

TVONICS



Digital TV receiver



Crystal
Mark
18395



Clarity approved by
Plain English Campaign

The Crystal Mark logo features a stylized diamond shape composed of a network of lines, representing a crystal structure.

MDR-252
User guide



Important information

Before using your new digital TV receiver, please take a minute to read the following safety information.

- Only use the supplied AC mains adaptor.
- Do not cut off the supplied AC mains adaptor's plug.
- Do not allow the digital TV receiver to get wet.
- Do not use the digital TV receiver in hot, humid or very dusty places.
- Do not place any objects on the digital TV receiver.
- Allow for enough ventilation around the digital TV receiver.
- To clean the digital TV receiver, use a lightly dampened, soft cloth. Do not use any kind of abrasive cloth, sponge or cleaner.
- Do not try to open the digital TV receiver. If the receiver needs repairing, contact the shop where you bought the product.
- To help prevent damage to plasma and LCD screens, switch off your TV when you are not using it.
- As the AC mains adaptor is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet (plug socket). If you notice a problem with the unit, disconnect the main plug from the AC outlet immediately.

Environmental information



Waste Electrical and Electronic Equipment

This symbol on the product or in the instructions means that after you have finished using it, this product is defined as Waste Electrical and Electronic Equipment (WEEE). You must not put this product in your normal bin. You should take it to a suitable WEEE collection centre. If you are buying a new product, the shop you are buying it from will do this for you.

For more information, please contact the local authority or the shop where you bought the product.

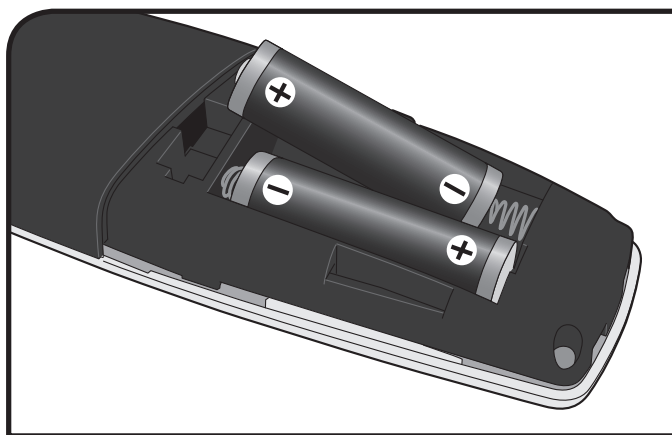
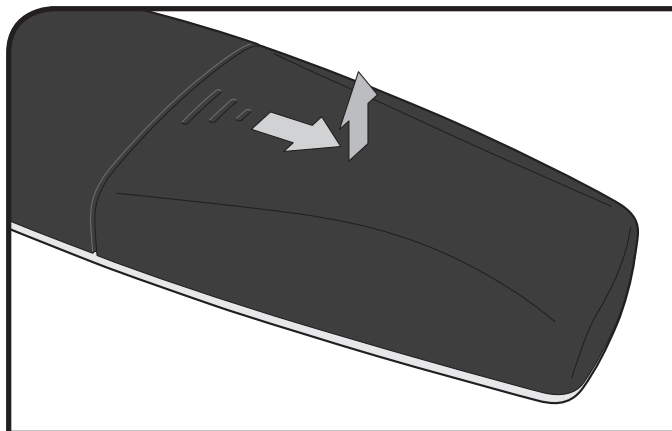
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Package contents



- ① Digital TV receiver
- ② Remote control
- ③ Batteries (2xAA)
- ④ AC mains adaptor
- ⑤ SCART lead
- ⑥ RF lead
- ⑦ User guide
- ⑧ Quick-start guide
- ⑨ How to set up your universal remote control guide

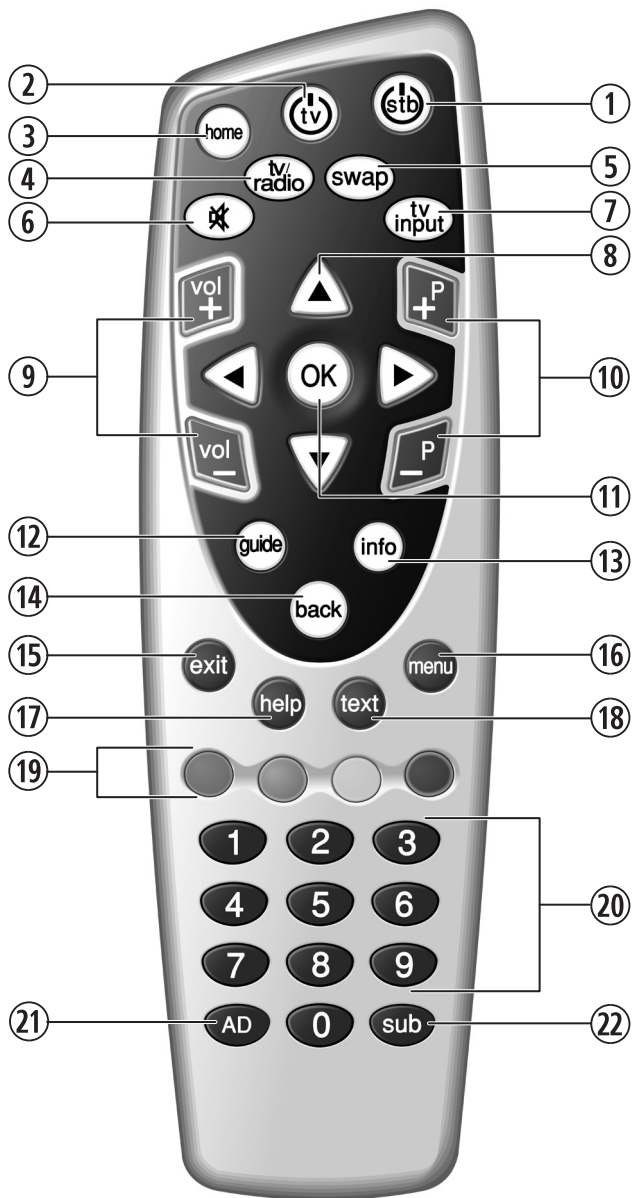
Putting batteries into the remote control



- Remove the battery cover from the remote control.
- Put two AA batteries in the compartment as shown in the diagram. The correct polarity (+ and - symbols) are also shown inside the battery compartment.
- Replace the cover.

Don't forget to get rid of old batteries safely. Check with your local council for how you should get rid of batteries. Never put batteries on a fire or in the bin with normal household waste.

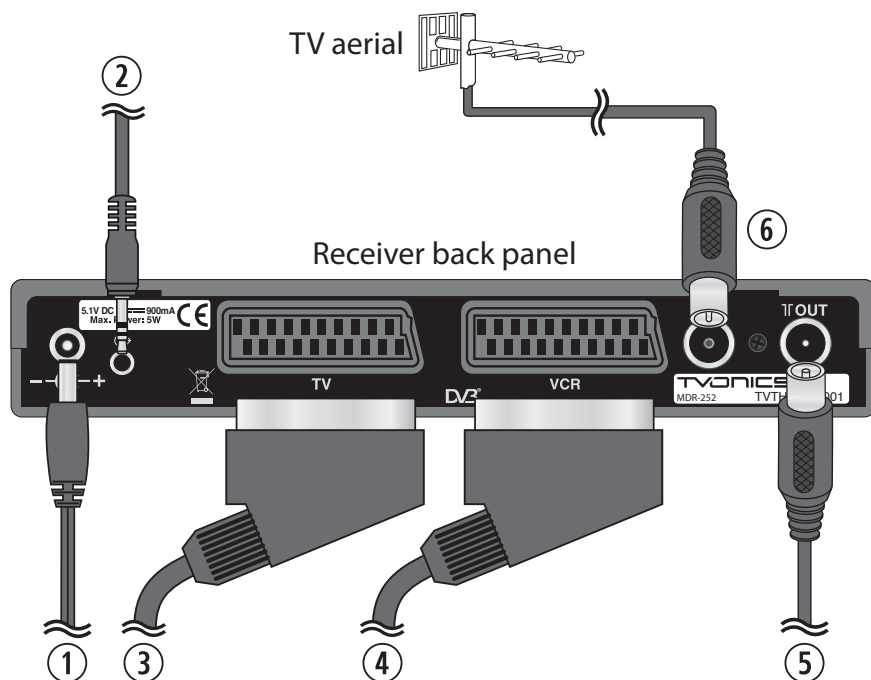
The remote control



To set up the remote control for your TV, please see the 'How to set up your universal remote control' guide that comes with this product.

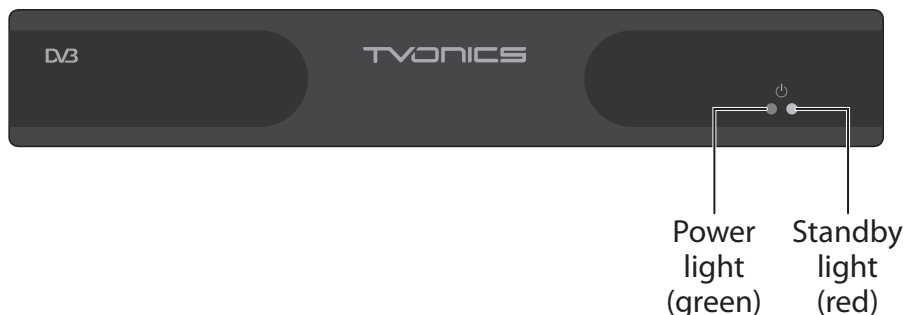
①	[stb]	Switches the digital TV receiver on or into standby
②	[tv]	Switches the TV on or off (if you have programmed it to do this)
③	[home]	Cancels any on-screen menu and returns the digital TV receiver to the first channel stored in the Channel list (usually, BBC One)
④	[tv/radio]	Switches between digital TV and digital radio channels
⑤	[swap]	Switches between the channel you're currently watching and the channel you were previously watching
⑥	[mute]	Turns the sound on or off
⑦	[tv input]	Chooses the TV input source (if you have programmed the remote control to do this)
⑧	[arrow] ▲, ▼, ◀, ▶	Move around the on-screen menus
⑨	[vol +/-]	Increases or reduces the receiver volume. Can also be used to increase or reduce your TV volume (if you have programmed it to do this)
⑩	[P +/-]	Goes up or down the channels
⑪	[OK]	Displays the Channel list and selects options on the on-screen menus (see page 16)
⑫	[guide]	Enters and leaves the Programme guide, also called Electronic Programme Guide (EPG) (see page 18)
⑬	[info]	Displays programme information (see page 17)
⑭	[back]	Goes back to the previous menu screen you were on
⑮	[exit]	Goes out of the menu and goes back to the last programme you were watching
⑯	[menu]	Enters and leaves the menu screen
⑰	[help]	Enters and leaves the Help screen
⑱	[text]	Gives digital teletext (if available)
⑲	[red, green, yellow, blue]	Changes or goes to different options when on the digital teletext pages
⑳	[0-9]	Chooses channels, enters PIN, uses Help pages
㉑	[AD]	Switches Audio Description on or off
㉒	[sub]	Switches Subtitles on or off (if available)

Connecting to a TV



- ① Plug the supplied AC mains adaptor between the power socket on the back panel of the receiver and a standard wall socket. **Only switch on the wall socket when all cables have been attached.** (Do not cut off the supplied AC mains adaptor's plug.)
- ② You can also plug in an audio device such as a Hi-Fi, but we do not supply a cable for this.
- ③ Plug the supplied SCART lead between the TV socket on the back panel of the receiver and the SCART socket on your TV.
- ④ If you are using a video or DVD recorder, plug a SCART lead between the VCR socket on the back panel of the receiver and your video or DVD recorder (SCART lead not supplied). See page 14 for more details.
- ⑤ Plug the supplied RF lead between the RF OUT socket on the back panel of the receiver and your TV, video or DVD recorder.
- ⑥ Plug the aerial lead into the RF IN socket on the back panel of the receiver.

Switching your receiver on



- Switch on your TV.
- Set the TV to the input channel you have connected the receiver to (for example AV1). This may happen automatically. (See your TV manual if you are having trouble with this.)
- Switch on the receiver at the mains.
- The green power light will switch on, which shows that the receiver is ready to use.

If you are turning your receiver on for the first time, the Automatic tuning menu will appear on your TV screen. See page 10 for detailed instructions.

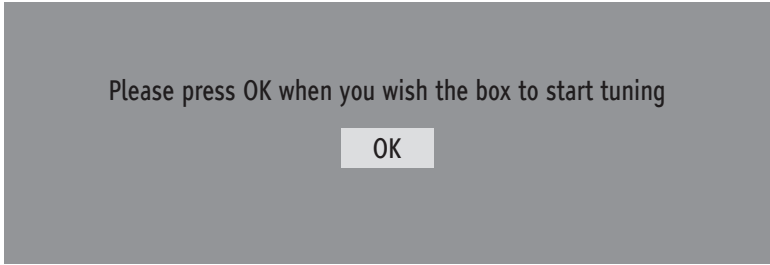
Using standby

When you're not watching TV, you should set the digital TV receiver to standby. Press the **[stb]** button on the remote control and the red standby light will switch on. This shows that the receiver is in standby. To come out of standby just press the **[stb]** button again.

If you don't plan to use the digital TV receiver for a long period, put the receiver in standby and wait 20 seconds before switching it off at the mains. (Don't worry - all of your settings will be saved.)

Automatic tuning

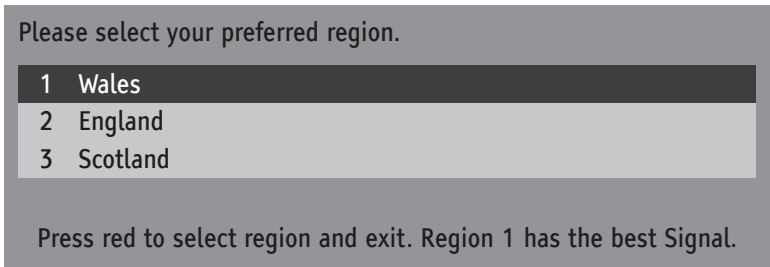
The first time you switch on your digital TV receiver you will see a screen like the one below.



Startup screen

Press the **[OK]** button on the remote control to begin automatic tuning.

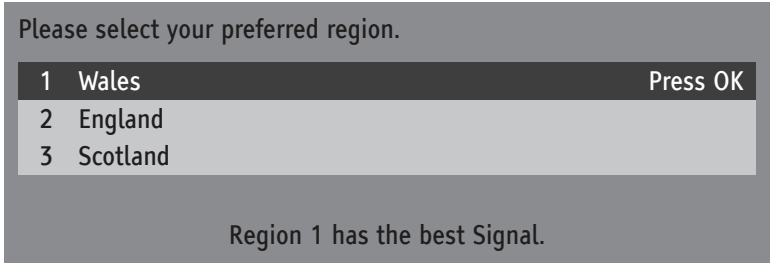
When automatic tuning has finished, you may see a region preference screen as shown below. This list will show the regions that are available to you, with the best-quality signal shown at the top of the list (1).



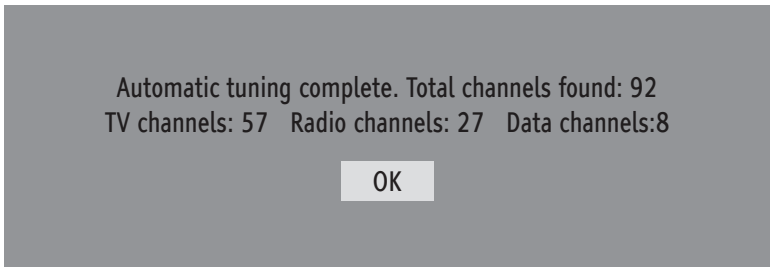
Region preferences screen

More than three regions may be shown in some instances. If you only see two regions in this list or do not see this list at all, it does not mean that your signal is too weak, but that the receiver has chosen the best signals available to you.

If **Press OK** appears next to the region you have chosen, as shown in the screen below, further regional options are available. Press the **[OK]** button to get a list of those options. If **Press OK** does not appear, no other options are available.



Press the **[red]** button to store channels from the region.



Automatic tuning summary screen

Press the **[OK]** button to remove the summary screen and start watching digital TV.

Everyday use

Changing channels

Press **[P+]** or **[P-]** on the remote control to go up or down the channels.

To choose a particular channel

Press one of the **[0-9]** buttons, then press the **[OK]** button. If you do not press the **[OK]** button, the digital TV receiver will change to the channel number you have pressed after about two seconds.

For two- or three-digit channels (10 to 999), press the appropriate **[0-9]** buttons one after the other, then press the **[OK]** button. If you do not press the **[OK]** button, the digital TV receiver will change to the channel you have chosen after about two seconds.

Channel swapping

The **[swap]** button lets you keep an eye on two channels by switching between the current channel and the last channel you watched – so you can swap between the channels.

Home button

The **[home]** button on the remote control will cancel any on-screen menu and return the digital TV receiver to the first channel stored in the channel list (usually, BBC One).

Subtitles

Press the **[sub]** button on the remote control to display Subtitles (if available). Press again to switch off the Subtitles.

Audio Description

Audio Description is a spoken explanation that describes all important information on a programme, such as body language, facial expressions, scenery, action, costumes or anything that helps to describe the plot of the story, event or image.

Audio Description is **not** always available but you can check, in the following way, when it will be available.

To	Press
Switch on Audio Description	[AD] button You will hear one short beep. If AD is available you will hear another two short beeps. If AD is not available, there will be no extra beeps. When you change channel, you will also hear two short beeps if AD is available.
Switch off Audio Description	[AD] button You will hear one long beep.
Check if Audio Description is available	[info] button If Audio Description is available, an [AD] symbol is shown on the information display.

See page 25 to set the Audio Description language and volume.

Screen saver in radio mode

When you are listening to a radio channel, the screen saver will automatically start if you do not press any button for 15 minutes. To remove the screen saver, press any button on the remote control.

Automatic standby

When automatic standby is on, the digital TV receiver will automatically switch to standby if not used for more than 3 hours, to help reduce the amount of electricity it uses. If you are still watching TV at this time, a screen will be shown allowing you to stop the digital TV receiver entering standby. You can switch automatic standby off by going to the Settings option in the Main menu. See page 24 for more details.

Recording TV programmes

To record TV programmes you must first connect a video or DVD recorder to the digital TV receiver (see page 8). Usually you would connect to the AV1 socket on the back of your video or DVD recorder. See your video or DVD recorder manual for more details.

One-touch recording








Select the channel on the digital TV receiver you want to record. Set your video or DVD recorder to the input channel you have connected the receiver to (for example, AV1). See your video or DVD recorder manual for more details. Press record on the remote control of your video or DVD recorder to start recording. When the programme has finished, press stop.

Recording using a timer

If you want to record using a timer, you will need to set a matching timer for your digital TV receiver and your video or DVD recorder. See page 20 for how to set the timer on the digital TV receiver. See the video or DVD recorder manual for how to set that timer.

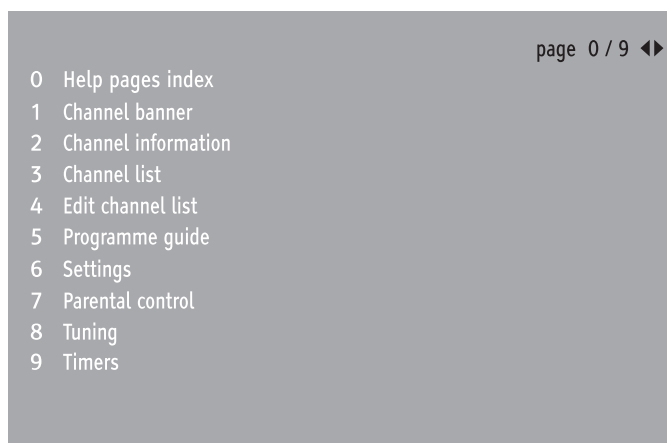
Common on-screen symbols

You may be able to see the following symbols in the Programme guide, Channel list and Info display.

 Locked channel	 Timer has been set
 Radio channel	 Teletext available
 Swap channel	 Hide channel
[S] Subtitles	[AD] Audio Description
 Multilanguage option available (Audio and Subtitle).	

The Help pages

The Help pages give advice and information for many of the features of this digital TV receiver.



The Help pages

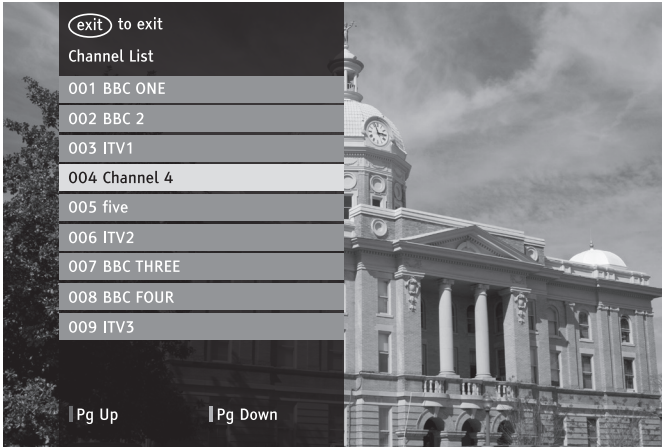
To	Press
Use the Help pages	[help] button
Choose a help topic	[1]-[9] buttons
Return to the index page	[0] button
Leave the Help pages	[help] or [exit] button

And, if you press the **[help]** button while using any of the following, it will take you directly to the relevant Help page.

Channel banner, Channel information, Channel list, Edit channel list, Programme guide, Settings, Parental control, Tuning and Timers.

The Channel list

The Channel list displays all the available channels.

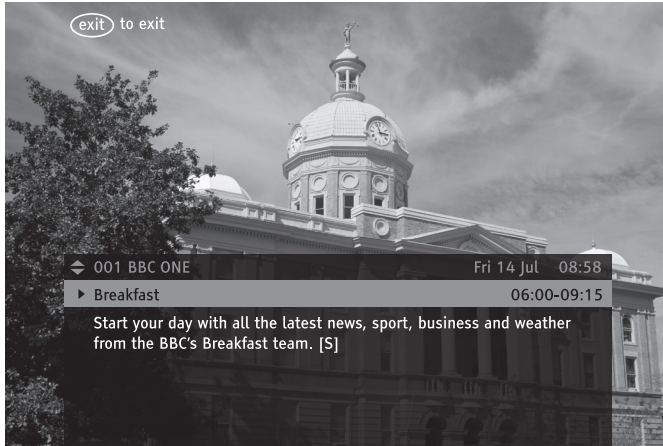


The Channel list

To	Press
Use the Channel list	[OK] button while watching TV
Choose channels	[▲] and [▼] buttons
Display the previous nine channels in the list	[red] button
Display the next nine channels in the list	[green] button
Switch to the channel you have chosen	[OK] button
Leave the Channel list	[exit] or [back] button

The Info display

The Info display gives brief information on the current and future programmes.



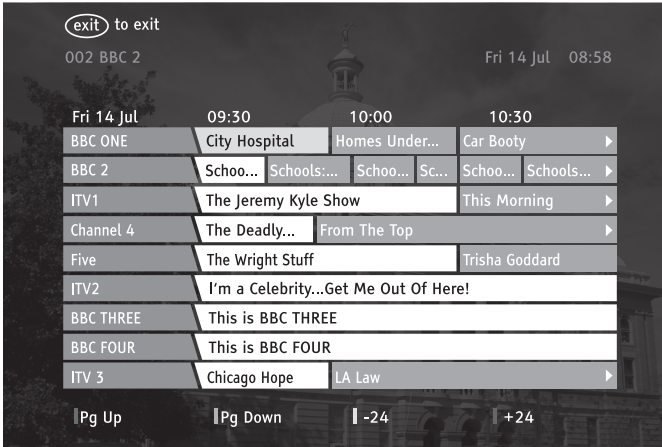
The Info display

To	Press
Use the Info display	[info] button
See information for future and previous programmes	[◀] and [▶] buttons
See information for other channels	[▲] and [▼] buttons
Set a reminder for future programmes	[OK] button while highlighting a future programme
Change the Audio setting	[red] button (if available)
Change the Subtitle setting	[green] button (if available)
Change AD language	[yellow] button (if available)
Leave the Info display	[info] or [exit] button

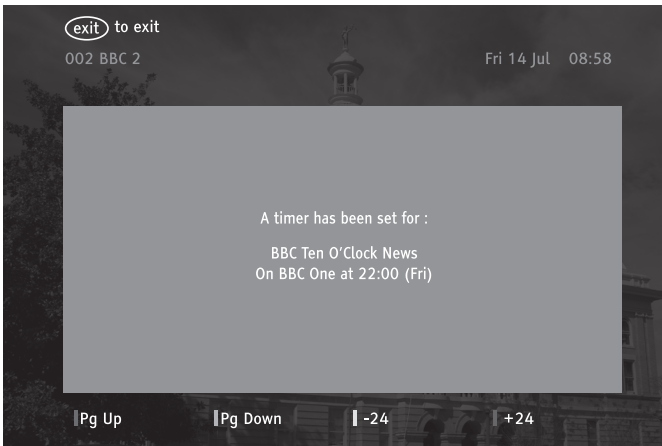
Any changes to the Audio, Subtitle and AD Language settings are temporary and only apply to the current channel you are watching. You can change these options in the Settings menu (see page 23) or the Accessibility settings menu (see page 24).

The Programme guide

The Programme guide shows programme information for the next eight days (if broadcasters provide this information). You can also set timers that will display a chosen programme when it starts.



The Programme guide



Setting a timer

To	Press
Use the Programme guide	[guide] button
Move around the Programme guide	[▲] , [▼] , [◀] and [▶] buttons
Display the previous nine channels in the list	[red] button
Display the next nine channels in the list	[green] button
Move forward four or 24 hours	[blue] button (Press [swap] to switch between four and 24 hours)
Move back four or 24 hours	[yellow] button (Press [swap] to switch between four and 24 hours)
See information on the programme you have chosen	[info] button
Preview a current programme	[OK] button (while highlighting a current programme)
Switch to the current programme you are previewing	[OK] button (while highlighting a currently previewed programme)
Set a timer for a future programme	[OK] button (while highlighting a future programme). The programme appears red in the EPG
Cancel a timer	[OK] button (while highlighting the programme you want)
Leave the Programme guide	[guide] or [exit] button

The Timers screen

The Timers screen shows all the programmes that are currently set to display when they start. You can also set a manual timer and change or cancel an existing timer.



The Timers screen

To	Press
Use the Timers screen	[menu] button and then [1]
Move around the Timers screen	[▲] and [▼] buttons
Manually set a timer	[OK] button (while highlighting an empty timer slot). See below for further information.
Edit a timer	[red] button (while highlighting the required timer slot). See below for further information.
Delete a timer	[green] button (while highlighting the required timer slot)
Leave the Timers screen and return to TV	[menu] or [exit] button

Edit timer		
1	Name	◀ 001 BBC One ▶
2	Start	22:00
3	End	22:30
4	Date	18/06
5	Mode	Once
6	PIN	Not entered

Editing or manually setting a timer

Editing or manually setting a timer

To	Press
Move around the Edit timers screen	[▲] and [▼] buttons
Change the 'name', 'mode' (see note 1 below) and 'PIN' (see note 2 below) settings	[◀] and [▶] buttons
Change the 'start', 'end' and 'date' settings	[0-9] buttons (The number you have chosen is highlighted by [])
Save and leave the Edit timers screen	[OK] button

Note 1

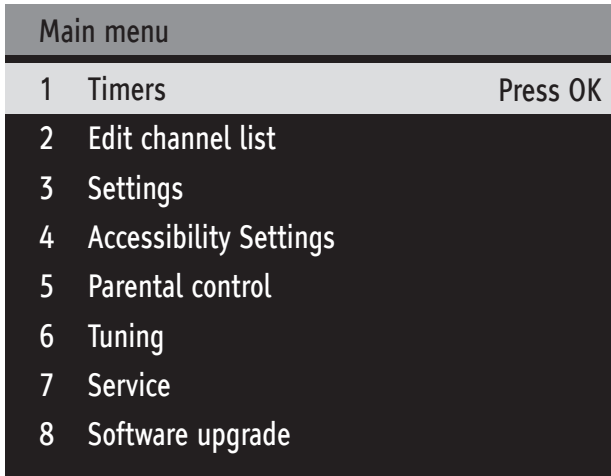
Use 'mode' to set the timer to take place 'once', 'daily' or 'weekly'.

Note 2

When you have set a timer to display a programme on a locked channel, you will need to enter the PIN before the programme is shown. To enter the PIN number, press the [6] button. If you enter your PIN when setting the timer, the programme will be shown automatically.

The Main menu

The menu system lets you choose and change a wide range of your digital TV receiver's features.



The screenshot shows a dark grey menu box with a title bar at the top that says "Main menu". Below the title bar is a list of eight numbered options. The first option, "1 Timers", is highlighted in a lighter grey, and the text "Press OK" is visible to its right. The other options are: "2 Edit channel list", "3 Settings", "4 Accessibility Settings", "5 Parental control", "6 Tuning", "7 Service", and "8 Software upgrade".

Main menu	
1 Timers	Press OK
2 Edit channel list	
3 Settings	
4 Accessibility Settings	
5 Parental control	
6 Tuning	
7 Service	
8 Software upgrade	

The Main menu

To	Press
Use the Main menu	[menu] button
Move around the Main menu	[▲] and [▼] buttons (or, press the corresponding number button to highlight an option)
Choose an option	[OK] button
Select a setting	[◀] and [▶] buttons
Move back to the previous level	[back] button
Leave the Main menu	[menu] or [exit] button

Main menu options

1 Timers menu

This allows you to manage the timers. See page 20 for detailed information.

2 Edit channel list menu

Hide channels

This allows you to hide channels you don't want, so that they do not appear on the Programme guide, Info and Channel list.

Press **[OK]** to choose the channel you want to hide. An 'X' appears next to channels that have been hidden. To show the channels again, highlight them and press **[OK]** to remove the 'X'.

Sort channels

This allows you to rearrange the channel order. Press **[OK]** to choose the channel you want to move. Press **[▲]** or **[▼]** to choose the new position, then press **[OK]** to move the channel.

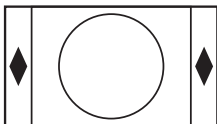
3 Settings menu

Audio

This allows you to set the Audio preference (if available).

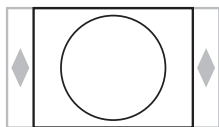
Picture mode

This allows you to switch between widescreen, 4:3 letterbox and 4:3 normal picture.



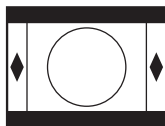
Widescreen

This is the default setting and is best if you have a widescreen TV.



4:3 normal

Choose this option if you do not want to have a black bar at the top and bottom of the screen. Programmes broadcast in widescreen will fill the whole screen but you will lose the left and right edges of the picture.



4:3 letterbox

We recommend you choose this option if you have an older 4:3-format TV. Any programmes broadcast in widescreen will fit onto the screen, but will have a black bar at the top and bottom.

TV out

This allows you to switch the video output between RGB, Y/C and CVBS (TV SCART only). The default setting is RGB which gives you the best picture quality.

If your TV is not compatible with RGB or you are having problems with the picture, switch to CVBS.

If you have a TV that is compatible with Y/C, switch to Y/C.

Loophrough

This allows you to switch off the RF and SCART loophrough to save power. You can select off in standby or always.

Auto standby

This allows the digital TV receiver to switch to standby if not used for more than 3 hours, to help reduce the amount of electricity it uses. We recommend that you set this option to 'on'.

Update messages

From time to time a broadcaster may decide to send messages for your information. This setting allows you to switch this feature on or off.

4 Accessibility settings

Keypress beep

This allows you to switch on the keypress beep. When switched on, you will hear a high-pitched beep every time you press a button.

Audio Description

This allows you to switch AD on or off.

Audio Description volume

This allows you to set the volume you prefer for Audio Description. Select between low, medium or high.

Audio Description language

This allows you to set the AD language you prefer (if available).

Subtitle

This allows you to set your preferred subtitle setting (if available).



5 Parental controls menu

Set PIN

This allows you to change the PIN. The default PIN is 0000.

Lock channels

This allows you to lock channels so they can only be watched once the correct PIN is entered.

Press **[OK]** to choose a channel to lock. A  appears next to channels that have been hidden. To unlock channels, highlight them and press **[OK]** to remove the .

6 Tuning menu

Automatic search

This allows you to automatically tune the receiver to search for any new channels that may have been launched.

When the automatic search has finished, you may see a region-preference screen. This list will show the regions that are available to you, with the best-quality signal shown at the top of the list (1). If you do not see this list at all, it does not mean that your signal is too weak, but that the receiver has chosen the best signals available to you. Please see page 10 for more detailed information.

Manual search

This allows you to manually tune the receiver to search for any new channels that may have been launched.

Use the **[0-9]** buttons to enter an RF channel number then press **[OK]** to search. All channels found are then shown. It will add any new channels it finds when you press **[OK]**.

Both the automatic and manual searches will replace all the channels you are currently tuned into and will delete any timers you have set. You may also lose your parental controls.

7 Service menu

Manufacturer's details

This allows you to check the software and hardware versions running on your digital TV receiver.

Signal strength

This allows you to see the signal strength and transmitter region for each channel. The colour of the bar shows the quality of the signal. If the bar is Green, the signal is good. If the bar is Red or Yellow, the signal may be too weak to get acceptable reception. You can use the **[P+/-]** buttons to move through the channels.

Reset digital TV receiver

This allows you to reset the digital TV receiver. You will be asked to enter your PIN to reset the box. (The default PIN is 0000.)

This will replace all the channels you currently have tuned in and will delete any timers you have set. You may also lose your parental controls.

8 Software upgrade menu

This allows you to search for software updates through your aerial (when available). As updates are handled automatically by your digital TV receiver, we do not recommend that you use this option.

Troubleshooting

If you have a problem with your digital TV receiver which you can't sort out using the table below, put the receiver in standby, then unplug it at the mains. Leave the receiver unplugged for at least one minute before you connect it again to the mains.

Picture

Problem	Possible cause or solution
No picture or distorted picture	<ul style="list-style-type: none">• Check the digital TV receiver is switched on.• Check the aerial is correctly connected to the digital TV receiver.• Check all the connections between the digital TV receiver and the TV.• Check the TV is displaying the correct AV input (see your TV manual).• Check the signal strength (see page 26).
Black and white picture	<ul style="list-style-type: none">• Check the 'TV out' setting (see page 24).

Sound

Problem	Possible cause or solution
No sound	<ul style="list-style-type: none">• Check the TV is not muted.• Check the digital TV receiver is not muted.• Check the TV volume is turned up.• Check the digital TV receiver volume is turned up.• Check the aerial is connected correctly and the digital TV receiver is switched on.• Check all connections between the digital TV receiver and TV, Hi-Fi or surround sound system.• Make sure your remote is set up to control your STB / TV - Refer to the universal remote control setup guide.

Power

Problem	Possible cause or solution
No power	<ul style="list-style-type: none">• Check the supplied power supply is correctly connected and the digital TV receiver is switched on.

Remote control

Problem	Possible cause or solution
Remote control does not work	<ul style="list-style-type: none">• Replace the batteries.• Make sure you are pointing the remote control directly at your receiver and that nothing is in the way.• Make sure that you are less than five metres away from the receiver.• Make sure your remote is set up to control your STB / TV - Refer to the universal remote control setup guide.

Programme guide

Problem	Possible cause or solution
The wrong date is displayed in the Programme guide	<ul style="list-style-type: none">• Put the digital TV receiver in standby, and unplug it from the mains. Leave the unit unplugged for at least one minute before you connect it to the mains again.• If the date is wrong after unplugging the digital TV receiver, this may be due to transmitter maintenance. Please see the following page on the BBC website for information on transmitter maintenance. http://www.bbc.co.uk/reception/transmitters/index.shtml

Specifications

Physical Specifications

Size: (W) 196mm x (D) 89mm x (H) 31mm

Weight: 0.23 kg

Power Requirements

Input Voltage: 5.1V DC (with supplied power supply)

Power Consumption (on): 3W

Power Consumption (standby): ≤1W (0.7W when loophrough is off)

Operating Temperature: +10°C to +40°C

Storage Temperature: -20°C to +60°C

Tuner

RF Input / Output Connectors: 1x IEC (Female) / 1x IEC (Male)

Channel Coverage: UHF (B21 to B68 / 470MHz to 854MHz)

Video Decoder

Video Decoding: MPEG-2 Main Level / Main Profile

Video Formats: 16:9 / 4:3 / 4:3 Letterbox

Video Outputs: RGB, Y/C, CVBS
TV SCART = RGB, Y/C, CVBS
VCR SCART = CVBS

Audio Decoder

Audio Decoding: MPEG-2 Layer 1

Audio Mode: Stereo / Mono

AV Connectors

Video: 2x 21 Pin SCART
TV SCART = RGB, Y/C, CVBS
VCR SCART = CVBS

Audio: 1x 3.5mm Jack (Analogue Stereo)

Supplied Accessories

Remote Control	Remote control setup guide
AA Batteries (2)	AC mains adaptor (output 5.1V DC 900mA)
Quick-Start Guide	SCART Lead
User Guide	RF Lead

Due to continued product improvement, this specification may change without notice. All information correct at time of going to press.

General information

Where to get more help

If you have any problems using your receiver and cannot sort them out using this user guide, contact the supplier.

General enquiries

Freeview

Phone: 08708 80 99 80 (Calls are charged at the national rate.)

Website: www.freeview.co.uk

Help scheme

For an Easy Read version of this user guide.

Website: www.helpscheme.co.uk/en/equipment

Digital UK

Website: www.digitaluk.co.uk/

Digital TV group

Website: www.dtg.org.uk

TVONICS.COM
TVONICS.COM