BUSH
Model: FSAT+500
Cat No: 226/7470

LET'S GET STARTED

YOUR USER GUIDE

BUSH

freesat

WELCOME TO FREESAT

We are so pleased you bought this 500GB Bush Freesat+ HD recorder.

Now you can enjoy:

- Quality state-of-the-art satellite TV receiver
- Over 200 of your favourite channels
- Picture perfect High Definition (selected channels)
- BBC iPlayer, ITV Player
- Pause, Record and Rewind at the touch of a button
- Easy plug and play set up
- Expert customer support - visit Freesat.co.uk or call 0333 321 3200

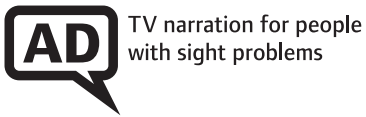
Not included:

- Monthly subscriptions (It's free)
- Lengthy contracts (It's free forever)
- Baffling, complicated technology (It's simple)

IMPORTANT - Please read these instructions fully before installing or using.

These instructions contain important information which will help you get the best from your appliance and ensure safe and correct installation, use and maintenance.

For any help concerning set up and use of your Digital Set Top Box please call the Freesat Helpline: 0333 321 3200







Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



Safety Information

IMPORTANT - Please read these instructions fully before installation

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings; install in accordance with the instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Mains plug is used as the disconnect device; the disconnect device shall remain readily operable.
15. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains,etc.
16. No naked flame sources, such as lighted candles, should be placed on the apparatus.
17. Attention should be drawn to the environmental aspects of battery disposal.
18. The use of apparatus in moderate climate.
19. The apparatus shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on the apparatus.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

WARNING: The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

This symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

CAUTION: Under the influence of electrostatic phenomenon, the product may malfunction and require the user to reset the power.

This marking indicates that this product should not be disposed with other household waste throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

Do not throw batteries in the bin or on a fire. Make sure that you dispose of batteries safely at a local recycling centre. You can also recycle batteries at many supermarkets.

ELECTRICAL SAFETY

Your receiver is supplied with an external 100V - 240V AC, 50Hz power supply that connects by 12V DC plug to the receiver and by UK mains plug adapter to the mains. Always connect the 12V DC plug to the receiver before connecting the mains plug.

If the mains plug breaks or becomes damaged, do not use it. Do not cut or open the adapter, as this will expose you to dangerous high voltages present inside. The adapter is non-serviceable and does not have any replaceable parts inside. If the power supply is damaged, it must be replaced by the manufacturer, its service agent, or suitably qualified persons in order to avoid a hazard.

To reduce the risk of electric shock, do not remove screws from the receiver or open it as it contains no user- serviceable parts. Please leave all maintenance work to qualified personnel.

CONTENTS

1 In The Box 7
Your receiver 8
Remote control 10

2 Preparation 12
The satellite dish 12
Connecting your receiver 12
Switching on 14
Tuning in 14

3 Everyday Use 17
Turning on the receiver 17
Changing channels 17
Changing the volume 18
Browsing bar 18
Subtitles and Audio Description (AD) 19
Using the channel list 20
Regional channels 20
Using the programme guide 21
Interactive TV services 23
Pausing live TV 23
Recording a programme 25
Using the library 26
Playing a recorded programme 28

4 Advanced Use 29
The lock PIN 29
Display mode 30
TV/DTV 30
Changing the channel list 30
Using the favourite channel lists 31
Manual timer recording 31
Using the menu system 32
Setup menu 33
General menu section 33
- Subtitles 33
- Subtitle language 33
- Auto standby 33
- HDCP 33
Picture menu section 34
- Screen type 34
- Display mode 34
- HDMI resolution 34
- Scart mode 34
Sound menu section 35
- Audio language 35
- Audio description 35
- Dolby digital 35
- Lip-sync delay 35

continued...

CONTENTS

4 Advanced Use (continued...)

Record menu section 35
- Default rec mode 36
- Add to start of rec 36
- Add to end of rec 36
- Live pause length 36
- Skip forwards time 36
- Skip backwards time 36
- Auto disk management 37
- Format hard disk drive 37

System menu section 37
- Freesat installation 37
- Add non-Freesat channels 37
- Network configuration 37
- Parental guidance 37
- Hide adult channels 38
- Lock online content 38
- Change parental pin 38
- Software update via oad 38
- Software update via usb 38
- Check for software update 38
- Restore factory default 38

Information menu 38

5 On Demand TV 39

Setting up for On Demand TV 39
Watching On Demand TV 40

6 Non-Freesat Channels 41

Tuning in non-Freesat channels 41
Watching non-Freesat channels 42
Pausing and recording non-Freesat channels 43

Appendix A Troubleshooting 44
Appendix B Specifications 46

1 In The Box

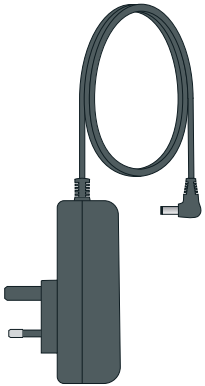
In your Bush Freesat+ receiver pack you should find the following items:



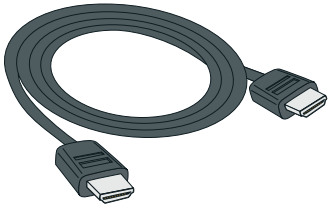
Quick Start Guide



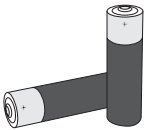
Main User Guide



Power supply



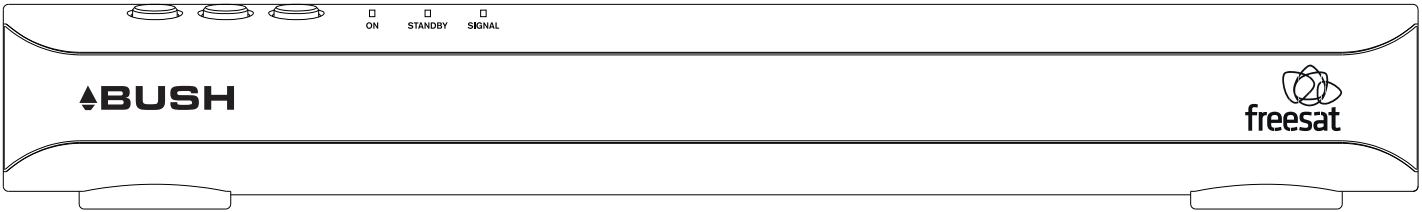
HDMI cable to connect to an HD-ready TV



Batteries for the remote control



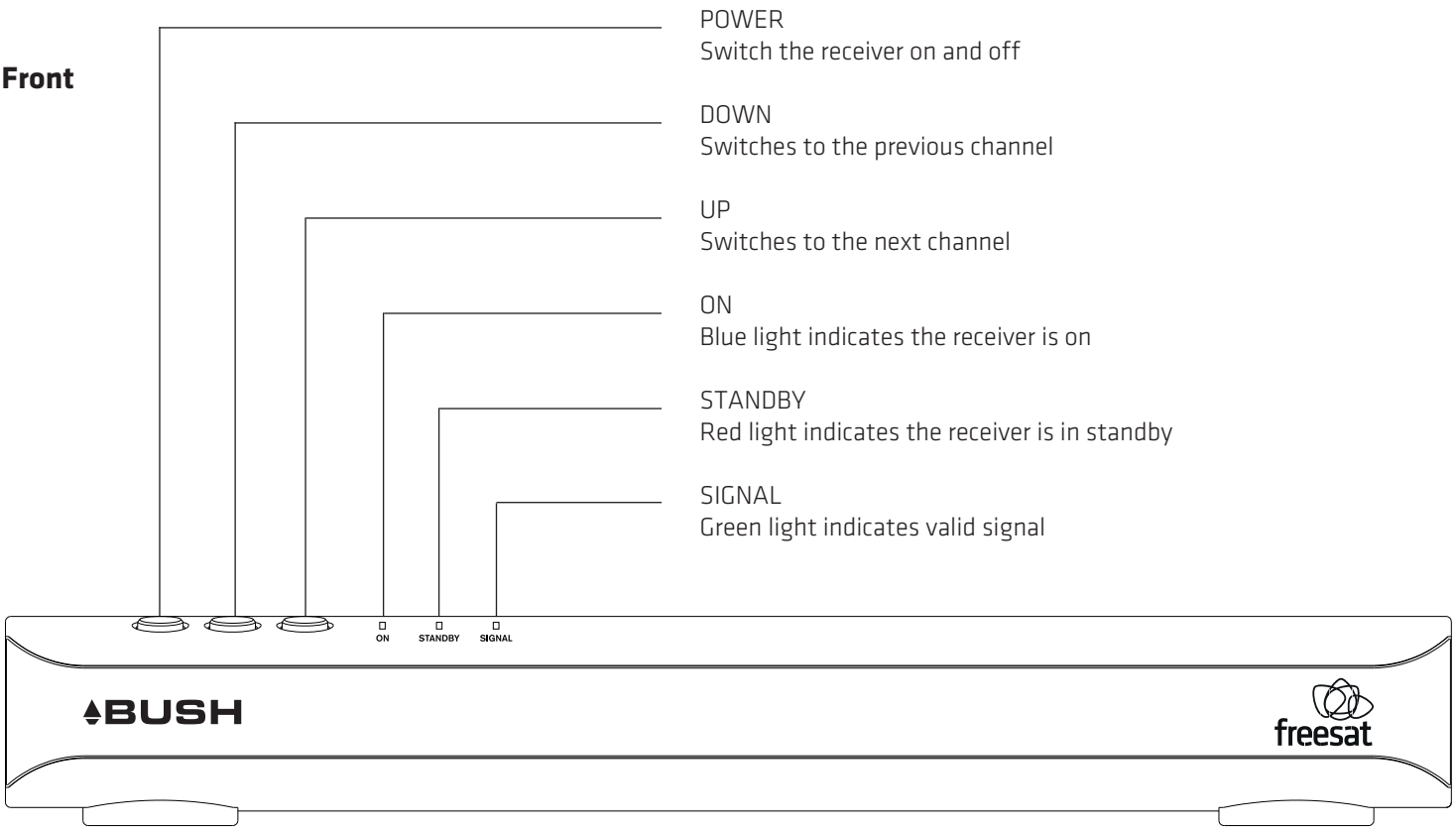
Remote control



Bush Freesat+ receiver

YOUR RECEIVER

Front

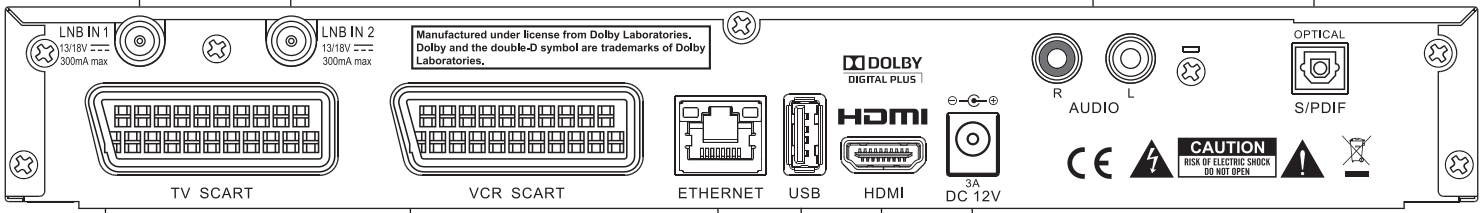


Rear

LNB IN 1, LNB IN 2
Two inputs for connection to the satellite dish

L and R AUDIO
Stereo audio output for connection to an analogue audio system

S/PDIF
Optical audio output for connection to a digital audio system



TV SCART
Output for connection to a non-HD television

VCR SCART
Output/input for connection to video recorder or DVD recorder

DC 12v
Connection for the power supply unit

HDMI
Output for connection to an HD-ready television

USB
Socket for upgrading the receiver's software

ETHERNET
Network socket for connecting to the Internet

REMOTE CONTROL

Use the remote control within a maximum distance from the front of the receiver of 5m and within an angle of 60°. Ensure there is a clear line of sight between the remote control and the receiver. The operating distance may vary depending on the brightness of the room.



Power - switches the receiver on and off.

Mute - silences the receiver's sound.

1 ␣., 0, 1 ... 9 - enter channel numbers, numeric values in the set-up menus or a jump point in playback. Also enters your postcode during the installation process.

VOL +
VOL – Turns the volume up and down.

CH ^
CH ˇ Switches to the next or previous channel. Moves one page up or down in the channel list and programme guide.

EXIT Exits a menu and returns to normal TV viewing.

Red, green, yellow, blue –Chooses options within menus.

GUIDE Displays the programme guide.

i Displays channel and programme information.

 Up, down, left, right - move the highlight bar in menus and in the programme guide, and allow you to browse the channels and programmes.

OK Selects the highlighted option in a menu.

LIB Displays the list of programmes already recorded and set to be recorded.

BACK Exits a menu and returns to the previous menu.

Winds backwards or forwards through a recording being played. Moves through the programme guide in 2 hour steps.

Stops playback of a recorded programme. Returns to live TV from paused live TV.

Pauses live TV. Starts and stops playback of a recorded programme or paused live TV.

Jumps backwards or forwards through a recording being played. Moves through the programme guide in 24 hour steps.

R Records the selected programme.

MENU Displays the main menu screen.

★ Selects favourite channels sequentially whilst watching TV and adds favourite channels to the channel list.

LIST Displays the channel list.

MODE Switches between available screen display modes.

Switches back to the last channel watched.

TV/DTV Switches the TV SCART output between Freesat and the TV's tuner.

AD Displays the available audio menu used to change between different soundtracks (such as languages and audio description).

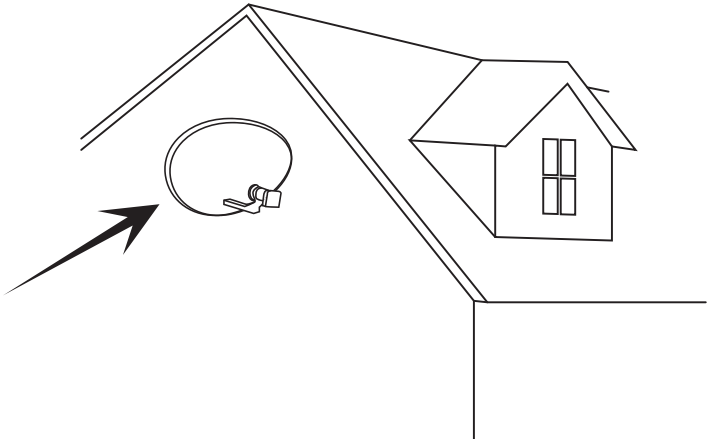
SUB Displays the subtitles menu used to select subtitles.

TEXT Displays interactive and digital text services (where available).

2 Preparation

This section explains how to set up your Bush receiver to receive Freesat channels.

THE SATELLITE DISH

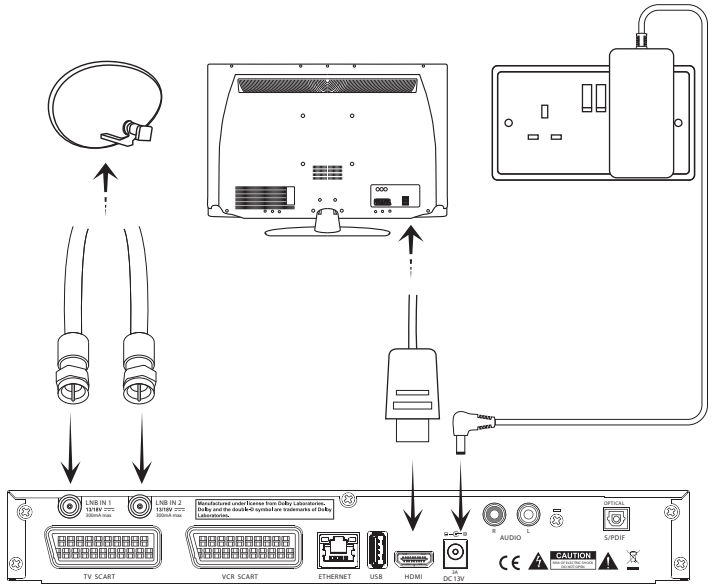


To receive Freesat, you must connect your receiver to an appropriate satellite dish, fixed in position and accurately pointed at the 28.2° East satellite position.

For safety reasons and to provide reliable reception, we strongly recommend that you have your dish installed by a professional. You may be able to use a satellite dish already installed at your home. If you have any questions about the dish, please consult your installer.

CONNECTING YOUR RECEIVER

Place your receiver on a firm, level surface close to the television, a mains electricity socket, and the cables from the dish. (See page 3 – Safety.)



Connect the two cables (or one double cable) from your dish to the LNB IN 1 and LNB IN 2 sockets at the back of the receiver (if the dish cables are fitted with a wall socket inside your home, you will need connecting cables, which you can get from your installer). It does not matter which of the two cables from the dish is connected to which LNB IN socket.

HINT: Each "F-connector" used for the satellite dish cable connections has a central wire that is inserted into the hole in the LNB IN socket while the collar is screwed onto the socket. When screwing on the collar, make sure that the central wire goes into the socket hole and is not bent to one side.

Turn off your television at its mains socket and connect the HDMI cable supplied between the HDMI socket at the back of your receiver and an HDMI socket on your television. There may be more than one HDMI socket on your television. If you are not sure which to use, check the television's manual.

HINT: If your television has no HDMI socket, then it must be connected to the receiver by SCART cable, and you will not be able to watch Freesat channels in High Definition.

Connect the +12V DC connector to the 3A DC 12V connector at the back of the receiver. Then connect the Power Supply Unit (unit with 3 pin mains plug) to an available mains socket that is turned off.

You may have other equipment, such as a DVD recorder or surround sound system, to connect to the receiver.

A video recorder or DVD recorder may be connected to your receiver to make permanent archive recordings of Freesat programmes. You will need to connect a SCART cable between the VCR SCART socket on the back of the receiver and a SCART socket on the video or DVD recorder. Check the recorder's manual for guidance.

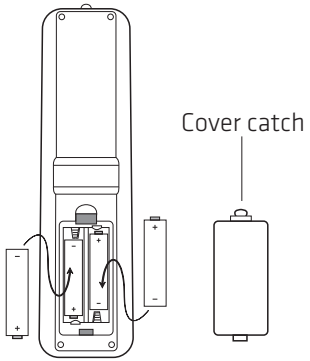
You can listen to the sound from your Bush receiver through a stereo or surround sound system. For digital sound, connect an optical lead from the sound system's S/PDIF socket to the one on the receiver. For analogue sound, connect a suitable lead between the receiver's L and R AUDIO sockets and the L and R audio inputs on the sound system.

To watch On Demand TV services including BBC iPlayer and ITV Player, the receiver must be connected to your internet router or hub using an ethernet cable (not supplied). Plug one end of the ethernet cable into the ETHERNET socket at the back of the receiver, and the other into your hub or router. Make sure the connections are fully pushed in - you'll hear a click as they lock into place. Consult your router or hub's documentation for further guidance.

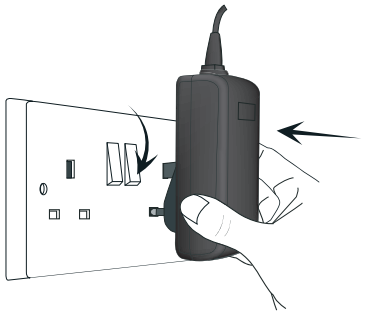
If your receiver is not located near your hub or router, you could use HomePlug powerline adapters to extend your home network using the ring main of your house. Another option is to use a Wireless Ethernet Bridge to bridge the Ethernet socket of the Bush receiver to wi-fi, enabling it to connect wirelessly to your home network. For more information, please consult with your installer or retailer. If you require support for these devices, you will need to contact the manufacturer. The receiver does not support USB Wi-Fi dongles.

SWITCHING ON

Remove the battery compartment cover from the back of the remote control by lifting the cover catch. Insert the two AAA batteries supplied, as shown on the inside of the compartment. Replace the compartment cover.



Turn on your television at its mains socket, then if necessary bring it out of standby and choose the HDMI input (see your television's manual for guidance). Switch on the mains socket that the receiver is connected to.



After a few seconds, the receiver's first Freesat installation screen will appear on the television screen:



HINT: If you do not see this screen on your television, see 'Troubleshooting' on page 44.

TUNING IN

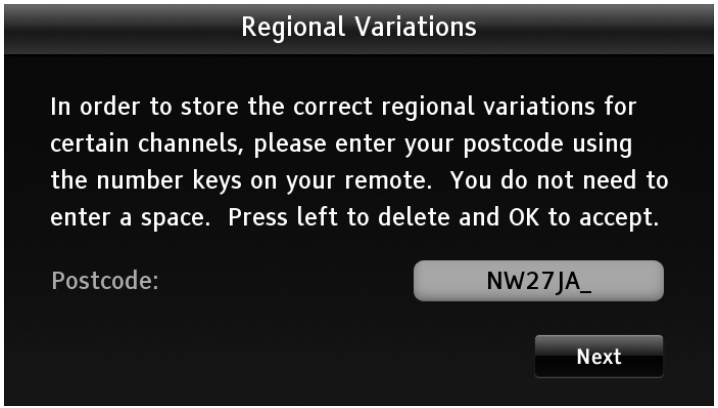
When the first installation screen is displayed, use the ❮ or ❯ buttons to select between 16:9 Widescreen or the squarer 4:3 Traditional as the screen format of your television. Then press the OK button or the ❯❯ button to highlight the HDMI Resolution selection box, and use the ❮ or ❯ buttons to select the correct resolution for your television. You should set the HDMI resolution to the highest that your television can display (see your television's manual). If in doubt, set the resolution to 720p.

Press OK or ⌄ to highlight the "Next" box and then press OK to display the next installation screen. If after doing this you lose the picture on your screen press BACK to return to the first installation screen using the default resolution of 720p (supported by all HDTVs).



The signal check screen shows the strength and quality of the Freesat signal received from your satellite dish. The signal lock is successful if both LNB inputs are receiving a valid signal. If the second input is not receiving a valid signal, you will be able to proceed with installation but recording functions of the receiver will not work correctly and a warning message will display. If the first input is not receiving a valid signal, the signal lock will fail and you will not be able to proceed. Check the satellite dish connections at the back of the receiver (switch the receiver off and reconnect the cables if necessary). If the connections are OK, consult your retailer or installer.

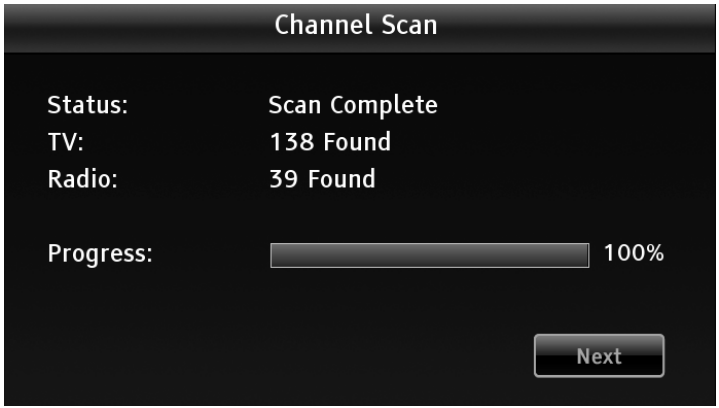
When the signal lock shows "Successful", you can continue to tune in the receiver. Press OK to proceed.



Enter your postcode using the number buttons on the remote control. You do not need to enter a space. Press the OK button when you have entered your postcode, and then press OK again to proceed.

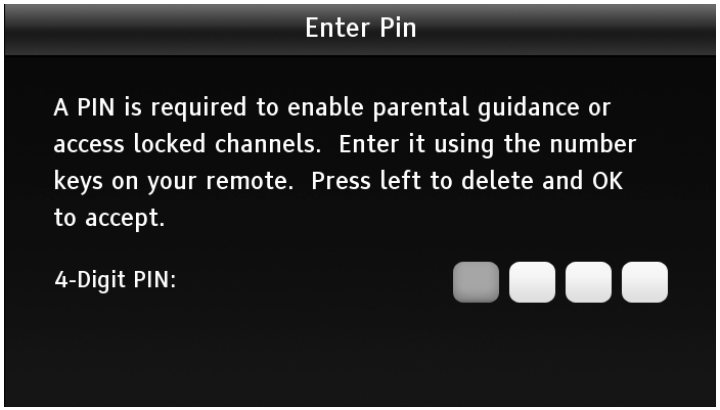
HINT: Enter your postcode with the number buttons by pressing the correct button on the remote a number of times to produce the required letter (printed on each button), or number, in the same way as 'texting' with a mobile phone. For example, for an 'S', you would press the 7PQRS button four times. If you make a mistake, the ⟨ button deletes the last character entered.

TUNING IN (continued)



Your receiver will take a couple of minutes to automatically find and store the available Freesat channels. The number of Freesat TV and radio channels found is shown on the screen as the scan proceeds, along with an indication of how far the scan has to go. When the scan is complete, press the OK button to proceed.

To use the parental guidance function, locked channels & online content, hidden adult channels or restore to factory default, you need to create a PIN. Enter your choice of PIN by pressing the required number button (0, 1 ... 9) for each of the four PIN digits, then press OK to proceed.



The setup completion screen confirms the lock PIN you have set. Press the OK button and your Bush receiver is now ready for you to watch Freesat digital TV.

HINT: When new Freesat channels are introduced, your receiver is automatically updated and you do not need to retune.

3 Everyday Use

This section describes the day-to-day use of your receiver – how to select the channels that you want to watch, view the programme schedules, pause live TV and record and playback programmes.

TURNING ON THE RECEIVER

When the receiver is in standby the ⏻ symbol on the front panel is illuminated red. To turn it on, press the ⏻ button on the remote control or on the front panel of the receiver. The power symbol and ring around it become illuminated blue when the receiver is on.

You can turn off the receiver, so it goes into standby, by pressing the ⏻ button on the remote control or the ⏻ button on the receiver. The receiver uses less power when in standby.

HINT: You should leave the receiver plugged in with the socket switched on, at all times (except when there is lightning – see page 3). When you are not using the receiver, put it in standby by pressing the ⏻ button on the remote control or the ⏻ button on the front of the receiver.

HINT: The receiver will automatically switch to standby if it is not used for a long time. This feature can be disabled – see the Advanced Use section of this guide.

CHANGING CHANNELS

Step through the channels by pressing the CH ^ CH ⌄ buttons on the remote control. Pressing the CH ^ button will select the next channel in the channel list. Pressing the CH ⌄ button will select the previous channel in the list.

If you know the channel's number, you can switch directly to the channel you want by using the number buttons on the remote control. As you enter a channel number, each digit appears at the top left of the screen to show the number button you have pressed. All the Freesat channel numbers have three digits and the first channel is 101. The radio stations are stored from channel number 700.



Press the ↻ button to switch from the channel you are currently watching to the channel you were watching before.

HINT: There are some channel numbers missing in the channel list because spaces are left for future channels to join Freesat.

HINT: If you enter a number that does not exist, the channel will not change.

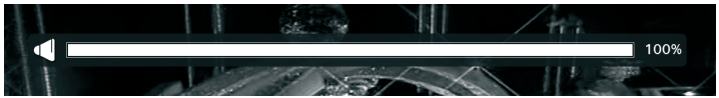
CHANGING CHANNELS (continued)

There are other ways to change channel:

- Use the browsing bar at the bottom of the screen (see below)
- Use the on-screen channel list (see page 20)
- Use the programme guide (see page 21)

CHANGING THE VOLUME

You can increase or decrease the volume by using the VOL + VOL – buttons on the remote control. The sound is silenced by pressing the button and restored to its previous level by pressing the button again.

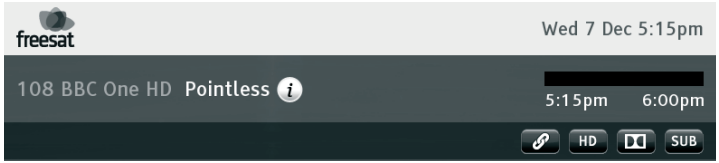


BROWSING BAR

Whenever you change channel, the receiver briefly displays a browsing bar at the bottom of the screen that contains information about the current channel and programme. You can press the i button at any time to display the bar again.

The browsing bar shows:

- the name and number of the channel
- the name of the programme you are watching
- the start and finish time of the programme
- the progress through the programme
- the date and time



HINT: You can also display the browsing bar by pressing ^ or v on the remote control while you are watching TV.

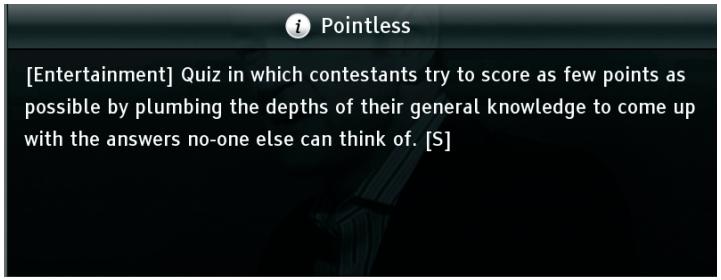
At the bottom left of the browsing bar these symbols are displayed to indicate:

- the channel is locked (see the Advanced Use section)
- R the programme is being recorded
- a reminder has been set for the programme
- HD an HD version is available on another channel (press the i button for further details)

At the bottom right of the browsing bar symbols are displayed to indicate:

- SUB Subtitles are available
- AD Audio Description is available
- Dolby Digital audio is available
- G Parental guidance is advised as the programme contains language or scenes that may not be suitable for children (press i for further details).
- HD The programme is in High Definition
- The programme is one of a series

Whilst the browsing bar is displayed, press i again to display more information about the selected programme, including a short summary and further details on the parental guidance and/or the HD version available, if applicable. Pressing the i button once more removes the extra information from the screen.



To remove the bar from the screen at anytime, press BACK or EXIT.

Whilst the bar is displayed, press the ^ or v buttons to see what is on another channel. To change to this channel, press OK while the bar is still displayed. You can also press the > button to see details of the programmes coming up in the next 12 hours on the channel currently displayed, and the < button to go back again.

SUBTITLES AND AUDIO DESCRIPTION

Many Freesat programmes are broadcast with subtitles for people who are deaf or hard of hearing. Channels with subtitles available show the SUB symbol in the browsing bar.

If you want to turn on subtitles, first display the subtitles menu by pressing the SUB button and then use the ^ and v buttons to highlight the subtitles required and press OK. To turn off subtitles, select "Off" from the subtitles menu and press OK.



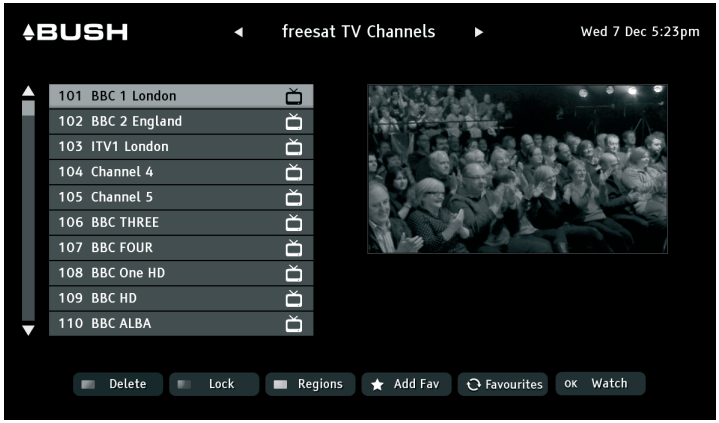
Some programmes have an extra soundtrack to tell people who are blind or partially sighted what is happening on screen. Channels with this audio description available show the AD symbol in the browsing bar.

To turn on audio description, press the AD button to display the available audio menu and then select "English Audio Description".

HINT: Once turned on, subtitles and audio description remain on for all channels until turned off.

USING THE CHANNEL LIST

Display the on-screen channel list by pressing the LIST button on the remote control. This lists the channels on the left-hand side of the screen, in number order, and displays a preview window of the currently selected channel on the right-hand side of the screen. You can return to watching TV at any time by pressing the EXIT button.



HINT: You can also display the channel list by pressing the OK button while watching TV.

Use the ^ or v buttons on the remote control to highlight a channel then press OK to view it in the preview window. Press OK again to exit the channel list and watch the channel full-screen.

HINT: Move a page at a time through the channel list by using the CH v and CH ^ buttons.

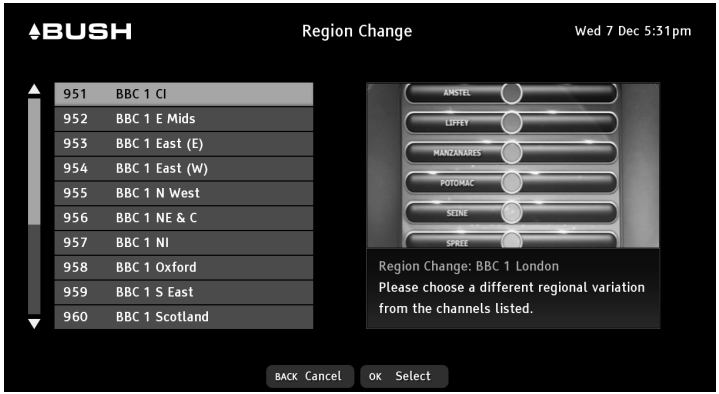
TV and radio channels are stored in separate lists. Switch between the TV and radio channel lists by pressing the < or > buttons. The name of the list is displayed at the top of the screen. In addition, a symbol next to each channel distinguishes the TV channels (📺) from radio stations (📻).

REGIONAL CHANNELS

With Freesat, some channels, such as BBC1, broadcast regional variations of their channels. The initial regional variation is chosen according to the postcode that you entered when you installed the Bush receiver.

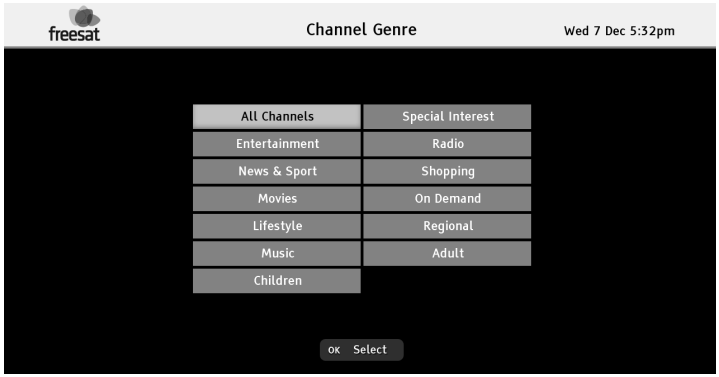
You can change to a different regional variation of a channel by pressing the yellow button while the channel is highlighted. The prompt to use the yellow button will only be displayed at the bottom of the screen if a choice of regions is available.

Choose the region that you want from the list by moving the highlight bar through the list with the ^ and v buttons and then pressing OK, or press BACK to leave the region setting unchanged.



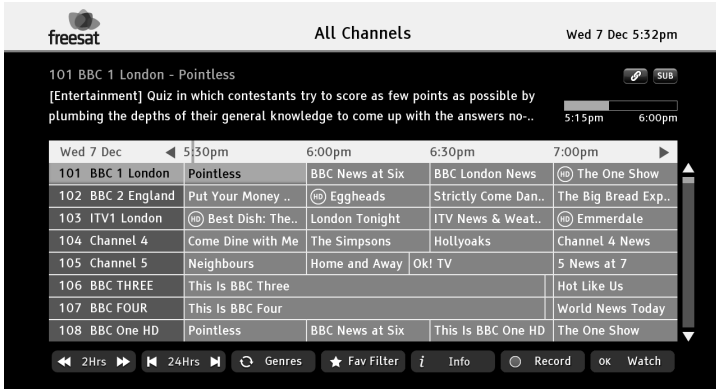
USING THE PROGRAMME GUIDE

The Bush receiver programme guide displays details of all programmes showing on Freesat channels for the next week ahead.



To access the guide, press the GUIDE button on the remote control. Choose the section of the guide you want to look at – either all channels or a specific channel genre – by pressing the ∧, ∨, 〈 or 〉 buttons to highlight the section, and then OK to select it.

HINT: You can skip the genre choice stage by pressing the GUIDE button a second time, to jump straight to the programme guide for all of the channels.



The programme guide shows a table of the programmes, with each page showing eight channels over a two-hour period. Information on the highlighted programme is shown above the table and you can read a full summary by pressing the i button. Press BACK or i again to remove the summary box.

USING THE PROGRAMME GUIDE (continued)

The current date and time is displayed at the top right of the screen and an orange line at the top of the table shows the present time in the schedule.

You look through the scheduled programmes using the ^ and v buttons to move through the channels and the < and > buttons to highlight programmes showing at different times.

HINT: You can jump through the list more quickly using the ▶▶ and ◀◀ buttons to move the highlight bar through the schedule two hours forward or back, and the ▶▮ and ▮◀ buttons to move a day forward or back. Use the CH ^ and CH v buttons to move through the channels a page at a time.

As you move the highlight bar through the schedule, the programme summary shown above the list changes to reflect the programme highlighted.

Press OK to switch the receiver to the channel and programme highlighted. If the programme is on at the time, the receiver will switch to that channel immediately. If the programme is scheduled for later on, a reminder is set so that when the programme is about to start, a message is displayed on-screen and, after a few seconds, the receiver automatically switches to the relevant channel. In the programme guide a ⏲ symbol is shown next to a programme with a reminder set.

HINT: Programmes in standard definition that are also available on another channel in HD are labelled in the schedules with an HD symbol. You can see the time and channel that the HD version is broadcast by highlighting the programme and pressing i.

6:00pm	6:30pm	7:00pm ▶
BBC News at Six	BBC London News	HD The One Show
HD Eggheads	⏲ Strictly Come ..	The Big Bread Exp..
London Tonight	ITV News & Weat..	HD Emmerdale
The Simpsons	Hollyoaks	Channel 4 News

You can cancel a reminder by highlighting the programme in the programme guide and pressing OK again.

You can set as many reminders as you want but if you try to set a reminder on one channel for the same time as one you have already set on another channel, a warning is displayed on the screen and you are given the choice to cancel one of the reminders.

HINT: You can also set, and reset, reminders for programmes from the browsing bar – press OK when a future programme is displayed in the browsing bar and a reminder will be set for that programme or, if a reminder is already set (and shown by the ⏲ symbol in the browsing bar), the reminder will be removed.

Press (R) to record the programme highlighted. If the programme is on at the time, the receiver will record the remainder of the programme. If the programme is scheduled for later on, the receiver will automatically record the whole programme when it is broadcast (see Recording a Programme on P25).



Leave the programme guide and return to watching TV by pressing BACK or EXIT.

INTERACTIVE TV SERVICES

Several Freesat channels broadcast a range of digital text and interactive services, such as news, weather, games, sports information and video, alongside normal TV. You can use the interactive options by pressing TEXT or the red button while watching the TV channel. This will display a menu of the services available.



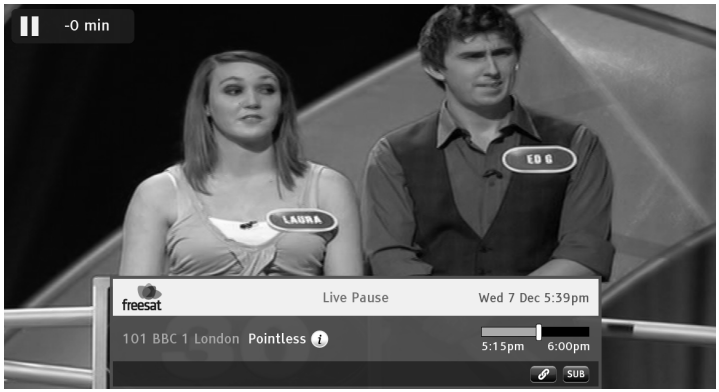
When you have finished with the interactive services, return to watching normal TV by pressing TEXT again or the EXIT button.

PAUSING LIVE TV

With the receiver, you can pause live TV to, say, answer the phone, and then later carry on watching from where you left off. You can even rewind a live programme to watch a section again. Please note that to use live pause you must wait 10 seconds after changing channel or stopping playback of a recording.

While watching live TV, press the ⏯ button to pause the programme. In the top left corner of the screen the pause symbol appears and the pause counter shows the length of time the programme has been paused – how many minutes your viewing is behind live TV. "Live Pause" is shown in the browsing bar and the progress bar shows both the portion of the programme you have watched (in orange) and the length of paused programme that remains to watch in red.

PAUSING LIVE TV (continued)



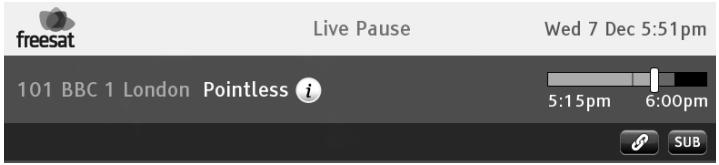
When you want to continue watching TV, press ⏯ again to restart your viewing from where you left off. You can now press ⏩ or ⏭ to skip any parts of the programme that do not interest you, to catch up with the live programme, and/or press ⏪ or ⏮ to review any sections of the programme again.

Each time that you press the ⏪ or ⏩ button, the rewind or fast forward speed increases – to 2x, 4x, 8x, 16x, 32x and 64x normal speed. If you press the ⏪ or ⏩ button while the programme is paused, it will advance or rewind in slow motion, changing to 1/8x, 1/4x, 1/2x normal speed with each press.

HINT: As well as the pause time, the pause counter at the top left of the screen shows the current playback mode – paused, play, fast forward, etc – and the current speed of rewind or fast forward.

Pressing the ⏭ or ⏮ buttons skips forwards or backwards through the paused programme. You can set the length of the skip from 10 to 60 seconds in the "Record" section of the Setup menu (see the Advanced Use section). The default is to skip forwards 30 seconds and backwards 10 seconds, which makes it easy to skip adverts. Press ⏹ while watching a paused programme to return to watching live TV.

You can also rewind live TV without first pausing it, by pressing the ⏪ button and then pressing ⏭ when you have reached the part of the programme that you want to see again. You can only rewind as far back as the last channel change or to the limit of the live pause length. A thin red line on the progress bar shows how far back you can rewind the programme.



HINT: You can set the limit of the live pause length up to two hours (see the Advanced Use section).

HINT: When you change channel, the continuously stored broadcast is deleted, so you cannot rewind to watch either the old channel or the new channel, before the channel change took place.

RECORDING A PROGRAMME

There are two ways to record a programme to watch later – either record a programme that is on at the time, or set the timer to automatically record a programme later.

To record the programme you are currently watching, press the R button. Recording will start immediately and the browsing bar will be displayed with the R symbol in the bottom left hand corner. Once a recording has been started, you can change channel to watch another programme and the recording will continue. You can also start to watch a recorded programme before the recording has finished.



You can stop the recording of a programme by pressing the R button while the browsing bar is displaying that programme's details (and the R symbol). Press i or R if the bar is not already on-screen.

You can also start and stop recording a channel from the browsing bar, while watching another channel. When the browsing bar is displaying the channel you want to record, press the R button to start the recording (if that channel is not being recorded) or to stop the recording (if that channel is being recorded and the R symbol is displayed).

HINT: The receiver can record a programme from one channel while you are watching another or record programmes on two different channels at the same time. If you try to record a third programme or watch a third channel, the receiver will display a warning and options of the actions you can take (eg to stop recording one of the programmes so you can watch the third channel).

To record a programme that will be broadcast in the future, either highlight the programme in the programme guide or use the browsing bar to display that programme's details, and press the R button.

If the programme is part of a series (indicated with a symbol in the browsing bar and in the programme guide full summary), you will be given the option of setting the receiver to automatically record future episodes of the series as well - highlight the option you want and press OK. Programmes set to series link record display an S symbol instead of an R symbol.



RECORDING A PROGRAMME (continued)

If you choose to record a programme in Standard Definition, which is also available in HD (indicated in the browsing bar and in the programme guide with a HD symbol), you will be given the option to record the HD version instead - highlight the version you want and press OK.



Both the programme guide and browsing bar displays R next to any programme set to record just once, and S next to any programme set to series link record.



To cancel a scheduled recording, highlight the programme in the programme guide or display that programme's details in the browsing bar, and press the R button. You can also cancel a scheduled recording using the library schedule list (see below).

HINT: You can set the receiver to record a programme that is not in the programme guide (one that is on a non-Freesat channel or far into the future) using the manual recording menu (see the Advanced Use section)

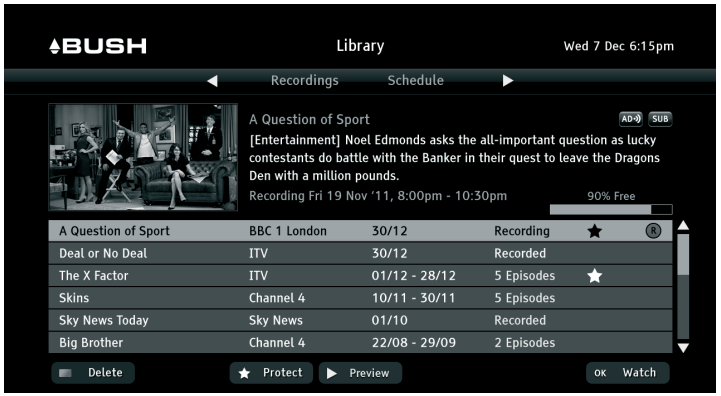
USING THE LIBRARY

You can see a list of recordings scheduled for the future, and programmes already recorded and ready for playback in the library. Open the library by pressing the LIB button (or selecting the library item in the main menu).

The recordings list shows all the recordings currently stored by the receiver, listed with the name of the programme, the channel, the date on which the recording was made, and its status – recorded, viewed, or still recording. There may be symbols next to each entry in the list to show:

- ★ the recording is protected against quick or automatic deletion
- 🔗 the recording is one of a series
- R the programme is still being recorded

A series of recordings (with the same title and recorded from the same channel, but at different times or on different days) are grouped together as a single entry in the list, with a label showing the number of episodes within the group. If you highlight a group of recordings and press OK the group is expanded on a new screen, with each individual episode listed. Press BACK to return to the main list.

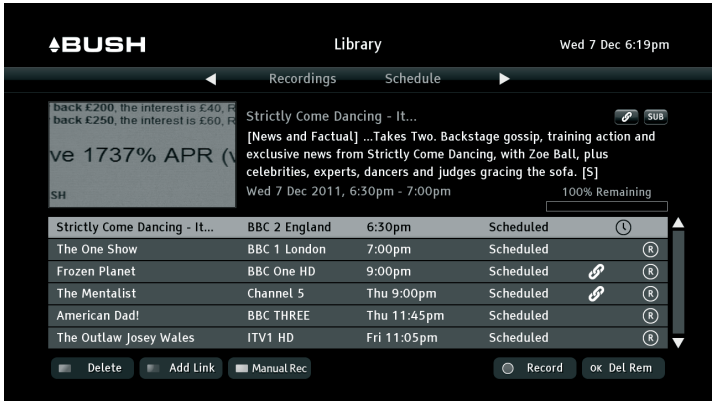


The preview window at the top of the screen continues to show the channel you were tuned to before opening the library screen. Above the recordings list is shown the space free for further recordings.

The panel at the top of the screen shows details of the recording highlighted, including the symbols seen in the browsing bar. You can highlight the different recordings listed using the ^ and v buttons.

A highlighted recording (or group) may be deleted (press the red button) to make room for new recordings once it has been watched. You can protect a recording (press the ★ button) to prevent automatic deletion if the receiver runs out of recording space, or accidental deletion with the red button (as an on-screen confirmation is then required for deletion).

If you press ⏯ the highlighted recording begins playback in the preview window at the top of the screen and a ▶ symbol is shown next to the programme name. While a recording is being previewed, you can continue to browse the other recordings in the recordings list. Press ■ to stop preview playback and return the preview window to live TV.



The library schedule list shows all programmes with a reminder set or scheduled to be recorded. You can open the library by pressing the LIB button (or selecting the library item in the main menu) and then display the schedule list by pressing the < or > buttons.

The scheduled programmes are listed with the name of the programme, the channel, the day on which the recording or reminder will occur, and symbols to show:

★ the recorded programme will be protected from deletion
🔗 the recording is one of a series that will all be recorded
🕒 the programme is set for a reminder
Ⓡ the programme is set to be recorded

USING THE LIBRARY (continued)

Details of the programme highlighted, including the symbols seen in the browsing bar, are shown at the top of the screen. You can highlight the different scheduled programmes in the list using the ^ and v buttons.

Pressing the R button will set or reset the highlighted programme for recording. Pressing OK will set or reset the highlighted programme for a reminder. If you reset a programme for both recording and reminder, it will be deleted from the schedule list. You can also press the red button to delete the highlighted programme from the schedule list (an on-screen confirmation is required). Once a programme has been deleted from the schedule list, a reminder will not be given and the programme will not be recorded.

Press the green button to change a single recording to a series recording (shown by the 🔗 symbol) – this episode and all successive episodes of the series will be automatically recorded. Pressing the green button with a series recording highlighted will change it to a single recording and further episodes will not be recorded.

PLAYING A RECORDED PROGRAMME

To watch a recorded programme, open the library, by pressing LIB, highlight the recording you want to view and press OK.

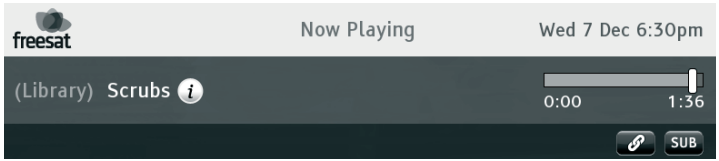
If you have started to watch the recording before, you will be asked if you want to carry on viewing from where you left it, or start viewing from the beginning. Select the option required and press OK.

During playback of a recording, the browsing bar shows 'Now Playing' and the progress bar shows playback progress through the programme in orange. The whole progress bar shows the entire length of the scheduled recording with the portion recorded but not yet viewed in red. The playback counter at the top left of the screen shows the playback time elapsed from the beginning of the recording.

HINT: If you start to watch a recorded programme before recording has finished, the end of the red portion shows the point in the programme currently being broadcast and recorded.

While watching playback, you can use the browsing bar as usual, to see what programmes are being broadcast or coming up on any channel, and to set reminders or recordings.

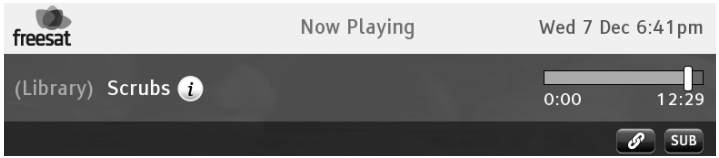
You can fast forward or rewind through the recording with the ⏩ and ⏪ buttons. Each time that you press the ⏪ or ⏩ button, the rewind or fast forward speed increases – to 2x, 4x, 8x, 16x, 32x and 64x normal speed. If you press the ⏪ or ⏩ button while playback is paused, it will advance or rewind in slow motion, changing to 1/8x, 1/4x, 1/2x normal speed.



HINT: As well as the playback time, the playback counter at the top left of the screen shows the current playback mode – play, fast forward, rewind, and so on – and the current speed of rewind or fast forward.

Pressing the ▶▶| or |◀◀ buttons skips forwards or backwards through the recording. You can set the length of the skip from 10 to 60 seconds in the "Record" section of the Setup menu (see the Advanced Use section).

To skip to a particular point in the recording, press OK and the playback counter will change to allow you to use the number buttons to enter the time you want to skip to in hours and minutes (H:MM). Press OK once you've entered a time and BACK or EXIT to cancel.



You can temporarily halt playback by pressing the ▶II button, or stop playback and return to the library by pressing ■.

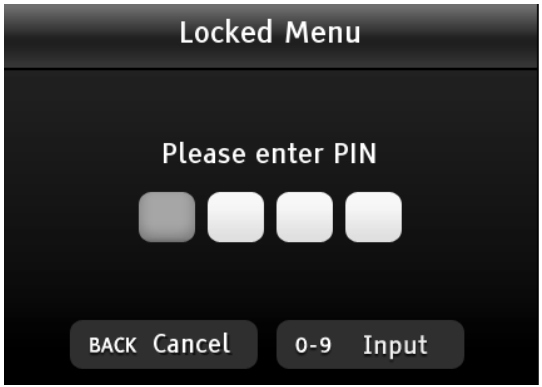
4 Advanced Use

This section explains how to get the most out of your Bush Freesat+ receiver.

THE LOCK PIN

Some of the receiver's menu functions can be locked to avoid accidental changes to the receiver's setup, and you can lock particular channels to prevent other family members, such as children, from watching them.

To use a locked menu function or watch a locked channel, you need to enter the four-digit PIN that you set when you first installed the receiver. You can change the lock PIN, without re-installing the receiver, as explained later in this section.



DISPLAY MODE

Most Freesat programmes are broadcast using a widescreen 16:9 format, designed for a widescreen TV. If you watch a widescreen broadcast on a squarer 4:3 television, or a 4:3 broadcast on a widescreen TV, the receiver provides a choice of how the image is displayed. Pressing the MODE button will take you through the three available options.

If you have set up your receiver for a 16:9 Widescreen TV, the options are:

- Auto - the broadcaster chooses the best display format.
- Widescreen - a 4:3 broadcast is stretched to fill the 16:9 screen.
- Pillarbox – a 4:3 broadcast is shown unaltered with black bars on each side.

If you have set up your receiver for a 4:3 Traditional TV, the options are:

- Auto - the broadcaster chooses the best display format.
- Centre Cut-out - a 16:9 broadcast is cropped to show only the centre of the image.
- Letterbox - a 16:9 broadcast is shown unaltered with black bars above and below it.

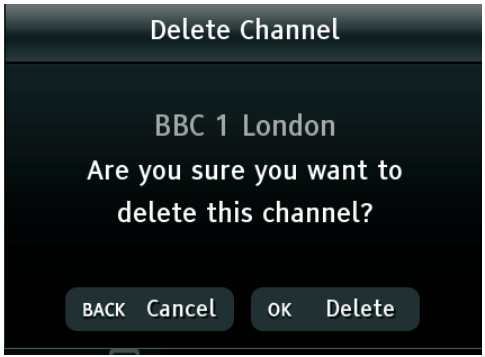
TV/DTV

If your TV is connected to the receiver's TV SCART socket, pressing the TV/DTV button switches the channel displayed on the television between the signal from the aerial (TV) and digital television from Freesat (DTV). This button has no effect if your TV is connected to the receiver's HDMI socket.

CHANGING THE CHANNEL LIST

The channel list contains all the Freesat channels that the receiver found when it was first installed, and may include some channels that you do not watch, do not want to include in the on-screen list, or do not want some members of your family to watch.

If you want to alter the channel list, first press the LIST button to display the channel list screen. To remove a channel, highlight it and press the red button to delete the channel. You need to confirm your choice to ensure you don't delete a channel accidentally.



You can lock a channel to prevent it being selected for viewing without first entering the lock PIN. Highlight the channel and press the green button to lock it. A 🔒 symbol is shown next to all locked channels in the channel list. To unlock a channel, highlight it in the channel list and press the green button. You will need to enter the PIN to complete the process.

USING THE FAVOURITE CHANNELS LIST

The favourite channels list makes it easier for you to choose the channel that you want to watch, by limiting the selection to a few chosen channels, such as those of a particular type, or that you watch the most.

It only takes a short time to set up the favourites list before it can be used. First, display the channel list, by pressing the LIST button. Highlight each channel that you want to include in the favourite channels list, in turn, and press the ★ button. A star will appear next to the channel in the list.



HINT: You can remove a channel from a favourite channels list by following the same process – with the favourite channel highlighted in the channel list, press ★ to delete the star and remove the channel from the favourites list

When you have put some channels in the favourite channels list, you can limit the normal channel list to displaying just the favourite channels by pressing the ⟲ button. Pressing the ⟲ button again restores the channel list to normal.

While watching TV, you can tune to a favourite channel by pressing the ★ button to switch to the next channel in the favourite channels list, or to the first channel in the favourites list if you are currently watching a channel not in that list.

When the browsing bar is displayed, the ★ button may be used to step the banner through your favourite channels, while staying tuned to the current channel. This is useful to browse what is on your favourite channels before changing to one. To change to a channel, press OK when its details are shown.

HINT: The channels in a favourite channels list appear in the same order as in the normal channel list, regardless of the order you added them.

MANUAL TIMER RECORDING

If you want to record all editions of a programme that isn't a series but is broadcast repeatedly, or a programme outside of the timetable listed in the programme guide, or a non-Freesat channel, you can set a recording manually.

MANUAL TIMER RECORDING (continued)

Open the library schedule list by pressing the LIB button followed by the ❮ or ❯ button, and them press the yellow button to display the manual recording menu.



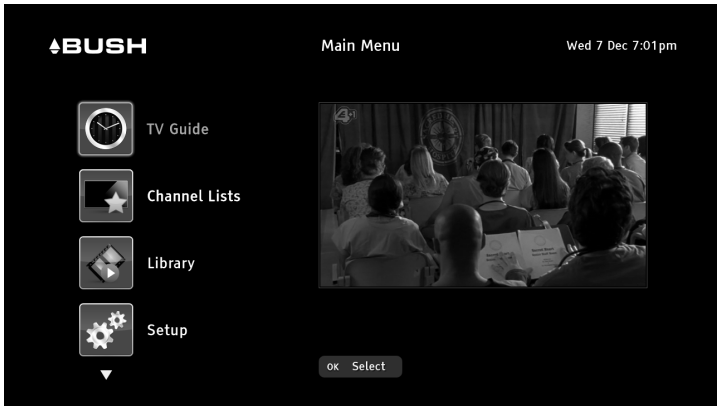
In the manual recording menu, use the ^ and v buttons to move the highlight between each setting and the ❮ and ❯ buttons to change the settings.

Set the channel to record to any channel, including non-Freesat channels. Set the date for the recording, the time to start the recording and the length of the programme to record. You can set the manual recording to occur just once, each week, each month, every day, on weekdays, or on weekends.

To set the channel, date, time and length, you can also use the number buttons to key in the value directly. If you enter an invalid setting, such as a date in the past or a channel that does not exist, the setting will not be made. When you have made the settings, press OK to set the manual recording, and it will be added to the library schedule list.

USING THE MENU SYSTEM

Display the receiver's main menu by pressing the MENU button on the remote control. The menu choices are shown on the left hand side, with an icon for each choice. Choose a menu item by pressing the ^ or v buttons to move the orange highlight through the options and then press OK to select the highlighted item.

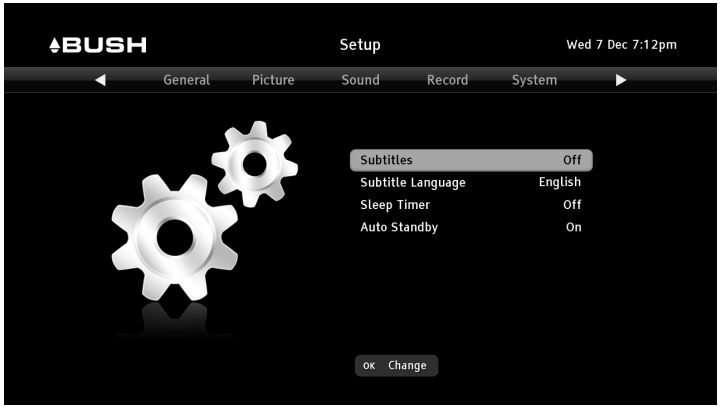


Each of the first three main menu choices has the same effect as pressing the corresponding button on the remote control:

- TV Guide – same as GUIDE button
- Channel Lists – same as LIST button
- Library – same as LIB button
- Setup – see next page
- Information – see page 38 (this is the "Information Menu" section on page 38 of this guide)

SETUP MENU

You display the setup menu by selecting the setup item in the main menu. Choose between the menu sections by pressing the ﴾ or ﴿ buttons to move the highlight along the section bar, and then press the ^ and v buttons to move the highlight bar through the option list.



Some of the selections available from the setup menu are for advanced use of the receiver. We recommended that you take the time to read this section carefully before you make any changes.

GENERAL MENU SECTION

Highlight the option you want to alter using the ^ and v buttons. When you have finished making the changes you want, leave the menu system by pressing BACK or EXIT.

SUBTITLES

Press OK to switch on subtitles for all channels that provide them. Switch subtitles off by pressing OK again.

SUBTITLE LANGUAGE

The Freesat channels can broadcast with subtitles available in a number of languages. The receiver is set to English subtitles, but you can change this setting by pressing OK to show the subtitle language menu. Use ^ and v to highlight the language you want for subtitles (if available) and press OK.

AUTO STANDBY

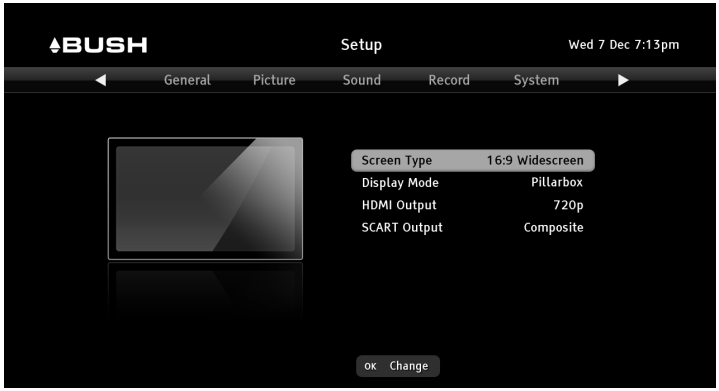
To conserve power, the receiver will switch to standby after three hours if no buttons are pressed on the remote control or front panel. The Auto standby function is normally turned on, and can be turned off by pressing the OK button.

HDCP

HDCP prevents copying of digital audio and video from the HDMI output of the receiver. By default it is turned on for all programmes, however you can turn it off for programmes that have not been flagged as protected by the broadcaster by pressing OK. Press OK to turn it back on again.

PICTURE MENU SECTION

Highlight the option you want to alter using the ^ and v buttons. When you have finished making the changes you want, leave the menu system by pressing BACK or EXIT.



SCREEN TYPE

Press OK to show the screen type menu and use the ^ and v buttons to choose between 16:9 Widescreen and 4:3 Traditional. Press OK to confirm your choice.

DISPLAY MODE

Press OK to show the display mode menu and use the ^ and v buttons to choose between Auto, Centre Cut-Out, and Letterbox, if the screen type is set to 4:3 Traditional, or between Auto, Widescreen, and Pillarbox if the screen type is set to 16:9 Widescreen. Press OK to confirm your choice. See Advanced Use - Display Mode (page 30) for more information.

> **HINT:** This menu option has the same effect as the MODE button.

HDMI RESOLUTION

Press OK to show the HDMI resolution menu and use the ^ and v buttons to choose the correct resolution for your TV. You should set the HDMI resolution to the highest that your television can display (see your television's manual). If in doubt, set the resolution to 720p. Press OK to confirm your choice.

> **HINT:** This setting overrides the HDMI resolution set when you first installed the receiver. It has no effect on the receiver's TV SCART output.

SCART MODE

Press OK to show the SCART mode menu and use the ^ and v buttons to choose between Composite and RGB for the correct output for a television connected to the receiver's TV SCART output. Press OK to confirm your choice.

HINT: The RGB setting will usually produce the best quality picture but a few televisions cannot accept this signal (see your TV manual). This setting has no effect on the receiver's HDMI output.

SOUND MENU SECTION

Highlight the option you want to alter using the ^ and v buttons. When you have finished making the changes you want, leave the menu system by pressing BACK or EXIT.



AUDIO LANGUAGE

Some programmes are broadcast in a number of languages. The receiver is set to English, but you can change this setting by pressing OK to show the audio language menu. Use ^ and v to move the orange highlight bar to the language you want and press OK.

AUDIO DESCRIPTION

Press OK to switch on audio description for all channels that provide it. Switch audio description off by pressing OK again.

DOLBY DIGITAL

Press OK to switch on the Dolby Digital surround sound output from the S/PDIF and HDMI sockets, for all programmes that provide it (channels with Dolby Digital sound available show the DD symbol in the browsing bar). Switch off Dolby Digital by pressing OK again.

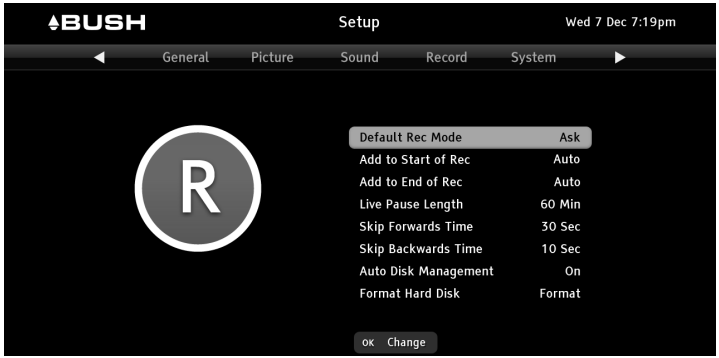
LIP-SYNC DELAY

If you find the sound and picture falling out of sync, you can delay the sound output by a small amount to compensate. Press OK to show the lip-sync delay bar on top of the normal TV picture, and use the < and > buttons to alter the amount of audio delay. Press OK to confirm your choice and return to the sound menu.

RECORD MENU SECTION

Highlight the option you want to alter using the ^ and v buttons. When you have finished making the changes you want, leave the menu system by pressing BACK or EXIT.

RECORD MENU SECTION (continued)



DEFAULT REC MODE

Press OK to show the default recording mode menu and use the ^ and v buttons to choose between always recording the Standard Definition (SD) version of a programme, always recording the High Definition (HD) version, or asking which version should be recorded. Press OK to confirm your choice.

HINT: A programme will only be recorded in HD if a High Definition version is available.

ADD TO START OF REC

Press OK to show the add to start of recording menu and use the ^ and v buttons to select how far in advance of the scheduled time a recording will start, to account for scheduling inaccuracies in the broadcast. The automatic setting starts the recording according to timing data from the broadcaster. Press OK to confirm your choice.

ADD TO END OF REC

Press OK to show the add to end of recording menu and use the ^ and v buttons to select how long after the scheduled time a recording will end, to account for scheduling inaccuracies in the broadcast. The automatic setting ends the recording according to timing data from the broadcaster. Press OK to confirm your choice.

LIVE PAUSE LENGTH

Press OK to show the live pause length menu and use the ^ and v buttons to select between 60 minutes and 120 minutes as the length of time the receiver will record live TV. Press OK to confirm your choice.

SKIP FORWARDS TIME

Press OK to show the skip forwards time menu and use the ^ and v buttons to select the length of the jump in a recording from the ▶| button. Press OK to confirm your choice.

SKIP BACKWARDS TIME

Press OK to show the skip backwards time menu and use the ^ and v buttons to select the length of the jump in a recording from the |◀ button. Press OK to confirm your choice.

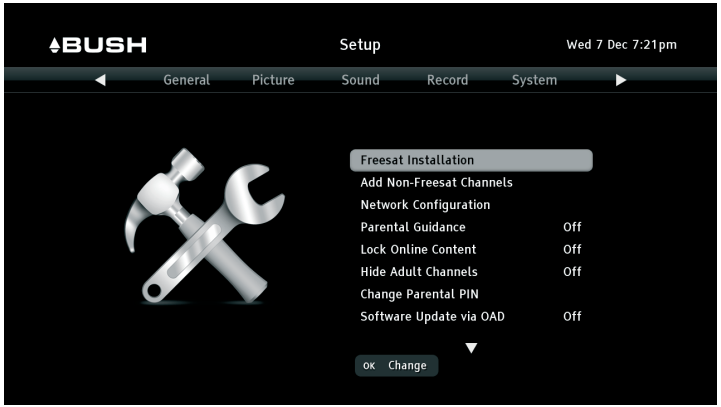
AUTO DISK MANAGEMENT

If the HDR•S is running out of disk space it will automatically delete old, unprotected recordings to make space for new ones. Press OK to turn off automatic management. If the hard disk is full further programmes will not be able to be recorded. Press OK to turn it back on again.

FORMAT HARD DISK DRIVE

Press OK to format the receiver's hard disk drive. To continue, you will need to enter the lock PIN if parental guidance is turned on in the System Menu section.

HINT: Formatting the hard disk drive will erase all of your previously recorded programmes.



SYSTEM MENU SECTION

Highlight the option you want to alter using the ^ and v buttons. When you have finished making the changes you want, leave the menu system by pressing BACK or EXIT.

FREESAT INSTALLATION

Press OK to retune all the Freesat channels. If you retune Freesat, you will lose all channels from the favourite channels list, remove any channel locks you have set, restore any deleted channels, and reset the regional settings, TV type and lock PIN.

ADD NON-FREESAT CHANNELS

See the Non-Freesat Channels section of this guide on page 41 for full details of how you can add and watch non-Freesat channels.

NETWORK CONFIGURATION

See the On Demand TV section of this guide on page 39 for full details of how you can connect to and watch online services.

PARENTAL GUIDANCE

Press OK to turn on parental guidance. This prevents watching any programme broadcast before the watershed with a G parental guidance warning without first entering your PIN. It also prevents displaying the system menu or formatting the hard disk without entering the PIN. To turn off parental guidance again press OK and enter your PIN.

HIDE ADULT CHANNELS

Press OK to hide and prevent access to the Freesat adult genre and channels. To show them again press OK and enter your PIN.

LOCK ONLINE CONTENT

Press OK to turn on or off the online content lock that prevents any online services being viewed without first entering the lock PIN. See the On Demand TV section of this guide (page 39) for more details of how you can connect to and watch online services.

CHANGE PARENTAL PIN

Press OK to show the lock PIN menu. Change the PIN used by first entering the current PIN and then entering and confirming your choice of new PIN.

SOFTWARE UPDATE VIA OAD

Press OK to turn on or off the automatic software update.

SOFTWARE UPDATE VIA USB

Press OK to load new software for the receiver from a storage device connected to the USB socket on the back of the receiver. The device must be formatted with the FAT32 file system. Please refer to the documentation from your operating system for more information.

We recommended you use a USB stick as many Hard Disks require more power than a single USB socket can provide. If using such a hard disk, please ensure it has an external power supply.

CHECK FOR SOFTWARE UPDATE

Press OK to immediately check if there is a software update available.

RESTORE FACTORY DEFAULT

Press OK to revert all of the receiver settings to what they were when you first got your receiver and to start the installation procedure described in the Preparation section of this guide. Select between the options of reverting all settings and formatting the receiver's hard disc, or just reverting the settings, and press OK to start the process.

HINT: Do not operate this function unless you mean to delete all channels, favourite channels, and the receiver's configuration.

INFORMATION MENU

This menu displays important information about your receiver and is helpful in diagnosing any potential problems.



You display the information menu by selecting the information option in the main menu. Choose between the information sections by pressing the ❮ or ❯ buttons to move the highlight along the section bar.

HINT: We recommend that you have this screen displayed on your TV if you need to phone the Bush helpline.

The General menu section contains:

- Basic information used to identify the receiver.
- The current region the receiver is set to (based on the postcode input during installation).
- A phone number and website address for product support.
- Information about how much hard disk space you have available for recording.

The Signal menu section is used to help align your satellite dish or to troubleshoot a signal problem.

The Network menu displays your network settings. If it says "Not Connected" this means you do not have a network connection. Please see Section 5, "On Demand TV", for more information about network settings.

5 On Demand TV

This section explains how to set up the receiver to watch On Demand TV services, such as the BBC iPlayer and ITV Player catch-up services. You must have a broadband Internet connection in your home to watch On Demand TV.

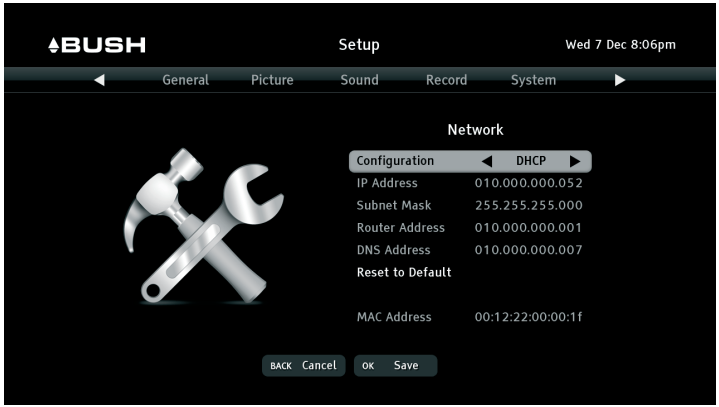
SETTING UP FOR ON DEMAND TV

Ensure the ETHERNET socket at the back of the receiver is connected to your router or hub. See the Connecting Your Receiver section (page 12) for more information.

HINT: If the receiver has made a connection with your modem or home network, one or both of the small green and orange lights immediately above the Ethernet socket will light and/or flicker.

Press the MENU button on the remote control, select the Setup item, and then press ❮ to display the system menu. Select Network Configuration and press OK to display the Network Configuration menu. Check that the first menu item shows "DHCP" to automatically configure the network connection.

SETTING UP FOR ON DEMAND TV (continued)



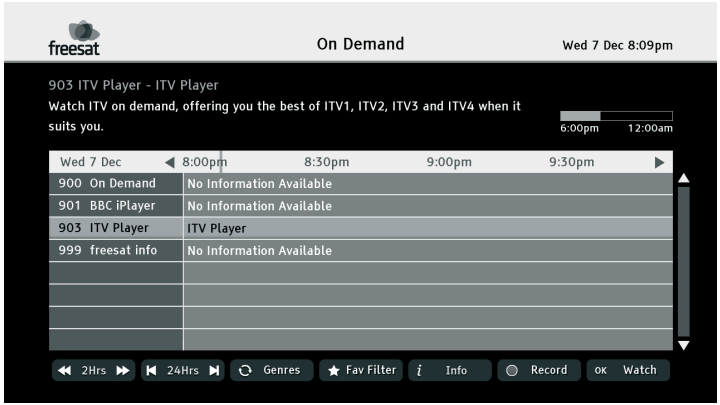
If your broadband modem/router is not compatible with DHCP (Dynamic Host Configuration Protocol), you will need to set the addresses manually. Use the ❮ or ❯ buttons to change the configuration to "static" and for each of the addresses in turn (IP Address, Subnet Mask, Router Address, and DNS Address) press ❯ to highlight the address and then enter the 12 figures to set that address.

When you have set the four addresses, press OK to return to the System menu.

HINT: Consult the manual or supplier for your modem/ router or network for help choosing the correct addresses.

WATCHING ON DEMAND TV

You can switch to On Demand TV either through the interactive services on a channel providing On Demand TV, or through an online channel chosen by number or using the channel list or programme guide.



HINT: The On Demand TV channels are numbered from 900 and are in the On Demand section of the programme guide

When you switch to an On Demand TV channel, it may take a few seconds longer to show the picture than a Freesat satellite channel. You will then need to progress through a series of menus, using the number buttons, the coloured buttons, ❮, ❯, ❮ and ❯, and the OK button, to find and start the programme you want to watch. You go through these menus in a different way depending on the online broadcaster.



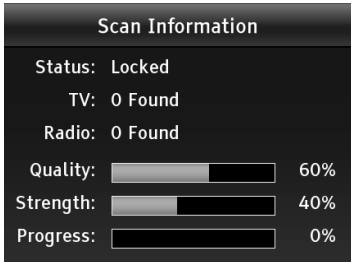
HINT: The controls for playback of an online programme may differ to those you are used to on the receiver For example, BBC iPlayer uses the OK button to pause and play a programme, instead of the ▶II button.

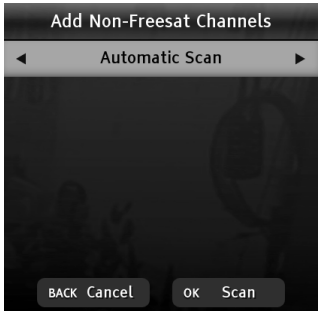
6 Non-Freesat Channels

This section explains how to set up your Bush receiver to receive channels that are not included with Freesat. As well as receiving the many Freesat channels, the receiver can also be used to watch and record other channels, as long as they are broadcast from the same satellites as Freesat and are free.

TUNING IN NON-FREESAT CHANNELS

Go to the Add Non-Freesat Channels menu by pressing MENU, then select the Setup item, press ⟨ to display the system menu, and ⟩ to highlight the option to add non-Freesat channels, then press OK.





You can add non-Freesat channels either by manually entering the tuning details for an individual transponder (a group of channels) or by allowing the receiver to scan all the transponders for non-Freesat channels. Choose a manual scan or an automatic scan by pressing the ⟨ or ⟩ buttons.

TUNING IN NON-FREESAT CHANNELS (continued)

If you choose a manual scan, you should enter the frequency and symbol rate of the transponder to scan, using the number buttons, and its polarization, modulation and broadcast system by using the ⟨ or ⟩ buttons. You can move between the five items using the ^ and v buttons. When you have entered the tuning information, press OK to start the scan.

HINT: The tuning information for non-Freesat channels may be printed in specialist magazines, or given on a specific channel's website.

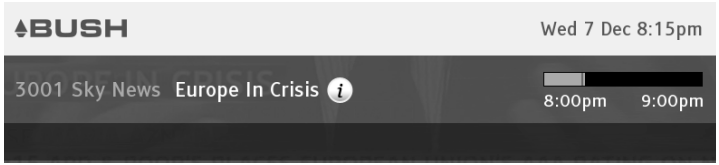
If you choose an automatic scan, just press OK to start the scan.

The receivers will take a few seconds to complete a Manual Scan and several minutes to finish an automatic scan. While it is scanning, the receiver displays the number of TV and radio channels found so far. When it is finished, the receiver will display a list of all the channels found.

You can choose to watch a non-Freesat channel from this list by moving the orange bar using the ^ and v buttons to highlight the channel you want and pressing OK, or return to watching TV by pressing BACK or EXIT.

WATCHING NON-FREESAT CHANNELS

Non-Freesat channels and Freesat channels are stored separately in the receiver but you can switch between them quite easily. When you are watching a non-Freesat channel, the browsing bar displays the Bush logo instead of the Freesat logo.



While watching a non-Freesat channel, you can step through the other non-Freesat channels by pressing the CH ^ or CH v buttons. You cannot enter a four-digit channel number to switch to a non-Freesat channel, but you can press the ↻ button to switch to the channel you last watched, whether it was a Freesat or non-Freesat channel.

HINT: Non-Freesat TV channels are stored from channel number 3001 and non-Freesat radio channels from 3500.

You can browse through the non-Freesat channels and programmes in the same way as you browse the Freesat channels. Press i or ^ or v to display the browsing bar and then press the ^ or v buttons to see what is showing at the moment on any of the other non-Freesat channels, and ⟩ to see the programmes on next.

HINT: The programme guide does not display non-Freesat channels but most non-Freesat channels will display information about the current and next programmes in the browsing bar.

When you have some non-Freesat channels stored, the channel list displays both Freesat and non-Freesat channels. Go to the channel list by pressing the LIST button. Now pressing ⟨ or ⟩ will take you through the four channel lists available:

- Freesat TV Channels
- Freesat Radio Channels
- non-Freesat TV Channels
- non-Freesat Radio Channels

You can use the same channel list functions for any of the lists – lock or delete a channel, or add it to your favourite channels list.

If you put both Freesat channels and non-Freesat channels in the favourite channels list, you can switch from one to the other freely and easily.

PAUSING AND RECORDING NON-FREESAT CHANNELS

You can pause a live non-Freesat channel using the ⏯ button, just like a Freesat channel.

Most non-Freesat channels will display information about the current and next programmes in the browsing bar. You can set any programme displayed to record, just like on a Freesat channel. To set a recording of a non-Freesat channel in the future, use the manual recording menu (see the Advanced Use section on page 29).

Appendix A – Troubleshooting

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Power light off	Power supply cable disconnected.	Check the power supply cable.
	Mains fuse blown.	Check fuse
No set up screen	Receiver not switched on.	Switch on receiver. Check mains cable, switch and fuse.
	HDMI/SCART cable disconnected.	Check HDMI/SCART cable connection to receiver and television.
	Television not switched to HDMI/SCART input.	Select television's HDMI/SCART input.
Signal lock failed	Cables from the satellite dish disconnected or connected to unacceptable signal.	Check the cable connections at receiver and dish. Consult your installer if necessary.
	Dish in the wrong position.	Reinstall the dish. Consult your installer if necessary.
Signal strength below 50%	Dish in the wrong position.	Reinstall the dish. Consult your installer if necessary.
Not accepting postcode	Broadcast error.	Postcode tables are not being transmitted. Use red Default Channels button to activate default tuning.
'No signal' message	Cable from the satellite dish disconnected.	Check the cable connections at receiver and dish. Consult your installer if necessary.
	Dish damaged or in the wrong position.	Check the dish. Consult your installer if necessary.
No picture or sound	HDMI/SCART cable disconnected.	Check HDMI/SCART cable connections at receiver and television.
	Television not switched to HDMI/SCART input.	Select television's HDMI/SCART input.
No picture via HDMI	Television does not support the current resolution.	Keep MODE button pressed for 8 sec on your remote. This will reset the resolution to 720p.
Full picture not visible	Mismatched screen format or that is how the programme is being broadcast.	Choose the correct screen size to suit your TV.

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
TV picture not HD	Tuned to an SD channel.	Tune to an HD channel.
	TV not capable of HD.	Connect the receiver to an HD-Ready TV.
	TV connected by SCART.	Connect the TV with the HDMI lead.
No response with remote control	Receiver in standby.	Switch on the receiver.
	Remote control not aimed at the receiver correctly.	Aim the remote control at the receiver.
	Remote sensor on the front of the receiver is obstructed.	Check for obstructions in front of the receiver.
Receiver switches off after 3 Hrs	Auto Standby is on.	Turn off the Auto Standby in the Set Up menu.
Cannot view a channel	Wrong channel number used.	Choose the channel from Channel List.
	Channel locked.	Enter your PIN. If you have forgotten it, please contact us for the Master PIN.
Can't record a programme	Already recording two other programmes.	You can only record two channels simultaneously. Stop one of the recordings to record the programme.
Scheduled recordings fail	The second LNB input is not connected to a valid signal	Check the connection at the back of the receiver. If the connection is OK, consult your retailer or installer.
No information for a channel in the programme guide	Information on the channel not downloaded.	Wait for the download.
	You are on a non-Freesat channel.	Select a Freesat channel.
No digital text or interactive services	Services not available on chosen channel.	Switch to a channel broadcasting interactive services.
BBC iPlayer or ITV Player won't load	No connection to Internet.	Check broadband connection and network configuration in system menu.
Can't access System menu	You have forgotten your PIN.	Please contact us for the Master PIN.

Appendix B - Specifications

Tuner	Standard	DVB-S/S2 Twin Tuners
	Input frequency	950~2150MHz
	Input connector	2 x F type, Female 75 ohm
	LNB supply	13.0V / 18.0V (max.300mA), Short Circuit Protected
	Digital signal input level	-20 to -65 dBm
Hard Disk Drive	Capacity	500 GB
Video	HDMI output	Resolution 576i / 576p / 720p / 1080i /1080p
	SCART output	TV (CVBS/RGB) & VCR (CVBS)
	Aspect ratio	4:3, 16:9 & Letter Box
Audio	TV & VCR SCART output	Audio left and right
	Optical S/PDIF output	Dolby Digital, Dolby Digital + & PCM
USB	Host	2.0 (5V@500mA max). For software upgrade only.
Internet Connectivity	Ethernet	RJ-45 10/100 Base-T (with green Link LED & yellow Data LED)
Power Requirements	Mains input voltage	100-240VAC~ 50Hz
	Power consumption	Max 25W (LNB with 200mA)
Dimensions	Width, depth and height	Width: 280mm, x depth: 183mm, height: 41mm

Product Guarantee

This product is guaranteed against manufacturing defects for a period of:

This product is guaranteed for twelve months from the date of original purchase. Any defect that arises due to faulty materials or workmanship will either be replaced, refunded or repaired free of charge where possible during this period by the dealer from whom you purchased the unit.

The guarantee is subject to the following provisions:

- The guarantee does not cover accidental damage, misuse, cabinet parts, knobs or consumable items.
- The product must be correctly installed and operated in accordance with the instructions contained in this manual.
- It must be used solely for domestic purpose.
- The guarantee will be rendered invalid if the product is resold or has been damaged by inexpert repair.
- Specifications are subject to change without notice.
- The manufacturer disclaims any liability for the incidental or consequential damages.
- The guarantee is in addition to, and does not diminish your statutory or legal rights.

Guarantor: Argos Ltd.
489-499 Avebury Boulevard,
Central Milton Keynes,
MK9 2NW

HELPLINE: 0333 321 3200

Find out more about Freesat at www.freesat.co.uk

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