Manhattan
Model: Plaza HD•S2

LET'S GET STARTED

YOUR USER GUIDE

Manhattan

freesat

WELCOME TO FREESAT

We are so pleased you bought this Manhattan Plaza HD•S2 Freesat receiver.

Now you can enjoy:

• Quality state-of-the-art satellite TV receiver
• Over 180 of your favourite channels
• Picture perfect High Definition (selected channels)
• BBC iPlayer & ITV Player
• Easy plug and play set up
• Expert customer support - visit freesat.co.uk or call 0345 313 0051

Not included:

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

The Plaza HD•S2 is packed with amazing features. Some of the highlights are:

• Create your own personal Programme Guide using up to 8 favourites lists (see p22)
• One-touch reminders (p20)
• Timer, Auto Turn On & Auto Turn Off functionality (p29)

TECHNICAL SUPPORT FOR YOUR PLAZA HD•S2

Phone: 020 8450 0005
Web: www.manhattan-tv.com

You can submit a support request via our website 24 hours a day. However, if your matter is urgent then please contact us by phone. We are open Monday to Friday from 9am to 5:30pm.

AD TV narration for people with sight problems

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

DOLBY DIGITAL PLUS

CONTENTS

CONTENTS

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In The Box

In your Plaza HD•S2 Freesat receiver pack you should find the following items:
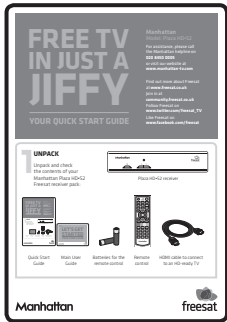
Quick Start Guide

Main User Guide
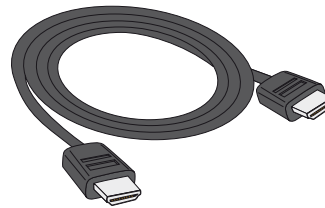
HDMI cable to connect to an HD-ready TV

Batteries for the remote control
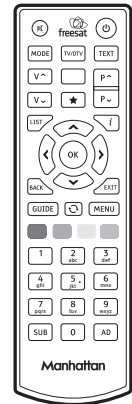
Remote control
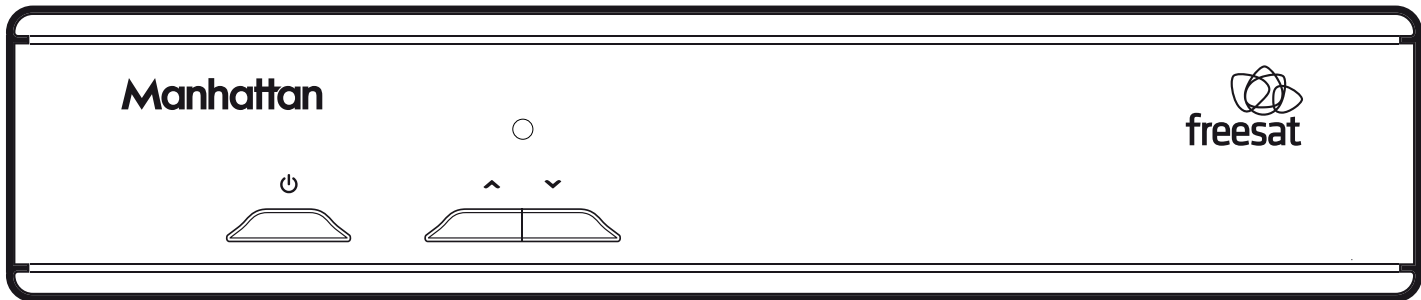
Plaza HD•S2 receiver

YOUR RECEIVER

Manhattan Plaza HD•S2

Front

POWER INDICATOR LIGHT
(red for standby, blue for on)
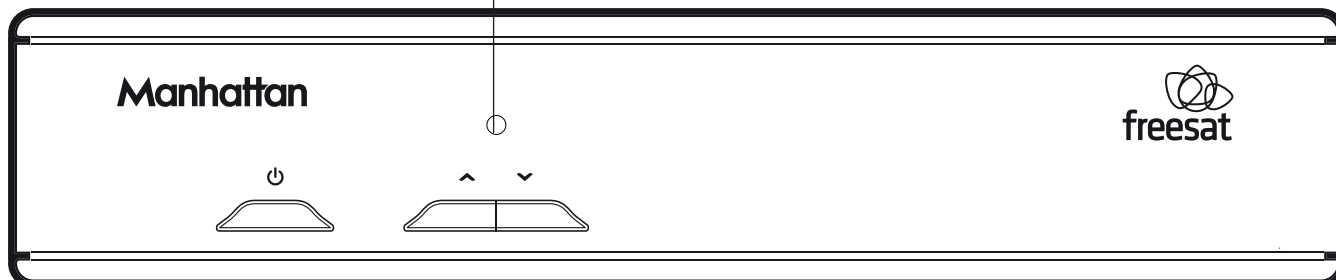
CHANNEL CHANGE UP/DOWN
The up/down arrows on the front are for changing channel

STANDBY
Switch the receiver on and off

Manhattan Plaza HD•S2

Rear

LNB IN
Input for connection to satellite dish

ETHERNET
Network socket for connection to the Internet

POWER CABLE
For connection to a mains plug socket

DOLBY
DIGITAL PLUS

HDMI

LNB IN
13/18V
350mA max

ETHERNET

USB

HDMI

OPTICAL
S/PDIF

TV SCART

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

CE

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

AC 100-240V~
50/60Hz
Max.20W
Standby<0.5W
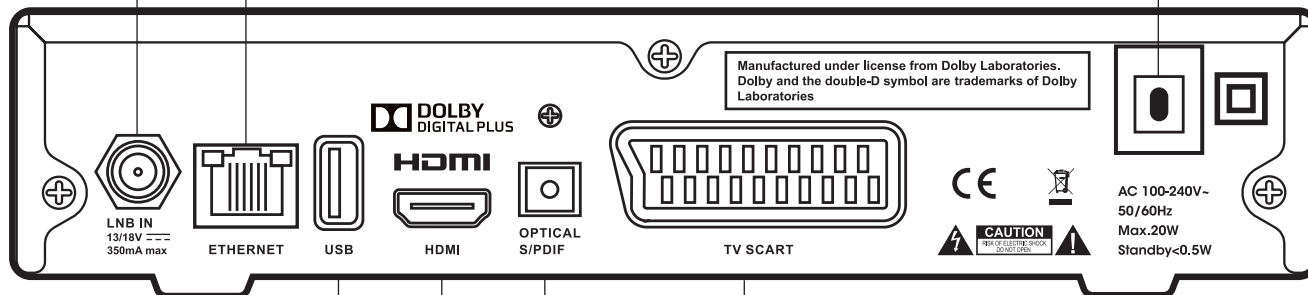
USB
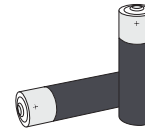Socket for upgrading the receiver's software

HDMI
Output for connection to a HD-ready television

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

TV SCART
Output for connection to a non-HD television

REMOTE CONTROL

⏻ Standby - switches the receiver on and off.

⊠ Mute - silences the receiver's sound.

0, 1 … 9 - buttons to directly select channels, enter numeric value in the set-up menus and to enter your postcode.

↻ Switches back to the last channel watched.

★ Displays your favourites lists and adds channels to them in the channel list.

MENU Displays the main menu screen.

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 option in a menu.

LIST Displays the channel list.

GUIDE Displays the programme guide.

BACK Exits a menu and returns to the main menu.

EXIT Exits a menu and returns to normal TV viewing.

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

V ⌃ Turns the volume up.

V ⌄ Turns the volume down.

P⌃ P⌄ Switches to the next or previous channel. Moves one page up or down in the channel list.

AD Displays the available audio menu to choose between normal sound and audio description.

MODE Switches between available screen display modes.

SUB Displays the subtitles menu to select a subtitle type.

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

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

2 Preparation

This section explains how to set up your Plaza HD•S2 to receive Freesat channels.

THE SATELLITE DISH
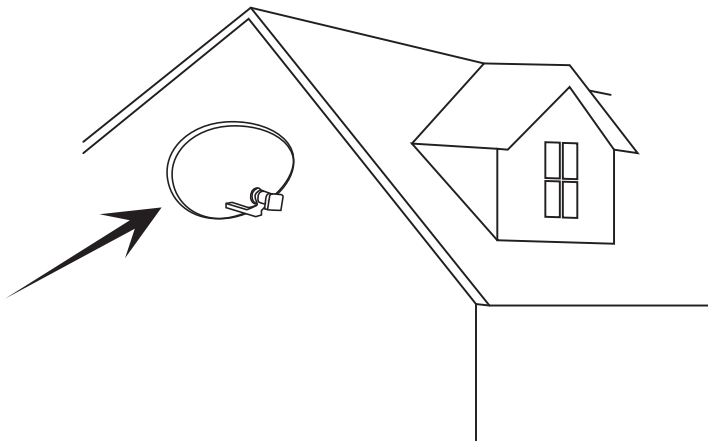
To receive Freesat, you must connect your Plaza HD•S2 receiver to an appropriate satellite dish, fixed in position and accurately pointed at the 28.2° East satellite position.

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 Plaza HD•S2 receiver on a firm, level surface close to the television, a mains electricity socket, and the cable from the dish. (See Appendix A – Safety.)
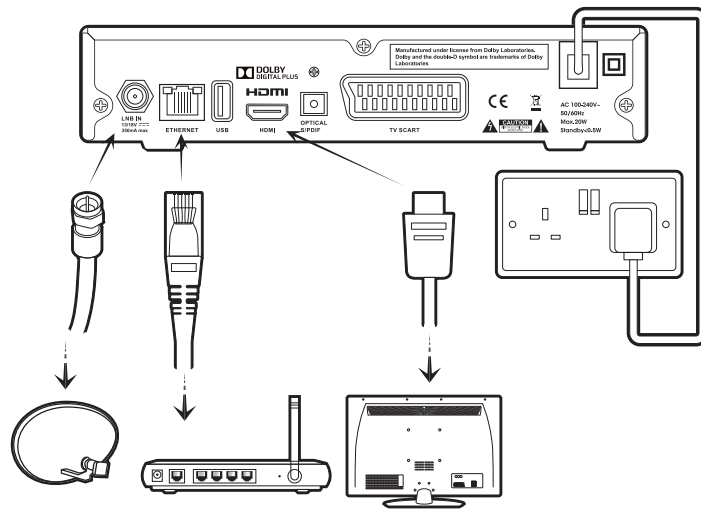
Connect the cable from your dish to the LNB IN socket at the back of the receiver (if the dish cable is fitted with a wall socket inside your home, you will need a connecting cable, which you can get from your installer).

Turn off your television and connect the HDMI cable supplied between the HDMI socket at the back of your Plaza HD•S2 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.

Plug the power cable from the rear of the Plaza HD•S2 into an available mains socket that is turned off.

You can also connect the Plaza HD•S2 receiver to a stereo or surround sound system, so that you can listen to the TV sound through the sound system instead of (or as well as) the television's speakers. If you connect an optical lead (not supplied) between the S/PDIF sockets on your receiver and digital sound system, you can listen to the TV sound in digital audio quality, or even in surround sound, depending on the broadcast and your sound system.

To watch On Demand TV services including BBC iPlayer and ITV Player, the Plaza HD•S2 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 Plaza HD•S2, 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 Plaza HD•S2 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 Plaza HD•S2 does not support USB Wi-Fi dongles.

SWITCHING ON
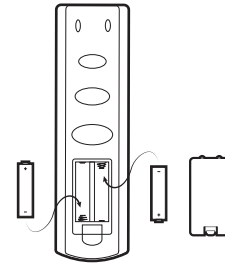
Take off the battery compartment cover from the back of the Plaza HD•S2 remote control by lifting it up while pushing the catch. Insert the two AAA batteries supplied, as shown on the inside of the compartment, and replace the compartment cover.

SWITCHING ON (continued)

Turn on your TV set and choose the HDMI input (see your television's manual for guidance).
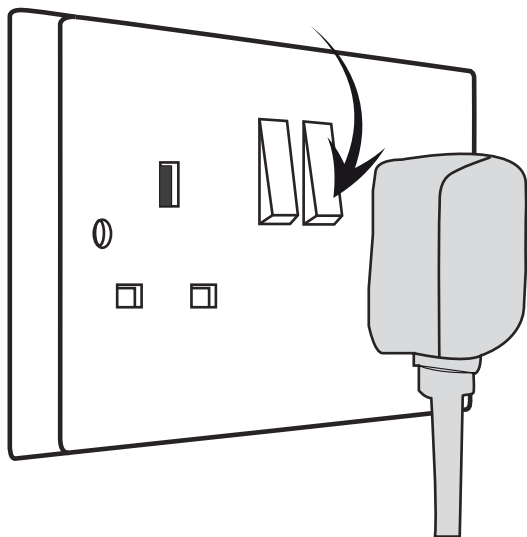
Switch on the mains socket the Plaza HD•S2 is connected to.

After a few seconds, the receiver's first Freesat installation screen shown below will appear on the television screen:
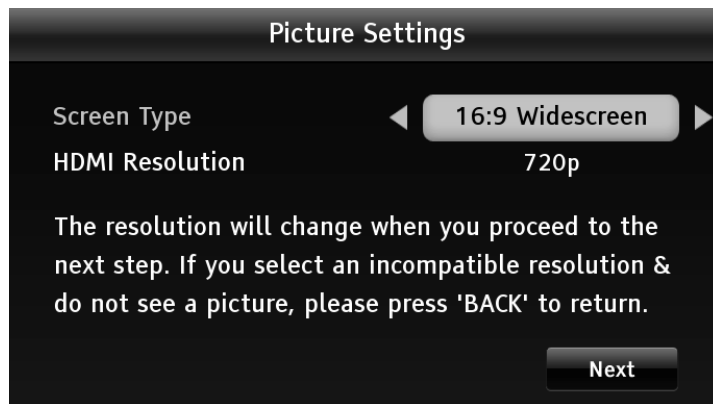
> **HINT:** If you do not see this screen on your television, see 'Troubleshooting' on page 40.

TUNING IN

When the first installation screen is displayed, use the ❯ or ❮ buttons to select the screen format of your television (16:9 Widescreen or the squarer 4:3 Traditional). Then press the ❯ button to highlight the HDMI Resolution selection box, and use the ❯ or ❮ buttons to select the correct resolution for your television. Press ❯ to select the "Next" button and then press **OK** to display the next installation screen.

Signal Check

The signal check was successful.

Signal Strength: 100%
Signal Quality: 60%

Next
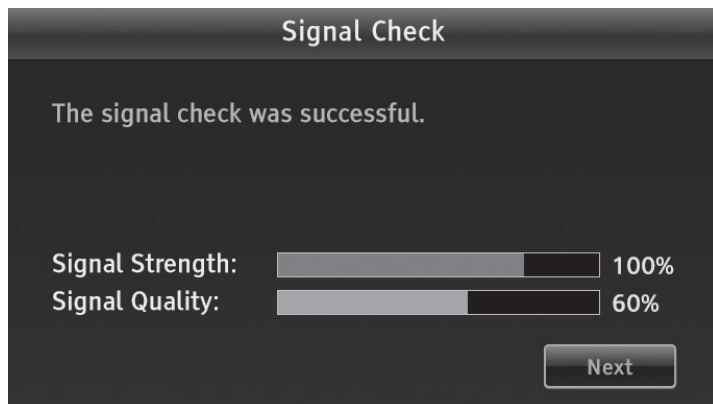
The signal check screen shows the strength and quality of the Freesat signal received from your satellite dish. If the signal lock fails, switch the receiver off at the mains and try reconnecting the cable from your satellite dish to the LNB IN socket. If the connection is OK but the signal lock still fails, you should consult your dealer or installer.

When the signal lock is successful, press **OK** to proceed.

⚠ Please note that in the extremely unlikely event of a major change to the broadcast of Freesat, for example because of satellite failure, it is possible the receiver won't be able to automatically install. In such a situation, you can manually enter the information needed for the receiver to install by pressing the red button after the signal check fails. Such an event would almost certainly be national news, and you can check our website (www.manhattan-tv.com) where this would be clearly stated along with instructions of what to do.

Regional Variations

In order to store the correct regional variations for certain channels, please enter your postcode using the number keys on your remote. You do not need to enter a space. Press left to delete.

Postcode: NW27JA_

Next

Enter your postcode using the number buttons on the remote control, or press the red button to use the on-screen soft keyboard. You do not need to enter a space. Once you have entered your postcode, press the ⌄ button and then press **OK** to proceed.

With the on-screen soft keyboard, enter each letter and number of the postcode by highlighting it on the keyboard using the

TUNING IN (continued)

⌃ ⌄ 〈 and 〉 buttons, then pressing **OK** . The red button deletes the last letter entered and the green button confirms the whole postcode.

```
                Channel Scan

Status:           Scanning
TV:               64 Found
Radio:            23 Found

Progress:     [▓▓▓▓▓▓▓▓        ] 63%
```

Your Plaza HD•S2 receiver will take a couple of minutes to 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.

```
                Enter Pin

A PIN is required to enable parental guidance,
access locked channels or restore to factory
default. Enter it using the number keys on your
remote. Press left to delete.

4-Digit PIN              [1] [2] [3] [4]

                              [ Next ]
```
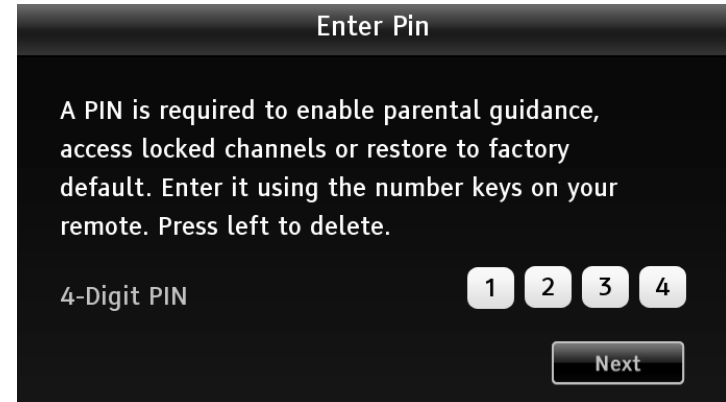
The setup completion screen confirms the lock PIN you have set. Press the **OK** button and your Plaza HD•S2 receiver is now ready for you to watch Freesat digital TV.

> **HINT:** When new Freesat channels are introduced, you do not need to retune your Plaza HD•S2 receiver because it is automatically updated.

3 Everyday Use

This section describes the day-to-day use of your Plaza HD•S2 receiver – how to select the channels that you want to watch, view the programme schedules, and control the basic features.

TURNING ON THE RECEIVER

Press the ⏻ button on the remote control or the ⏻ button on the front of the receiver. The power light on the front panel changes from red to blue when the receiver is powered up.

You can turn off the Plaza HD•S2, so it goes into standby, by pressing the ⏻ button on the remote control or the ⏻ button on the receiver. When the receiver is in standby, the power light on the front panel turns red. The Plaza HD•S2 uses less power when in standby.

> **HINT:** You should leave the Plaza HD•S2 receiver plugged in with the socket switched on, at all times (except when there is lightning – see Appendix A). 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:** To save power, the Plaza HD•S2 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 **P ^** or **P ⌄** buttons on the remote control or the ⌃ and ⌄ buttons on the front of the Plaza HD•S2 receiver.

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 18)
• Use the programme guide (see page 19)

CHANGING THE VOLUME

You can increase or decrease the volume by using the V ∧ and V ∨ buttons on the remote control. The sound is silenced by pressing the 🔇 button and restored to its previous level by pressing the 🔇 button again.

> **HINT:** The mute control also affects the sound supplied to the VCR SCART socket, and so using this control while a programme is being recorded will affect the recording.

BROWSING BAR

Whenever you change channel, the Plaza HD•S2 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 anytime to display the bar again.

It 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

freesat		Wed 18 May 14:03
105 Channel 5	Neighbours *i*	13:45 14:15
		AD•) SUB
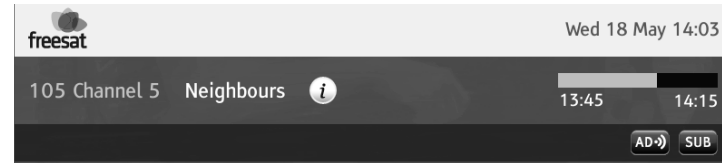
> **HINT:** You can also display the browsing bar by pressing ∧ or ∨ on the remote control while you are watching TV.

The information bar may also display symbols to indicate:

HD The programme is in High Definition.
SUB Subtitles are available.
AD•) Audio Description is available.
DD 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).
🔒 The channel is locked (see the Advanced Use section).
HD An HD version is available on another channel (press *i* for further details).

While the bar is displayed, press the ❯ button to see details of the next programme, and the ❮ button to go back again. To see what is on another channel, press the ⌃ or ⌄ buttons. To change to this channel, press **OK** while the bar is still displayed. To remove the bar from the screen at anytime, press **EXIT**.

While the browsing bar is displayed, press *i* again to display more information about the selected programme, including a short summary. Pressing the *i* button once more removes the extra information from the screen.

> ⓘ **Neighbours**
>
> [Unclassified] Brennan is determined to win back Kate's affections but finds himself drawn into helping Callum in the aftermath of his latest run-in with Sonya. [AD,S]
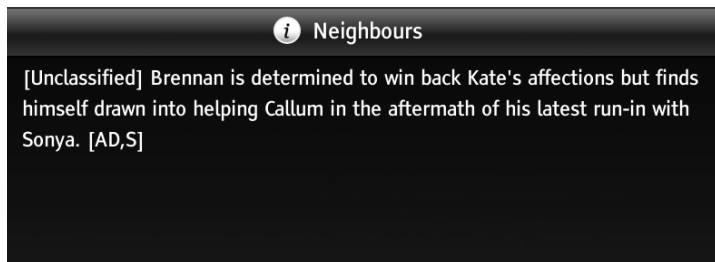
HINT: When the extra programme information is displayed, you can still press ❮ or ❯ to see what is on now or next and ⌃ and ⌄ to see what is on other channels.

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 information bar.

If you want to turn on subtitles, first display the subtitles menu by pressing the **SUB** button and then use the ⌃ and ⌄ buttons to highlight "English" (or "English Teletext" for larger subtitles), and press **OK**. To turn off subtitles, select "Off" from the subtitles menu and press **OK**.

Subtitles
Off
English
English Teletext
BACK Cancel   OK Confirm

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 information bar.

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

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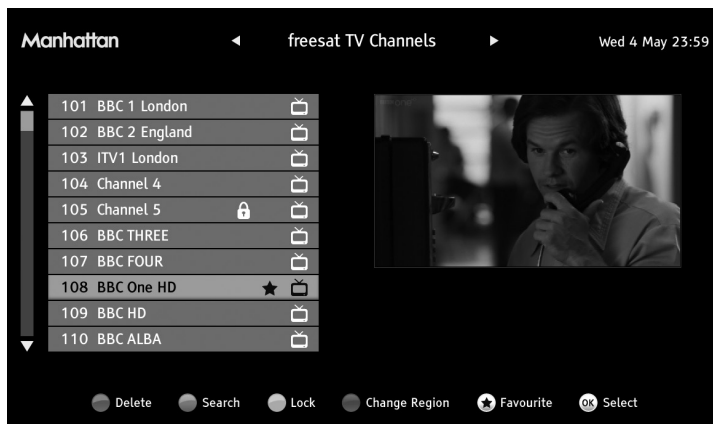
> **HINT:** You can also display the channel list by pressing the **OK** button while watching TV.

Use the ⌃ or ⌄ 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 P ⌃ and P ⌄ 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.

SEARCHING FOR A CHANNEL

You can search for a channel by name, or a part of its name. Press the green button while on the channel list screen and enter the word that you want to search for using the on-screen keyboard.

The receiver shows a list of all channels with the search word within their name, for you to choose from in the normal way. You can press ❮ or ❯ to see the search results for the different channel lists. Press ↻ to clear the search.

REGIONAL CHANNELS

With Freesat, some channels, such as BBC1, broadcast regional variations of their channels. The initial regional variations are based on the postcode that you entered when you installed the Plaza HD•S2.

You can replace the regional variation of a channel in the channel list by pressing the blue button while the channel is highlighted. The current list will change to show the regional variations of that channel (if available).

Manhattan ◄ freesat TV Channels ► Thu 5 May 00:01

102 BBC 2 England	📺
102 BBC 2 Wales	📺
102 BBC 2 Scotland	📺
102 BBC 2 NI	📺

Region Change: BBC 2 England
Please choose a regional variation from the channels listed.

BACK No Change OK Replace
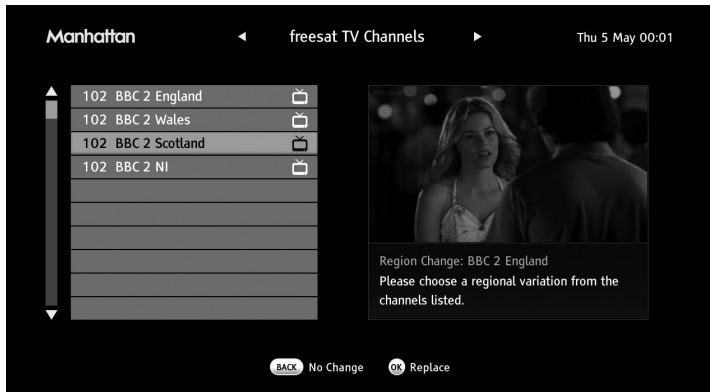
Choose the region that you want from the list by moving the highlight bar through the list with the ⌃ and ⌄ buttons and then pressing **OK**, or press **BACK** to leave the region setting unchanged.

USING THE PROGRAMME GUIDE

freesat Channel Genre Wed 18 May 14:04

All Channels	Special Interest
Entertainment	Radio
News & Sport	Shopping
Movies	On Demand
Lifestyle	Regional
Music	Adult
Children	

OK Select

The Plaza HD•S2 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.

freesat All Channels Thu 5 May 00:05

103 ITV1 London - Long Lost Family INT SUB
[News and Factual] Series aiming to reunite families after years of separation. Ever since he discovered the truth about his real father at the age of 15, Wayne has been ... 23:35 00:35

Thu 5 May	◄ 00:00	00:30	01:00	01:30 ►
101 BBC 1 London	Invincible		... See Hear	Watchdog
102 BBC 2 England	The Quite Remarkable David Cole...		BBC News	
103 ITV1 London	HD Long Lost Family	The Zone: Challenge Jackpot		The Zone: QVC
104 Channel 4	Bei... Music ... Music on 4... Music ... Music ... Music on 4: W...			Six Degree...
105 Channel 5	Poker: Aussie Millions		Super Casino	
106 BBC THREE	Family Guy	Family Guy	Don't Tell the Bride: Live	Americ...
107 BBC FOUR	Spiral: The Butcher of La Villette		If Walls Could Talk: The...	Pet...
108 BBC One HD	Invincible		... See Hear	Watchdog

⚪ -2 Hrs ⚪ +2 Hrs ⚪ -24 Hrs ⚪ +24 Hrs 🕐 Reminders ℹ Info OK Select

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.

USING THE PROGRAMME GUIDE (continued)

Information on the highlighted programme is shown above the table and you can read a full summary by pressing the i button. Press i again to remove the summary box.

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 ⌄ 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 P⌃ or P⌄ buttons to move to the next or previous page. The green and red buttons move the highlight bar through the schedule two hours forward or back, and the blue and yellow buttons move a day forward or back.

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.

> **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.

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 (🕐) is shown next to a programme with a reminder set.

18:30	19:00	19:30	▶
BBC London News	(HD) The One Show	(HD) EastEnders	
(🕐) Great British ...	The Great Estate: The Rise &...		
ITV News & Weather	Emmerdale	(HD) Human Rights ...	
Hollyoaks	Channel 4 News	...	
Ok! TV	5 News at 7	(🕐) How Do They ...	Foo

You can see a list of all the programmes with reminders set by pressing the ↻ button, and you can cancel a reminder by highlighting it and pressing the red button. Pressing ↻ again or **BACK** leaves the reminder list and returns to the programme guide. You can also 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.

You leave the programme guide and return to watching TV by pressing **BACK** or **EXIT** button.

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. If interactive services are available, they will be indicated by an on-screen prompt – usually a red button in the top right-hand corner of the screen.

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.

4 Advanced Use

This section explains how to get the most out of your Plaza HD•S2 receiver.
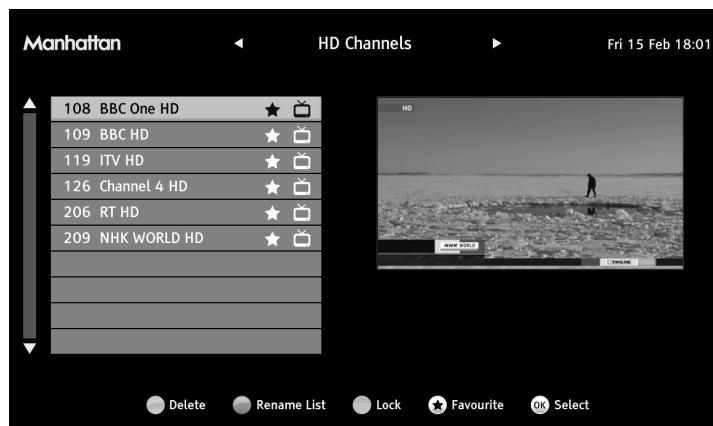
USING THE FAVOURITES LISTS

The favourites lists make it easier for you to choose the channel that you want to watch, by limiting the on-screen list to just a few channels, such as those of a particular type, or that one member of the family watches the most.

The Plaza HD•S2 provides eight favourites lists, and it only takes a short time to set up the lists before they can be used. First, display the channel list, by pressing the **LIST** button.

Highlight the channel that you want to include in a favourites list, and press the ★ button to show the eight lists available. Highlight the list that you want to include the channel in and press ★ to add the channel to that list (a star will appear next to it). You can add a channel to as many lists as you like. Channels can be removed from favourites lists by highlighting a list and pressing the ★ button again. Press **OK** to store the changes to the lists, or press **BACK** to cancel.

You can rename the favourites lists to suit their contents (for example, the type of channels in the list, or the name of person who has chosen them). With the list highlighted, press the red button and enter the name that you want for that list using the on-screen keyboard.

Once favourites lists have had channels assigned to them, they can be used in three ways.

Manhattan	Favourites Lists	Fri 15 Feb 17:45

HD Channels ★
Bob's Faves
BBC Channels
Fav4
Fav5
Fav6
Fav7
Fav8

Add Favorite: BBC One HD
Please choose which lists to add the channel to.

● Rename List ★ Add/Del Favourite BACK Cancel OK Confirm

Manhattan	◄ HD Channels ►	Fri 15 Feb 18:01

108 BBC One HD ★ 📺
109 BBC HD ★ 📺
119 ITV HD ★ 📺
126 Channel 4 HD ★ 📺
206 RT HD ★ 📺
209 NHK WORLD HD ★ 📺

● Delete ● Rename List ● Lock ★ Favourite OK Select

1. In the channel list, favourites lists can be selected in the same way as the Freesat TV and radio channel lists, by pressing the ❮ or ❯ buttons. Press **OK** to view a selected channel, ⭐ to change the favourites lists it is assigned to, or PIN lock it by pressing the yellow button. Red deletes the selected channel from the current favourites list and green renames the current list.

2. During normal TV viewing, you can quickly choose a channel from the favourites lists by pressing the ⭐ button. Use ❮ or ❯ to switch to the other lists, highlight the channel you want to watch, then press **OK**.
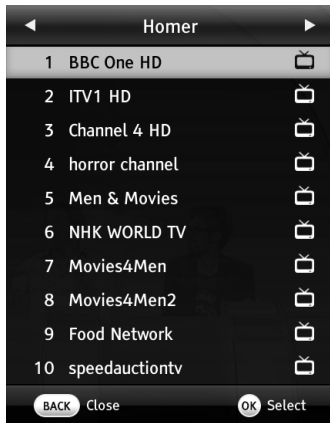
3. The programme guide can be filtered to only display the channels on a favourites list. Press **GUIDE** to display the genre screen, then press the ⟳ button on the remote control to display your favourites lists. Highlight the list you want to choose, and press **OK**. Press **BACK** from the guide to choose a different list.

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

THE LOCK PIN

Some of the Plaza HD•S2's functions can be locked to avoid accidental changes to the receiver's setup, and you can lock particular channels to prevent some 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 Plaza HD•S2. You can change the lock PIN, without re-installing the receiver, as explained later in this section.
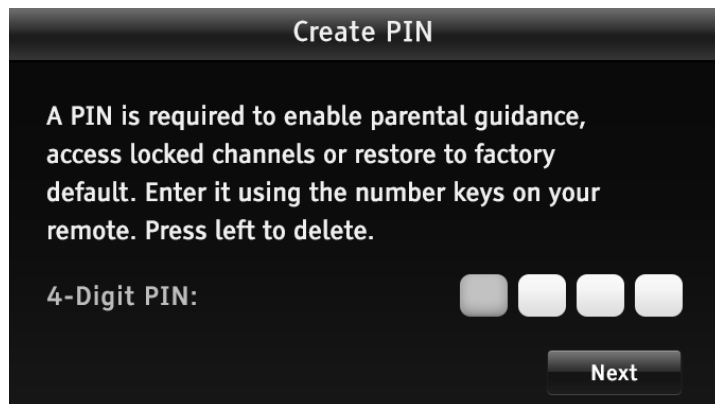
DISPLAY MODE

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 Plaza HD•S2 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 Plaza HD•S2'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 Plaza HD•S2 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.

24

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 yellow button to lock it. A padlock symbol is shown next to all locked channels in the channel list.

> **HINT:** If you want to unlock a channel that you have locked before, highlight it in the channel list and press the yellow button. You will need to enter the PIN to complete the process.

USING THE SETUP MENUS

You display the Plaza HD•S2's setup menu by pressing the **MENU** button on the remote control. This shows the five sections in a bar across the top of the screen with the first section highlighted in orange. The menu options for the highlighted section are listed below, along with a picture representing that section.

You can choose between the menu sections by pressing the ❮ or ❯ buttons to move the highlight along the section bar. You choose an option within the section shown by pressing the ⌄ button to move the highlight bar through the option list. Some of the selections available from different menu sections are for advanced use of the Plaza HD•S2. 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 ⌄ buttons. When you have finished making the changes you want, leave the menu system by pressing **BACK** or **EXIT**.
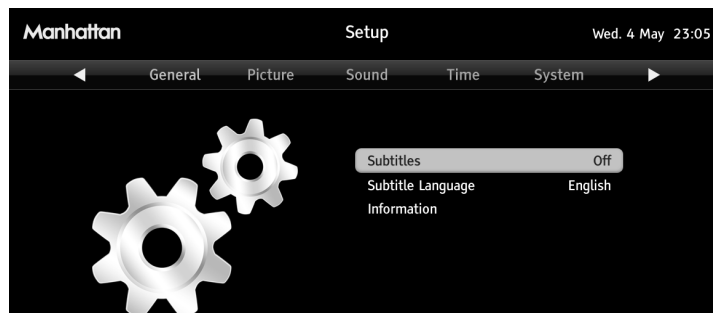
SUBTITLES

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 Plaza HD•S2 is set to English subtitles, but you can change this setting by pressing **OK** to show the subtitle language menu.

Use ⌃ and ⌄ to highlight the language you want for subtitles (if available) and press **OK**.
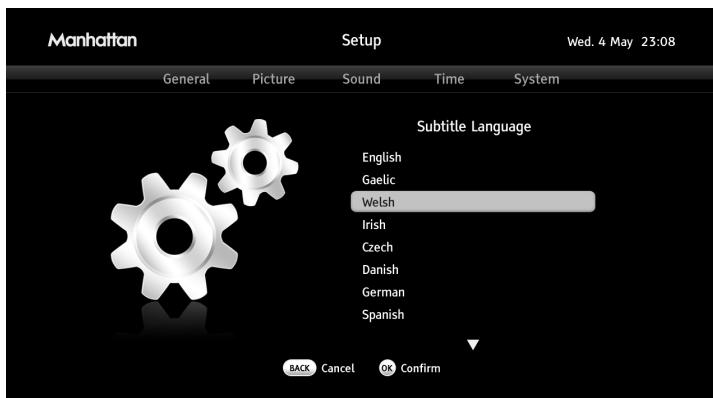
INFORMATION

Press **OK** to show technical information about your receiver, including the Helpline phone number, signal strength and quality readings.

> **HINT:** We recommend that you have this screen displayed on your TV if you need to phone the Plaza HD•S2 helpline.
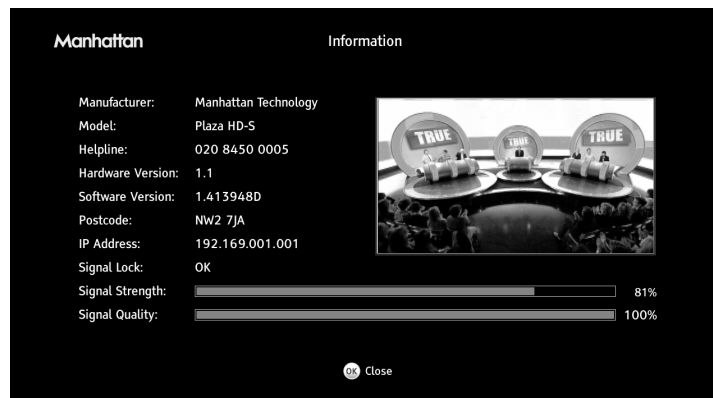
PICTURE MENU SECTION

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

| Manhattan | | Setup | | | Wed. 4 May 23:12 |
| ◄ | General | Picture | Sound | Time | System | ► |

Screen Type — 16:9 Widescreen
Display Mode — Auto
HDMI Resolution — 720p
Scart Mode — Composite
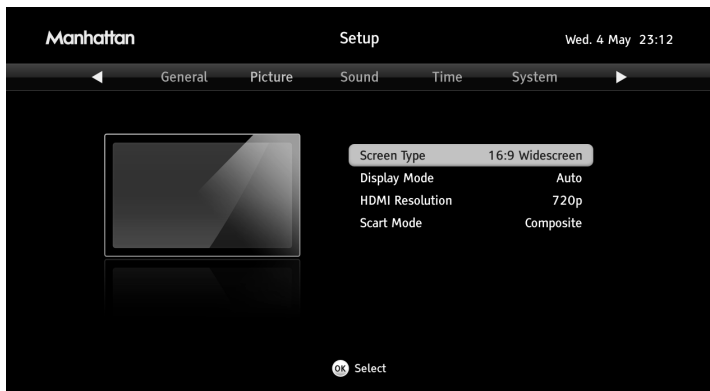
OK Select

SCREEN TYPE

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

> **HINT:** This setting overrides the screen type you selected when you first installed the receiver.

DISPLAY MODE

Press **OK** to show the display mode menu and use the ∧ and ∨ 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 22) 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 ∨ 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:** If you set an incompatible resolution or move your receiver to a different TV that doesn't support the active resolution, ensure the receiver is turned on and then press and hold the **MODE** button for 10 seconds. The resolution will be changed to 720p, which is supported by all HD televisions.

SCART MODE

Press **OK** to show the SCART mode menu and use the ∧ and ∨ 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 SCART 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 ⌄ buttons. When you have finished making the changes you want, leave the menu system by pressing **BACK** or **EXIT**.
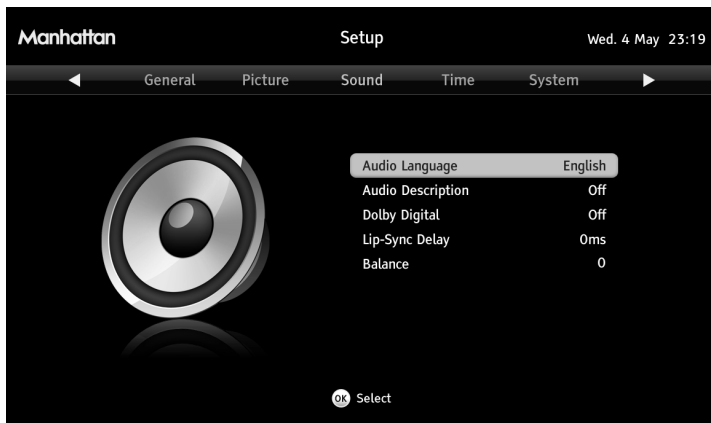
AUDIO LANGUAGE

The Freesat channels can broadcast in a number of languages. The Plaza HD•S2 is set to the English, but you can change this setting by pressing **OK** to show the audio language menu.

Use ⌃ and ⌄ to move the orange highlight bar to the language you want for the soundtrack and press **OK**.

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 ▣ symbol in the information bar). Switch off Dolby Digital by pressing **OK** again. Only turn this on if you have connected your Plaza HD•S2 to a product that supports Dolby Digital.

Warning! If you switch Dolby Digital on and your TV or sound system does not support it, you will not hear any audio on HD channels.

> **HINT:** The volume level of Dolby Digital is fixed, therefore you cannot use the volume control buttons when you watch programming with Dolby Digital.

LIP-SYNC DELAY

If you are using the S/PDIF output with a sound system and 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 menu on top of the normal TV picture, then use the ❬ and ❭ buttons to adjust the amount of audio delay in 10ms steps from 0-250ms. Press **OK** to confirm your choice and return to the sound menu.

BALANCE

You can alter the volume balance between the left and right stereo sound outputs by pressing **OK** to show the balance menu and using the ❮ or ❯ buttons to alter the balance in favour of the right side (positive) or left side (negative). Press **OK** to confirm the setting.

TIME MENU SECTION

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

Manhattan		Setup			Wed. 4 May 23:24
◄	General	Picture	Sound	Time	System ►

Auto Standby	On
Sleep Timer	Off
Auto Turn On	Off
Auto Turn Off	Off
Time Zone	London GMT

OK Select

AUTO STANDBY

To conserve power, the Plaza HD•S2 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 turn off by pressing the **OK** button.

SLEEP TIMER

Press **OK** to show the sleep timer menu and use the ⌃ and ⌄ buttons to choose a time up to 90 minutes after which the receiver automatically switches itself to standby. Press **OK** to confirm your choice.

AUTO TURN ON

You can set the Plaza HD•S2 to switch on automatically at a particular time. Press **OK** to show the auto turn on menu and use the ❮ or ❯ buttons to set the timer to turn the receiver on once, every day, each week, on weekdays, weekends, or particular days of the week. Then use the ⌃ and ⌄ buttons, along with the ❮, ❯ and the number buttons to set the switch-on time, the channel source (freesat TV or radio), the channel number and the sound volume. Press **OK** to confirm.

AUTO TURN OFF
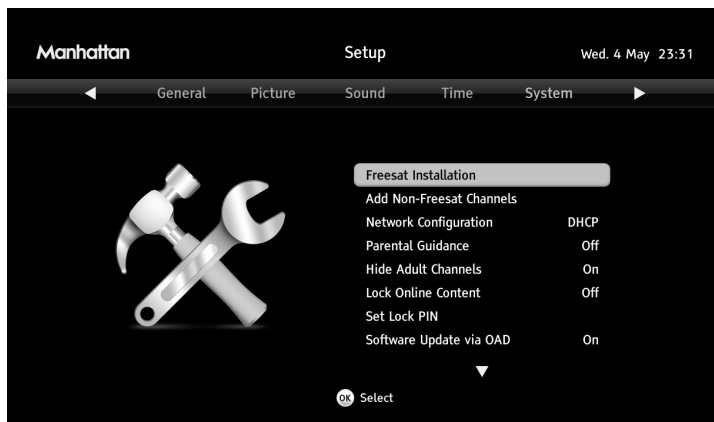
You can set the receiver to switch off automatically at a particular time. Press **OK** to show the auto turn off menu and use the ❮ or ❯ buttons to set the timer to turn the receiver off once, every day, each week, on weekdays, weekends, or particular days of the week. Then use the ⌃ and ⌄ buttons, along with the ❮, ❯ and number buttons to set the switch-off time. Press **OK** to confirm.

TIME ZONE

If the Plaza HD•S2 is used outside of the UK, you should set the time zone so the local time is correctly displayed. Press **OK** to show the time zone menu and use the ⌃ and ⌄ buttons to highlight the correct European time zone for your location. Press **OK** to confirm your choice.

SYSTEM MENU SECTION

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

Manhattan	Setup		Wed. 4 May 23:31

◀   General   Picture   Sound   Time   System   ▶

Freesat Installation
Add Non-Freesat Channels
Network Configuration   DHCP
Parental Guidance   Off
Hide Adult Channels   On
Lock Online Content   Off
Set Lock PIN
Software Update via OAD   On

▼

OK Select

FREESAT INSTALLATION

Press **OK** to retune all the Freesat channels. If you retune Freesat, you will lose all channels from the favourites lists (but not the lists' names), remove any channel locks you have set, and restore channels deleted from the channel list.

ADD NON-FREESAT CHANNELS

See the Non-Freesat Channels section of this guide (page 35) for full details of how you can add and watch non-Freesat channels.

NETWORK CONFIGURATION

See the On Demand TV section of this guide (page 32) for full details of how you can connect to and watch online services.

PARENTAL GUIDANCE

Press **OK** to turn on or off the parental guidance lock. This prevents watching any programme broadcast with a `G` parental guidance warning, or displaying the system menu, without first entering the lock PIN.

HIDE ADULT CHANNELS

Press **OK** to hide or show the adult Freesat channels. If you set the Plaza HD•S2 to hide adult channels, all adult genre channels are removed from the programme guide and the channel list, and they cannot be selected by putting in the channel number or by skipping through the channels with the **P ⌃** and **P ⌄** buttons.

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 32) for more details of how you can connect to and watch online services·

SET LOCK PIN

Press **OK** to show the set 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.

OAD SOFTWARE MANUAL SCAN

Press **OK** to immediately search for new software to download.

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.

RESTORE FACTORY DEFAULT

Press **OK** to revert all 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.

You must enter the lock PIN, and then confirm in another menu, to start the process because it will delete all channels, favourite channels, favourite channel list names, and the receiver configuration.

5

On Demand TV

This section explains how to set up the Plaza HD•S2 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.

> **HINT:** You can read the latest information about Freesat online TV services on the Freesat information page on channel 999.

SETTING UP FOR ON DEMAND TV

Ensure the ETHERNET socket at the back of the Plaza HD•S2 is connected to your router or hub. See the Connecting your receiver section (page 10) 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 RJ-45 socket will light and/or flicker.

Press the **MENU** button on the remote control and then press ❮ to display the System menu. You should check that the Network Configuration menu option shows "DHCP" to automatically configure the network connection.
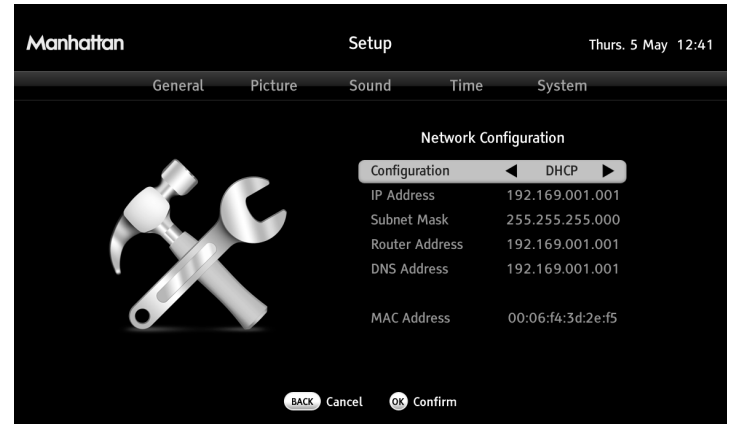
If your broadband modem/router is not compatible with DHCP (Dynamic Host Configuration Protocol), you will need to set the addresses manually. Use the ❮ or ❯ buttons to change the configuration to "Static" and for each of the addresses in turn (IP Address, Subnet Mask, Router Address, and DNS Address) press ❯ to highlight the address and then the red button to edit the address.

Highlight each of the four "octets" that is to be changed, enter the number required using the number buttons, and press **OK** to confirm that address. When all four addresses have been set correctly, press **OK** to set the configuration and return to the system menu page.

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

You can check that the receiver has successfully connected to the Internet from the technical information page. Press ❯ to display the General menu (or, if you are no longer on the System menu page, first press **MENU**) and use the ❯ button to highlight the "Information" option, then press **OK**.

If the IP address item shows a number in four sections separated by dots, then the receiver is connected to your local network. If online services still do not work, you should check your router's connection to the internet. If "Not Connected" is shown, you should carefully check the broadband connection and the Network Configuration.

WATCHING ON DEMAND TV

You can switch to On Demand TV either through the interactive services on a channel providing online TV, or through an online channel chosen by number or using the channel list or programme guide.
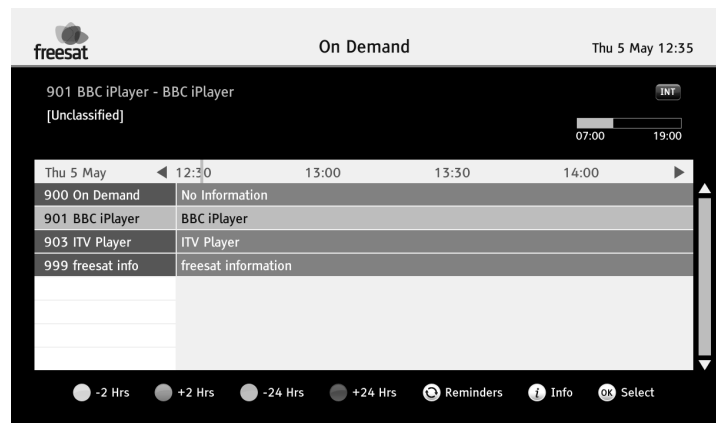
HINT: The online TV channels are numbered from 900 and are in the On Demand section of the programme guide

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.

WATCHING ON DEMAND TV (continued)

BBC iPlayer

Stewart Lee's Comedy Vehicle

12:25am, Thu, 5 May   BBC HD

1. Charity
Stewart sets out to explore ideas about charity
but ends up talking mostly about crisps.

Watch Now

Suitable for most
internet connections

Higher Quality

Contains some strong language.

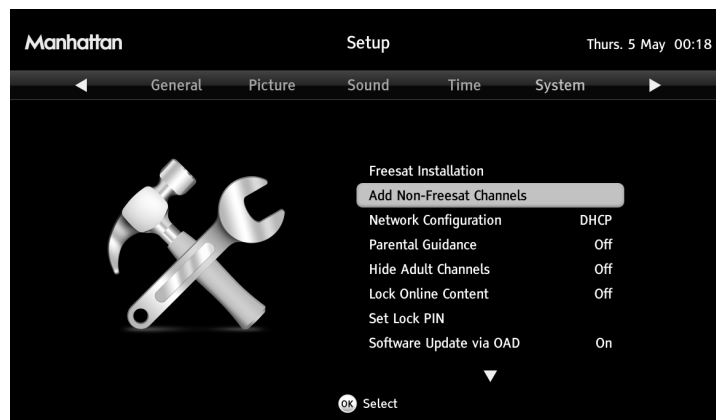Available for 41 days   30 minutes

● Home   ● Help   ● Back   ● Search

6

Non-Freesat Channels

This section explains how to set up your Plaza HD•S2 receiver to receive channels that are not included with Freesat. As well as receiving the many Freesat channels, the Plaza HD•S2 can also be used to watch other channels, as long as they are broadcast from the same satellites as Freesat and are free.
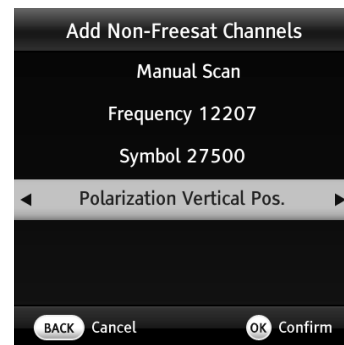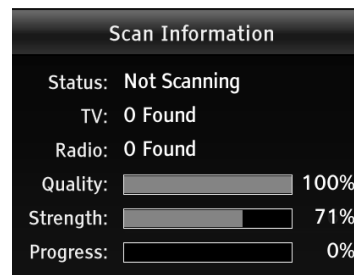
TUNING IN NON-FREESAT CHANNELS

Go to the Add Non-Freesat Channels menu by pressing **MENU**, then ❮ to display the system menu, and ⌄ to highlight the option to add non-Freesat channels, then press **OK**.

Manhattan	Setup			Thurs. 5 May 00:18
◄ General	Picture	Sound	Time	System ►

Freesat Installation
Add Non-Freesat Channels
Network Configuration   DHCP
Parental Guidance   Off
Hide Adult Channels   Off
Lock Online Content   Off
Set Lock PIN
Software Update via OAD   On
▼
OK Select

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 Plaza HD•S2 to scan all the transponders for non-Freesat channels. Choose between a manual scan or an automatic scan by pressing the ❮ or ❯ buttons.

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 by using the ❮ or ❯ buttons. You can move between the three items using the ⌃ and ⌄ buttons. When you have entered the tuning information, press **OK** to start the scan.

Scan Information

Status:	Not Scanning
TV:	0 Found
Radio:	0 Found
Quality:	100%
Strength:	71%
Progress:	0%

Add Non-Freesat Channels

Manual Scan

Frequency 12207

Symbol 27500

◄ Polarization Vertical Pos. ►

BACK Cancel   OK Confirm

> **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.

TUNING IN NON-FREESAT CHANNELS (continued)

The Plaza HD•S2 will take a few seconds to complete a Manual Scan and about five minutes to finish an Auto 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 ⌄ 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 information

bar displays the Manhattan logo instead of the Freesat logo.
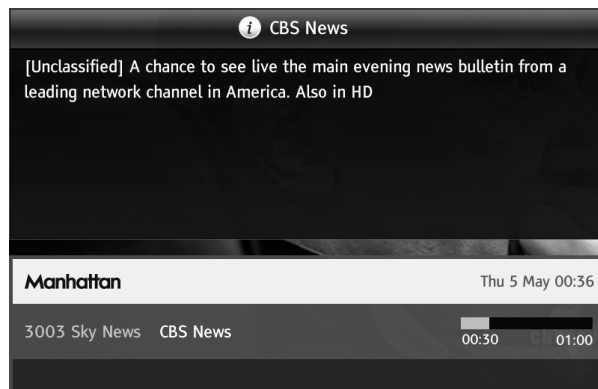
While watching a non-Freesat channel, you can step through the other non-Freesat channels by pressing the **P ⌃** or **P ⌄** buttons.

You can also switch directly to the channel you want using the number buttons. All the non-Freesat channel numbers have four digits. If you enter only the three digits of a Freesat channel, the receiver will switch to that Freesat channel.

> **HINT:** Non-Freesat TV channels are stored from channel number 3001 and non-Freesat radio channels from 4001.

While watching a Freesat channel 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.

You can browse through the non-Freesat channels and programmes in the same way as you browse the Freesat channels. Press i or ⌃ or ⌄ to display the information bar and then press the ⌃ or ⌄ 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.

When you have some non-Freesat channels stored, the channel list displays both Freesat and non-Freesat channels. If you have created any favourites lists, they will also be displayed. Go to the channel list by pressing the **LIST** button.

Now pressing ⟨ or ⟩ will take you through the channel lists available:

• Freesat TV Channels
• Freesat Radio Channels
• non-Freesat TV Channels
• non-Freesat Radio Channels
• favourites lists (if created)

You can use the same channel list functions for any of the lists, so you can search the non-Freesat channels for a word, lock or delete a channel, or add it to your favourites lists.

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

Appendix A – Safety

POWER

Your receiver requires a 100V to 240V AC ~ 50Hz mains supply and is fitted with a moulded plug. The mains plug is used as the disconnect device and shall remain readily operable. The USB port maximum load is 500mA under normal operation.

CABLES

Make sure all cables are positioned so they are not likely to be walked on, crushed or damaged by things placed on or against them. Pay particular attention to the power cable where it goes into the socket and where it comes out of the receiver. Do not connect or adjust cables to the receiver when it is plugged in.

TEMPERATURE AND MOISTURE

Use the apparatus only in moderate climates (not in tropical climates). Do not allow it to get wet as this is dangerous. Do not expose the apparatus to dripping or splashing. Do not place objects filled with liquids, such as vases, on the apparatus.

HEAT AND FLAMES

Do not place the apparatus near to naked flames or sources of intense heat, such as an electric fire. Do not place naked flame sources, such as lighted candles on the apparatus. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

VENTILATION

Slots and openings in the receiver's cover are for ventilation. Ensure a minimum distance of 5cm around the apparatus for sufficient ventilation. Ensure the ventilation is not impeded by covering the ventilation opening with items such as newspapers, table-cloths, curtains, etc. Failure to follow these instructions could lead to the receiver overheating.

CLEANING

Unplug the receiver before you clean it with a lightly dampened cloth. Do not use liquid or aerosol cleaners.

LIGHTNING

If there is a storm or lightning, unplug the receiver.

SERVICING

Make sure that anyone who services your receiver is qualified to do so. Do not remove the cover yourself – you could get an electric shock.

REPLACEMENT PARTS

If your receiver needs repairing, make sure the person carrying out the repair uses parts which are specified by us or which have the same specifications as the original part. Other parts may cause a fire, electric shock or other dangers.

ELECTRICAL SAFETY

Your receiver requires a 100V to 240V AC ~ 50/60Hz mains supply and is fitted with a moulded plug. If the plug breaks or becomes damaged do not use it. If you change the fuse in the plug ensure you refit the fuse cover. If the plug requires replacement please follow these instructions. The wires in the mains lead are coloured in accordance with the following code:

BLUE - Neutral
BROWN - Live
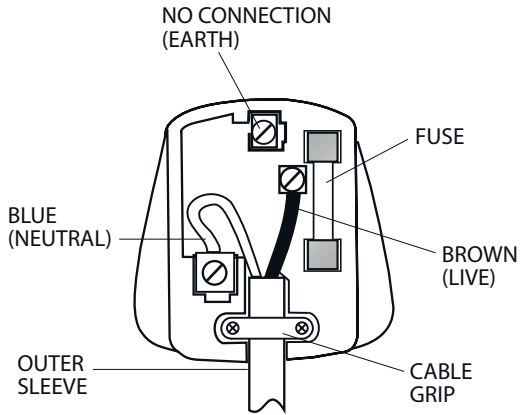
As the colours in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

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

The wire which is coloured brown or red must be connected to the terminal which is marked with the letter L or coloured Red. No connection is to be made to the Earth terminal of the plug as this product is double insulated.

If a 13 Amp (BS1363) Plug is used, fit an ASTA approved (BS1362) 3 Amp fuse only. Your product is fitted with a moulded plug. If it requires replacement please cut off and dispose of safely, then rewire as shown opposite.

PROTECTING THE ENVIRONMENT

If you one day find that your receiver or remote control needs replacing, or are of no further use to you, do not throw them out with your household waste. Under the Waste Electrical and Electronic Equipment (WEEE) regulations, your local council must provide a suitable recycling centre.

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.

Appendix B – Troubleshooting

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Power light off	Power supply cable disconnected.	Check the power supply cable.
No set up screen	Receiver not switched on.	Check the mains adapter is plugged in and mains socket is turned on. Turn on receiver.
	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	Cable from the satellite dish disconnected.	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.
Not accepting postcode	Broadcast error.	Postcode tables are not being transmitted. Use green 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.
	Freesat satellite failure.	Read the warning box on page 13 & check our website at www.manhattan-tv.com
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	Selected an incompatible HDMI resolution – many TVs don't support 1080p or 1080i, but only 720p.	Whilst the receiver is on, press and hold the **MODE** button for 10 seconds and the resolution will be changed to 720p.

PROBLEM	POSSIBLE CAUSE	WHAT TO DO
Full picture not visible	Mismatched screen format or that is how the programme is being broadcast.	Using the Picture menu, choose the correct screen type and display mode to suit your TV (see page 27).
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 Time 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.
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 C – Specifications

Tuner	Standard	DVB-S/S2
	Input frequency	950~2150MHz
	Input connector	F type, female 75 ohm
	LNB supply	13V/18V (maximum 350mA), short-circuit protected
	Digital signal input level	-65dBm to -20dBm
Video	HDMI output	Resolution 576i / 576p / 720p / 1080i /1080p
	SCART output	TV (CVBS/RGB)
	Aspect ratio	16:9 Widescreen & 4:3 Traditional
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
Power Requirements	Mains input voltage	100-240V AC~ 50/60Hz
	Power consumption	Max 20W (LNB with 350mA)
Dimensions	Width x Depth x Height	210mm x 137mm x 41mm
Weight	Receiver only	550 grams

Notes

HELPLINE: 020 8450 0005

ONLINE: www.manhattan-tv.com

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