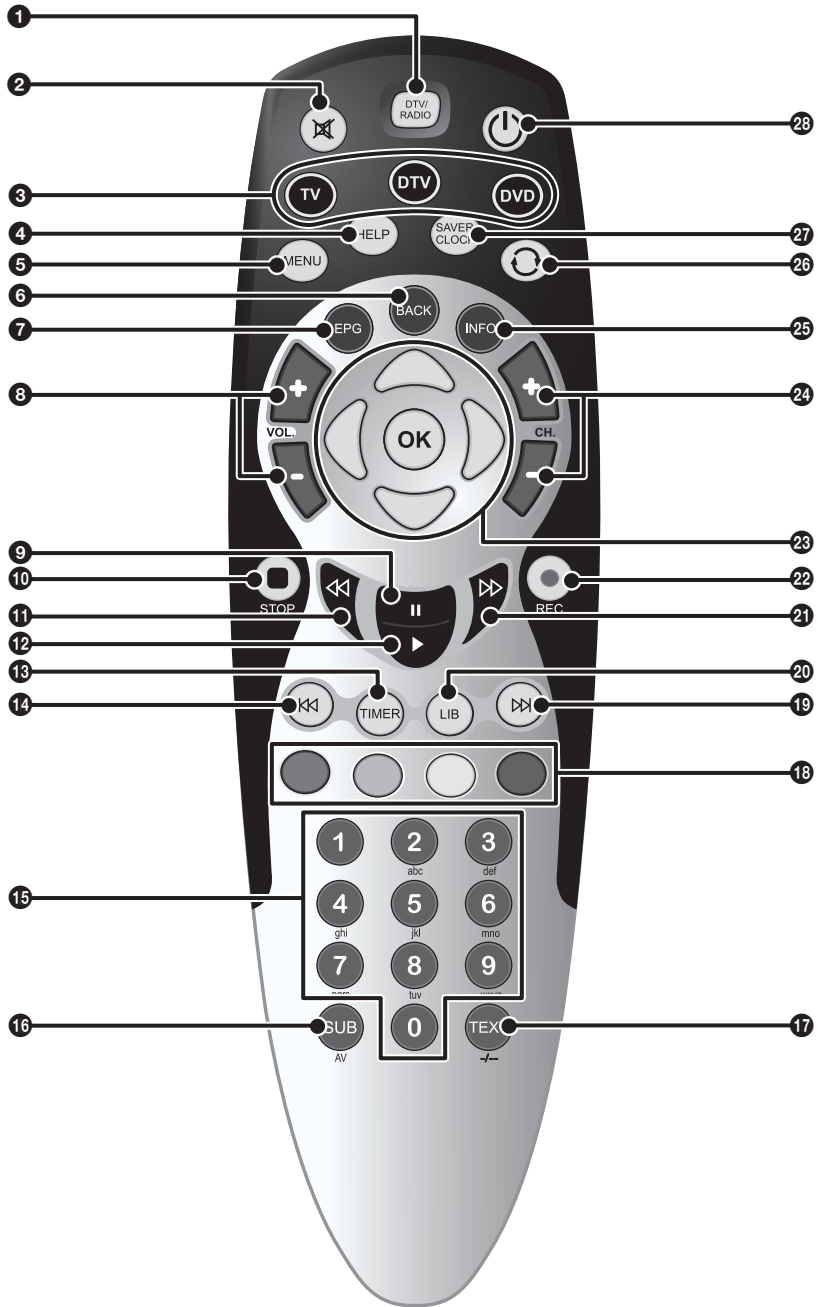










Digital TV Recorder

Instruction Manual



Overview of the Remote Control



- 1 **DTV/RADIO** - Switches between Digital TV channels and Digital Radio channels.
- 2  - Turns the TV's sound on/off*.
- 3 **MODE buttons** - Sets the remote control to operate the Digital TV Recorder, a TV or DVD*.
- 4 **HELP** - Displays/exits the Help pages.
- 5 **MENU** - Displays/exits the menu.
- 6 **BACK** - Returns to the previous level in the menu. Exits EPG, Info and Menu (first level).
- 7 **EPG** - Switches the Electronic Programme Guide (EPG) on/off.
- 8 **VOL. +/-** - Adjusts the TV's volume*.
- 9 **II** - Pauses live TV and recordings.
- 10 **■ STOP** - Stops playback when viewing recordings.
- 11  - Rewinds live TV and recordings. Press repeatedly to increase the rewind speed.
- 12  - Plays recording and resumes paused live TV and recordings.
- 13 **TIMER** - Displays the Timers screen.
- 14  - Skips to the start when viewing a recording. Skips to the start of the pause buffer when watching live TV.
- 15 **0-9** - Selects channels, enter PIN, use Help pages.
- 16 **SUB/AV** - Displays subtitles (if available). In TV mode, changes the Video Input on the TV*.
- 17 **TEXT/--/--** - Displays digital text (if available). In TV mode, selects double digit channel numbers*.
- 18 **Coloured buttons** - Selects options in digital text/EPG/Channel List/menu.
- 19  - Skips to the end when viewing a recording.
- 20 **LIB** - Displays the Library of recorded programmes.
- 21  - Fast forwards recordings. Press repeatedly to increase the fast forward speed. When pausing live TV or recordings, press to watch in slow motion.
- 22 **● REC** - Records live TV. Sets highlighted programmes to timer record in the EPG.
- 23 **OK/UP/DOWN/LEFT/RIGHT** - Displays the Channel List/ confirms a selection (OK button). Navigate the EPG/menu/Channel List/Info menu (UP/DOWN/LEFT/RIGHT buttons).
- 24 **CH. +/-** - Selects the next/previous channel.
- 25 **INFO** - Displays programme and recording information
- 26  - Returns to the previous channel watched. Switches between 4 and 24 hours advance in EPG
- 27 **SAVER/CLOCK** - Displays the Clock for 4 seconds. With the Clock displayed, press again to display the Screen Saver.
- 28  - Switches the Digital TV Recorder, TV* or DVD* on/into standby.

*Once the remote control has been programmed to operate your equipment. Refer to page 28.

Introduction

Thank you for choosing this TVonics Digital TV Recorder.

This Digital TV Recorder will revolutionise the way you watch TV, allowing you to watch what you want, when you want.

- Access all available free-to-air Digital TV and Radio channel with no monthly subscription.
- Pause live TV.
- Rewind live TV.
- Record Digital TV onto the built in hard disk - no need for tapes.
- Watch a programme from the start while it's still recording.
- Record one channel while watching another.
- Plan your viewing with the 8 day Electronic Programme Guide (EPG).
- Manage your recordings with the Library.

Record the model name and serial number in the space provided below (the model name and serial number can be found on both the rear of the product and the rear of the box). Refer to these numbers whenever you call your dealer regarding this product.

Model Name: _____ **Serial Number:** _____

Important Safety Information

Before using the Digital TV Recorder, please take a minute to read the following important safety information.

• Only use the supplied AC adaptor.	• Do not place any objects on the unit.
• Place the unit on a stable surface.	• Do not place any magnetic objects (including speakers) on or near the unit.
• Never attempt to mount the unit vertically without the supplied stand.	• Leave a space of at least 10cm around the unit to allow for adequate ventilation.
• Do not allow the unit to get wet.	• Do not obstruct the fan on the rear of the unit.
• Do not expose the unit to rain or moisture.	• To clean the unit, use a lightly dampened, soft cloth. Do not use any kind of abrasive cloth, sponge or cleaner.
• Do not expose the unit to shocks or vibrations as this could cause disk failure.	• Do not attempt to open the unit. Refer all servicing to qualified service personnel.
• Do not use the unit in hot, humid or excessively dusty places.	• To help prevent Screen burn on Plasma and LCD screens, use the Screen Saver feature whenever possible.

Environmental Information



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.

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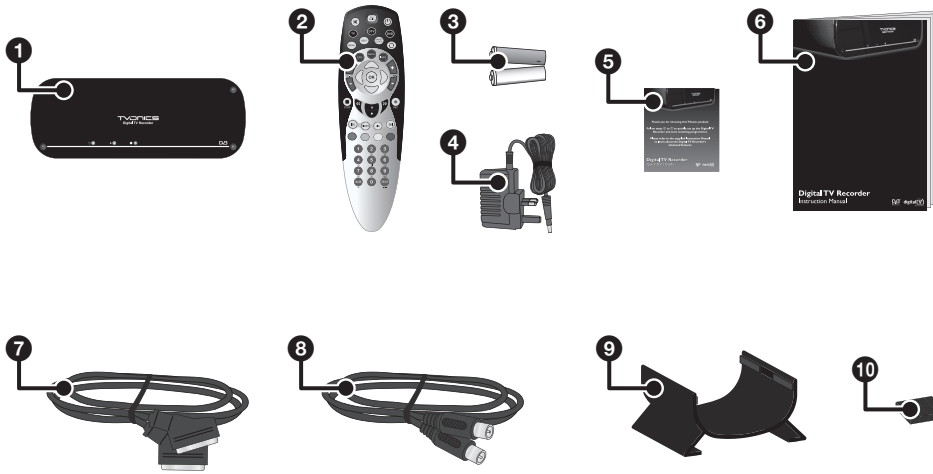
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Package Contents



- 1 Digital TV Recorder
- 3 2xAA Batteries
- 5 Quick Start Guide
- 7 SCART Lead
- 9 Stand

- 2 Remote Control
- 4 Power Supply
- 6 Instruction Manual
- 8 RF Lead
- 10 4xRubber Feet

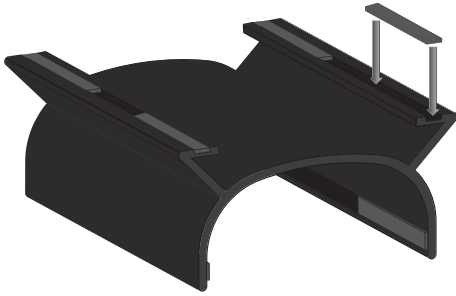
Inserting the Batteries into the Remote Control



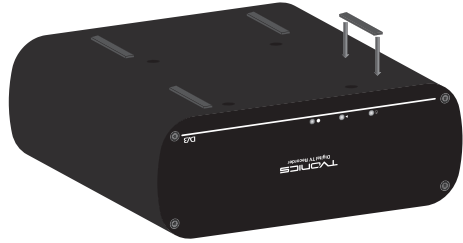
Attaching the Supplied Feet

Follow the instructions below to attach the supplied feet, according to which way you wish to install the Digital TV Recorder:

**Using the stand
(installing vertically):**

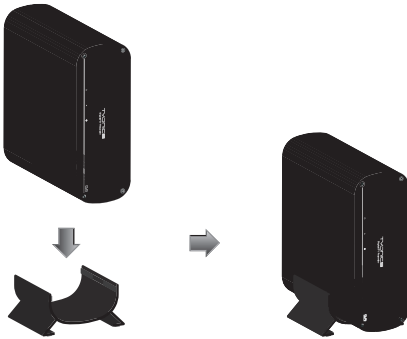


**Not using the stand
(installing horizontally):**



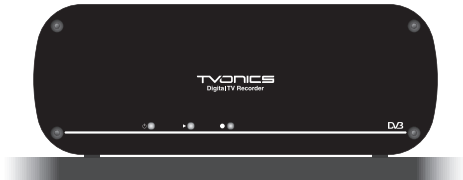
Safe Installation

**Using the stand
(installing vertically):**



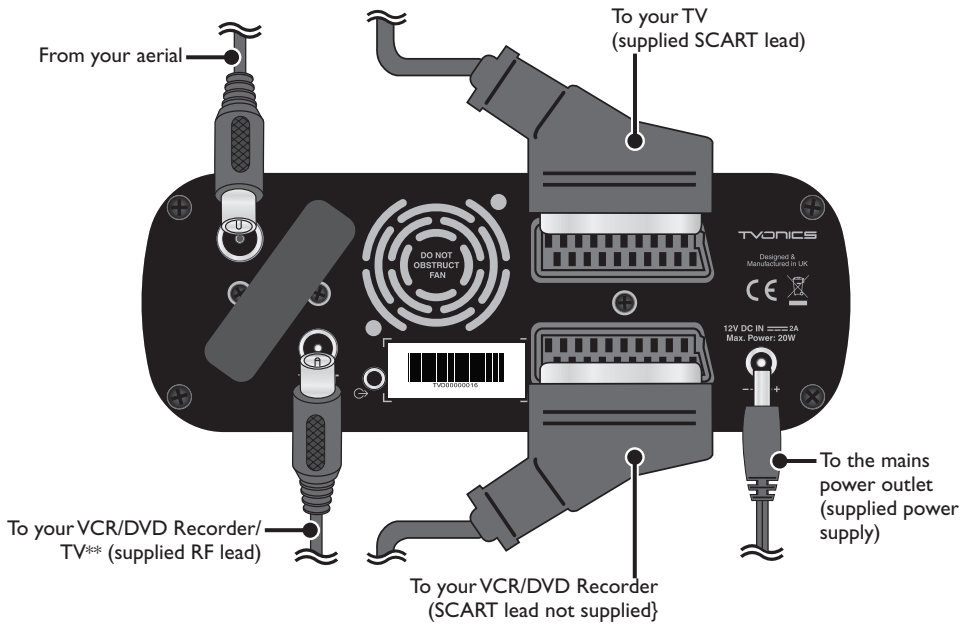
Always use the supplied stand when installing the Digital TV Recorder vertically, as shown. NEVER attempt to install the Digital TV Recorder vertically without the supplied stand, or with any other stand as this may result in damage to the Digital TV Recorder.

**Not using the stand
(installing horizontally):**




Always install the Digital TV Recorder horizontally as shown, on a stable surface. Failure to do so may result in damage to the Digital TV Recorder.

Connecting to your TV and VCR/DVD Recorder

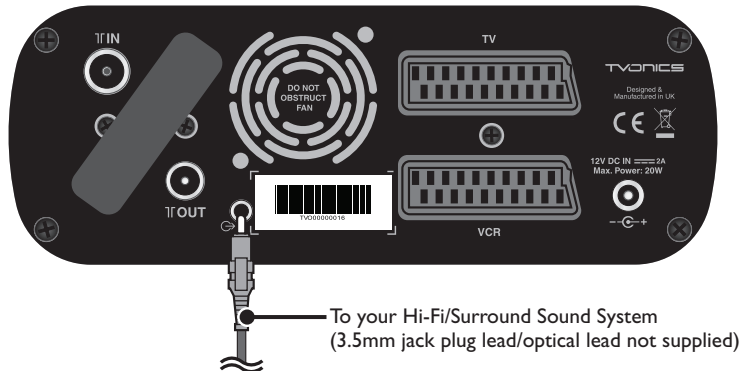



If there isn't already one in place, connect a second RF lead (not supplied) between your VCR/DVD Recorder's '**RF OUT**' socket to your TV's '**RF IN**' socket*.

 *Socket names may vary according to make and model of your equipment.

If you don't want to connect a VCR/DVD Recorder, connect the RF lead from the Digital TV Recorder's 'RF OUT**' socket to your TV's '**RF IN**' socket.

Connecting to your Hi-Fi/Surround Sound System



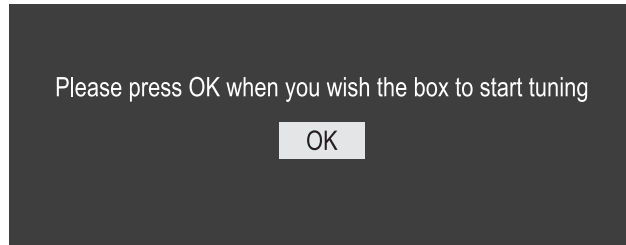
 Depending on your Hi-Fi/Surround Sound System you can use either a conventional 3.5mm jack plug lead or an optical lead (miniTOS).

Do not connect your headphones to the  socket.

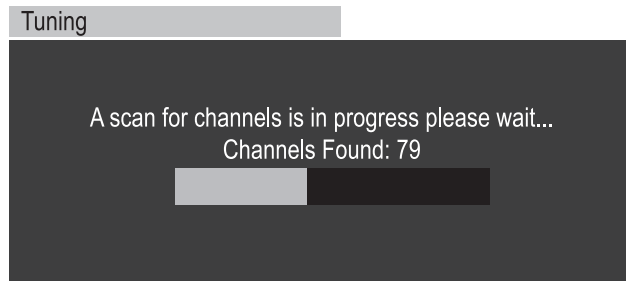
Automatically Tuning

▲ Once you have connected the Power Supply the following menu is displayed. Press **OK** to continue.

💡 If the remote control does not work, press the **DTV** button and try again.

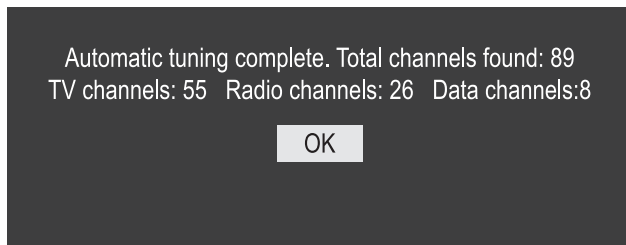


▲ The Digital TV Recorder will now scan and store all available channels. Depending on the quality of your reception, this may take several minutes. Please be patient and do not press any buttons.



💡 If no channels are found a message is displayed asking you to check your aerial. Confirm that your aerial is connected correctly and press **OK** to restart automatically tuning.

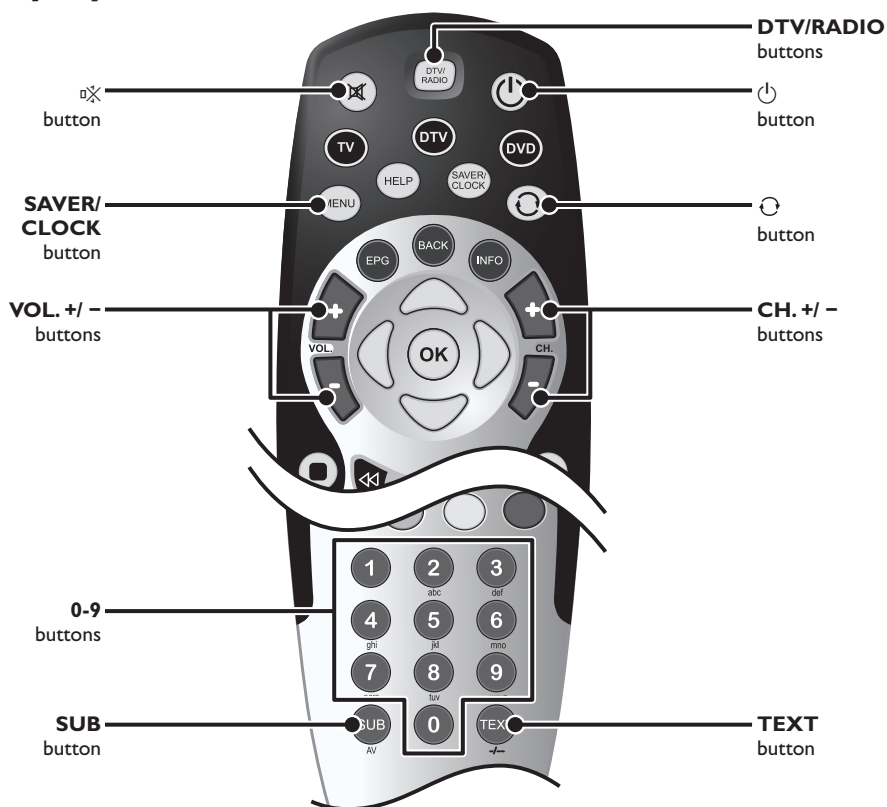
▲ Once the automatic tuning is complete, a summary screen is displayed.



▲ Press **OK** to exit the automatic tuning process.

Congratulations ! The Digital TV Recorder is now ready to use.

Everyday Tasks

























Basic operations

To	Press
Switch the Digital TV Recorder on/off...	⏻ button.
Select a channel...	CH. +/- or 0-9 buttons.
Adjust the volume..	VOL. +/- buttons*.
Mute the volume...	🔇 button. Press again to restore*.
Display subtitles (when available)...	SUB button. Press again to remove.
Display Digital Text (when available)...	TEXT button.
Access Radio Channels...	DTV/RADIO button. Press again to return to TV channels.
Display the clock...	SAVER/CLOCK button.
Switch on the Screen Saver...	SAVER/CLOCK button when the clock is displayed.
Return to the last channel watched...	↺ button.

*Once the remote control has been programmed to operate your TV. Refer to page 28.

Common Symbols

The following symbols may be visible in the Electronic Programme Guide, Channel List, Info display, Timers screen and Library menu.

 Locked channel.	 Multiple audio languages available.
 Encrypted/scrambled channel.	 Teletext available.
 Radio Channel.	 Timer has been set.
 Channel selected for moving.	 Timer is set to repeat (daily/weekly).
 Recording has been viewed.	 Selected channel is hidden.
 Playback of recording has been locked.	 Recording has been protected from deletion.
 Play.	 Pause.
 Record.	 Slow motion.
 Fast Forward.	 Rewind.
 Fast Forward (x16)	 Fast Rewind (x16)
 Fast Forward (x128)	 Fast Rewind (x128)

Timeshifting

Timeshifting, also known as Pause live TV, lets you pause a broadcast programme and continue watching it later. The maximum length of time you can pause is 2 hours.



Pausing live TV

▲ Press **||** to pause live TV. Press **▶** to resume.

💡 When live TV is pause, the timeshifting banner is displayed indicating how long the programme has been paused.

The length of time you can pause a programme for can be adjusted in the menu. See 'Pause Buffer Size' on page 25.

Rewinding live and timeshifted TV

▲ Press **<<** to rewind live TV. Press **▶** to resume.

💡 You can press **<<** a further 3 times to rewind faster.

Fast forwarding timeshifted TV

▲ Press **>>** to fast forward timeshifted TV. Press **▶** to resume.

💡 You can press **>>** a further 3 times to fast forward faster.

Watching in slow motion

▲ Press **||** to pause live TV or a recording.

▲ Press **>>** to watch in slow motion. Press **▶** to return to normal.

Stopping timeshifting

▲ Press **■ STOP**.

Recording Programmes

There are 4 different ways to record programmes:

- 💡 The Digital TV Recorder will automatically start recordings 1 minute early and end recordings 3 minutes later. To change these settings refer to 'Start Recordings' and 'End Recordings' on page 25.

Instant recording

- ▲ While watching a programme, press ● **REC** to start recording.
- ▲ Press ■ **STOP** to stop recording.
- 💡 While the Instant Recording menu is displayed you can press ● **REC** to set subsequent programmes on that channel to record.
While recording you can change channels but it is not possible to pause or rewind live TV.

Recording from the Electronic Programme Guide (EPG)

- ▲ With the required programme highlighted in the EPG, press ● **REC** to set the recording.
- 💡 For full details on the EPG, refer to page 14.

Recording from the Info display

- ▲ With the required programme highlighted in the Info display, press ● **REC** to set the recording.
- 💡 For full details on the Info display, refer to page 15.

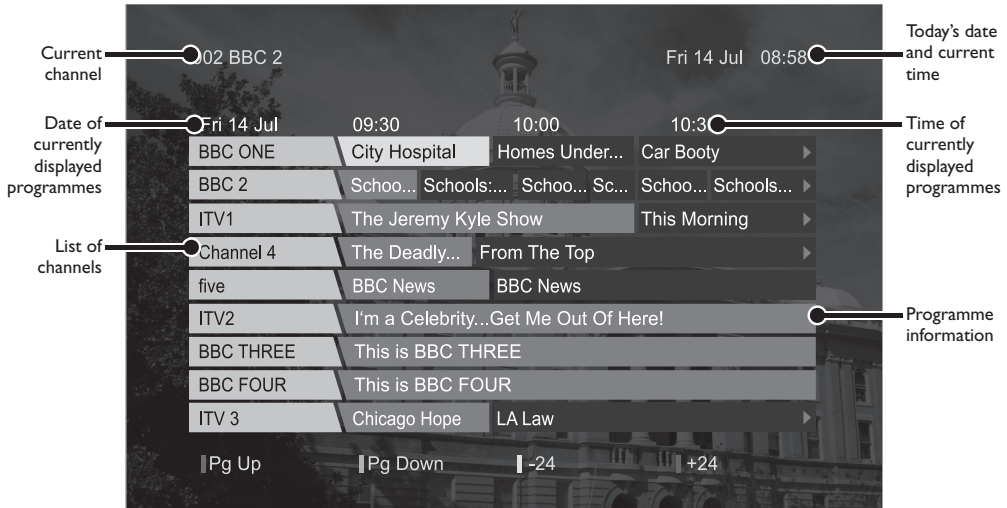
Manually recording

You can manually set a recording from the Timers menu.


- ▲ With the Timers menu displayed, press the **YELLOW** button to manually set a recording.
- 💡 For full details on the Timers menu, refer to page 17.

The Electronic Programme Guide (EPG)

The EPG displays programme information for the next 8 days (when transmitted by broadcasters). You can also set programmes to be recorded from the EPG.

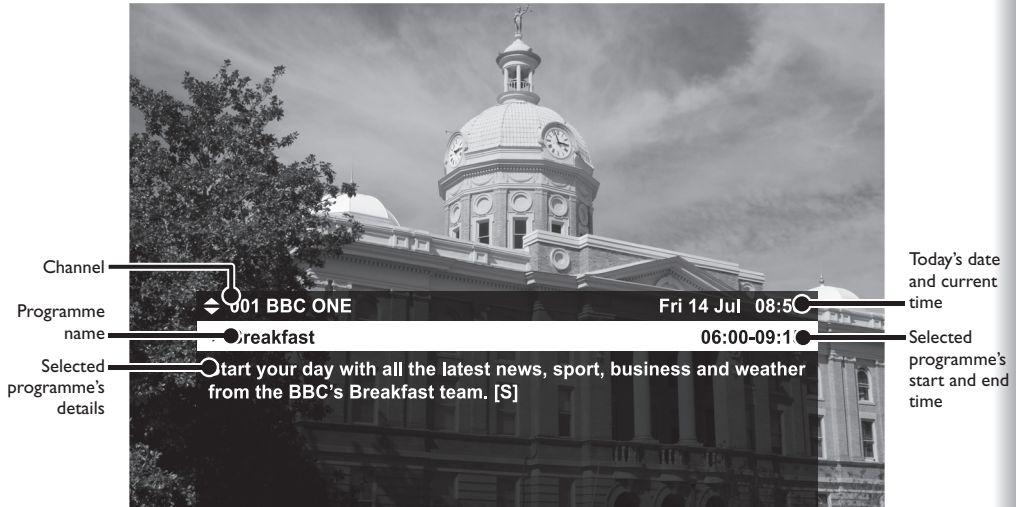


To	Press
Access the EPG...	EPG button.
Move around the EPG...	UP/DOWN/LEFT/RIGHT buttons.
Display the previous nine channels in the list...	RED button.
Display the next nine channels in the list...	GREEN button.
Move forward 4 or 24 hours...	BLUE button. (Press ○ to switch between 4 and 24 hours)
Move back 4 or 24 hours...	YELLOW button. (Press ○ to switch between 4 and 24 hours)
View information for the highlighted programme...	INFO button.
Set a highlighted programme to record...	● REC button.
Preview a current programme (in the background)...	OK button.
Exit the EPG and switch to a previewed programme...	OK button.
Exit the EPG...	EPG or BACK button.

 If you accidentally set a wrong programme to record, press the **● REC** button again to cancel.

The Info display

When watching TV, the Info display gives brief information on the current and future programmes (when the programme information is transmitted by broadcasters). You can also set programmes to be recorded from the Info display. When watching a recording, the Info display gives brief information on the recorded programme.



To	Press
Access Info for the current programme/recording...	INFO button.
View information for future programmes on the current channel...	RIGHT button.
View information for programmes on other channels...	UP/DOWN buttons.
Change the Audio setting (if available)...	RED button.
Change the Subtitle setting (if available)...	GREEN button.
Switch to another channel (when viewing that channel's information...	OK button.
Set a future programme to record...	REC button (whilst viewing that programme's information).
Exit Info...	INFO or BACK button.

The Channel List

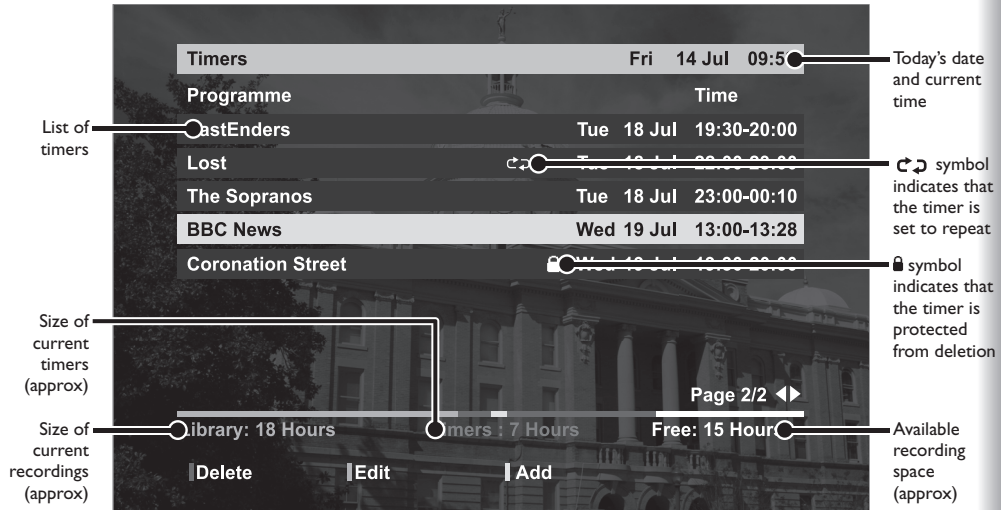
The Channel List displays all the available channels.



To	Press
Access the Channel List...	OK button while watching TV.
Select channels...	UP/DOWN buttons.
Display the previous nine channels in the list...	RED button.
Display the next nine channels in the list...	GREEN button.
Switch to the selected channel...	OK button.
Exit the Channel List...	BACK button.

The Timers screen

The Timers screen displays all the programmes that are currently set to record. You can also set a manual timer and modify or cancel an existing timer from the Timers screen.



To	Press
Access the Timers menu...	TIMER button.
Select a timer event...	UP/DOWN buttons.
View additional pages of timer events (if available)...	LEFT/RIGHT buttons.
Delete the selected timer event...	RED button.
Modify the selected timer event...	GREEN button (see below for more details).
Manually set a timer...	YELLOW button (see below for more details).
Exit the Timers menu...	TIMER or BACK button.

Modifying a timer


You can edit a current timer to change the channel, start and end time/date,


- ▲ With the required timer highlighted, press **GREEN**. If the timer is protected, use the **0-9** buttons to enter the PIN.
- ▲ Press **UP** or **DOWN** to highlight the required setting. Use the **UP, DOWN, LEFT, RIGHT** and **0-9** buttons to make changes.
- ▲ Press **GREEN** to save the changes.


☀ 'Repeat' options:

'Once'	The timer will occur once.
'Daily'	The timer will be repeated at the same time every day (☀ is displayed in the Timer screen).
'Weekly'	The timer will be repeated at the same time weekly (☀ is displayed in the Timer screen).



 **'Change/Delete' options:**

'Allowed'	The timer can be changed or deleted.
'Disallowed'	The PIN must be entered correctly before the timer can be changed/deleted. (A  symbol will be added to recordings that have been protected from change or deletion.)

 **'Playback' options:**

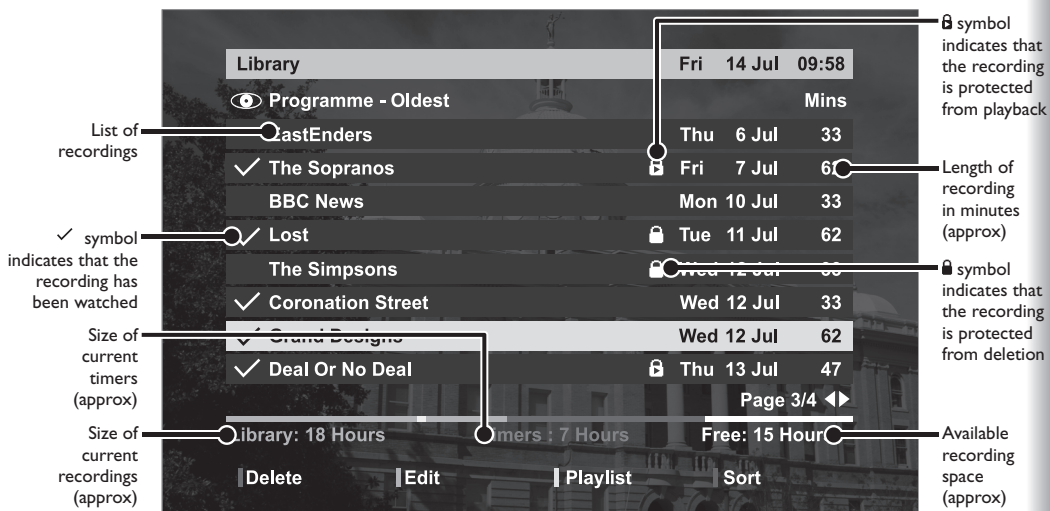
'Allowed'	The recording can be viewed (even if it was recorded from a locked channel).
'Disallowed'	The recording can not be viewed. The PIN must be entered correctly before the recording can be viewed. (A  symbol will be added to recordings that have been protected from playback.)
'Use parental settings'	If the recording is made from a locked channel, the PIN must be entered correctly before the recording can be viewed (see Parental Control on page 26).

Manually setting a timer

-  With the 'Timers' menu displayed, press **YELLOW**.
-  Press **UP** or **DOWN** to highlight the required setting. Use the **UP, DOWN, LEFT, RIGHT** and **0-9** buttons to make changes.

The Library menu

The Library menu displays all the recordings currently stored on the hard disk. You can also browse and manage your recordings from the Library menu. The Library menu will take longer to load if you have lots of recordings stored on the hard disk.



To	Press
Access the Library menu...	LIB button.
Select a recording...	UP/DOWN buttons.
View additional pages of recordings (if available)...	LEFT/RIGHT buttons.
Play the selected recording from the last played position...	▶ button.
Play the selected recording from a specific position...	OK button (see below for more details).
Delete the selected recording...	RED button.
Edit the selected recording (to set protection and playback options)...	GREEN button (see below for more details).
Add the selected recording to the playlist...	YELLOW button (see below for more details).
Sort the recordings...	BLUE button. Press the corresponding colour button to select the required sort option.
Exit the Library menu...	LIB or BACK button.



Playing a recording from a specific position

You can play a recording from the start, the end, the last played position or from any point within the recording.

- ▲ With the required recording highlighted, press **OK**.
- ▲ Press **UP, DOWN, LEFT** and **RIGHT** to highlight the required option. (For 'Start playback from', use the **0-9** buttons to enter the required time.) Press **OK** to play the recording.
- ☀ A ✓ symbol will be added to recordings that have been played.

Setting protection and playback options

You can prevent a recording from being deleted or played unless the PIN is entered correctly. This can be used to stop accidental deletion or prevent children watching inappropriate recordings.

- ▲ With the required recording highlighted, press **GREEN**.
- ▲ Press **UP** or **DOWN** to highlight the required setting. Use the **LEFT** and **RIGHT** buttons to make changes. Press **GREEN** to save any changes.
 - 💡 A  symbol will be added to recordings that have been protected from deletion.
 - A  symbol will be added to recordings that have been protected from playback.

Using the playlist

You can set multiple recordings to be played one after another. This can be useful when saving multiple recordings to a video tape/DVD or just to watch several recordings in one go.

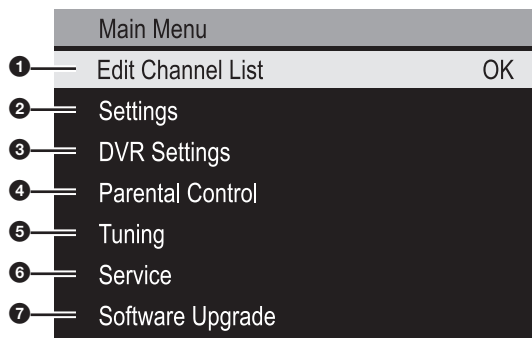
- ▲ With the required recording highlighted, press **YELLOW**. A **'1'** is added by the recording's name. Repeat to add further recordings to the playlist.
 - 💡 To remove a recording from the playlist, highlight the recording and press **YELLOW**.
- ▲ With one of the recordings in the playlist highlighted, press **OK**. Press **UP** or **DOWN** to highlight 'Start playlist'. Press **OK** to play the playlist. If you are saving recordings to a video tape/DVD, don't forget to start recording on your VCR/DVD recorder.
 - 💡 While the playlist is playing, press **▷▷** to skip to the next programme in the playlist. Press **◀◀** to return to the start of the current programme.

Navigating the menu



To	Press
Access the Menu...	MENU button.
Highlight an option...	UP/DOWN buttons.
Select an option...	OK button.
Adjust an option's settings....	LEFT/RIGHT buttons.
Go back a step...	BACK button.
Exit the Menu...	MENU button.

Overview of the menu



1 Edit Channel List

- Hide Channels
 - Edit Channel List
- Sort Channels
 - Sort Channel List

2 Settings

- Language
- Country
- Subtitle
- Audio
- TV Out
- Picture Mode
- Picture Format
- Reset Set Top Box

3 DVR Settings

- Start Recordings
- End Recordings
- Pause Buffer Size
- Auto Delete
- Format Disk

4 Parental Control

- Set Pin
- Lock Channels

5 Tuning

- Automatic Search
- Manual Search

6 Service






- Manufacturers Details
- Signal Strength

7 Software Upgrade

Edit Channel List






Hide Channels

You can hide channels so they do not appear on the EPG, Info and Channel List.

-  Hidden channels do not appear when changing channels with the **CH. +/-** buttons, but are still available by entering the channel number with the **0-9** buttons.
-  Press **MENU**. With 'Edit Channel List' highlighted, press **OK**.
-  With 'Hide Channels' highlighted, press **OK**.
-  Press **UP** or **DOWN** to highlight the required channel, press **OK**. An 'X' appears next to channels that have been hidden. Repeat for all required channels.
-  Press **RED** or **GREEN** to view the Previous or Next page of channels. Make channels visible again by highlighting them and pressing **OK** to remove the 'X' in the step above.

Sort Channels

You can sort the channel order to one that suits you.

-  Press **MENU**. With 'Edit Channel List' highlighted, press **OK**.
-  With 'Sort Channels' highlighted, press **OK**.
-  Press **UP** or **DOWN** to highlight the required channel, press **OK**. A 'r' appears next to the selected channel.
-  Press **UP** or **DOWN** to highlight the new position for that channel, press **OK**. The channel positions are swapped.
-  Press **RED** or **GREEN** to view the Previous or Next page of channels.

Settings



Language

You can select the language used in the Menu.

-  Press **MENU**. With 'Settings' highlighted, press **OK**.
-  With 'Language' highlighted, press **LEFT** or **RIGHT** to highlight the required language (if available).




Country

You can select the country in which you are using the Digital TV Recorder to ensure that the time and channel information is correct.

-  Press **MENU**. With 'Settings' highlighted, press **OK**.
-  With 'Country' highlighted, press **LEFT** or **RIGHT** to highlight the required language.

Subtitle

You can select the default language used for subtitles.

-  Press **MENU**. With 'Settings' highlighted, press **OK**.
-  With 'Subtitle' highlighted, press **LEFT** or **RIGHT** to highlight the required country.
-  Subtitles are displayed in the selected language only when the necessary information is transmitted by the broadcaster.

Audio

Some digital programmes may broadcast several audio languages. You can select which language to listen to.

▲ Press **MENU**. With 'Settings' highlighted, press **OK**.

▲ With 'Audio' highlighted, press **LEFT** or **RIGHT** to highlight the required language.

💡 Alternative languages are only available when the necessary information is transmitted by the broadcaster.

TV Out

You can select which format to output the picture to the TV.

▲ Press **MENU**. With 'Settings' highlighted, press **OK**.

▲ With 'TV Out' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

💡 For the best picture quality, select 'RGB'.
RGB and Y/C are only available via the TV SCART socket.

Picture Mode

You can set the Digital TV Recorder to output 4:3 or 16:9 (widescreen) pictures.

▲ Press **MENU**. With 'Settings' highlighted, press **OK**.

▲ With 'Picture Mode' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

Picture Format

You can select whether to output 16:9 (widescreen) pictures on a 4:3 TV as full screen or letterbox.

▲ Press **MENU**. With 'Settings' highlighted, press **OK**.

▲ With 'Picture Format' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

💡 When outputting '4:3' pictures, setting 'Picture Format' to 'Normal' fills the TV screen but some of the picture is lost. Setting 'Picture Format' to 'Letterbox' displays all of the picture with black bars visible on screen.

Reset Set Top Box

You can reset the Digital TV Recorder to its default state.

▲ Press **MENU**. With 'Settings' highlighted, press **OK**.

▲ With 'Reset Set Top Box' highlighted, press **OK**.

▲ Press **LEFT** or **RIGHT** to highlight 'YES', press **OK**.

▲ Enter your PIN (default 0000) to continue or press **BACK** to return to the Menu.

💡 **CAUTION !** Resetting the Digital TV Recorder will clear all settings and all channel information. After resetting, the Digital TV Recorder will need to retune all channels. Only recorded programmes stored on the hard disk will be kept.

DVR Settings

Start Recordings

To avoid missing the start of a programme you can set the Digital TV Recorder to start recording a programme earlier than the actual start time.

- ▲ Press **MENU**. With 'DVR Settings' highlighted, press **OK**.
- ▲ With 'Start Recordings' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

End Recordings

To avoid missing the end of a programme you can set the Digital TV Recorder to stop recording a programme later than the actual end time.

- ▲ Press **MENU**. With 'DVR Settings' highlighted, press **OK**.
- ▲ With 'End Recordings' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

Pause Buffer Size

You can set the amount of time the Digital TV Recorder will pause a programme for. This setting also determines how far back you can rewind live TV.

- ▲ Press **MENU**. With 'DVR Settings' highlighted, press **OK**.
- ▲ With 'Pause Buffer Size' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.

Auto Delete

You can set the Digital TV Recorder to automatically delete recorded programmes based on their size or if they have been watched. Programmes will only be deleted when there is not enough hard disk space available for new recordings.

- ▲ Press **MENU**. With 'DVR Settings' highlighted, press **OK**.
- ▲ With 'Auto Delete' highlighted, press **LEFT** or **RIGHT** to highlight the required setting.
- 💡 Set 'Auto Delete' to 'Never' if you prefer to manage your recordings yourself.

Format Disk

You can format the hard disk to delete all stored programmes.

- ▲ Press **MENU**. With 'DVR Settings' highlighted, press **OK**.
- ▲ With 'Format Disk' highlighted, press **OK**.
- ▲ Press **LEFT** or **RIGHT** to highlight 'YES', press **OK**.
- ▲ Enter your PIN (default 0000) to continue or press **BACK** to return to the Menu.
- 💡 **CAUTION !** Formatting the hard disk will delete all the recorded programmes stored on the hard disk.

Parental Control

Set PIN

The default PIN is 0000. You can change this to something more memorable.

- ▲ Press **MENU**. With 'Parental Controls' highlighted, press **OK**.
- ▲ Enter the current PIN.
- ▲ With 'Set Pin' highlighted, press **OK**.
- ▲ Enter the new PIN. Re-enter the new PIN. Make a note of your new PIN and keep it in a safe place.

Lock channels

You can lock channels so they can only be viewed once the correct PIN is entered.

- ▲ Press **MENU**. With 'Parental Controls' highlighted, press **OK**.
- ▲ Enter the current PIN.
- ▲ With 'Lock Channels' highlighted, press **OK**.
- ▲ Press **UP** or **DOWN** to highlight the required channel, press **OK**. An '🔒' appears next to the selected channel. Repeat for all required channels.
- 💡 Press **RED** or **GREEN** to view the Previous or Next page of channels. Unlock channels again by highlighting them and pressing **OK** to remove the '🔒' in the step above.

Tuning

Automatic Search

You can automatically tune the Digital TV Recorder to search for any new channels that may have been launched.

- ▲ Press **MENU**. With 'Tuning' highlighted, press **OK**.
- ▲ Enter the current PIN.
- ▲ With 'Automatic Search' highlighted, press **OK**.
- ▲ Press **LEFT** or **RIGHT** to highlight 'YES', press **OK**.
- 💡 'Automatic Search' will overwrite any changes made to the channel order.

Manual Search

You can manually tune the Digital TV Recorder. This may be useful to search for any new channels that may have been launched.

- ▲ Press **MENU**. With 'Tuning' highlighted, press **OK**.
- ▲ Enter the current PIN.
- ▲ With 'Manual Search' highlighted, press **OK**.
- ▲ Enter the frequency, press **OK**. The Digital TV Recorder will search for any new channels. This may take a few minutes.
- ▲ A list of the channels found is displayed. These channels are automatically stored, press **OK**.

Service

Manufacturers Details

If you encounter problems with your Digital TV Recorder, you may be required to provide this information to service personnel.

 Check the Troubleshooting section of this instruction manual before contacting service personnel.

 Press **MENU**. With 'Service' highlighted, press **OK**.

 With 'Manufacturers Details' highlighted, press **OK**.


Signal Strength


 Press **MENU**. With 'Service' highlighted, press **OK**.


 With 'Signal Strength' highlighted, press **OK**.

Software Upgrade

Periodically, we may issue upgrades for the Digital TV Recorder's software. The Digital TV Recorder will be able to receive such upgrades through your TV aerial.

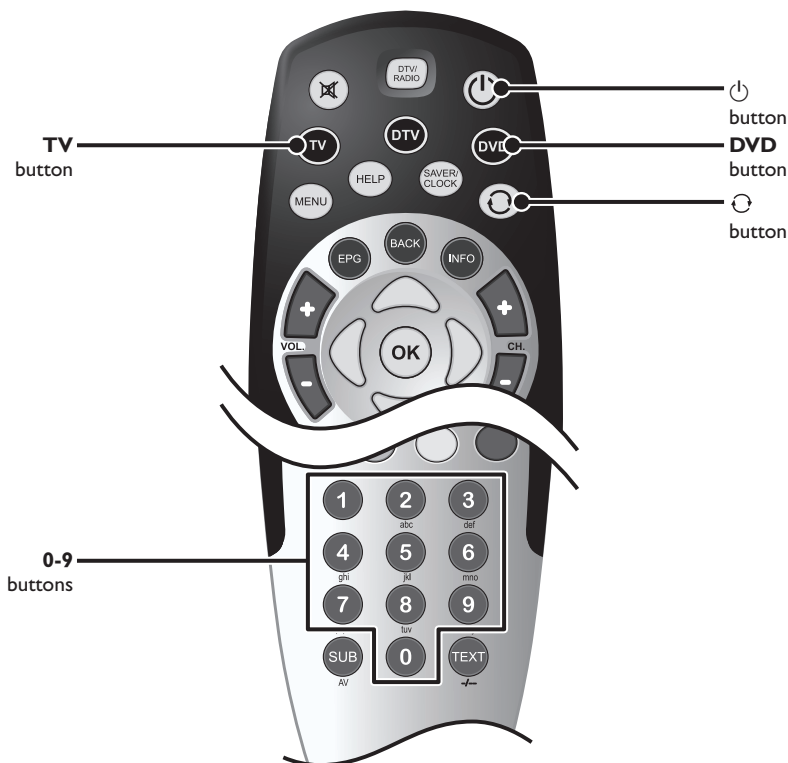
 Press **MENU**. With 'Software Upgrade' highlighted, press **OK**.

 The Digital TV Recorder will search for any available upgrades. This may take a few minutes. Follow the on screen instruction to install any upgrades that are found.

 The Digital TV Recorder will automatically check for software upgrades when it is in standby.

Programming the Remote Control

The Digital TV Recorder's remote control can be programmed to operate certain TVs and DVD players. Follow the procedure below to programme the remote control.





- ▲ Find the 4 digit code for brand of TV or DVD player from the brand codes, starting on page 33.
 - 💡 If your brand is not included in the list or the codes for your brand do not operate your equipment, refer to the following page for an automatic method of programming the remote control.
- ▲ **If you want to programme the remote control to operate a TV:**
Press the **TV** button.
- If you want to programme the remote control to operate a DVD player:**
Press the **DVD** button.
- ▲ Press and hold the **power** button for approximately 3 seconds. The **TV/DVD** button flashes twice.
- ▲ Use the **0-9** buttons to enter the 4 digit code for your brand. The **TV/DVD** button flashes when every digit of the code is entered.
- ▲ If a valid code has been entered, the **TV/DVD** button will flash twice, quickly.
- ▲ Check that the remote control operates your equipment by pressing the **power** button. If not, repeat the above procedure and try another code for your brand.
 - 💡 The codes you enter may be lost if weak batteries are not replaced immediately. Even if your TV/DVD brand is listed in the code table, in some instances it may not be possible to operate all of the available functions.

Automatically Programming the Remote Control


If your TV or DVD brand is not included in the code list or the brand codes in the list do not operate your equipment it may still be possible to programme the remote control to operate your equipment.

- ▲ **If you want to programme the remote control to operate a TV:**
Press the **TV** button.

If you want to programme the remote control to operate a DVD player:
Press the **DVD** button.


- ▲ Press and hold the  button for approximately 3 seconds. The **TV/DVD** button flashes twice.
- ▲ Use the **0-9** buttons to enter the code '991'. The **TV/DVD** button flashes when every digit of the code is entered. If the code has been entered correctly, the **TV/DVD** button will flash once, quickly.
- ▲ Press the  button and note whether the remote control switches off your TV/DVD player.

If the remote control switches off your TV/DVD player:
The remote control has found your code. Press the  button to save.

If the remote control does not switch off your TV/DVD player:
Press the **CH+** button repeatedly until the remote control switches off your TV/DVD. The remote control has found your code. Press the  button to save.

Finding the Remote Control's Current Codes


If you have used the procedure above to programme the remote control to operate your TV or DVD, it may be useful to know the correct code for your equipment.

-  Knowing the codes that operate your equipment will allow you to re-programme the remote control quickly using the procedure on the previous page, should the need arise.

There is a label inside the remote control's battery compartment where you can record your brand codes.

- ▲ **If you want to find out the TV code:**
Press the **TV** button.

If you want to find out the DVD code:
Press the **DVD** button.

- ▲ Press and hold the  button for approximately 3 seconds. The **TV/DVD** button flashes twice.
- ▲ Use the **0-9** buttons to enter the code '990'. The **TV/DVD** button flashes when every digit of the code is entered. If the code has been entered correctly, the **TV/DVD** button will flash once, quickly.
- ▲ Press the **1** button and count the number of times the **TV/DVD** button flashes. The number of flashes is the first number of the code.
- ▲ Press the **2** button and count the number of times the **TV/DVD** button flashes. The number of flashes is the second number of the code.
- ▲ Press the **3** button and count the number of times the **TV/DVD** button flashes. The number of flashes is the third number of the code.
- ▲ Press the **4** button and count the number of times the **TV/DVD** button flashes. The number of flashes is the fourth number of the code.

Controlling a TV






Before attempting to control a TV, ensure that the remote control has been programmed (refer to the previous page).

- ▲ Press the **TV** button.
- ▲ Use the buttons in the table below to operate your TV.
- ▲ When you have finished controlling your TV, press the **DTV** button to allow the remote control to operate the Digital TV Recorder again.

Controlling a DVD player

Before attempting to control a DVD player, ensure that the remote control has been programmed (refer to the previous page).

- ▲ Press the **DVD** button.
- ▲ Use the buttons in the table below to operate your DVD player.
- ▲ When you have finished controlling your DVD player, press the **DTV** button to allow the remote control to operate the Digital TV Recorder again.

Button	Function in TV Mode	Function in DVD Mode
	Mutes the TV	- No function -
	Switches the TV on/off	Switches the DVD player on/off
VOL. +/-	Adjusts the volume	- No function -
CH. +/-	Selects the next/previous channel	- No function -
UP/DOWN/ LEFT/RIGHT	- No function -	Navigates menus
OK	- No function -	Makes a selection in menus
■ STOP	- No function -	Stops playback
	- No function -	Rewind
	- No function -	Play
II	- No function -	Pause
	- No function -	Fast Forward
0-9	Selects channels	- No function -
SUB/AV	Selects the Video Input	- No function -
TEXT/--	Selects double digit channels	- No function -

Specifications

Physical Specification

Size	(W) 185mm x (H) 70mm x (D) 210mm
Weight	1.9 kg

Power Requirements

Input Voltage	12V DC (with supplied Power Supply)
Power Consumption (On)	20W Max
Power Consumption (STBY)	3W
Operating Temperature	+10°C to +40°C
Storage Temperature	-20°C to +60°C

Twin Tuners

RF Input / Output Connectors	1x IEC (Female) / 1x IEC (Male)
Channel Coverage	UHF (B21 to B68 / 470MHz to 860MHz)

Video Decoder

Video Decoding	MPEG-2 Main Level / Main Profile
Video Formats	16:9 / 4:3
Video Output	RGB / Y/C / CVBS

Audio Decoder

Audio Decoding	MPEG-2 Layer I
Audio Mode	Stereo / Mono

AV Connectors

Video	2x 21 Pin SCART (TV SCART = RGB / Y/C, VCR SCART = CVBS)
Audio	1x 3.5mm Jack/miniTOS (Analogue Stereo/PCM Audio Optical SPDIF)

Supplied Accessories

Universal Remote Control	Power Adaptor (12V 2Amp)
2x AA / R06 Batteries	SCART Lead
Instruction Manual	RF Lead
Quick Start Guide	Stand
4x Rubber Feet	

Design and specifications are subject to change without notice.
All information correct at time of going to press.

Troubleshooting

Should you experience a problem with your Digital TV Recorder which can't be resolved using the table below, put the unit into Standby mode, then unplug completely from the mains. Leave the unit unplugged for at least one minute before connecting again to the mains.

Picture

Problem	Possible cause/remedy
No picture/distorted picture	<ul style="list-style-type: none">• Check the Digital TV Recorder is switched on.• Check the aerial is correctly connected to the unit.• Check all connections between the unit and TV.• Check the TV is displaying the correct AV input (refer to the instruction manual supplied with your TV for details).• Check the signal strength (refer to "Signal Strength" on page 27).
Black and white picture	<ul style="list-style-type: none">• Digital TV Recorder is set to output Y/C pictures and your TV does not support Y/C. Change the "TV Out" setting (refer to "TV Out" on page 24).

Sound

Problem	Possible cause/remedy
No sound	<ul style="list-style-type: none">• TV is muted.• Check the aerial is correctly connected to the unit.• Check all connections between the unit and TV/Hi-Fi or Surround Sound System.

Power

Problem	Possible cause/remedy
No power	<ul style="list-style-type: none">• Check the power supply is correctly connected and the unit is switched on.
Digital TV Recorder does not work	<ul style="list-style-type: none">• Check the remote control is in DVR mode.
Digital TV Recorder takes a long time to switch on	<ul style="list-style-type: none">• The Hard Disk is nearly full. Delete some recordings.

Remote Control

Problem	Possible cause/remedy
Remote control does not work	<ul style="list-style-type: none">• Check the remote control mode (for example, when trying to operate the Digital TV Recorder, press the DVR button on the remote control and retry).• If the remote control does not operate the equipment, even when the remote control has been set to the correct mode, re-programme the remote control (refer to page 28).• Replace the batteries.

Recording

Problem	Possible cause/remedy
Digital TV Recorder does not record	<ul style="list-style-type: none">• Use the Library menu to check if there is any free space on the Hard Disk. If there is little or no space, delete some recordings.• Put the Digital TV Recorder into Standby mode, then unplug completely from the mains. Leave the unit unplugged for at least one minute before connecting again to the mains.• Reformat the Hard Disk. Please note that this should only be done as a last resort as formatting the Hard Disk will permanently delete all recordings.

TVonics Helpline:
TVonics Website:
TVonics E-mail support:

0870 8030551 (calls charged at national rate)
www.tvonics.co.uk
stbsupport@tvonics.co.uk

Remote Control Brand Codes

Use the brand codes in the following list when programming the remote control to operate your TV or DVD player (refer to page 28).

TV Brand List					
Brand	Code(s)	Brand	Code(s)	Brand	Code(s)
Aiwa:	1938	Hitachi:	0255, 1255, 0379, 0608, 0066, 0386, 0138, 0503, 0193, 0373, 0226, 0247, 0224, 0546, 0102, 0511, 0529, 0067, 0586, 0139, 0393, 0578, 0664, 0774, 0208, 1167, 0135, 0522, 1511, 0391, 0542, 0510, 0827, 1067, 1606, 1179	Samsung:	0648, 0617, 0067, 0208, 0586, 1279, 0123, 0674, 1265, 0039, 0247, 0512, 0400, 0090, 0294, 0246, 0102, 0238, 0712, 0193, 0655
Akai:	0391, 0238, 0401, 0067, 0463, 0221, 0065, 0039, 0102, 0248, 0744, 0193, 0546, 0745, 0632, 0586, 0578, 0510, 0247, 0661, 0246, 0294, 0208, 0407, 0636, 1067, 1938, 0503, 1289	JVC:	0638, 0066, 0713, 0401, 0248, 0636, 0448, 0761, 0123	Sanyo:	0238, 1238, 0187, 0322, 0066, 0041, 0400, 0369, 0102, 0246, 0247, 0134, 0075, 0585, 0039, 0193, 0403, 0067, 0138, 0586, 0516, 0765, 0200, 0734
Alba:	0067, 1067, 0586, 0744, 0039, 0448, 0400, 0265, 0401, 0698, 0385, 0248, 0246, 0277, 0193, 0517, 0066, 1938, 0473, 0581	LG:	0067, 0208, 0400, 0039, 0407, 0247, 0586, 0744, 0246, 0193, 0636, 0139, 0745, 1667, 1176, 1221	Sharp:	0123, 1223, 0187, 0066, 0324, 0521, 0683, 0546, 0230, 0790, 1423, 1193
Baird:	0139, 0373, 0102, 0103, 0247, 0238	Loewe:	0542, 0663, 0820, 0067, 0586, 0685, 0400, 0117, 0322, 0581, 0392, 0546	Sony:	1535, 1681, 1040, 0041, 1781, 0383, 0066, 0132, 0067, 0586, 0187
Bang & Olufsen:	0595, 0117, 0305	Logik:	0041, 0090, 0039, 0294, 0401, 0910, 1247	Teac:	0542, 0067, 1067, 0586, 0742, 0698, 0485, 0247, 0294, 1939, 0208, 0039, 0442, 0379, 0312, 0448, 0200, 0744, 1179, 1785
Beko:	0744, 0065, 0516, 0400, 0067, 0448, 1067, 0586, 0636, 0745, 0838	Matsui:	0067, 0586, 0517, 0039, 0265, 0207, 0041, 0385, 0102, 0066, 0247, 0324, 0401, 0463, 0473, 0393, 0485, 0193, 0379, 0546, 0065, 0238, 0075, 0225, 0221, 0365, 0744, 1938, 1067	Tevion:	1289, 1328, 0067, 0586, 0698, 1167, 0744, 1067, 1278, 1319
Daewoo:	0664, 0404, 1939, 0529, 0691, 0067, 0586, 0039, 0246, 0248, 0247, 1167, 1938, 0910	Orion:	0067, 0209, 0473, 0385, 0586, 0685, 0744, 0265, 0324, 0207, 0350, 0041, 0039, 0351, 0132, 0294, 0442, 0546, 0561, 1938, 0910, 1226	Thomson:	0655, 0590, 0373, 0317, 0139, 0365, 0226, 0067, 0586, 0379
Ferguson:	0103, 0655, 0317, 0365, 0268, 0139, 05900, 0067, 0586, 0065, 0373, 0134, 0138, 0391, 0578, 0473, 1067	Panasonic:	0680, 1680, 0138, 0256, 0391, 0397, 0546, 0067, 0586, 0193, 0578, 1340, 0883	Thorn:	0138, 0139, 0103, 0255, 0373, 0391, 0268, 1535, 1040, 0104, 0114, 0529, 0565, 0067, 0102, 0586, 0041, 0134, 0365, 0542, 0066, 0075, 0404, 0065, 0100, 0131, 0386
Fidelity:	0193, 0542, 0393, 0067, 0586, 0401, 0442, 0561, 0246, 0294, 1938, 0391	Philips:	0586, 0067, 0268, 0221, 0117, 0373, 0404, 0802, 0039, 0230	Toshiba:	0538, 0090, 1538, 0065, 1319, 0066, 0100, 0132, 0744, 0271, 0247, 0139, 0225, 0221, 0648, 1938, 0039, 0067, 1194, 1193
Goodmans:	0064, 1289, 1067, 0067, 0529, 0586, 0744, 0698, 1939, 0404, 0066, 0294, 0102, 0546, 0039, 0209, 0517, 0401, 0373, 0265, 0065, 0510, 0590, 0247, 0365, 0248, 1938, 0660, 0691, 1930, 0910, 1338, 0617, 1406	Pioneer:	0790, 0041, 0196, 0067, 0200, 0586, 1290, 0400, 0373, 0391, 0139, 0193, 0317, 0516, 0542		
Grundig:	0225, 0538, 0565, 0221, 0100, 0517, 0067, 0473, 0586, 0617, 0039, 0066, 0400, 0770, 1938, 0660, 1253, 1338, 0208, 1406	Pye:	0067, 0586, 0017, 0404, 0379, 0442		

DVD Brand List					
Brand	Code(s)	Brand	Code(s)	Brand	Code(s)
Aiwa:	0671, 0725, 0899, 0563	JVC:	0653, 0588, 1931, 1970, 1194, 0569, 0533, 0897, 1271	Samsung:	0603, 0774, 1962, 0850, 1105, 2038, 0520
Akai:	0820, 0809, 0818, 1145, 0928, 0796, 0746, 0914, 0743, 0882, 0735, 1119, 1725, 1263	Kenwood:	0564, 0520	Sanyo:	0700, 0725, 0820, 0903, 0743
Alba:	0747, 0729, 0743, 0753, 0725, 0760, 0813, 0569, 0702, 1170, 1081, 1560, 1725	Kiss:	0871, 1553, 0695	Sharp:	0660, 0782, 0743, 0725, 2045, 1286, 1449, 2054
Bush:	0743, 0725, 0863, 1725, 0760, 0861, 0729, 0747, 0808, 0848, 0909, 0914, 0753, 1195, 1466, 1449, 1513	LG:	0771, 0621, 1936, 0899, 2032	Sony:	0563, 1663, 2011, 1100, 2050, 1933, 0802, 1964, 0603, 2073, 1897, 1854
Daewoo:	0862, 0863, 1513, 0735, 0800, 0744, 1948, 1466, 0902, 1171, 1471, 0808	Loewe:	0569, 0771	Technics:	0520, 1935, 1937, 1938
Denon:	0520, 0664, 1664	Matsui:	0681, 0743, 0702, 0725, 0914, 1760	Thomson:	0581, 0552
DMTECH:	0813, 0820, 2076, 1301	Mitsubishi:	0743	Toshiba:	0533, 1075, 1540, 2036
Ferguson:	0681, 1760, 0928	Orion:	0725, 1158, 1725, 1263, 1449	Umax:	1181
Goodmans:	0743, 1034, 0753, 0791, 0813, 0760, 0681, 0820, 0848	Panasonic:	0520, 1938, 1935, 1864, 1937	XBox:	0552
Grundig:	0725, 0805, 0569, 0681, 0735, 0820, 0743, 0700, 0753, 1725, 2076, 1034, 1760, 1950, 1466, 1513	Philips:	0569, 0676, 0915, 0705, 0533, 1842, 1843, 1848, 1188	Yamada:	1034, 0902, 1181, 1446, 1086, 1519, 1188
Hitachi:	0694, 0809, 1950, 2024, 0695, 0603, 0887, 0743	Pioneer:	0601, 1995, 0661, 0555, 1930, 1601, 1490	Yamaha:	0569, 0676, 0520



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