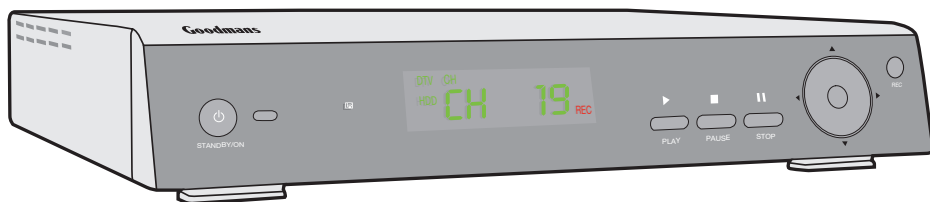


Goodmans

GHD1621F2 & GHD2521F2 Digital TV Recorder Instruction Manual



IMPORTANT: Please read all instructions carefully before use and keep for future reference.

Digital TV and Aerials

Thank you for choosing this Goodmans Digital TV Recorder. Not only can it receive over 40 Freeview channels, you can also pause, record and rewind TV at the touch of a button.

It's really easy to program; you can set it up to record a whole series in a matter of minutes. No need to key in times or dates, it's all done using a clear on-screen programme schedule. You can even record two channels at the same time. All your recordings are stored on your Digital TV Recorder's hard drive, which means an end to piles of DVDs.

This Digital TV Recorder has been given the Freeview+ seal of approval, so you can be sure you're getting a great product.

IMPORTANT: Use of any electrical equipment should be undertaken with care. Please read the safety section on page 18-19 before using your Digital TV Recorder. This appliance is for household use only.

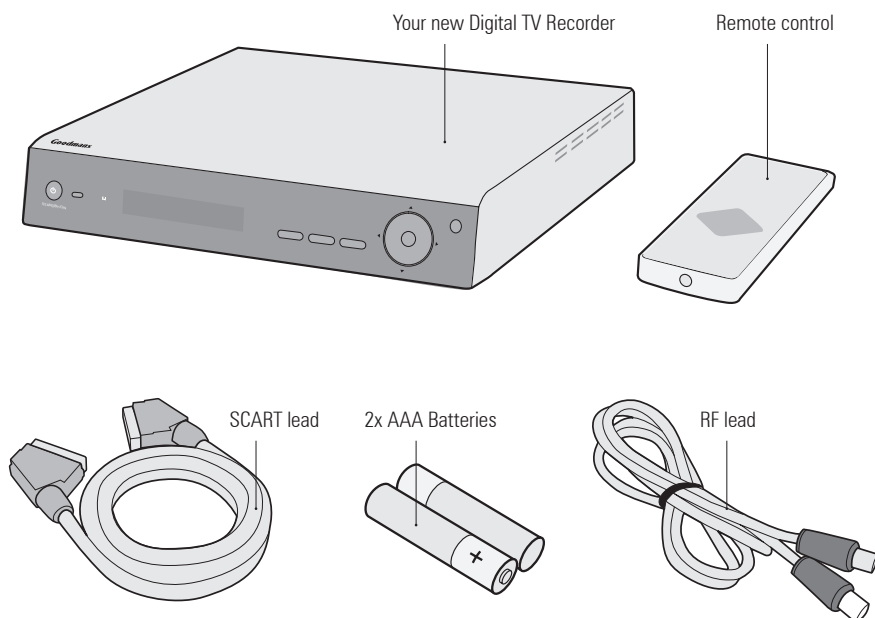


A Set Top Box lets you access the free digital channels that are broadcast in the UK. It uses a digital signal, received through your wideband aerial and lets you watch it through your existing television.



Freeview+ digital TV recorders give you over 40 free channels that you can pause and record for no subscription. For more information on Digital Television and Freeview+, and to check reception in your area please visit www.freeview.co.uk/freeviewplus

What's in the box



Other things you may need

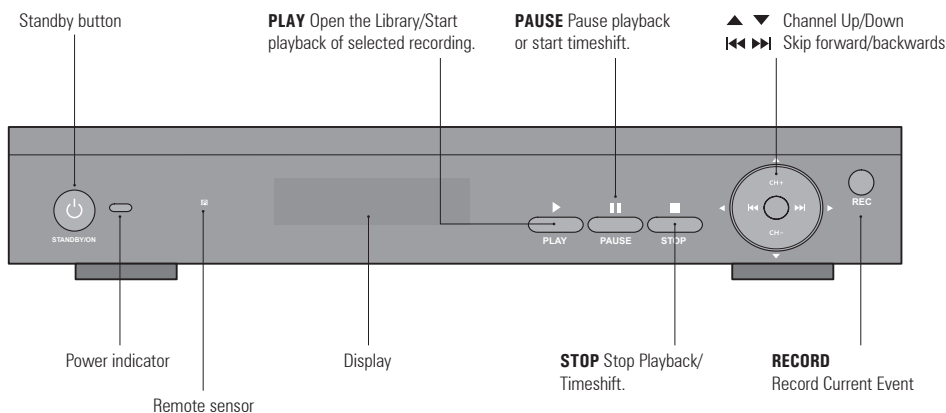
Roof top aerial

You will need a wideband rooftop aerial in order for your Digital TV Recorder to work properly. For more information see the Quick Start guide or visit www.digitaluk.co.uk.

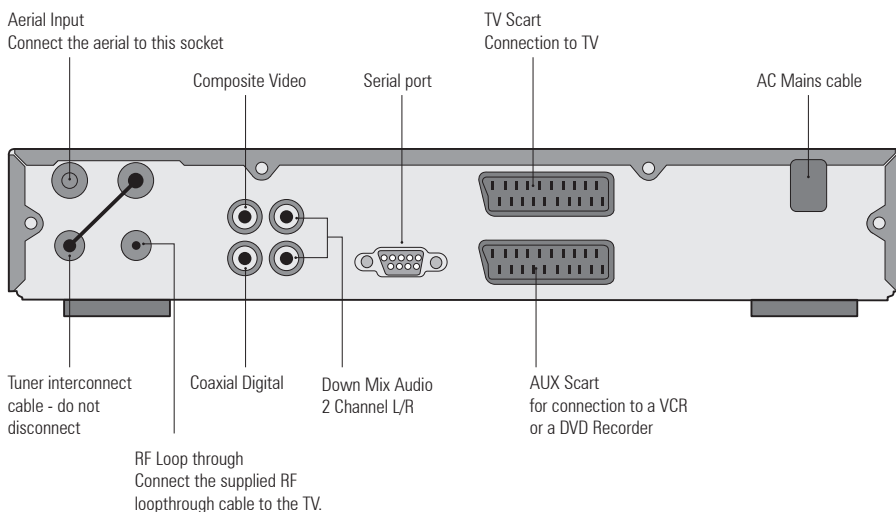
Contents

01	Your Digital TV Recorder....	4	06	Advanced features.....	12-13
02	Your remote control.....	5	07	Settings.....	14-15
03	Set up.....	6	08	Troubleshooting.....	16
04	Get going.....	7	09	Specification.....	17
05	Daily use.....	8-11			

Front panel



Rear panel



STANDBY Power On/Standby.

TV/AUX Cycle between internal Audio/Video and AUX loopthrough Audio/Video.

NUMBER PAD Enter values and select the channel directly by entering its number.

SUBTITLE
Cycle through the available subtitles for the current broadcast.

WIDE Adjust the aspect ratio of the video output.

RECALL
Return to previous selected channel.

GUIDE Display the EPG
Electronic Program Guide.

AUDIO
Cycle through available Audio languages.

INFO Display the Info bar.

CHANNEL UP/DOWN

NAVIGATION

Navigate up/down/left/right in menus/on screen displays.

RECORD During Live TV, press once to record the current event, press again to record the following event. When viewing the EPG, press once to select an event for recording.

OK Confirm selection in menu/on screen displays.

PLAY Press once to open the video library and also to resume playback when video is paused.

STOP
Stop playback or recording.

SKIP BACKWARDS
Jump backwards during playback.

SKIP FORWARD
Jump forwards during playback.

PAUSE When watching live TV, press to start Timeshift mode. During playback press once to pause playback, press again to play frame by frame.

SEARCH FORWARDS Press this button repeatedly during playback to cycle through the available speeds for searching forwards.

SEARCH BACKWARDS
Press this button repeatedly during playback to cycle through the available speeds for searching backwards.

SEARCH
During playback, press this button to go to a favourite section.

SLOW
Cycle through the available slow motion playback speeds.

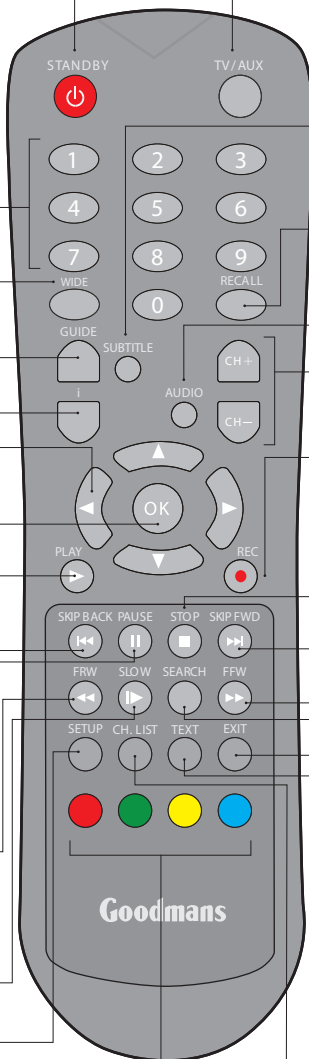
SETUP Display setup menu.

EXIT

COLOUR BUTTONS
For interactive function

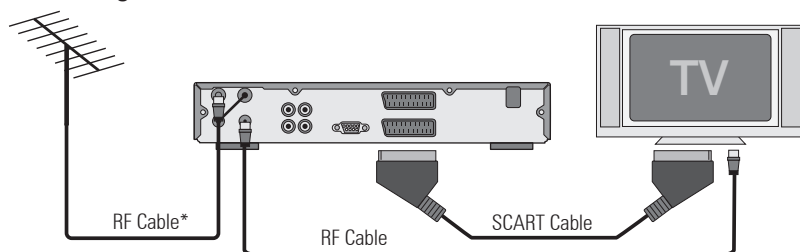
TEXT Display Digital Teletext where available.

CH.LIST
Display the channel list.



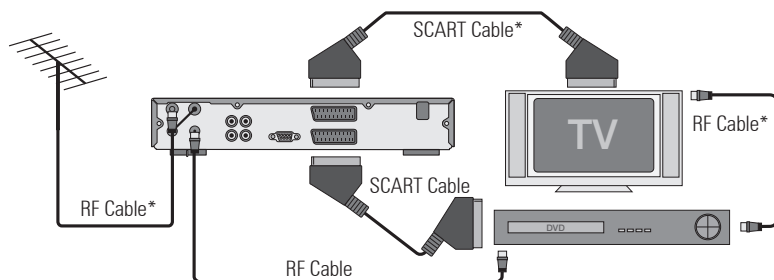
Getting connected

Connecting to the TV with SCART

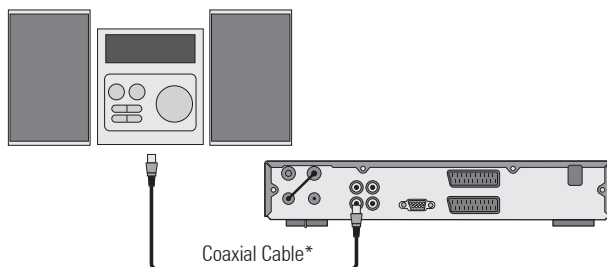


Other connections

Connecting to the TV and DVD recorder with SCART



Connecting a Hi-Fi system

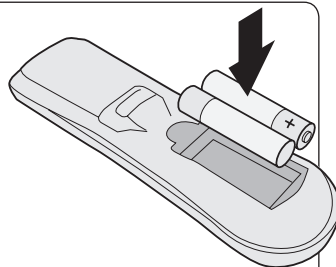


* Not included in the box

1

Install batteries in remote

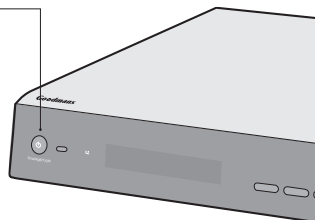
Remove the battery cover by sliding it in the direction of the arrow. Insert two size AAA batteries so that the '+' and '-' marks on the batteries match the '+' and '-' marks inside the unit. Replace the battery cover.



2

Plug in and switch on

Insert the Digital TV Recorder mains plug into a mains socket. The standby light on the front should come on. Switch your TV on.



3

The Easy install screen

The first time installation screen will appear on screen. Select the aspect ratio (screen size), using ► (the right arrow button) to move between the options: 16:9 and 4:3. 16:9 should be selected for widescreen TVs and 4:3 for standard format TVs.

Press **OK**. The Digital TV Recorder will automatically begin to tune.

The scan progress screen will be displayed, showing you how many channels have been found and saved. The tuning will take several minutes to complete. When the search is complete, your Digital TV Recorder is ready to use. The programme at the top of the channel list will be shown on your TV when the search is complete.



As with most of your electrical goods, there'll be functions you use everyday, and others that you need only occasionally. We've separated these out for you to get you using your Digital TV Recorder as quickly as possible.

We suggest you read this section carefully, then use the other sections to dip in to whenever you need some extra details or some guidance for settings.

Introducing the EPG

The Electronic Programme Guide, or EPG, is an on-screen TV guide. It shows all scheduled programmes eight days in advance for every tuned channel. Press the GUIDE button on the remote control to access the EPG.



You can use the ▲▼ buttons to select a channel. Press **OK** to switch to the selected channel, the EPG will close automatically.

Press the blue button to move to the next day's schedule and the yellow button to move to the previous.

Your EPG also contains digital radio channels. These are usually saved to the higher numbers, starting around channel 700.

You can view the EPG as a Timeline, as shown above, or as a Schedule. To switch between the two views, press **SETUP**.

The Schedule mode EPG shows the programmes for the selected channel in list form. Use ▲▼ to move through the scheduled programmes. Use ◀▶ to change the day or **CH+** and **CH-** to show the schedule for a different channel.

Changing the channel

You can select the channel you want to watch by using the **CH+** and **CH-** buttons on the remote control.

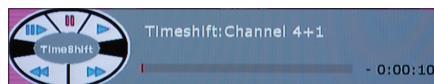
Alternatively use the number buttons to key in the channel number.

When you change the channel the Info bar will be displayed for a few seconds. This shows details of the currently showing and the next programme for the selected channel.

Pausing live TV

This feature is called Timeshift and is great if you've just settled down to your favourite show when the phone rings. It's just like pausing a DVD.

Just press the **PAUSE** button. When you're ready to continue watching, simply press **PLAY** and the programme will begin again from where you left off.



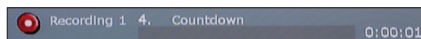
You can also fast forward, fast rewind, skip forward and skip back through the programme using **⏮**, **⏭**, **⏮**, **⏭**, pause playback using **⏸** and view the programme in slow motion by pressing **SLOW**.

To cancel Timeshift, for example at the end of the programme you paused, simply press **STOP**, select **Yes** and press **OK**. You'll be returned to live programming and the Timeshift function will stop recording.

Recording a programme

You can record the channel you are watching, and then switch over to watch another channel.

Simply press the **REC** button once. There is no need to press any other buttons to record the programme currently showing. After a moment the Digital Recorder will automatically begin recording.



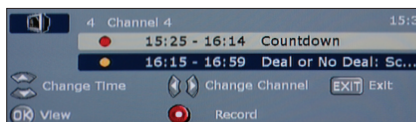
If recording has been started manually using the **REC** button, it will automatically stop at the end of the programme. To continue recording the next programme press the **REC** button a second time, a third time for the programme after that and so on.

DON'T FORGET! Some of your digital channels are radio stations – you can pause and record radio shows too. Select the radio programme to record in exactly the same way as you would a TV programme.

Recording two programmes at the same time

When you've started recording one channel, select a second channel you wish to record.

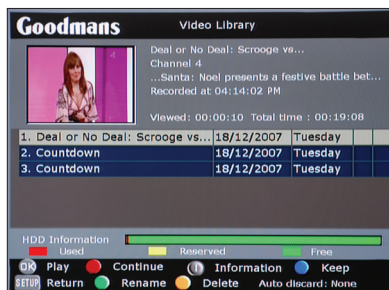
Press the **REC** button. After a moment the Digital Recorder will begin to record the selected channel. When you are recording two channels simultaneously, you cannot switch to a third channel. You will only be able to view either of the channels you are recording.



To stop recording press the **STOP** button. Select the channel you want to stop recording using **▲▼** and press **OK**.

Playing back programmes you've recorded

- 1 To view a list of all the programmes you have recorded press **PLAY**. The Video Library will open.



- 2 Use **▲▼** to scroll to highlight a programme. Each colour button on the remote control relates to an action.

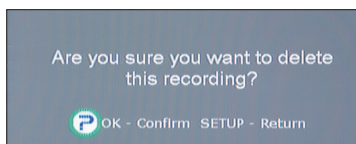
- 3 Press the **OK** button to commence playback from the start of the recording, or press the **RED** button to continue viewing from the last viewed point.
- 4 Press **STOP** to finish playback and return to the Video Library.

During playback:

Press **▶▶** repeatedly to cycle through the available fast forward speeds or press **◀◀** to cycle through the fast rewind speeds. Press **SLOW** repeatedly to cycle through and select a slow motion speed.

Deleting a programme you've recorded

- 1 Press **PLAY** to open the Video Library.
- 2 Use **▲▼** to highlight the programme you want to delete.
- 3 Press the yellow button to delete the selected programme.
- 4 Press **OK** to confirm.



- 5 To exit the Video Library press **SETUP**.

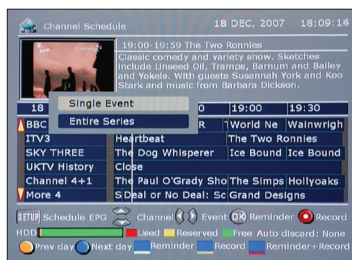
Recording a future programme

You can set up your Digital TV Recorder to record programs up to a week in advance.

When a programme starts, the broadcaster transmits a start tag to tell the Digital TV Recorder to start recording. An end tag is transmitted at the end of the programme to signal to the Digital TV Recorder to stop recording.

DON'T FORGET! Occasionally, the start tag may be transmitted a few seconds or minutes late causing the start of the programme to be missed. This is not a fault with the Digital TV Recorder.

- 1 Press the **GUIDE** button.
- 2 Scroll to the programme you wish to record using **▲▼** to scroll through the channels and **◀▶** to move through the scheduled programmes.
- 3 When the programme is highlighted press **REC**.
- 4 Select **Single Event**.



- 5 Press **OK**.
- 6 A yellow line will appear under the programmes that are set to record.

Recording a series

You can set up your Digital TV Recorder to record every episode within a series, as long as the series information is provided by the broadcaster.

- 1 Press the **GUIDE** button.
- 2 Scroll to the programme you wish to record using **▲▼** to scroll through the channels and **◀▶** to move through the scheduled programmes.

- 3 When the programme is highlighted press **REC**.
- 4 Select **Entire Series**. Your Digital TV Recorder will always record this programme for you, even if its time changes.



- 5 Press **OK**.
- 6 A yellow line will appear under the programmes which are set to record.

See page 12 for details on how to set a reminder.

Setting a reminder

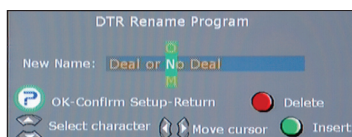
You can set your TV to remind you when a programme you want to watch is about to start.

- 1 Press **GUIDE**.
- 2 Scroll to the programme you want to be reminded about using the arrow buttons.
- 3 Press **OK**.
- 4 Select whether to be reminded as a **Single Event**, or if the programme is part of a series select **Entire Series** to be reminded when each episode is on.
- 5 Press **OK**.
- 6 Press **GUIDE** to return to the channel you were watching.
- 7 When the programme begins, a pop-up will appear on screen asking you if you want to switch to the programme. Choose **Yes**, **No** or **Postpone 2 minutes**. Choose **YES** to change channels immediately, **NO** to cancel the reminder and **POSTPONE 2 MINUTES** to postpone the reminder for 2 minutes. If you don't make a selection within 15 seconds the Digital TV Recorder will automatically change channel to show the programme.

Renaming a recording

You can rename your recorded programmes to make them easier for you to categorise and find.

- 1 Press **PLAY**.
- 2 Use **▲▼** to scroll to the recording you want to rename.
- 3 Press the green button.
- 4 Use **▲▼** to scroll between the characters and **◀▶** to move to the next character.



- 5 Press the green button to insert a new character.
- 6 Press the red button to delete the one highlighted.
- 7 When you have finished changing the name, press **OK**.

Deleting a channel

You can edit your channel list and delete all the channels you don't watch.

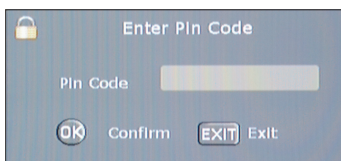
- 1 Press **CH. LIST**.
- 2 Scroll to the channel you would like to delete.
- 3 Press the yellow button.
- 4 The channel will be immediately deleted.

DON'T FORGET! You can re-scan your Digital TV Recorder to retrieve channels you have deleted. See **Re-scanning for new channels** on page 15.

Locking a channel

You can lock channels to protect children from watching programmes which aren't suitable. A locked channel will request a pin code before it can be viewed.

- 1 Press **CH.LIST**.
- 2 Scroll to the channel you want to lock.
- 3 Press the blue button.
- 4 Enter your pin code. The default code is 888888.



- 5 Press **OK**. The channel is now locked and a padlock icon will appear next to it.

DON'T FORGET! You can change your pin code. See **Changing your pin code** on page 14.

Unlocking a channel

- 1 Press **CH. LIST**.
- 2 Scroll to the channel you want to unlock – any with a padlock icon next to it.



- 3 Press the blue button.
- 4 Enter your pin code. The default code is 888888.
- 5 Press **OK**. The channel is now unlocked.

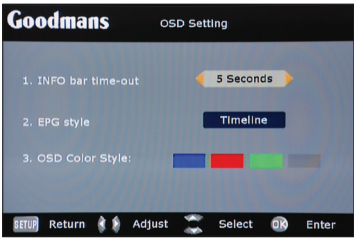
Changing your pin code

- 1 Press **SETUP**.
- 2 Select **System Setting** then **Factory Reset**.
- 3 Choose **Change Pin Code**.
- 4 Enter your old pin code.
- 5 Enter your new pin code. Verify your new pin code by entering it again in the third box.
- 6 Press **OK**.



Changing the on-screen display

- 1 Press **SETUP**.
- 2 Select **System Setting** followed by **OSD Setting**.



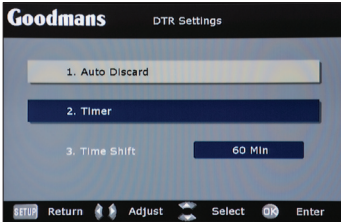
- 3 There are three settings which you can alter:

INFO bar time-out	Choose the amount of time the Info bar will be displayed when you change the channel.
EPG style	Choose to view the EPG as a timeline or as a schedule.
OSD Colour style	Select a background colour for your on-screen display.

- 4 Press **SETUP** to exit.

Changing the recording settings

- 1 Press **SETUP**.
- 2 Select **System Setting** then **DTR Setting**.



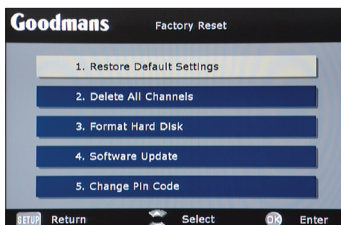
- 3 There are three settings which you can alter:

Auto Discard	Here you can set your TV Recorder to automatically delete recordings when there is not enough space to record a new one. Choose None , Oldest , Shortest or Biggest .
Timer	View all the timed recordings you have programmed. Scroll to any you want to delete and press OK .
Time shift	Choose an amount of time after which recording will automatically stop when you've paused live TV.

- 4 Press **SETUP** to exit.

Resetting the Digital TV Recorder to the factory settings

- 1 Press **SETUP**.
- 2 Select **System Setting** then **Factory Setting**.



- 3 There are five options:

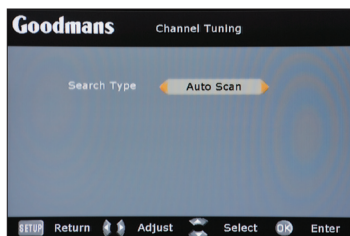
Restore Default Settings	Confirm you want to reset the Digital TV Recorder to the factory default settings. Select Confirm and press OK .
Delete All Channels	Choose Confirm and press OK . All your channels will be deleted. You can always re-scan to retrieve them. See Rescanning for new channels opposite.
Format Hard Disk	Choose Confirm and press OK . Warning: this will delete all recorded programmes.
Software Update	Select Auto and set a time to allow the Recorder to update to new software whenever it is available. Select Manual , highlight Scan and press OK to update immediately to any available new software.
Change Pin Code	See Changing your pin code on page 14.

- 4 Press **SETUP** to exit.

Retuning for new channels

When the digital switchover happens in your area, your Digital TV Recorder may show that it has no signal. You'll need to re-tune. Similarly, if new Freeview channels are added, you'll need to re-tune your Digital TV Recorder to receive them.

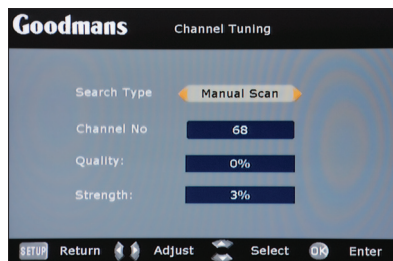
- 1 Press **SETUP**.
- 2 Select **System Setting** then **Channel Setting**.
- 3 Choose **Channel Tuning** and select **Auto Scan**.



- 4 Press **OK**. Your Digital TV Recorder will wipe and then re-scan for channels.

Manually scanning for channels

We recommend that only advanced users scan for channels manually. The UHF channel number will need to be entered before scanning.



Please note indoor aerial are not recommended for use with this product (this includes loft aerials) otherwise you may experience problems with reception or picture break ups on some channels.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Ensure that you are capable of receiving Digital TV
No picture or sound	Tuned to digital teletext channel	Switch to another channel
Scrambled channel message	Channel is scrambled	Channel - This DTR is not able to decode scrambled channels
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Remote batteries exhausted	Plug in and turn on plug Aim remote at front panel Check for obstructions Replace remote batteries
Forgotten PIN code		Contact the helpline
You have moved your TV and you find you are no longer able to receive digital channels	The aerial feed maybe sent through a distribution system can may reduce the digital signal now received by the box	Try a direct feed from the aerial
Timeshift will not start	Your DTR is recording	Stop the current recording and then press the pause button again to resume timeshift

Hard disk	• GHD1621F2 160GB • GHD2521F2 250GB
Tuner and channel	• RF input connector (IEC-TYPE, IEC169-2, female) • RF output connector (IEC-TYPE, IEC169-2, male (loopthrough)) • Frequency range: 470MHz ~862MHz (UHF) • Signal level: -20 ~ -78.5 dBm
Decoder • Transport stream • Profile level • Input rate • Video format • Audio format • Video output	MPEG-2 ISO/IEC 13818 MAX. 15Mbit/s MPEG-2 Main profile @main level 4:3/16:9 Switchable MPEG Layer I & II, 32 / 44.1 / 48KHz RGB, CVBS
Connection • Main power cable • Tuner • Video • Audio • Data port	Fixed type Antenna input, RF loopthrough output Composite video output, twin scart Stereo audio output, digital coaxial audio output RS-232 (for service use only)
Power supply • Input voltage • Power consumption	AC 220-240V ~50/60Hz MAX. 20W/standby 9W

IMPORTANT: Due to continual revision and improvements to our products design, specifications are subject to change without notice.

Electrical information

This Digital TV Recorder is fitted with a BS1363/A 13 amp plug. If it is not suitable for your supply sockets it must be removed and replaced with an appropriate plug. If the plug becomes damaged and/or needs to be replaced please follow the wiring instructions below. The plug removed must be disposed of immediately. It must not be plugged into a supply socket as this will be an electrical hazard. If the fuse needs to be replaced it must be of the same rating and ASTA approved to BS1362. If the plug is changed, a fuse of the appropriate rating must be fitted in the plug, adapter or at the distribution board. If the fuse in a moulded plug is replaced, the fuse cover must be refitted before the appliance can be used.

Wiring Instructions

The supply cable will be either 2-core or 3-core. Follow the appropriate wiring instructions given below. In both cases ensure that the outer sheath of the cable is firmly held by the cable clamp.

2- Core plug

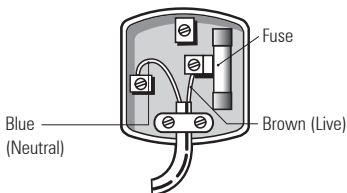
⚠ WARNING: Do not connect either wire to the earth terminal.



This symbol indicates that this 2-core appliance is Class II and does not require an earth connection.

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.



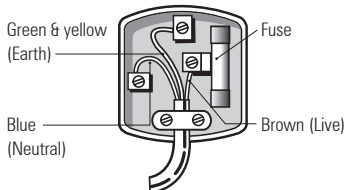
3- Core plug

⚠ WARNING: This appliance must be earthed.

The wire coloured green and yellow must be connected to the terminal marked with the letter E, or by the earth symbol , or coloured green or green and yellow.

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire coloured brown must be connected to the terminal



Warnings

- Unqualified attempts to repair this Digital TV Recorder will invalidate the warranty.
- Refer repairs to this Digital TV Recorder to a qualified service personnel only.
- Do not disassemble this Digital TV Recorder.
- There are dangerous-voltage parts inside that may cause electric shock even after power is disconnected.
- Store your Digital TV Recorder in a clean, dry environment.
- Unplug the Digital TV Recorder immediately it gets wet, and consult a servicing technician.
- Always unplug the Digital TV Recorder before cleaning it.
- Wipe dust off the cabinet of the Digital TV Recorder with clean, dry and soft cloth.
- Do not place any objects on top of the Digital TV Recorder.
- Avoid exposing your Digital TV Recorder directly to sunlight or other heat sources.
- Put your Digital TV Recorder in a well-ventilated area away from high humidity.
- Do not expose this Digital TV Recorder to rain or moisture, dripping or splashing.
- For stubborn stains use a damp (not dripping) cloth.
- Do not use any cleaning solutions on this Digital TV Recorder.

Safety Tips

If smoke, abnormal noise or odour comes out of this Digital TV Recorder, unplug from the mains supply immediately and contact the retailer. Never try to repair the Digital TV Recorder on your own. Always contact the dealer for repairs.

NOTE

This manual contains for-reference-only graphics and information that are subject to change without notice.

WEEE



This appliance is labelled in accordance with European Directive 2002/96/EG concerning used electrical and electronic appliances (waste electrical and electronic equipment - WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU.

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 digital TV recorder in order to continue receiving your existing TV channels, and also to pick up new ones.

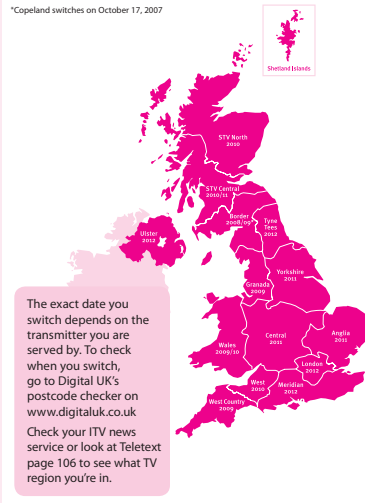
Digital UK, the body leading the digital TV switchover, will advise you when you need to re-tune during the switchover. For re-tuning instruction please see page 15 of this guide.

If you find you can't receive the extra digital channels, it may be because your area is not covered by Freeview yet or that you need an aerial upgrade. Visit **www.digitaluk.co.uk** to check.

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

When does switchover happen?

*Copeland switches on October 17, 2007



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

Goodmans

www.goodmans.co.uk

Rev2-050808