

# LOGIK

## 160GB / 250GB Freeview TV Recorder

Instruction Manual  
L160STB11 / L250STB11





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**Thank you** for purchasing your new Logik Freeview TV Recorder.

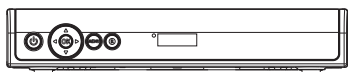
We recommend that you spend some time reading this instruction manual in order that you fully understand all the operational features it offers. You will also find some hints and tips to help you resolve any issues.

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.

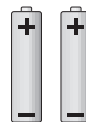
The following items are included:



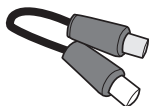
Main unit



Remote Control  
P.N.: 880-LH4711-TO



AAA Batteries X 2  
P.N.: 890-CZ4157-00



Loop Through Cable  
P.N.: 341-321012-70



Instruction Manual  
P.N.: 810-TB11LL-00



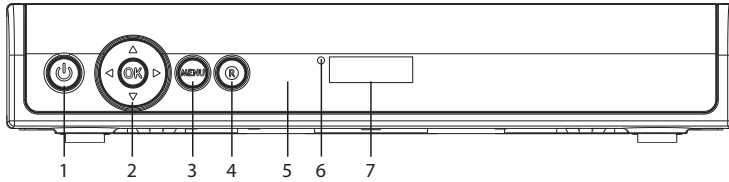
Quick Start Guide  
P.N.: 810-TB11LL-10



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

# Product Overview

## Front Panel

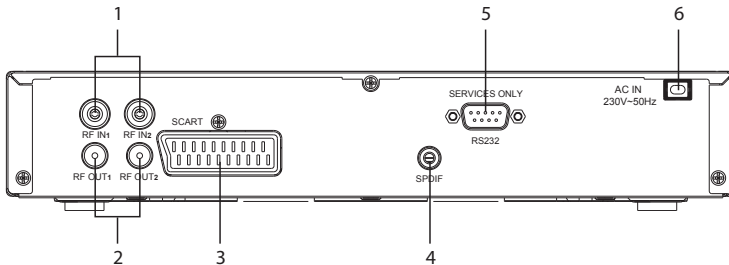


- 1. Power Button**
  - Switch the unit between on and standby mode.
  - Press and hold this button for three seconds to display the passive standby menu.
- 2. Left/Right Arrow Buttons**
  - To increase and decrease the volume.
  - Press to navigate left and right within the menu setup.
- ▲▼ Button**
  - To change channels.
  - To navigate up and down in the menu setup.
- OK Button**
  - To confirm selection in the OSD menu.
  - To display the TV channel list.
- 3. MENU Button**

To display the OSD menu.
- 4. Record Button**

To record the current programme.
- 5. Remote Control Sensor**
- 6. Power indicator**
  - Illuminates red in standby mode.
  - Illuminates green in on mode.
  - Flashes red when a programme is recording.
  - Alternatively flashes red and green when two programmes are being recorded at the same time.
  - Illuminates amber when Channel Zero is loading.
- 7. LED Display**
  - Displays the current time in standby mode.
  - Displays the current programme number after the unit is turned on.
  - "rECO" will be displayed when the currently viewing channel is being recording.

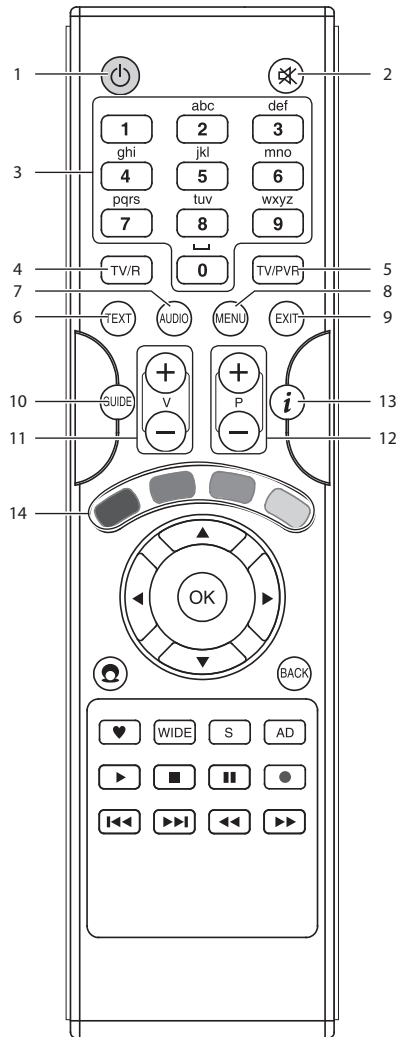
## Rear Panel



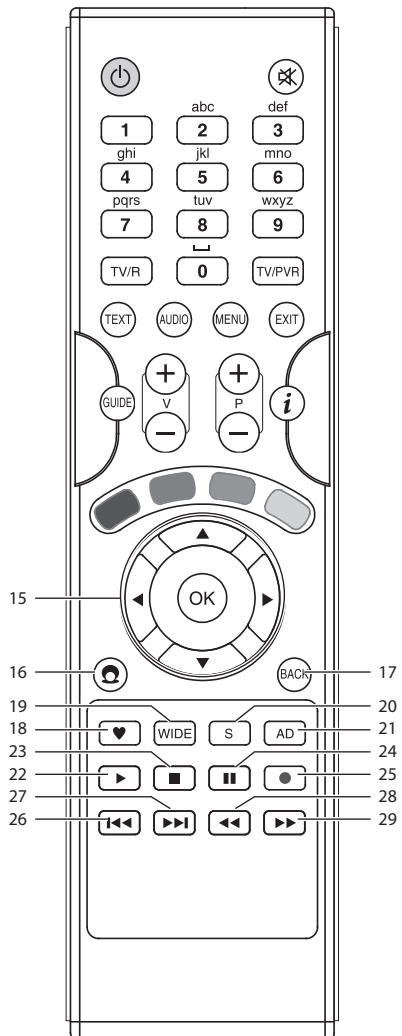
- 1. RF IN Socket**
- 2. RF OUT Socket**
- 3. SCART Socket**
- 4. SPDIF Socket**
- 5. RS232 Socket (For services only)**
- 6. AC IN**

# Remote Control

1. **⏻ Button**
  - Switch the unit between on and standby mode.
  - Press and hold this button for three seconds to display the passive standby menu.
2. **🔇 Button**  
To mute and restore the sound output.
3. **0-9 Buttons**
  - To select a programme.
  - To select the number item in a menu.
  - To select characters for renaming.
4. **TV/R Button**  
Switch between DTV mode and Radio mode.
5. **TV/PVR button**  
To display the Planner TV menu.
6. **TEXT Button**  
To turn the teletext function on / off.
7. **AUDIO Button**  
To display the Audio Channel menu.
8. **MENU Button**  
To display the Main menu.
9. **EXIT Button**  
To exit the menu and return to normal TV viewing.
10. **GUIDE Button**  
To display the TV Guide.
11. **V+ / - Button**  
To increase and decrease the volume.
12. **P+ / - Button**  
To select channels.
13. **i Button**  
To display the current channel's information such as the current time and channel name.
14. **Coloured Buttons**
  - For interactive functions.
  - To access the teletext item or select the group channel.



15. **◀▲▼▶ Buttons**  
To navigate in the OSD menu setup  
**OK Button**  
To confirm a selection in OSD menu/display TV channel list.
16. **📺 Channel Zero Button**  
To select the interactive services of the Channel Zero.
17. **BACK Button**  
To return to the previous menu.
18. **♥ Button**  
To display the favourite menu.
19. **WIDE Button**  
To switch aspect ratio.
20. **S Button**  
To select subtitles which are broadcast with the programme (if available).
21. **AD Button**  
To switch On/Off audio description (if available).
22. **▶ PLAY Button**
  - Press once to display the Planner TV.
  - Press twice to start playback in the Planner TV menu when you select the recorded programme.
23. **■ Button**  
To stop playback or recording.
24. **⏸ Button**
  - To pause playback.
  - To start timeshifting.
  - Press repeatedly to play frame by frame.
25. **● Button**  
To record the current programme.
26. **⏮ Button**  
To skip rewind three minutes during playback.
27. **⏭ Button**  
To skip forward three minutes during playback.
28. **⏪ Button**  
To speed up / slow rewind playback rapidly.
29. **⏩ Button**  
To speed up / slow forward playback rapidly.



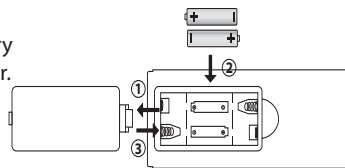


## Battery Replacement of the Remote Control

1. Remove the battery compartment cover.
2. Load 2 x AAA (UM-4 or R03) batteries into the battery compartment. Close the battery compartment cover.



Install the batteries correctly by following the polarity (+ and -) indications in the battery compartment.



## Handling the Batteries

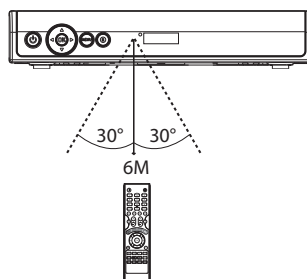
- Take care of your fingernails when you press and hold the battery release tab.
- Improper or incorrect use of batteries may cause corrosion or battery leakage, which could cause fire, personal injury or damage to property.
- Install the batteries correctly by following the polarity (+ and -) indications in the battery compartment.
- When the batteries are exhausted, the remote will not function. Replace both batteries at the same time with new ones.
- Use only the types of the batteries which are indicated in this manual.
- Do not install new batteries with used ones and do not mix different types of batteries.
- Do not dispose of the used batteries as domestic waste. Dispose of them in accordance with the local regulations.
- If you are not going to use the unit for a long time, remove the batteries to avoid change from battery leakage and corrosion.

## Handling the Remote Control

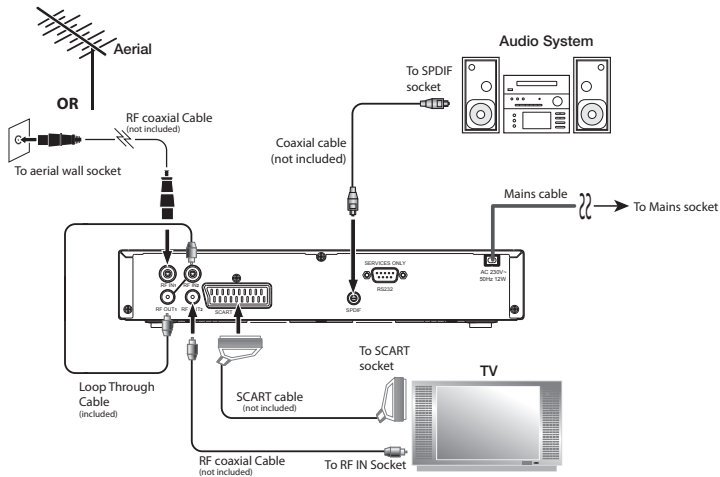
- Do not drop or cause impact to the remote control.
- Do not spill water or any liquid on the remote control.
- Do not place the remote control on a wet object.
- Do not place the remote control under direct sunlight or near sources of excessive heat.
- Remove the battery from the remote control when 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

Point the remote control unit within approx. 6 metres from 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. Make sure 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 RF IN1 socket on the rear panel of the unit .
3. Connect the female end of the loop through cable (included) to the RF OUT1 socket and the male end to the RF IN2 socket on the rear panel of the unit .
4. Connect one end of the SCART cable (not supplied) to the SCART socket on the rear panel of the unit and the other end to the SCART socket on your TV.
5. Connect another RF coaxial cable (not supplied) to the RF OUT2 socket on the rear panel of the unit and the other end to your TV.
6. If you want to connect to an audio system, connect one end of the coaxial cable (not supplied) to the SPDIF socket on the rear panel of the unit and the other end to the audio system.



Your SCART cable must be connected to your TV to watch digital TV from your unit.

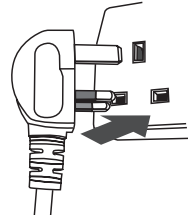
# Connecting to the Mains Socket

1. Plug in the mains plug into the mains socket after you have completed all the connections.



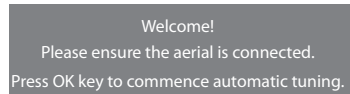
The unit will take awhile for loading.

2. The power indicator on the front panel will illuminate red and "Stby" will be displayed on the LED display.
3. Press the **⏻** button to switch the unit on, the power indicator will illuminate green.
4. Turn on your TV.

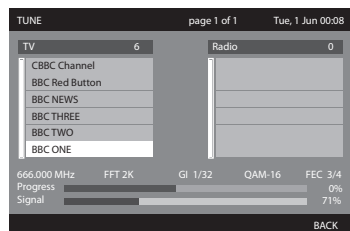
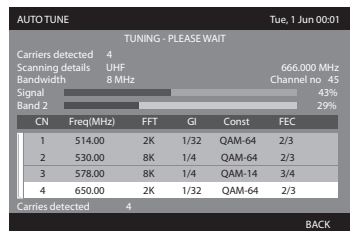


## First Time Installation

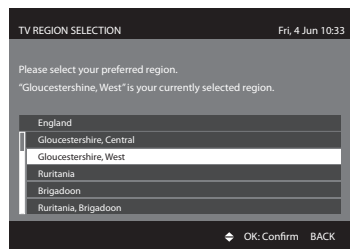
1. When your unit is switched on for the first time, a **Welcome Screen** will be displayed.
2. Press the **OK** button to begin the channel auto tuning.



3. 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. When the tuning is complete, your unit is ready to use. After tuning is complete, the channels are arranged in a preset order.





During tuning your unit may receive signals from more than one transmitter. If this happens when you install your unit, the TV Region Selection screen will appear. Please select your preferred region. Making this choice will ensure that you will receive the correct regional news programmes.






# Standby Modes

This unit contains 2 standby modes.



## Active Standby Mode

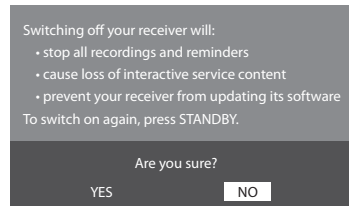
When the unit is in On mode, press the  button once, the unit will enter the active standby mode and the power indicator will illuminate red. To turn the unit on again, press the  button again. The power indicator will illuminate green and the TV Guide will first display on the screen. Press the **BACK** button on the remote control to exit TV Guide and return to normal TV programme viewing.



If you press the  button during recording, a pop-up confirmation screen will be displayed. Press the   buttons and then press the **OK** button to confirm your selection. The unit will then enter the active standby mode. If you have selected **"IGNORE"** or didn't make any decision, the unit will remain recording.



## Passive Standby Mode

When the unit is in On mode, press and hold the  button for three seconds. A pop-up confirmation screen will be displayed. Press the  button to select **"YES"** and then press the **OK** button to confirm. The unit will then enter the passive standby and the power indicator will illuminate red. In passive standby mode, less power will be dissipated. The clock will display on the LED display.



To turn the unit on again, first press the  button once, the unit will then enter the active standby mode and **"Stby"** will be displayed on the LED display. Press the  button again to turn the unit on, the power indicator will illuminate green and the TV Guide will display on the screen. Press the **BACK** button on the remote control to exit TV Guide and return to normal TV programme viewing.

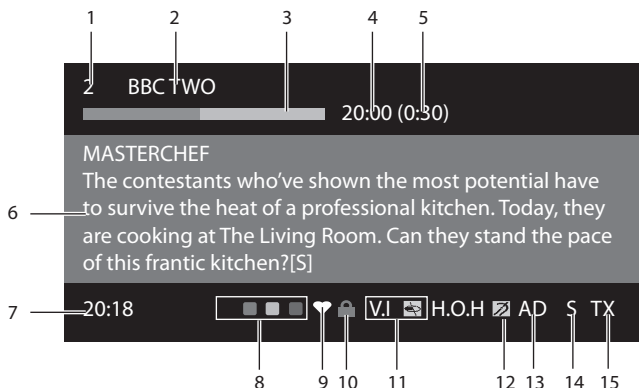


The TV Guide will always display on the screen everytime when you turn the unit on, this is to allow you to know about the updated information on the Channel Zero.

# Basic Features

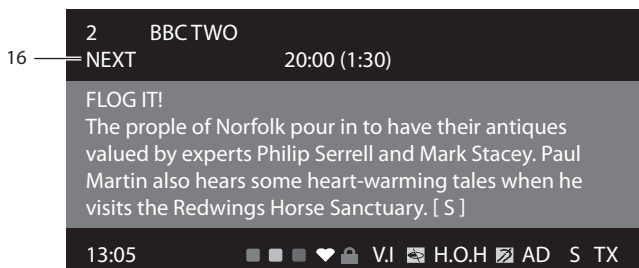
## Information Bar

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





- |  |  |
|--|--|
| 1. Channel number currently viewed     | 9. Channel has been selected as a favourite. |
| 2. Channel name currently viewed       | 10. Channel is locked.                       |
| 3. Programme progress bar              | 11. Visual impairment                        |
| 4. Programme start time                | 12. Hard of Hearing (H.O.H);                 |
| 5. Programme duration                  | 13. Audio Description                        |
| 6. Information of channel              | 14. Subtitles                                |
| 7. Current time                        | 15. MHEG-5 service (Teletext)                |
| 8. Channel belongs to a Channel Group. |  |

When the current programme information displayed you can press the **▶** button to display the next programme information.



16. Next programme

## Volume Adjustment

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



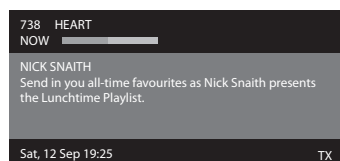
## Channel Selection

1. Press the **P+** / **-** buttons on the remote control repeatedly or the **0-9** buttons on the remote control to select the channel.
2. 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.



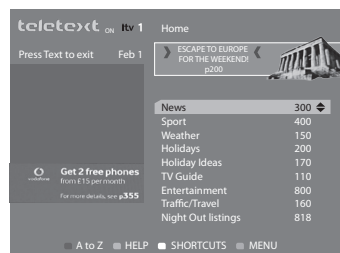
## TV/RADIO Selection

Press the **TV/R** button on the remote control to switch between TV and radio mode.



## Teletext Selection

1. Press the **TEXT** button on the remote control to enter Teletext. (If Teletext is transmitted)
2. Press the **TEXT** button again or press the **EXIT** button on the remote control to exit the Teletext (TV mode).



## Aspect Ratio

Press the **WIDE** button on the remote control to select the menu in 16:9, 4:3 pan scan or 4:3 letter box.



## Subtitles

Press the **S** button on the remote control to switch subtitles **ON** / **OFF**.



## Audio Description

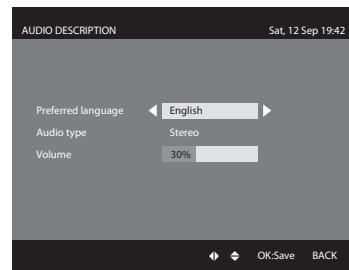
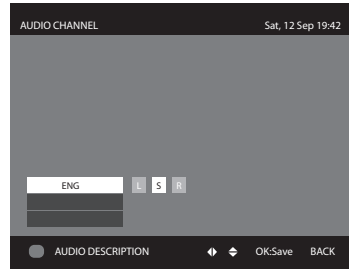
Press the **AD** button on the remote control to switch Audio Description **ON** / **OFF**.



## Audio Selection

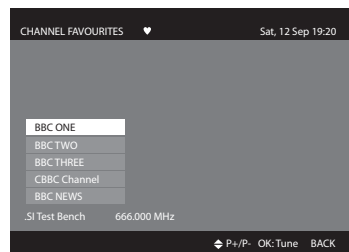
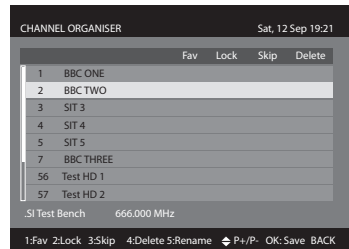
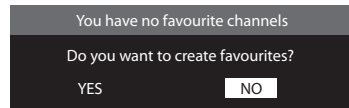
1. Press the **AUDIO** button on the remote control to display the **Audio Channel** menu.
2. Press the ◀▶ buttons to select L (Left), S (Stereo), R (Right).
3. Press the ▲▼ buttons to select the desired language (only applicable when the TV programme supports this feature).
4. Press the **RED** button on the remote control to enter **Audio Description** menu.
5. Press the ◀▲▶ buttons to adjust the settings.

<b>Preferred Language</b>	Press the ◀▶ buttons to select English / Irish / Gaelic and Welsh. (English is default in the menu.)
<b>Audio Type</b>	Press the ◀▶ buttons to select Stereo / Left and Right. (Stereo is default in the menu.)
<b>Volume</b>	Press the ◀▶ buttons to increase / decrease the AD soundtrack volume.



## Favourite List

1. Press the ♥ button on the remote control when you watching a live programme, a pop-up confirmation screen will be displayed. Press the ◀ button to select "YES" and then press the **OK** button to enter **Channel Organiser** menu.
2. Press the ▲▼ buttons to select your desired channel to be set as favourite. Press the **1** button on the remote control and then press the **OK** button to confirm.
3. Press the **EXIT** button on the remote control to exit the menu.
4. After the favourite channels have been created, press the ♥ button again to display the **Channel Favourites** menu. You can then press the ▲▼ buttons to select any favourite channel. Press the **OK** button to tune to your desired favourite channel.

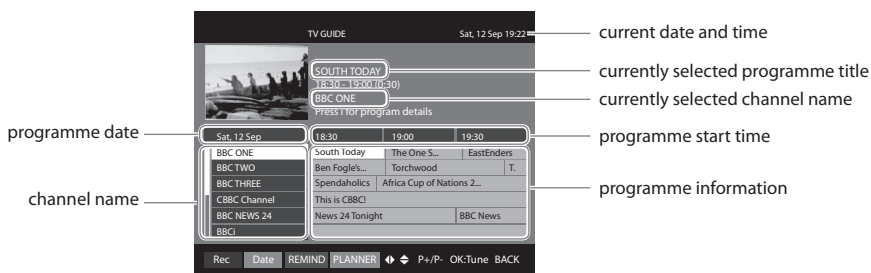


# TV Guide

This unit has a TV Guide to help you navigate through all the possible viewing options. The TV 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 TV Guide displays the programme details for the next 7 days.

## Switch On/Off TV Guide

- Press the **GUIDE** button on the remote control to switch on TV Guide.
- Press the **GUIDE** button again or press the **EXIT** or **BACK** button on the remote control to switch off TV Guide and return to normal TV viewing.



## Select a Programme

Press the **▲▼** buttons to select the desired channel and then press the **◀▶** buttons to select the desired programme. Press the **OK** button to confirm.

## Button Functions in a 7 Days Guide

Remote Control Button	Function
<b>▲ or ▼</b>	To select a channel
<b>◀ or ▶</b>	To select a channel programme
<b>P+ or P-</b>	To display previous or next page
<b>i</b>	To display the detail Information for the selected programme
<b>OK</b>	To confirm and view the selected channel
<b>RED (Rec)</b>	Press the <b>RED</b> button while on the selected programme, the selected programme will change to red colour. When the preset time is reached, the TV will start recording automatically. Press the <b>RED</b> button again to cancel the preset recording. (This is not applicable on the currently viewing channel.)
<b>GREEN (Date)</b>	Press the <b>GREEN</b> button to change the programme date and view the schedule of the next 7 days.
<b>YELLOW (Remind)</b>	Press the <b>YELLOW</b> button while on the selected programme, the selected programme will the change to yellow colour. The TV will automatically tune to the desired programme when it starts. (This is not applicable on the currently viewing channel.)
<b>BLUE (Planner)</b>	Press the <b>BLUE</b> button to display the Planner TV menu (Refer to <b>Planner TV</b> section for details).
<b>GUIDE / EXIT / BACK</b>	To exit TV Guide and return to normal TV viewing

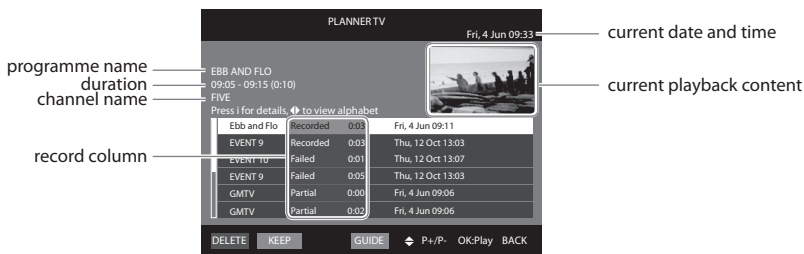


# Planner TV

This unit has a Planner TV to help you list out the status of all your recordings. You can see detailed information in the record column.

## Switch On/Off Planner TV

- Press the **BLUE** button on the TV Guide or directly press the **TV/PVR** button on the remote control to enter the **Planner TV** menu.
- Press the **EXIT** or **BACK** or **TV/PVR** button on the remote control to exit the menu.



## Record Column

Colour Code	Record Column	Description
Red Highlight	Programme name	Indicates the programme preset to be recorded.
	RECORDING	Indicates the programme is currently recording.
Green Highlight	RECORDED	Indicates the programme was completely recorded.
	PARTIAL	Indicates the programme was partially recorded.
	FAILED	Indicates the programme failed to be recorded due to power failure.

## Button Functions in Planner TV list

Remote Control Button	Function
▲ or ▼	To select a programme from the list.
◀ or ▶	To sort the programmes on the list by date order or by alphabetical order.
P+ or P-	To display previous or next page
i	To display the detail Information for the selected programme and the remaining HDD capacity.
OK	To start the playback of the selected programme (only for the recorded or currently recording programme)
RED (Delete)	Press the <b>RED</b> button while on the selected programme to delete the programme from the list, a pop-up confirmation screen will be displayed. Press the ◀ button to select "YES" and then press the OK button to delete; or press the ▶ button select "NO" and then press the OK button to cancel.
GREEN (Keep)	Press the <b>GREEN</b> button while on the selected programme to lock a programme, a lock icon will show next to the selected programme. Press the <b>GREEN</b> button again to cancel and the lock icon will disappear.
BLUE (Guide)	Press the <b>BLUE</b> button to display the TV Guide (Refer to <b>TV GUIDE</b> section for details)
EXIT / BACK	To exit Planner TV and return to normal TV viewing

# Recording

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



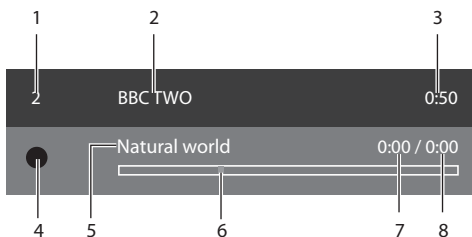
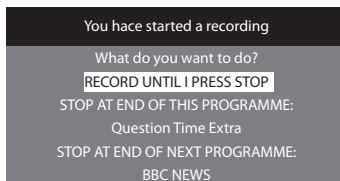
Make sure that the unit's built-in HDD has enough available memory space.

When you are single recording the power indicator will flash red on the front panel.

When you are dual recording the power indicator will flash alternatively in red and green on the front panel.

## Single Recording

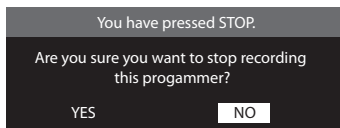
1. Press the **RECORD** button on the unit or press the **RECORD** button on the remote control while watching a live programme to start recording, the power indicator will flash red and "rECO" will be displayed on the LED display. A pop-up confirmation screen will then be displayed. Press the **UP** buttons and then press the **OK** button to confirm.
2. A recording progress bar will be displayed on the screen for a short while. You may press the **INFO** button to display the recording progress bar at any time during recording.



### Recording Progress Bar

1. Channel number currently recording
2. Channel name currently recording
3. Programme total time
4. Recording icon
5. Programme name currently recording
6. Programme status bar
7. Playback time
8. Total time recorded

3. During recording, if you press the **STOP** button on the remote control, a pop-up confirmation screen will be displayed. Press the **LEFT** button to select "YES" and then press the **OK** button to stop recording. The recorded programme will be saved into the HDD memory. Then the "successful stop the recording" message will be displayed for a short while; or press the **RIGHT** button to select "NO" and then press the **OK** button to cancel, recording will resume.



When the programme is recording, please do not unplug the unit from the mains socket as this will damage the unit's HDD.

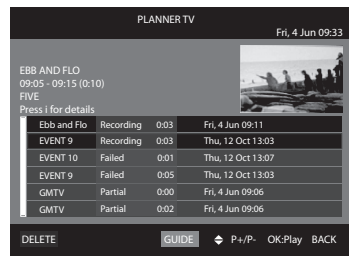
## Dual Recording

This unit can record two different channels simultaneously from either 1 multiplex or 2 different multiplex's. For more information on the channels available from different multiplex's, please visit the DTG website: [http://www.dtg.org.uk/industry/dtt\\_channels.html](http://www.dtg.org.uk/industry/dtt_channels.html).

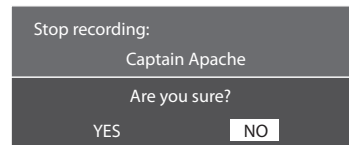
1. Press the **Ⓜ** button on the unit or press the **●** button on the remote control to record the currently viewing programme, the power indicator will flash red and "rECO" will be displayed on the LED display.
2. During recording, press the **P+/P-** buttons to change channel and then press the **Ⓜ** button on the unit or press the **●** button on the remote control to start another recording simultaneously. The power indicator will alternatively flash red and green. You can change to view another programme in the same multiplex as you are currently recording from.

## Stop Recording in Planner TV

1. If you want to stop the recording in the **Planner TV** menu, press the **TV/PVR** button on the remote control to enter the **Planner TV** (the recording programme will be highlighted in red). Press the **▲▼** buttons to select the programme and then press the **■** button on the remote control.



2. A pop-up confirmation screen will be displayed. Press the **◀** button to select "YES" and then press the **OK** button to stop recording; or press the **▶** button to select "NO" and then press the **OK** button to cancel, recording will resume.

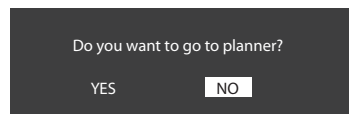


## Stop Recording in Channel List

1. If you want to stop the recording in the **Channel List** menu, press the **OK** button to display the **Channel List** (the recording programme will be highlighted in red). Press the **▲▼** buttons to select the channel and then press the **■** button on the remote control.



2. A pop-up confirmation screen will be displayed. Press the **◀** button to select "YES" and then press the **OK** button to enter the **Planner TV** (follow the previous section to stop recording in the Planner TV); or press the **▶** button to select "NO" and then press the **OK** button to cancel, recording will resume.



## Event Recording

This allows you to preset some programmes to be recorded in standby mode or on mode.

1. Press the **GUIDE** button on the remote control to switch on TV Guide. Press the ◀▶ buttons to select the desired programme you want to preset recording.



2. If the programme you selected is a series event which has a separate content ID (for example, a film consisting two parts), the **"RECORD"** box shown at the bottom of the TV Guide will change to **"SERIES"**.



3. Press the **YELLOW** button on the remote control to set the series event in the recording list.
4. The **Ⓢ** logo will be displayed at the end of the selected programme name.
5. The **"SERIES"** box shown at the bottom of the TV Guide will change to **"SINGLE"**.
6. Press the **RED** button on the remote control to unselect the event. All the selected programmes to be preset recording will change to red.
7. After you complete all the preset recording settings, press the **EXIT** button on the remote control to return to normal TV viewing.



## Time Shift Recording

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

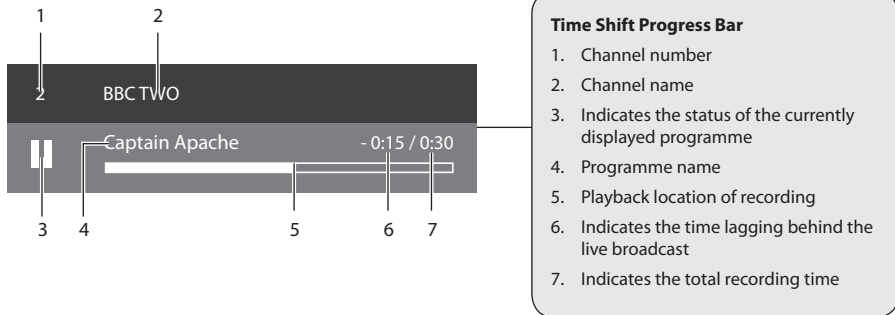


- Time shift and recording functions may not work if the signal strength is weak.
- Recording will stop automatically when the disk is full.
- During time shift, changing channels will cause time shift to terminate.

During normal TV viewing, you may press the **||** 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). “**||**” 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 **▶** button to play the missed broadcast programme. The time shift progress bar will display on the screen again.

The video and sound may have a little bit of delay or be out-of-sync for a few seconds when the unit starts to playback the missed broadcast programme. It will soon turn to normal.



Remote Control Button	Function
<b>  </b>	During playback, press the <b>  </b> button to display a still screen and then press the <b>▶</b> button again to resume playback.
<b>◀◀ or ▶▶</b>	When playing, <ul style="list-style-type: none"> <li>• Press the <b>◀◀</b> button repeatedly to speed up <b>◀◀</b> x 2 / x 4 / x 8 / x 16. / x32.</li> <li>• Press the <b>▶▶</b> button repeatedly to speed up <b>▶▶</b> x 2 / x 4 / x 8 / x 16 / x32.</li> <li>• During fast forward / fast backward state, press the <b>▶</b> button to return to normal playback.</li> </ul>
<b>◀◀◀ or ▶▶▶</b>	<ul style="list-style-type: none"> <li>• Press the <b>▶▶▶</b> button to jump about 3 minutes forward.</li> <li>• Press <b>◀◀◀</b> the button to jump about 3 minutes backward.</li> </ul>
<b>▶</b>	<ul style="list-style-type: none"> <li>• Press the <b>▶</b> button to resume playback from a still screen.</li> <li>• During fast forward / fast backward state, press the <b>▶</b> button to return to normal playback.</li> </ul>
<b>■</b>	If you want to exit the time shift and return to the current live broadcast, press the <b>■</b> button. A pop-up confirmation screen will be displayed. Press the <b>◀</b> button to select “ <b>YES</b> ” and then press the <b>OK</b> button to confirm..

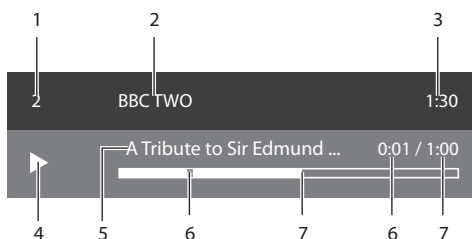
# Play Recorded Programme

You can play a recorded programme from the recorded programme list on the Planner TV.

1. Press the **TV/PVR** button on the remote control to enter the **Planner TV**.
2. Press the **▲▼** buttons to select your recorded programme and then press the **OK** or the **▶** button on the remote control.



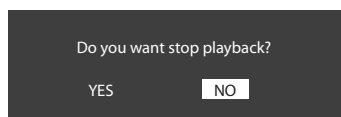
3. The playback progress bar will be displayed for a short while. Press the **i** button to display the playback progress bar again.



### Playback Progress Bar

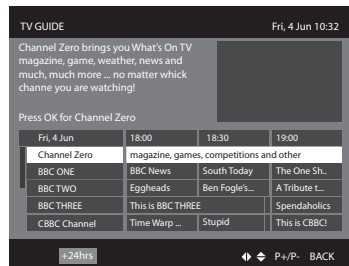
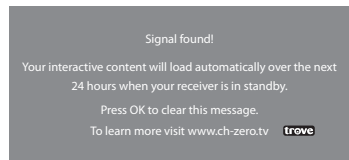
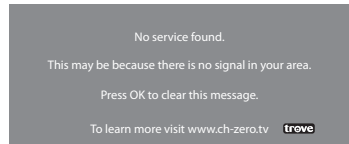
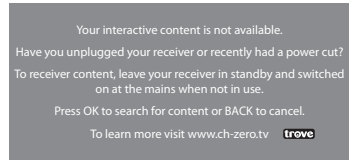
1. Channel number currently viewing
2. Channel name currently viewing
3. Programme total time
4. Indicates the status of the currently displayed programme
5. Programme name
6. Playback time
7. Total recorded time

4. Press the **■** button to stop the current playback. A pop-up confirmation screen will be displayed. Press the **◀** button to select **"YES"** and then press the **OK** button to stop playback and return to the **Planner TV**; or press the **▶** button to select **"NO"** and then press the **OK** button to cancel, playback will resume.



# Channel Zero

1. Channel Zero messages are used to provide the information to you like Channel Zero service availability or not, you can perform the Channel Zero scan to search for Channel Zero series.
2. Press the **0** button on the remote control if the progress bar does not appear and has not been downloaded in the past 30 days, a message is displayed to initiate Channel Zero discovery.
3. Press the **OK** button to search and a message will be displayed.
4. If Channel Zero is not supported in your district, a "No service found" message will be displayed.
5. If Channel Zero is supported in your district, a "Signal found" message will be displayed.
6. After the Channel Zero content is detected, the Channel Zero can be downloaded automatically in active standby mode and the process will take about several hours.
7. After the Channel Zero download is successful, you can find the Channel Zero information in the TV Guide menu in the Channel Zero listing.
8. Press the **0** or the **0** button on the remote control to display the Channel Zero main menu. Press the **0** button again to exit the Channel Zero main menu.





## Congratulations!

Your new Freeview box can receive Channel Zero, the new exciting interactive channel on Freeview.

## Tune into Channel Zero for:

- Great games from PlayJam
- Your local weather forecast
- TV picks & the latest soap news and gossip
- Great offers and exciting competitions
- The latest news headlines
- Selected travel deals

and much more...



## WIN £1000!

We hope you enjoy Channel Zero on your new Freeview box. We greatly appreciate your feedback: please visit our feedback group at [www.ch-zero.tv/feedback](http://www.ch-zero.tv/feedback) and be entered into our £1000 prize draw.





# Accessing Channel Zero couldn't be easier!



1 Press the ON/OFF button to put your box into standby to update your interactive services.



2 Select Channel Zero from the Programme Guide.



3 Press the dedicated Channel Zero button on your remote or hit zero at any time from watching TV.

## Important Information

Channel Zero is broadcast to your box with the Freeview channels. Visit [www.freeview.co.uk](http://www.freeview.co.uk) online to see which Freeview channels you can receive in your area.

When you first switch your digital box on, follow the on-screen instructions to tune to all your Freeview TV and radio channels. Channel Zero will then be downloaded to the box over a few hours when your box is put into standby.

Your Channel Zero interactive content is stored in your box's memory and is updated when it is in standby. **TURNING YOUR BOX OFF AT THE MAINS WILL CAUSE YOUR INTERACTIVE CONTENT TO BE LOST.** If your box does lose power your Channel Zero services will be re-loaded when you leave your box in standby.

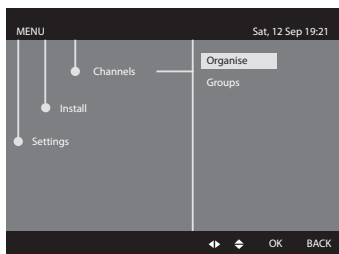
The indicator on your box will change from RED to AMBER when Channel Zero is fully loaded.

If you experience any problems receiving Channel Zero, please refer to the enclosed User Guide or visit [www.ch-zero.tv](http://www.ch-zero.tv) for help with frequently asked questions.

# Channels Menu

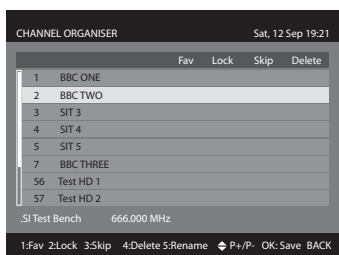
## Organise

1. Press the **MENU** button and then press the **▲▼** buttons to select **Channels**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Organise** and then press the **OK** button to confirm. The **Channel Organiser** menu will be displayed.



3. Press the **▲▼** buttons to select the channel and then press the **1 - 5** button on the remote control to select or unselect the below options.

<b>Fav</b>	Press the <b>1</b> button and press the <b>OK</b> button to confirm.
<b>Lock</b>	Press the <b>2</b> button and press the <b>OK</b> button to confirm.
<b>Skip</b>	Press the <b>3</b> button and press the <b>OK</b> button to confirm.
<b>Delete</b>	Press the <b>4</b> button and press the <b>OK</b> button to confirm.
<b>Rename</b>	Press the <b>5</b> button. A pop-up confirmation screen will be displayed. Press the <b>◀</b> button to select "YES" and then press the <b>OK</b> button to confirm. The rename channel menu will be displayed. Press the <b>0-9</b> buttons to rename the channel name and then press the <b>OK</b> button to confirm.

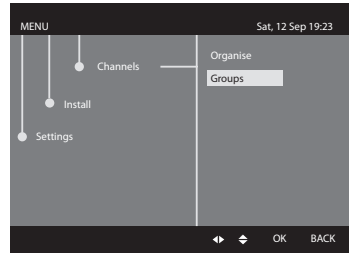


When a channel is locked, a valid password must be entered. The default password is "0000". If you change the password, be sure to remember the new password! If you forget the new password, press the master password "2222".

4. Press the **BACK** button on the remote control to return to the previous menu.
5. Press the **EXIT** button on the remote control to exit the menu.

## Groups

1. Press the **MENU** button and then press the **▲▼** buttons to select **Channels**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Groups** and then press the **OK** button to confirm. The **Group Channels** menu will be displayed.



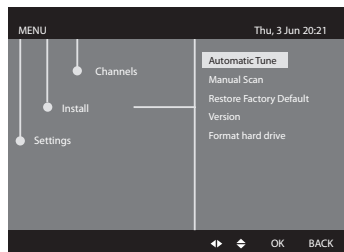
3. Press the **▲▼** buttons to select the channels and then press the **Coloured** buttons on the remote control to group the channels. The group colour will be displayed on the left side and the channels are displayed on the right side.
4. Press the **◀** button to edit the group name on the left side and then press the **▲▼** buttons to select a colour for the group to be renamed. Press the **0** button on the remote control, the rename group menu will be displayed. Press **0 - 9** buttons on the remote control to name the group. Press the **OK** button to confirm.
5. Press the **BACK** button on the remote control to return to the previous menu.
6. Press the **EXIT** button on the remote control to exit the menu.



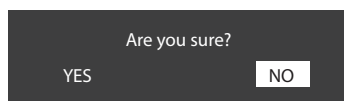
# Install Menu

## Automatic Tune

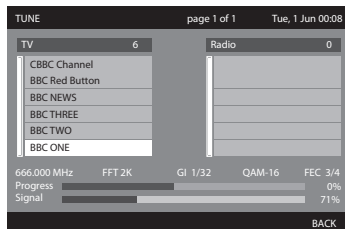
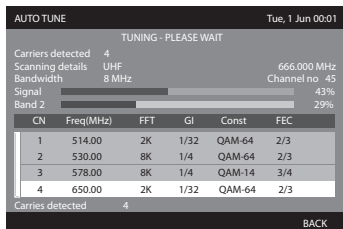
1. Press the **MENU** button and then press the **▲▼** buttons to select **Install**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Automatic Tune** and then press the **OK** button to confirm.



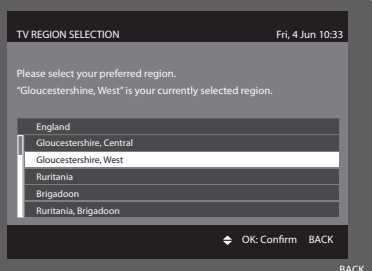
3. A pop-up confirmation screen will be displayed. Press the **◀** button to select **"YES"** and then press the **OK** button to start automatic tune.



4. The scanning progress screen will be displayed, showing you how many channels have been found and saved. The tuning may take a short while to complete. When the scanning is complete, your unit is ready to use. After scanning is complete, the channels are arranged in a preset order.

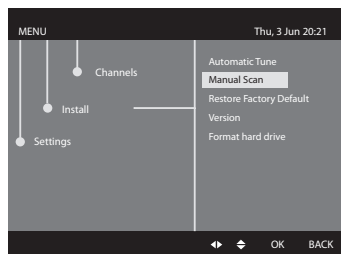


During tuning your unit may receive signals from more than one transmitter. If this happens when you install your unit, the TV Region Selection screen will appear. Please select your preferred region. Making this choice will ensure that you will receive the correct regional news programmes.



## Manual Scan

1. Press the **MENU** button and then press the **▲▼** buttons to select **Install**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Manual Scan** and then press the **OK** button to confirm.



3. Press the **▲▼** buttons to choose the **Channel No.** or **Freq(MHz)** and then press the **OK** button to start manual scan.

<b>Channel No.</b>	Press the <b>◀▶</b> buttons to select the channel number and then press the <b>OK</b> button to start the manual scan.
<b>Frequency</b>	Press the <b>0-9</b> button to input the desired frequency and then press the <b>OK</b> button to start the manual scan.



4. When the channel is tuned, it will display on the screen. If no channel is found, the system will return to the manual scan menu in a short while and then change to a previously tuned channel if you have one.

## Restore Factory Default

1. Press the **MENU** button and then press the **▲▼** buttons to select **Install**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Restore Factory Default** and then press the **OK** button to confirm.
3. A pop-up confirmation screen will be displayed. Press the **◀** button to select **"YES"** and then press the **OK** button to restore to factory default.
4. A valid password must be entered if you select **"YES"**. A pop-up password screen will be displayed. Press the **0-9** buttons to input the 4-digit password and then press the **OK** button to confirm.

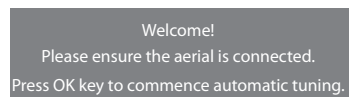
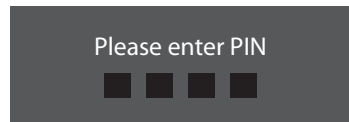
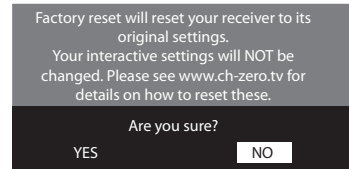
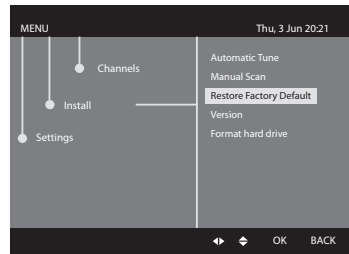


The default password is "0000". If you change the password, be sure to remember the new password! If you forget the new password, press the master password "2222".

5. The **Welcome Screen** will be displayed. Press the **OK** button to begin the channel auto tuning.

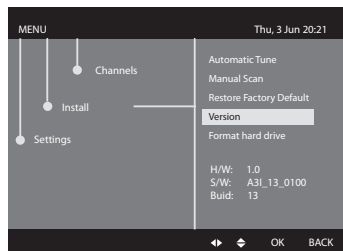


Restoring to factory default is not available during recording. "Other function is running, operation not allowed" will be displayed on the screen.



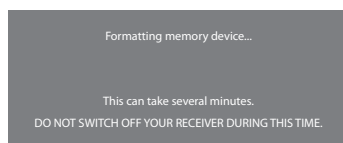
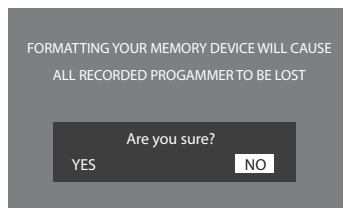
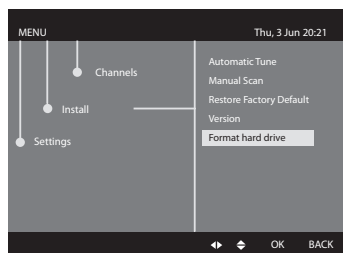
## Version

1. Press the **MENU** button and then press the **▲▼** buttons to select **Install**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Version** and then press the **OK** button to confirm. The version information will be displayed.
3. Press the **EXIT** button on the remote control to exit the menu.



## Format Hard Drive

1. Press the **MENU** button and then press the **▲▼** buttons to select **Install**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Format Hard Drive** and then press the **OK** button to confirm.
3. A pop-up confirmation screen will be displayed. Press the **◀** button to select **“YES”** and then press the **OK** button to confirm formatting the memory device; or press the **▶** button to select **“NO”** and then press the **OK** button to cancel and return to normal TV viewing.
4. It will take some time to format the HDD depending on the HDD capacity.

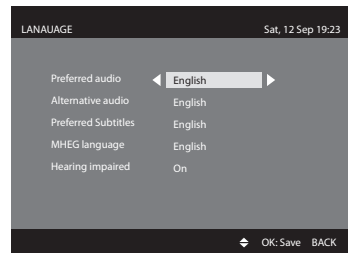
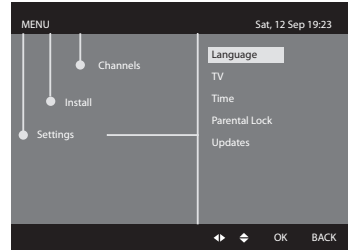


All recorded programmes will be deleted during HDD formatting.

# Settings Menu

## Language

1. Press the **MENU** button and then press the **▲▼** buttons to select **Settings**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Language** and then press the **OK** button to confirm.
3. In the **Language** menu, press the **▲▼** buttons to choose the options and then press the **◀▶** buttons to adjust the settings.



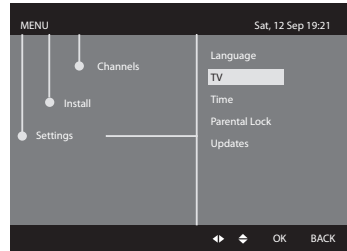
<b>Preferred Audio</b>	Allows you to select your desired primary audio language. (Available for digital channels if multiple audio languages are broadcast.)
<b>Alternative Audio</b>	Allows you to select your desired secondary audio language. (Available for digital channels if multiple audio languages are broadcast.)
<b>Preferred Subtitles</b>	Allows you to select your desired subtitle language. (Available for digital channels if multiple subtitle languages are broadcast.)
<b>MHEG Language</b>	Allows you to select your desired interactive language. (Available for digital channels if multiple interactive languages are broadcast.)
<b>Hearing Impaired</b>	Allows you to show more information in subtitles for the hearing-impaired in some programmes (for digital channels only if available).

4. Press the **OK** or **BACK** button on the remote control to confirm and return to the previous menu.
5. Press the **EXIT** button on the remote control to exit the menu.

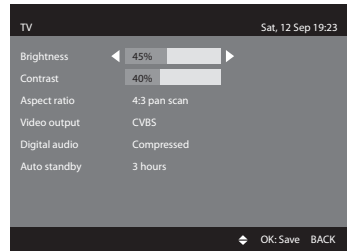


# TV

1. Press the **MENU** button and then press the **▲▼** buttons to select **Settings**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **TV** and then press the **OK** button to confirm.



3. In the **TV** menu, press the **▲▼** buttons to choose the options and then press the **◀▶** buttons to adjust the settings.

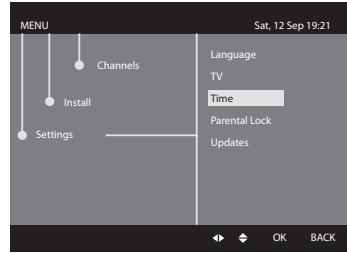


<b>Brightness</b>	Allows you to increase or decrease the amount of white in the picture.	
<b>Contrast</b>	Allows you to adjust the difference between light and dark levels in the picture.	
<b>Aspect Ratio</b>	Allows you to select 4:3 Panscan / 4:3 Letterbox / 16:9.	
	4:3 Pan Scan	Widescreen picture shown in the full screen with some part cut.
	4:3 Letter box	Widescreen picture shown in the full screen with black bars on the top and bottom of the screen.
	16:9	Widescreen picture shown in the full screen.
<b>Video Output</b>	Allows you to select from CVBS / RGB from the SCART socket.	
<b>Digital Audio</b>	Allows you to select from Off / Compressed / PCM	
<b>Auto Standby</b>	Allows you to select from 3 hours / 5 hours / 8 hours / Off. The unit will automatically switch to standby mode 3 hours (default) after the last time the remote control was used. A reminder screen will pop up for 2 minutes and count down before the unit switches to standby mode. If you want to operate the unit for a long period of time, set the auto standby function to Off. To save energy you should always turn the auto standby function back to "3 hours".	
	<div style="background-color: black; color: white; padding: 5px; text-align: center;">           Your receiver will automatically switch to standby in 2:00            Press any key to continue viewing         </div>	

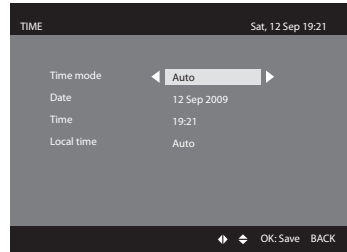
4. Press the **OK** or **BACK** button on the remote control to confirm and return to the previous menu.
5. Press the **EXIT** button on the remote control to exit the menu.

# Time

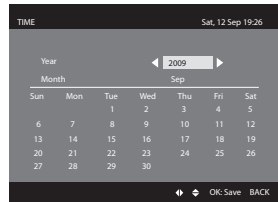
1. Press the **MENU** button and then press the **▲▼** buttons to select **Settings**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Time** and then press the **OK** button to confirm.



3. In the **TIME** menu, press the **▲▼** buttons to select the item you want and then press the **◀▶** buttons to adjust the setting. Press the **OK** button to confirm.



<b>Time Mode</b>	Allows you to select time mode from Auto / Manual.	
	<b>Auto</b>	Set the Time Mode to " <b>Auto</b> ", the clock is set automatically when receiving a digital signal.
	<b>Manual</b>	You can change the date and time in this mode.
	Date	Set the Time Mode to " <b>Manual</b> " and then press the <b>▲▼</b> buttons to <b>Date</b> . Press the <b>◀▶</b> buttons to enter the calendar menu. Press the <b>▲▼</b> buttons to select the Year / Month / Date. Press the <b>◀▶</b> buttons to change the Year / Month / Date. Press the <b>OK</b> button to confirm.
Time	Set the Time Mode to " <b>Manual</b> " and then press the <b>▲▼</b> buttons to <b>Time</b> . Press the <b>0-9</b> buttons to input the time and then press the <b>OK</b> button to confirm. Time should be entered in the 24 hours format.	
<b>Local Time</b>	Allows you to select the time zone (Auto is set as default).	



4. Press the **BACK** button on the remote control to return to the previous menu.
5. Press the **EXIT** button on the remote control to exit the menu.

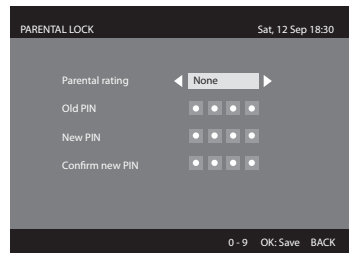
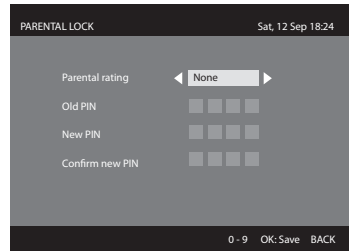
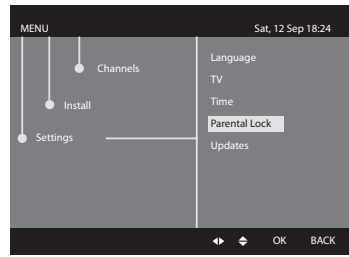
## Parental Lock

1. Press the **MENU** button and then press the **▲▼** buttons to select **Settings**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Parental Lock** and then press the **OK** button to confirm.
3. In the **Parental Lock** menu, press the **◀▶** buttons to select different **Parental Rating** from none, 4, 5, 6, ...16, 17, 18.
4. Press the **▼** button to select **Old PIN**, use the **0-9** buttons on the remote control to input the old password and then input the new 4-digit password to replace then re-enter new password to confirm.



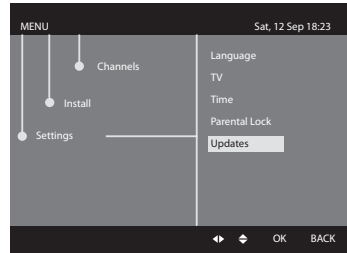
The default password is "0000". If you change the password, be sure to remember the new password! If you forget the new password, press the master password "2222".

5. Press the **BACK** button on the remote control to return to the previous menu.
6. Press the **EXIT** button on the remote control to exit the menu.

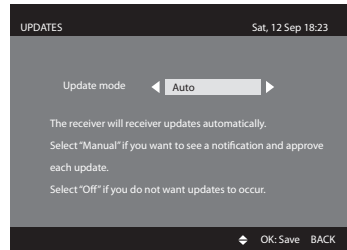


# Updates

1. Press the **MENU** button and then press the **▲▼** buttons to select **Settings**. Press the **▶** button or the **OK** button to confirm.
2. Press the **▲▼** buttons to select **Updates** and then press the **OK** button to confirm.



3. In the **Updates** menu, press the **◀▶** buttons to select Update modes from Auto / Manual / Off.




<b>Auto</b>	<p>The unit will automatically detect and download the updated software to the unit.</p> <p>A pop-up confirmation screen will be displayed. Press the <b>◀</b> button select <b>“YES”</b> and then press the <b>OK</b> button to start the update.</p> <p>The update will take a short while, please wait.</p>	
<b>Manual</b>	The unit will notify you of updates. You can choose to accept or reject them.	
<b>Off</b>	All updates will be ignored.	

4. Press the **BACK** button on the remote control to return to the previous menu.
5. Press the **EXIT** button on the remote control to exit the menu.

## Hints and Tips

In some regions, the digital terrestrial signal may be weak. Please ensure that your antenna is suitable for your location.

Problem	Possible cause	What to do
No signal found	<ul style="list-style-type: none"> <li>• Aerial is disconnected.</li> <li>• Aerial is damaged/ misaligned.</li> <li>• Out of a digital signal area.</li> </ul>	<ul style="list-style-type: none"> <li>• Check aerial connection.</li> <li>• Check aerial.</li> <li>• Check with dealer.</li> </ul>
No picture or sound	The unit is in Standby mode.	Turn on the unit by pressing the  button of the remote control.
Encrypted programme message	Channel is encrypted.	Select alternative channel.
No response from remote control	<ul style="list-style-type: none"> <li>• The unit is off.</li> <li>• Remote control is not being aimed at the unit correctly.</li> <li>• Front panel is obstructed.</li> <li>• Batteries are exhausted.</li> </ul>	<ul style="list-style-type: none"> <li>• Plug in and turn on.</li> <li>• Aim remote control at front panel.</li> <li>• Check for obstructions.</li> <li>• Check and replace the batteries in the remote control.</li> </ul>
Forgotten channel lock code		Delete locked channel and scan channels again.
Forgotten menu lock password		Master password : 2222
After moving the unit to another room you find you are no longer able to receive digital reception.	The aerial feed to the new aerial point may come through a distribution system which may reduce the digital signal now being received by the unit.	Try a direct feed from the antenna.

## Specification

Model	L160STB11	L250STB11
HDD	160 GB	250 GB
Tuner and Channel	RF input connector (IEC-TYPE, IEC 169-2, female)	
	RF output connector (IEC-TYPE, IEC169-2, male)	
	Frequency range : 470MHz ~ 862 MHz (UHF)	
<b>Decoder</b>		
<b>Transport Stream Profile Level</b>	MPEG-2 ISO/IEC13818-1 MPEG-2 Main Profile @Main Level	
<b>Input Rate</b>	Max. 15Mbit/s	
<b>Video Formats</b>	4:3/16:9 Switchable	
<b>Audio Format</b>	MPEG Layer I & II, 32/44.1/48KHz	
<b>Video Output</b>	RGB, CVBS	
<b>Connection</b>		
<b>Main Power Cable</b>	Fixed type	
<b>Tuner</b>	Antenna input	
<b>Video</b>	Single scart	
<b>Audio</b>	Stereo audio output, digital coaxial audio output	
<b>Data Port</b>	RS-232 ( for service use only )	
<b>Power Supply</b>		
<b>Input Voltage</b>	AC 230V~50Hz	
<b>Power Consumption</b>	MAX. 16W/standby <2W	

Features and specifications are subject to change without prior notice.

# Safety Warnings

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- 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 mains 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 plug 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 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 plug 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.


## **Mains 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 sound.

## **Standby**

- The  button 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 plug 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.

## 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.

## 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 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.



# 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 28-30 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](http://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](http://www.digitaluk.co.uk).

## When does switchover happen?

\*Copeland switches on October 17, 2007



Visit us at [digitaluk.co.uk](http://digitaluk.co.uk) call us on 0845 6 50 50\*

NOTE: If you require a replacement for any of the items listed below, please quote their corresponding part numbers:

Replacement Part	Part Number
Remote Control	880-LH4711-TO
AAA Battery X 2	890-CZ4157-00
Loop Through Cable	341-321012-70



Visit [Partmaster.co.uk](http://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](http://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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Herts • HP2 7TG • England

(P.N.: 810-TB11LL-00)

the 1990s, the number of people with diabetes has increased in all industrialized countries. In the Netherlands, the prevalence of diabetes is estimated to be 6.5% in 2000, which corresponds to 1.5 million people (1).

Diabetes is a chronic disease with a high prevalence and a high mortality. The most common complications of diabetes are cardiovascular disease, nephropathy, retinopathy, and neuropathy. The prevalence of these complications is high, and the mortality is high. In the Netherlands, the mortality of diabetes is estimated to be 10% in 2000, which corresponds to 150,000 people (1).

The prevalence of diabetes is increasing in all industrialized countries. In the Netherlands, the prevalence of diabetes is estimated to be 6.5% in 2000, which corresponds to 1.5 million people (1). The mortality of diabetes is also increasing in all industrialized countries. In the Netherlands, the mortality of diabetes is estimated to be 10% in 2000, which corresponds to 150,000 people (1).

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