activate the description sound track if available.
	Available Lang.	Select your desired primary audio language.
	Preferred Lang.	Select your desired secondary audio language. (Available for digital channels if multiple audio languages are broadcast.)
	Relative Volume	Adjusts the Audio Description volume level.

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

Language Setup

1. Press the **MENU** button to display the main menu.



2. Press the **▲▼** buttons to select **Setup** and then press the **OK** button. The **Setup** menu will be displayed.



3. Press the **▲▼** buttons to select **Language** and then press the **OK** button. The **Language settings** menu will be displayed.



4. Use the **▲▼** buttons to select the following options and the **◀▶** buttons to adjust the settings.

Menu	Displays the language of the system.	
Preferred	Audio	Select your desired primary audio language. (Available for digital channels if multiple audio languages are broadcast.)
	Subtitle	Select your desired primary subtitle language. (Available for digital channels if multiple subtitle languages are broadcast.)
	Guide	Select the guide language.
Current	Audio	Select your desired secondary audio language. (Available for digital channels if multiple audio languages are broadcast.)
	Subtitle	Select your desired secondary subtitle language. (Available for digital channels if multiple subtitle languages are broadcast.)

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

Installation Setup

1. Press the **MENU** button to display the main menu.





2. Press the **▲▼** buttons to select **Setup** and then press the **OK** button. The **Setup** menu will be displayed.



3. Press the **▲▼** buttons to select **Installation** and then press the **OK** button. The **Installation** menu will be displayed.



4. Use the **▲▼** buttons to select the following options and then press the **OK** button.

Automatic Channel Scan / Retune	Use this to automatically find and store all available channels. This is normally recommended if some channels have been added or removed by the broadcaster or if you have moved house.
Manual Channel Scan	Allows you to make manual fine tuning adjustments to the channel.
Format Disk	<p>Format the internal hard disk. To access the menus, you must enter the password. Enter the default password "0000" for first time use. If you change the password, be sure to remember the new password! If you forget the new password, press the master password "4725".</p> <p> All data stored on the hard disk will be lost.</p>
First Time Installation	<p>Restores all settings to the factory defaults.</p> <p> All channel and user settings will be lost and the unit will revert to "First Time Installation".</p>

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.

IP (Internet Protocol) Installation Setup

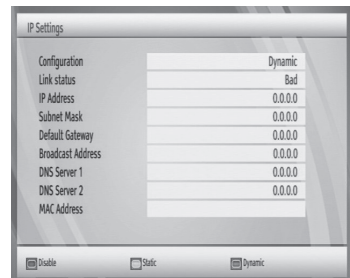
1. Press the **MENU** button to display the main menu.



2. Press the **▲▼** buttons to select **Setup** and then press the **OK** button. The **Setup** menu will be displayed.



3. Press the **▲▼** buttons to select **IP Settings** and then press the **OK** button. The **IP Settings** menu will be displayed.



4. Press the **RED** button to **Disable** IP configuration.

If your broadband modem/router is not compatible with DHCP (Dynamic Host Configuration Protocol), you will need to set the addresses manually. Press the **YELLOW** button to change the configuration to **Static** and for each of the addresses in turn (IP Address, Subnet Mask, Router Address, and DNS Address). It is necessary to configure the IP settings to enable access to On Demand services such as BBC iPlayer.

In order for the ethernet host to work correctly with your internet connection. It needs to have a unique IP address. Press the **BLUE** button to set to **Dynamic**.

5. Press the **BACK** button to return to the previous menu or the **MENU** button to exit.



Please check the user manual for your modem/router for this information.

Hints and Tips

If a problem does occur, it may often be due to something very minor. The following table contains various tips. If you require additional assistance please call our UK Call Centre on **0844 561 1234**. Our UK Customer Contact Centre is open Monday-Saturday 8am-8pm or Sunday 8am-6pm.

Problem	Possible Cause	Solution
Standby Indicator Off	<ul style="list-style-type: none"> Mains adapter disconnected 	<ul style="list-style-type: none"> Check mains adapter connection on unit and mains socket
"No signal" message	<ul style="list-style-type: none"> Aerial cable is disconnected 	<ul style="list-style-type: none"> Check the aerial cable connection at the unit. Consult your installer if necessary
No picture or sound	<ul style="list-style-type: none"> Unit not switched on SCART cable disconnected TV not switched to SCART input 	<ul style="list-style-type: none"> Switch on unit Check SCART cable connections at the unit and the TV Select TV's SCART input
Picture appears in wrong ratio	<ul style="list-style-type: none"> Mismatched TV screen aspect ratio 	<ul style="list-style-type: none"> Choose the correct TV Type to suit your TV
Picture freeze or has block effects	<ul style="list-style-type: none"> Bad record signal 	<ul style="list-style-type: none"> Reposition the aerial for better reception
No response with remote control	<ul style="list-style-type: none"> Unit in standby mode Remote control not aimed at the unit correctly Remote sensor on the front of the unit is obstructed Out of battery 	<ul style="list-style-type: none"> Switch on the unit Aim remote control at the unit Check for obstructions in front of the unit Install new batteries. Ensure that the batteries are installed with the correct polarity (+ to +, - to -)
The unit switches off after 3 hours	<ul style="list-style-type: none"> Auto Standby is on 	<ul style="list-style-type: none"> Turn off the Auto Standby in the Configuration menu
Cannot view a channel	<ul style="list-style-type: none"> Wrong channel number used Channel locked 	<ul style="list-style-type: none"> Choose the channel from the channel list Enter the PIN.
No digital text or interactive services	<ul style="list-style-type: none"> Services not available on chosen channel 	<ul style="list-style-type: none"> Switch to a channel broadcasting interactive services
Can't record a channel	<ul style="list-style-type: none"> Insufficient hard disc space 	<ul style="list-style-type: none"> Delete some old files. Refer to the section Recording Setup for details.



Specifications

Model	L1HSTB12
General Characteristics	
Supply Voltage	220-240V AC ~50Hz
Input Frequency	470 Mhz - 862 Mhz
Frequency Band	UHF
Maximum Power Consumption	19.2 W
Standby Power Consumption	1 W
Operating Temperature	5°C to 40°C
Storage Temperature	-15°C to +55°C
Humidity	25 to 75 % rel
Physical Dimensions	360 x 280 x 48 mm
Weight	2.82 kg
Hardware Configuration	
Main Processor	BCM7230
Flash Memory	64 MB
DDRRAM	DDR3-256 MB / 512 MB (Optional)
Digital Capabilities	
Transmission Standards	MPEG2, MPEG4 HD DVB-T-2
Demodulation	
COFDM	with 2K/8K FFT mode
FEC	for all DVB Modes.(Automatically found)
Video	
All MPEG-2 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	
Audio	
MPEG Layer 1 and 2	
Sampling Frequencies Supported	32 kHz (Stereo), 44.1 kHz (Left Only) or 48 kHz (Right Only)
Wide Dynamic Range	16-bit resolution
Hard Disk	1TB

Features and specifications are subject to change without prior notice.

Safety Warnings

- Read all the instructions carefully before using the unit and keep them for future reference.
- Retain the manual. If you pass the unit onto a third party make sure to include this manual.
- Check that the voltage marked on the rating label matches your adapter voltage.

Damage

- Please inspect the unit for damage after unpacking.
- Do not continue to operate the unit if you are in any doubt about it working normally, or if it is damaged in any way - switch off, withdraw the mains adapter and consult your dealer.

Location of Unit

- The unit must be placed on a flat stable surface and should not be subjected to vibrations.
- Do not place the unit on sloped or unstable surfaces as the unit may fall off or tip over.
- The mains socket must be located near the unit and should be easily accessible.
- This unit is designed for indoor, domestic use only.

Temperature

- Avoid extreme degrees of temperature, either hot or cold. Place the unit well away from heat sources such as radiators or gas/electric fires.
- Avoid exposure to direct sunlight and other sources of heat.

Naked Flames

- Never place any type of candle or naked flame on the top of or near the unit.

Moisture

- To reduce the risk of fire, electric shock or product damage, do not expose this unit to rain, moisture, dripping or splashing. No objects filled with liquids, such as vases, should be placed on the unit.
- If you spill any liquid into the unit, it can cause serious damage. Switch it off at the mains immediately. Withdraw the mains adapter and consult your dealer.

Ventilation

- To prevent the risk of electric shock or fire hazard due to overheating, ensure that curtains and other materials do not obstruct the ventilation vents.
- Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.

Safety

- Always disconnect the unit from the mains supply before connecting/disconnecting other devices or moving the unit.
- Unplug the unit from the mains socket during a lightning storm.


Mains Adapter Cable

- Make sure the unit or unit stand is not resting on top of the mains cable, as the weight of the unit may damage the mains cable and create a safety hazard.
- If the mains cable is damaged it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid a hazard.

Interference

- Do not place the unit on or near appliances which may cause electromagnetic interference. If you do, it may adversely affect the operating performance of the unit, and cause a distorted picture or sound.

Standby

- The  button on the remote control does not switch off the unit completely. The unit will continue to draw electricity from the mains supply while in standby. In the interests of safety and to avoid unnecessary energy consumption, never leave the unit in standby while unattended for long periods of time, e.g. overnight, while on holiday or while out of the house. Switch it off and disconnect the mains adapter from the mains socket.

Batteries

- Batteries used in the remote control for this unit are easily swallowed by young children and this is dangerous.
- Keep loose batteries away from young children and make sure that the battery holder tray is secure in the remote control. Seek medical advice if you believe a cell has been swallowed.
- Please dispose of batteries correctly by following the guidance in this manual.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

Supervision

- Children should be supervised to ensure that they do not play with the unit and the remote control.
- Never let anyone especially children push anything into the holes, slots or any other openings in the case - this could result in a fatal electric shock.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the unit’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the manual accompanying the unit.

Service

- To reduce the risk of electric shock, do not remove screws. The unit does not contain any user-serviceable parts. Please leave all maintenance work to qualified personnel.
- Do not open any fixed covers as this may expose dangerous voltages.

Maintenance

- Ensure to unplug the unit from the mains socket before cleaning.
- Do not use any type of abrasive pad or abrasive cleaning solutions as these may damage the unit’s surface.
- Do not use liquids to clean the unit.
- The wall socket plug is used as a disconnect device, the disconnect device should be readily accessible.

get set for digital

How the digital switchover may affect you:

Television in the UK is going digital, bringing us all more choice and new services. Starting in late 2007 and ending in 2012, television services in the UK will go completely digital, TV region by TV region.

The map shows when your area will switchover to digital. When the TV switchover happens in your area, there are at least two occasions when you will need to re-tune your unit in order to continue receiving your existing TV channels, and also to pick up new ones.

Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover.

For re-tuning instructions for this unit please see page 47 of this instruction manual.

If you find you can't receive the extra digital channels, it may be because your area is not covered by Freeview yet or that you need an aerial upgrade.

Visit www.digitaluk.co.uk to check.

If you have any questions, please contact your equipment supplier or call Digital UK on 0845 6 50 50 or visit www.digitaluk.co.uk.

When does switchover happen?

*Copeland switches on October 17, 2007



Visit us at digitaluk.co.uk call us on 0845 6 50 50*



Visit Partmaster.co.uk today for the easiest way to buy electrical spares and accessories. With over 1 million spares and accessories available we can deliver direct to your door the very next day. Visit www.partmaster.co.uk or call 0844 800 3456 (UK customers only). Calls charged at National Rate.



This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of its life separately from your household waste. There are separate collection systems for recycling in the EU.

For more information, please contact the local authority or your retailer where you purchased the product.

Notes for battery disposal

The batteries used with this product contain chemicals that are harmful to the environment. To preserve our environment, dispose of used batteries according to your local laws or regulations. Do not dispose of batteries with normal household waste.

For more information, please contact the local authority or your retailer where you purchased the product.

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