Contents

STRONG DIGITAL TV

ENGLISH

Your set-top box has been manufactured to meet international safety standards, but you must take care if you want to obtain the best results and operate it safely.

It is important that you read this booklet completely, especially the safety instructions below. *If you have any doubts about the installation, operation or safety of your set-top box, please consult your dealer*.

WARNING!

Remember that contact with 230 V AC mains can be lethal or can cause a severe electric shock. To avoid this risk:

⚡ **Never remove the top cover from your set-top box. There are no user-serviceable parts inside it, but there are some high-voltage live parts.**

⚡ **Make sure that all electrical connections are properly made.**

⚡ **Do not connect any of your equipment (set-top box, TV, video recorder etc.) to the mains supply until you have properly connected all the other leads.**

⚡ **Disconnect your set-top box from the mains supply (by disconnecting its mains lead from the mains wall socket) before you disconnect any other equipment from its rear panel.**

⚡ **Never push anything into the holes, slots or other openings of the set-top box case (except a smart card into its correct slot).**

CAUTION!

✔ In order to ensure a free flow of air around the set-top box, allow at least 5 cm of space above and around the set-top box.

✘ Never stand your set-top box on soft furnishings or carpets. Do not cover any ventilation slots.

✘ Do not place your set-top box in an unventilated cabinet or on top of a unit which emits heat (e.g. a TV or VCR).

✘ Do not place your set-top box in a cabinet with more than one other piece of audio/video equipment, for example, VCR or DVD.

✘ Do not use or store your set-top box in hot, cold, damp or dusty places.

✘ Do not put anything on your set-top box which might drip or spill into it. Never stand objects filled with liquids, such as vases, on top of your set-top box.

✘ Never place naked flame sources, such as lighted candles, on top of your set-top box.

Welcome to digital satellite TV!

Thank you for choosing the Pace set-top box for Viasat. Please follow the instructions in this User Guide carefully to enjoy all the advantages of digital satellite TV. We advise following the user instructions and recommendations supplied with your set-top box, especially for first-time use.

Your set-top box fully complies with international DVB (Digital Video Broadcasting) standards.

❖ Updates to your set-top box

From time to time, your set-top box may be updated. These updates provide enhanced features; new screens and menus may become available. Although any new screens and menus may look a little different from those described in this User Guide, you should be able to use the same techniques (e.g. highlight and select) with them.

Updates will usually happen in the middle of the night. You should not unplug your set-top box at the mains, as this may affect any updates which may occur.

❖ Inserting the batteries in your remote control

Before you can use your remote control, you must insert the two supplied AAA batteries as follows:

1. Push the catch at the top of the remote control battery cover down, then lift off the cover.

2. Insert the batteries as shown below. Be sure to match the + and – marks on the batteries to their respective marks inside the battery compartment.

3. Replace the battery cover, by inserting the tab at the bottom of the cover first, then pushing the cover into place.
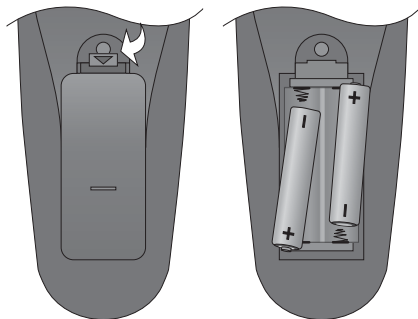
✘ Don't leave flat batteries in your remote control.
✔ Replace both batteries at the same time.
✔ Dispose of flat batteries in an environmentally-friendly way.

❖ Remote control buttons: quick reference

⏻
To put your set-top box into or out of standby

number buttons (0-9)
To change channel and enter numbers

epg
To display the Viasat epg

**colour buttons
(red, green, yellow, blue)**
To perform various functions, depending on what is showing on your TV screen

red colour button
To switch between digital satellite TV and terrestrial TV

back
To go back to the previous screen or menu

exit
To remove a menu or on-screen display and redisplay digital TV or radio

ch + and −
To change channel up or down

tv/radio
To change between digital TV and digital radio channels

info
To display the channel banner and extra programme information

🔇
To turn the sound on or off

guide
To display the portal, to use interactive services

OK
To confirm a choice or make a selection

▲, ▼, ◀ and ▶
To move the highlight around the screen

menu
To display the main menu

options
To change the audio or subtitle language

vol + and −
To change the volume up or down

status
To display a screen to check the satellite signal quality

Note

Some of these buttons are described in more detail on the next page.

Your remote control

❖ Making the most of your remote control

Changing channel

number buttons (0-9)
To change channel

ch + and –
To change channel up or down

tv/radio
To change between digital TV and digital radio channels

red colour button
To switch between digital satellite TV and terrestrial TV

Displaying menus and on-screen displays

epg
To display the Viasat epg (electronic programme guide)

guide
To display the portal, to use interactive services

yellow colour button
To display the TV or radio channel list

info
To display the channel banner; to display extra programme information

menu
To display the main menu

options
To change the audio or subtitle language

Using menus and on-screen displays

number buttons (0-9)
To enter on-screen numbers such as your PIN code

colour buttons
To perform various functions, depending on what is showing on your TV screen

▲ and ▼
To move the highlight up and down a list

◄ and ►
To move the highlight left or right or change what is displayed on screen;
◄ - to delete a number

OK
To confirm a choice or make a selection

exit
To remove a menu or on-screen display (without saving any changes) and redisplay digital TV or radio

back
To remove a menu (without saving any changes) and go back up to the previous screen

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❖ Front panel

epg button
To display the Viasat epg
(electronic programme guide)

remote control sensor
Window that receives the
signal from your remote
control (do not block)

menu button
To display the
main menu

back button
To remove a menu
and go back up to
the previous screen

smart card slot
To insert your
smart card

◄, ►, ▲ and ▼ buttons
To move the highlight and
change what is displayed on
screen
◄, ► - to change the value
of a setting
◄ - to delete a number

OK button
To confirm a choice or
make a selection

⏻ button
To switch your
set-top box into
or out of standby

standby light
Lights up red when your set-top
box is in standby
Lights up green when your set-
top box is out of standby
Lights up orange if your set-top
box is on but is not receiving a
signal from the satellite

ir receive light
Lights up red when your set-top
box is receiving a signal from
your remote control

message light
Lights up yellow when there is a
message waiting
Flashes yellow when it is an
important message

online light
Lights up green when your set-
top box is connected to the
network via your telephone line

Your set-top box

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❖ **Rear panel connectors overview**

Full details about connecting up and installing your set-top box begin on page 8.

ANT IN
To connect the lead from your TV antenna

230V ∿ 50Hz mains in

Do not connect the mains plug to the wall socket until you have made ALL the other connections

SAT IN
To connect the lead from your satellite dish

TO TV
To connect an RF lead to your TV (or VCR)

telephone line in
To connect the telephone lead

SPDIF (optional connector)

3.5 mm combined digital-optical and analogue-stereo audio connector. This connector is not fitted on all models

To connect to *either* a digital-optical *or* an analogue-stereo audio input on your home cinema, TV, video recorder or stereo sound equipment

You can use this dual-purpose connector to connect to various audio inputs - please consult your electrical retailer for more details of the leads available

SCART VCR
To connect to the SCART connector on your VCR (if your VCR has a SCART connector)

SCART TV
To connect to the SCART connector on your TV (if your TV has a SCART connector)

WARNING

Always disconnect your set-top box from the mains supply before you connect it to (or disconnect it from) any other equipment.

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To install your Viasat set-top box, follow the instructions from this page up to page 22.

❖ The supplied equipment

If you have not already done so, remove all the packaging.

You should have the following items:

- ◆ Viasat set-top box (see page 7)
- ◆ Remote control and batteries (see page 4)
- ◆ User guide
- ◆ Mains lead - with 2-way set-top box connector and 2-pin mains plug (see right)
- ◆ SCART lead (see right)
- ◆ RF lead (see right)
- ◆ Telephone lead - RJ11 to RJ11 (see right)
- ◆ Telephone line (RJ11) adapter suitable for your location (see page 13)

Mains lead

SCART lead

❖ Where to place your set-top box

RF lead

Before you start, make sure that your TV, VCR and set-top box will be placed in a location that is conveniently located:

- ◆ near an easily-accessible mains wall socket;
- ◆ within reach of your TV-antenna and satellite-dish leads;
- ◆ within 10 metres of a telephone point. (If not, you will need an extension telephone lead.)

Telephone lead

WARNING ═══════════════════════

Before you connect your set-top box to any other equipment, you must disconnect ALL the equipment from the mains supply.

Installation

❖ What else do I need?

Smart card

If you wish to view premium services, you will need a smart card. This is available from your service provider, Viasat.

Satellite dish

You will need a correctly-installed satellite dish, pointing at the correct satellite(s).

- ◆ If you have a satellite dish but it is not pointing at the correct satellite(s), you will need to make adjustments. Please see the information supplied with your dish/LNB for details on how to do this, or seek professional advice.

- ◆ If you do not have a satellite dish installed, please ask your dealer to recommend a local dish-installation engineer.

Single LNB

If you have one LNB only, to ensure the simplest installation method, and for the best Viasat channel line-up, you should use the 'Sirius' satellite, at 5° East. However, if you prefer, you can set up your system for any one of the four satellites listed in the LNB positions table below.

Multiple LNB set-up

If you are using a DiSEqC™ unit* with 2 or more LNBs/satellite dishes, to ensure a simpler installation, and for the best Viasat channel line-up, you should connect up the LNBs to the DiSEqC™ ports as shown in the LNB positions table below.

You must then connect your DiSEqC™ unit to the satellite input on your set-top box (see also pages 10 to 12).

LNB positions table

Satellite	Position	Recommended DiSEqC™ port (for multiple LNB set-ups)
Thor	1° West	1
Sirius	5° East	2
Hotbird	13° East	3
Astra	19° East	4

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*DiSEqC™ is a trademark of Eutelsat.

Connection method 1:
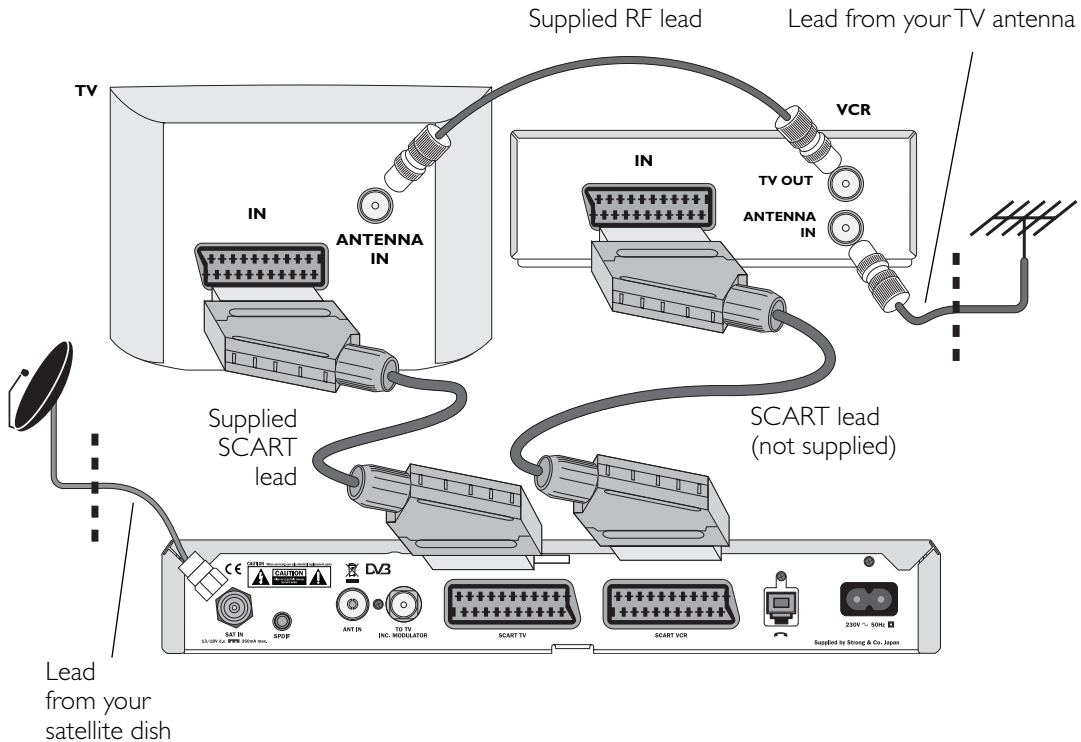## To TV and VCR (with RF loopthrough)

If you wish to connect your set-top box to a TV (with or without a SCART connector) and a VCR (without SCART connectors), connect up as shown in the diagram below.
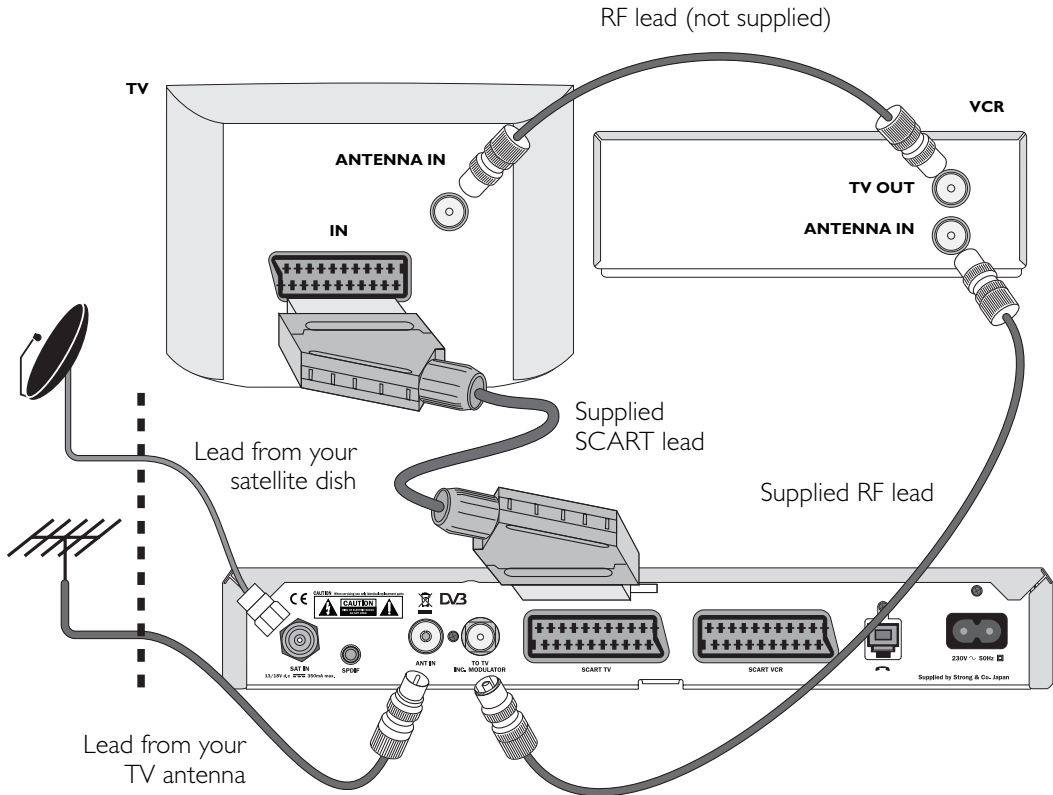
1. If your TV has a SCART connector, use the supplied SCART lead to connect your set-top box to your TV, for improved quality picture and sound.

2. Use the supplied RF lead to connect from your set-top box's RF out connector (marked **TO TV**) to the antenna input on your VCR.

3. Use an RF lead (not supplied) to connect your VCR to your TV as shown.

4. Connect the lead from your TV antenna to the antenna input connector (marked **ANT IN**) on your set-top box.

5. Connect the lead from your satellite dish to the satellite input connector (marked **SAT IN**) on your set-top box.

Installation

Connection method 2:
To TV and VCR

If you have a VCR with a SCART connector and a TV with a SCART connector, you can connect up as shown in the diagram below.

Supplied RF lead   Lead from your TV antenna

TV

VCR

IN

IN

TV OUT

**ANTENNA
IN**

**ANTENNA
IN**

Supplied
SCART
lead

SCART lead
(not supplied)

SAT IN   SPDIF   ANT IN   TO TV INC. MODULATOR   SCART TV   SCART VCR   230V ~ 50Hz   Supplied by Strong & Co. Japan

Lead
from your
satellite dish

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1. Use the supplied SCART lead to connect your set-top box to your TV.

2. Use a SCART lead (not supplied) to connect your set-top box to your VCR.

3. Connect the lead from your satellite dish to the satellite input connector (marked **SAT IN**) on your set-top box

The RF connection is not required for digital satellite TV. However, you may wish to connect RF leads as shown, to continue to view or record terrestrial TV from your TV antenna.

You must then connect the lead from your TV antenna to the antenna input connector on your VCR.

Connection method 3: To TV only

If you wish to connect your set-top box to a TV only, connect up as described in 3A or 3B below.
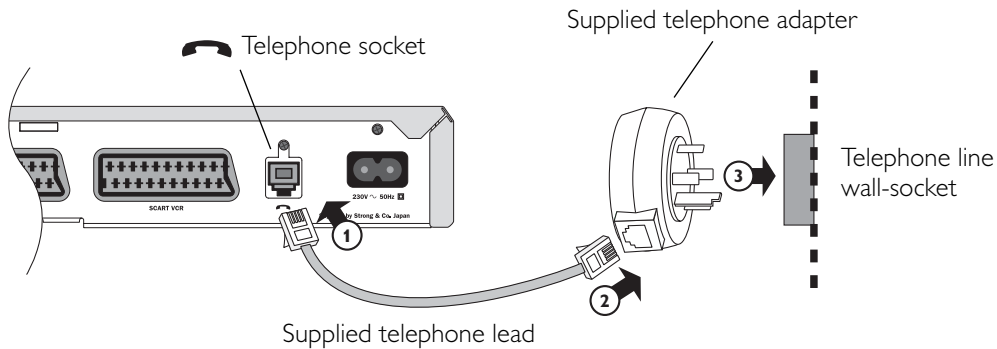(The diagram below shows methods 3A and 3B combined.)
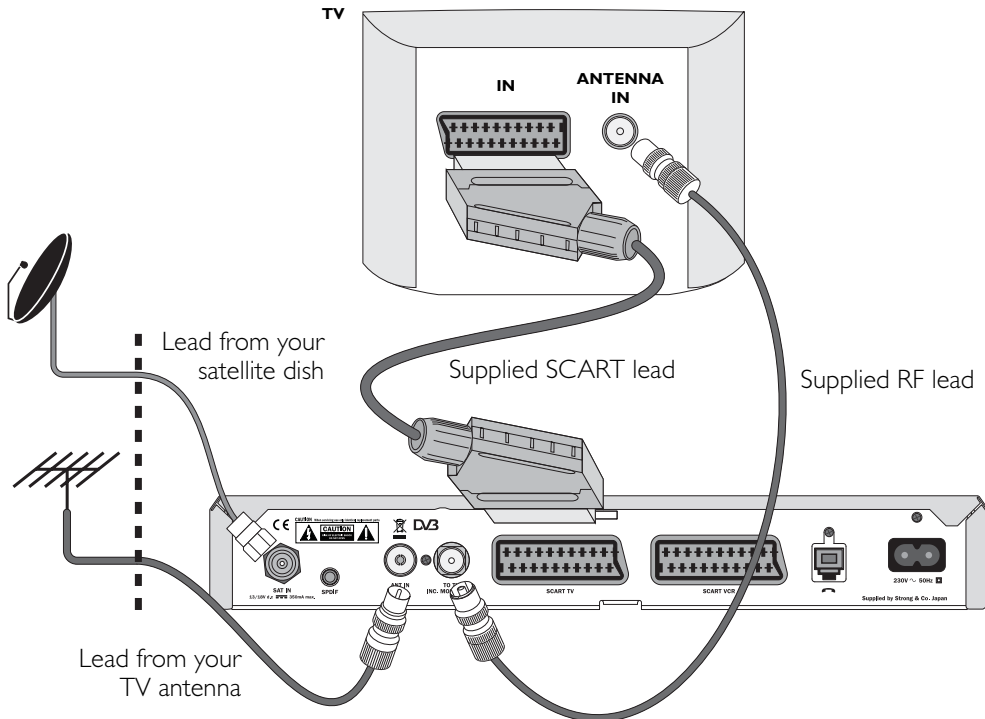
3A: If your TV has a SCART connector

1. Use the supplied SCART lead to connect your set-top box to your TV.

2. Connect the lead from your satellite dish to the satellite input connector (marked **SAT IN**) on your set-top box.

3. To continue to view terrestrial TV from your TV antenna, connect the lead from your TV antenna directly to your TV (*not shown on the diagram*).

**3B: If your TV does not have a SCART connector**

1. Use the supplied RF lead to connect from your set-top box's RF out connector (marked **TO TV**) to your TV.

2. Connect the lead from your satellite dish to the satellite input connector (marked **SAT IN**) on your set-top box.

3. Connect the lead from your TV antenna to the antenna input connector (marked **ANT IN**) on your set-top box.

Installation

❖ Connecting to the telephone line

Telephone socket

Supplied telephone adapter

Telephone line wall-socket
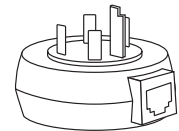
Supplied telephone lead

Note

If your telephone wall socket is *not* an RJ11 socket (see below), you will need to use one of the supplied adapters, shown right.
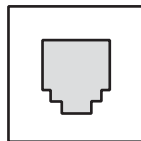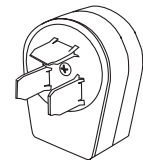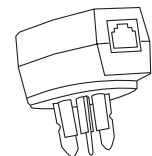

RJ11 socket

If your telephone wall socket is an RJ11 socket, you may need a splitter (not supplied) so that you can plug in both your set-top box *and* your telephone.
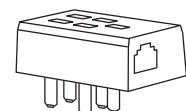
1. Insert one end of the supplied telephone lead into the telephone socket (labelled ☎) on the rear panel of your set-top box, as shown in the diagram at the top of the page.

2. If you need to use an adapter, choose the correct adapter for your location. If you are not sure which one to use, compare with your telephone connector.
    Insert the free end of your supplied telephone lead into the RJ11 socket on the adapter.

3. Remove your telephone connector from your telephone wall socket. Insert your telephone connector into the correct socket on your adapter.
    Insert the adapter into your telephone wall socket.

Adapter for Sweden

Adapter for Denmark

Adapter for Norway, Finland and Estonia

Adapter for Russia, Latvia, Lithuania and Estonia

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❖ Inserting your smart card

1. Take your smart card from its packaging (if you have not already done so) and hold it so that the picture is facing upwards, with the arrow pointing towards your set-top box, and the 'smart' patch is facing downwards and at the end away from you.

2. Insert the smart card into the smart card slot of the front panel of your set-top box. Insert it as far as it will go, without forcing it.

Taking care of your smart card

- ◆ Do not remove and re-insert your smart card unnecessarily.
- ◆ Do not bend your smart card; keep it away from children and pets.
- ◆ Do not put your smart card in liquids or use cleaning fluids on it.

❖ Connecting a 'magic eye'

On some models, you may be able to connect a 'magic eye' (not supplied) to the RF output on your set-top box, so that you can operate your set-top box from a different room.

To connect the magic eye, consult the instructions that came with it.

If you have connected up a magic eye, you must switch on the magic eye support - see page 36.
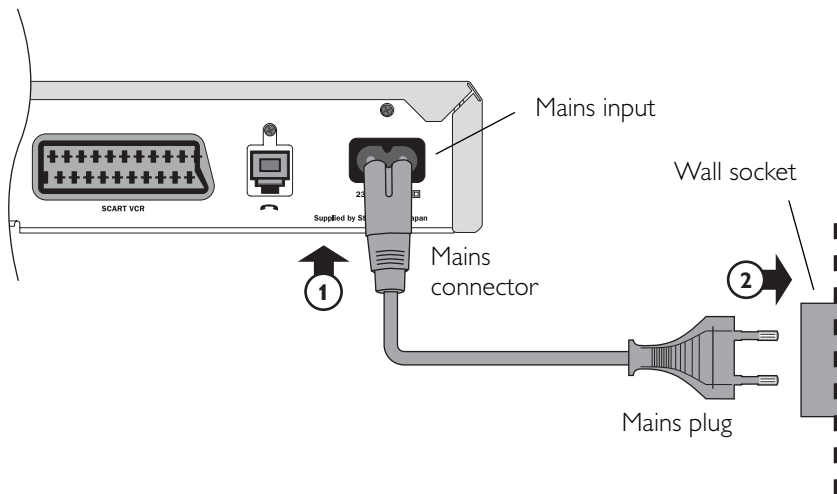
❖ **Connecting to the mains supply**

Once you have safely made all the other connections, you can connect your set-top box to the mains supply.

1. Using the supplied mains lead, insert the set-top box mains connector into the mains input (marked **230V ∿ 50Hz**) on your set-top box, as shown in the diagram below.

2. Connect the mains plug to the mains wall socket as shown in the diagram below.

3. If there is a switch by the mains wall socket, switch it on.

4. Connect your other equipment to the mains supply.

WARNING

DO NOT connect the mains plug to the wall socket until you have made ALL the other connections.

Notes

Your set-top box operates with 230V AC, 50Hz mains supplies. ***Do not connect it to a DC power supply.***

The supplied mains lead has a 2-way connector at one end and a mains plug at the other. You should always insert the 2-way connector into your set-top box ***before*** you insert the plug into the mains supply.

The only way to disconnect your set-top box from the mains is to remove the mains lead. Your set-top box must therefore be installed near to the mains socket-outlet, which should be easily accessible.

If you are in any doubt about the mains lead, its plug or its connection, consult a competent electrician.

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❖ Switching on for the first time

When you connect your set-top box to the mains, your set-top box's front panel lights go through a start-up sequence. After about 20 seconds, your set-top box is switched on and out of standby, and the standby light is green.

◆ Make sure your TV is switched on.

If the Countries screen below displays, your TV is ready for digital satellite channels.
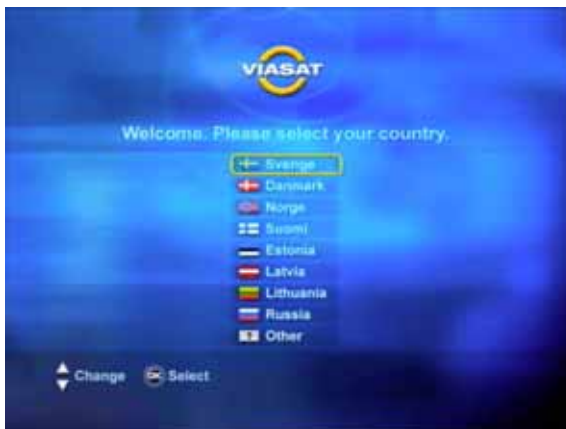
You can now continue the installation by turning to the section 'Making the installation settings' on page 18, but note that if you have a VCR connected to your set-top box via an RF lead (as in connection method 1), to be able to record satellite programmes, you may need to perform RF Tuning for your VCR - see page 17.

If the Countries screen does not display...
If you have connected your set-top box to your TV (and VCR) via SCART leads, try selecting your TV's 'AV input'.

If you have connected your set-top box to your TV (and VCR) via RF leads only, you need to tune a 'channel for satellite TV' (see 'RF Tuning' on page 17).

Installation

❖ RF Tuning

If you have connected up your equipment via RF leads, you may need to perform RF tuning before you can watch digital satellite TV.

Note

If you have previously had an analogue satellite receiver connected to your TV (and/or VCR), you may find that your 'channel for satellite TV' still works for your new digital channels. Try it to see - if it works you do not need to perform RF tuning.

RF tuning your TV (and VCR) to your set-top box

1. Make sure your set-top box is out of standby (the standby light on the front panel should be green).

2. Consulting your TV's user guide if necessary, tune the TV until you can see the Countries screen (see page 16) on your TV screen.

3. Store your new 'channel for digital satellite TV' on a TV channel number of your choice. For example, if your terrestrial channels are channels 1 to 5, and your 'VCR channel' is channel 8, you may wish to use TV channel 9 as your 'channel for digital satellite TV'.

4. If you have a VCR, set your TV to its 'VCR channel', then tune your VCR until you can again see the Countries screen.

If you cannot RF tune your TV (or VCR) to your set-top box...

Your set-top box's factory preset RF *output* channel is channel 38. (This is not the same as a TV channel).

If channel 38 is not compatible with your TV, for example if it is already being used as your VCR's output channel, or for a terrestrial channel, you may find you cannot tune your TV to your set-top box because of interference.

Changing the RF output channel is covered in the setup section (see page 35).

RF channels may also be known as *UHF* channels.

❖ Making the installation settings

Choosing your country

If you have completed the installation instructions up to this point, the Countries screen is displayed on your TV screen. (See page 16 for a picture of the Countries screen.)

1. Take your remote control. If you have not already inserted the batteries, do so now (see page 3).

2. Press ▲ or ▼ until the country you want is highlighted, then press **OK**.

A Welcome screen now displays.
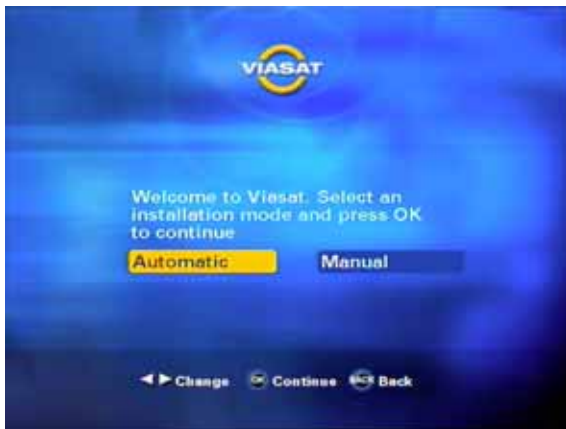
If you have:

◆ one LNB only, directed at *Sirius*, or

◆ two LNBs only, directed at *Thor* and *Sirius*,

you can carry out an 'Automatic' installation.

If you have any other LNB set-up, you must carry out a 'Manual' installation.

3. Use ◄ or ► to highlight the correct installation mode, then press **OK**.

◆ If you selected 'Automatic', next see the section: 'Checking the signal and searching for channels' on page 20.

◆ If you selected 'Manual', next see the section 'Setting the antenna configuration and choosing a satellite' on page 19.

Installation

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Setting the antenna configuration and choosing a satellite

When you select 'Manual', the Antenna Configuration screen displays.

1. Press ◄ or ► to select the number of LNBs you have in your set-up.

2. Press ▼ to highlight the 'LNB Index' line, then press ◄ or ► to select LNB Index 1.

3. Press ▼ to highlight the 'Satellite' line, then:

   ◆ If you are using a single fixed LNB, press ◄ or ► to select the satellite that your LNB is set-up for. Then press **OK** and continue to the section 'Checking the signal and searching for channels' on page 20.

   ◆ If you are using a DiSEqC™ unit*, select the satellite for the LNB connected to port 1.

4. Press ▲ to highlight the 'LNB Index' line, then press ► to select LNB Index 2.

5. Repeat steps 3 to 4 to select an LNB Index for each of the ports on your DiSEqC™ unit. Then press **OK** and continue to the section 'Checking the signal and searching for channels' on page 20.

*DiSEqC™ is a trademark of Eutelsat.

Checking the signal and searching for channels

The Signal Quality screen is now displayed. You use this screen to confirm that your set-top box is receiving a satellite signal.

The details on the screen show the name of the satellite, together with bars showing the strength and quality of the signal being received from this satellite.

Your set-top box must receive both a signal strength and a signal quality of about 60% in order to successfully find channels.

Follow the instructions for 'Automatic set-up' below or 'Manual set-up' on page 21, depending on which set-up you have chosen.

Automatic set-up

Your set-top box is preset in the factory with the correct LNB settings to receive signals from up to **two** satellites.

1. Press ◄ or ► to change which LNB index details are displayed.

2. Check that your set-top box is receiving an adequate signal according to the table below.

If you have...	*Check for adequate signal strength and quality on...*
A single, fixed, universal LNB	Index 2, Sirius
Two, fixed, universal LNBs	Index 2, Sirius *And* Index 1, Thor

If there is no signal, check your installation. Check all the connections are properly made. See also the section 'Solving problems' on page 43.

3. When you are satisfied that there is an adequate signal, press **OK**.

The Channel Auto-Search screen displays.

4. To start the channel search, press **OK**.

Installation

A progress screen displays to confirm that the search is taking place.

When the search is complete, a screen displays to tell you the number of TV and radio channels that your set-top box has found.

5. To confirm these channels and display the next screen, press **OK**. Then see 'Activating your subscription' on page 22.

Manual set-up

1. Press ◄ or ► to change which LNB index details are displayed.

2. Check that your set-top box is receiving an adequate signal on the satellites that you selected for each LNB index.

If there is no signal, check your installation. Check all the connections are properly made. See also the section 'Solving problems' on page 43.

3. When you are satisfied that there is an adequate signal, press **OK**. The Manual Search screen displays.

The 'Satellite' line shows the satellite you selected as LNB index 1, and the details below show the search settings for that satellite.

If you have more that one LNB, you can view the details for each satellite by highlighting the 'Satellite' line then pressing ◄ or ►.

You should not need to change the settings, as your set-top box is preset with the correct settings to receive the best channel line-up. If you use the preset settings, you can still search other frequencies at a later date (see page 41).

4. If you do not want to change any search settings, go straight to step 8.

5. If you want to change the search settings, first highlight the 'Satellite' line, then press ◄ or ► to select a satellite.

6. Press ▲ or ▼ to highlight each item you want to change, then use the number buttons or ◄ and ► to enter the values you want.

7. Repeat steps 5 and 6 to change the details for each satellite.

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8.   Press **OK** to confirm the details and start the search.

A progress screen displays to confirm that the search is taking place.

When the search is complete, a screen displays to tell you the number of TV and radio channels that your set-top box has found.

9.   To confirm these channels and display the next screen, press **OK**. Then see 'Activating your subscription' below.

Activating your subscription

Note

If you have not yet inserted your smart card, insert it the correct way round now (see page 14). If you do not have a smart card, but you wish to view premium services, contact Viasat to obtain a smart card.

Once your set-top box has found the satellite channels, the Subscription Activation screen displays.

1.   To activate your subscription, follow the instructions that are given on the screen.

2.   When the subscription activation is complete, press **OK**.

Switching on and off

Whenever you are not using your set-top box you should put it into standby. You should not unplug it at the mains socket.

◆   To put your set-top box into standby, press ⏻.

◆   To take your set-top box out of standby, press ⏻.

Surfer

❖ What is the Surfer?

The Surfer is an on-screen guide that helps you get the most out of digital satellite TV. You use it to:

- ◆ change channel;
- ◆ find out what is showing on other channels, both now and later on;
- ◆ find out more about a programme you are interested in;
- ◆ change the audio or subtitle language;
- ◆ use interactive features.

❖ Changing channel

You can change channel by using:

- ◆ the number buttons;
- ◆ the **ch +** and **–** buttons; or
- ◆ one of the on-screen methods described in the following sections.

❖ Unlocking a locked channel

If you have used Parental Control to set an Age lock level (see page 32), then programmes broadcast with a rating above the level you have set, will be locked.

If you want to watch a locked programme, you will need to enter your PIN code (see page 31).

If the following message appears when you change channel:

Please enter PIN code to unlock channel

1. Use the number buttons to enter the correct PIN code.
2. If you make a mistake, press ◀ to delete a number.
3. When you have entered the correct number, press **OK**.

If the PIN code is correct, the programme you want to watch displays.

If the PIN code is not correct, you will see a message to tell you. You can either try again, or change channel to a channel that is not locked.

❖ Displaying the channel banner

You can display a banner to show information about the current channel, and the programmes showing on it 'now' and 'next'.

◆ To display the banner, press **info**.

Shows that subtitles are available (see page 27).

Shows that other audio languages are available (see page 27).

Shows the start and finish times of the programme, and how much of the programme has already been shown.

◆ To display information about the programme on *next*, press ▶.

◆ To redisplay information about the programme on *now*, press ◀.

◆ To display extra programme information (see page 25), press **info** again.

◆ To remove the banner, press **back**.

Note

This banner also displays briefly when you change channel. It automatically disappears after a few moments.

❖ Displaying extra programme information

While the channel banner is displayed, you can display extra information about the programme listed in the banner.

◆ While the channel banner is displayed, to display extra programme information, press **info**.
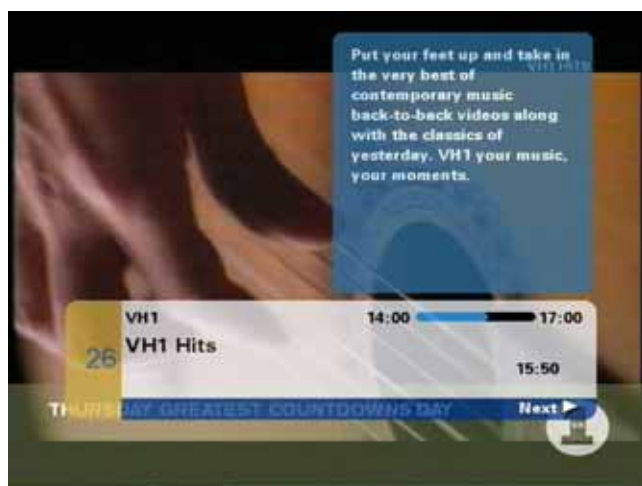
◆ You can press ◀ and ▶ to change between information about the programme on *now*, and information about the programme on *next*.

◆ If the extra programme information spreads over more than one page, you can press the **blue colour** button to switch between the pages.

◆ To remove the extra programme information, press **back**.

ENGLISH

❖ Using the TV and radio channel lists

You can use the TV and radio channel lists to find out what is showing on all channels.

◆ To display the channel list, press the **yellow** button.

The list of channels displays. The current channel is highlighted by the channel banner (see page 24).

◆ To change which channel is highlighted by the channel banner, press ▲ or ▼. (The banner stays in the same place but the list moves.)

◆ To move up or down the list of channels a whole screen at a time, press **ch +** or **ch –**.

◆ To highlight a particular channel number, enter the channel number.

◆ To find out more about the programmes showing on the highlighted channel, use the channel banner (see pages 24 and 25).

◆ To switch between the TV channel list and the Radio channel list, press the **tv/radio** button.

◆ To change channel to the highlighted channel, press **OK**.

◆ To remove the channel list without changing channel, press **exit**.

❖ Changing the audio language

You can change the language of programmes which are broadcast with more than one audio soundtrack.

To change the audio language:

1. Press **options**.

The language options banner displays.

2. If the audio track button is not highlighted, press ◄ to highlight it.

3. Press ▲ or ▼ to look through the available languages, until the language you want is displayed.

4. Press **OK**, *or*, to remove the banner without making any changes, press **back**.

❖ Changing the subtitle language

You can change the subtitle language for programmes which are broadcast with subtitles in more than one language.

To change the subtitle language:

1. Press **options**.

The language options banner displays.

2. If the Subtitles button is not highlighted, press ► to highlight it.

3. Press ▲ or ▼ to look through the available languages, until the language you want is displayed. If you do not want subtitles to be displayed, select 'Off'.

4. Press **OK**, *or*, to remove the banner without making any changes, press **back**.

❖ Interactive features

Some channels or programmes may include interactive features. When these features are available, you will either see information about these on your TV screen, or you will be informed by your interactive features service provider.

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DIGITAL TV

❖ Recording a digital satellite programme

If you have a VCR you can use it to record satellite programmes from your set-top box.

To record a satellite programme:

1. Make sure your set-top box is switched on and tuned to the channel you wish to record.

2. Set your VCR correctly to record at the appropriate time, making sure that your VCR is set to record its 'channel for digital satellite TV', or if your set-top box is connected to your VCR via a SCART lead, making sure your VCR is set to record its appropriate AV channel.

For further information about your VCR, refer to your VCR's User Guide.

Notes

Your VCR must be correctly connected to your set-top box. For further information, see pages 10 and 11.

Some programmes are copy-protected and may not play back correctly if you record them.

While you are setting the recording up, you may wish to make sure your TV is switched to its 'VCR channel' or the AV channel that you use when you are watching videos, so you can check that the VCR is showing what you want to record.

Watching other channels while you are recording a digital satellite programme

If your equipment is connected using RF leads, as in connection methods 1 or 2, you can watch any *terrestrial* channel while you record digital satellite TV, by changing channel with your TV's remote control. You can also watch any *digital* channel while you record a *terrestrial* channel.

However, you cannot watch one *digital* channel while you record a different *digital* channel. If you use your set-top box's remote control to change channel while you are recording, your VCR will record the channel change.

Extra information

❖ Switching between digital satellite TV and terrestrial TV

If your TV automatically shows digital satellite TV whenever your set-top box is switched on, you can use your remote control to switch between digital satellite TV and terrestrial TV.

This is also useful if you are using your VCR, for example to record a digital channel, but you want to watch a terrestrial channel.

◆ To switch between digital satellite TV and terrestrial TV, press the **red** *colour* button on your remote control. (Please *do not* press the ⏻ button - this will switch your set-top box off.)

Note

In order for this feature to work, your digital set-top box must be connected to your TV via a SCART lead, and your TV must also be receiving the terrestrial channels from your TV aerial. For information about connecting up, see pages 10 to 12.
Some TVs may not allow you to use this feature.

❖ Error messages

If there is a temporary problem with a channel you are watching, you may see an error message on your TV screen. If this happens, you can still change channel, in the usual way, to a channel that is not experiencing problems.

ENGLISH

❖ Displaying the Main Menu

You need to display the Main Menu in order to use the Setup menus.

You can also use the Main Menu to display the TV and Radio channel lists (see page 26).

To display the Main Menu:

1. Press **menu**.
2. Press ▼ or ▲ to highlight the item you want, then press **OK**.
3. To remove the Main Menu, press **exit**.

❖ Using the Setup menus

You use the Setup menus to:

◆ control who can watch or purchase certain programmes;

◆ change the language settings;

◆ change the TV settings;

◆ change the signal settings and search for new channels;

◆ view information about your set-top box;

◆ reset your set-top box to its factory-preset settings.

To display the Setup menu:

1. Press **menu**, then press ▼ to highlight 'Setup', then press **OK**.

2. Press ▼ or ▲ to highlight the item you want, then press **OK**.

◆ While you are using any of the setup menus, you can press **back** to cancel any changes and return to the previous menu.

◆ To cancel changes and redisplay digital satellite TV, you can press **exit**.

◆ To save changes, you press **OK**.

Setup

❖ Using the Control Settings menu

You use the Control Settings menus to:

- ◆ set an age lock level to control who can watch certain digital satellite programmes;
- ◆ set a purchase threshold to control how much other people are allowed to spend on purchase TV;
- ◆ change the PIN code;
- ◆ view your entitlements.

When you use the Control Settings menu, you need to enter your PIN code.

Note

If you do not have a smart card inserted in your set-top box, you cannot use the Control Settings menu.

About your PIN code

When you first use your set-top box, your PIN code is **0000**. In order to make your PIN code secret, you should change it to a secret number that you find easy to remember (see below).

To display the Control Settings menu:

1. On the Setup menu, highlight 'Control Settings', then press **OK**.

You will see a message asking you to enter your PIN code.

2. Enter the correct PIN code then press **OK**.

3. When you have finished using the Control Settings menu, press **back** to redisplay the Setup menu.

Changing your PIN code

You can change the PIN code to a secret number which you find easy to remember. Please make sure you do not forget your PIN code.

To change the PIN code:

1. On the Control Settings menu, highlight 'PIN code modification' then press **OK**.

'New PIN code' is highlighted.

2. Use the number buttons to enter a new 4-digit PIN code of your choice. If you make a mistake, you can press ◀ to delete a digit.

3. Press ▼.

'Repeat new PIN code' is now highlighted.

4. Enter your new 4-digit PIN code again.

5. If you change your mind and do not wish to change the PIN code, press **back** to cancel your changes.
   If you want to save the new PIN code, press **OK**.

Setting the age lock level

The age lock level lets you set an age limit, so that people who do not know the PIN code (for example young children) cannot watch programmes that have an age category rating that is older than the age lock level you have set.

For example, if you set this to '11+', then programmes rated for viewers older than 11 will be locked, and you will need to enter your PIN code to watch them. Age lock only works if the broadcaster provides rating category information.

If you do not want to set an age lock level, you can set this to 'Off'.

To set the age lock level:

1. On the Control Settings menu, highlight 'Parental Control' then press **OK**.

'Age lock level' is highlighted.

2. Press ◄ or ► to choose the level you want.

3. If you now want to set a purchase threshold, press ▼. *Or*, if you want to save the change to the age lock level, and redisplay the Control Settings menu, press **OK**. *Or*, to remove the menu without making any changes, press **back**.

Setting the purchase threshold

The purchase threshold lets you specify how much a programme can cost before your PIN code is required to purchase it. For example if you set the limit at 5€, you can purchase a programme which costs 5€ or less, without entering your PIN code, but to purchase a programme costing 5.01€ or more, you would need to enter your PIN code.

To set the purchase threshold:

1. On the Control Settings menu, highlight 'Parental Control' then press **OK**.

2. Press ▼ to highlight 'Purchase threshold'.

3. Press ◄ or ► to choose 'On' or 'Off'.

If you selected 'On', you must enter a purchase threshold value.

4. Press ▼ to highlight 'Threshold value (KR)', then, if necessary, press ◄ to delete the value that was previously there. Use the number buttons to enter the amount you want to be the new purchase threshold.

5. To save *all* the changes on the Parental Control menu, press **OK**. *Or*, to remove the menu without saving any changes, press **back**.

Viewing entitlements

You will only need to view entitlements if you are asked to do so by customer support.

To view entitlements:

1. On the Control Settings menu, highlight 'Entitlements' then press **OK**.

2. Press **back** to redisplay the Control Settings menu, or press **exit** to redisplay digital satellite TV.

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❖ **Changing the language settings**

You use the User Settings menu to change the following language settings:

◆ Menu/banner language - the language used in all the menus and on-screen displays;

◆ Audio default language - your first choice of language for programmes which are broadcast with more than one audio soundtrack;

◆ Subtitle default language - your first choice of language for subtitles, when programmes are broadcast with subtitles in more than one language.

Once you have made these settings, you can still temporarily change the audio and/or subtitle languages quickly and easily while you are watching a programme (see page 27).

To change the language settings:

1. On the Setup menu, highlight 'User Settings', then press **OK**.

The User Settings menu displays.

2. Press ▲ or ▼ to highlight the setting you want to change.

3. Press ◄ or ► to change the setting.

4. When you have made all the changes you want to make, press **OK**. *Or,* to remove the menu without saving any changes, press **back**.

Setup   STRONG
                                                              DIGITAL TV

❖ Changing the TV settings

You use the TV Settings menu to change the following settings, to
control how your set-top box works with your other equipment:

- ◆ TV format;
- ◆ TV output signal;
- ◆ RF output channel;
- ◆ Magic eye support.

To change the TV settings:

1. On the Setup menu, highlight 'TV Settings', then press **OK**.

The TV Settings menu displays.

2. Press ▲ or ▼ to highlight the setting you want to change (for
   more information on the settings, see page 36).

3. Press ◀ or ▶ to change the setting. To change the 'RF output
   channel', press ◀ to delete the number that is there, then use
   the number buttons to enter the RF channel number you want.

4. When you have made all the changes you want to make, press
   OK. *Or*, to remove the menu without saving any changes, press
   back.

TV format

This is the type of TV you have connected to your set-top box, and how widescreen broadcast programmes display. Make your choice according to the following table:

Format	Type of TV	How do widescreen broadcasts display?
4/3	Standard (4/3)	The centre portion only of any widescreen transmissions will display
Letterbox	Standard (4/3)	The whole of any widescreen transmissions will display, but the picture does not fill the screen
16/9	Widescreen (16/9)	Full screen

TV output signal

This is the type of signal which is most compatible with your TV. If you have connected your set-top box to your TV via a SCART lead, choose RGB for a better quality picture.

RF output channel

The RF output channel for your set-top box.

The factory preset RF output channel is channel 38. If channel 38 is not compatible with your TV or VCR, for example if it is already being used as your VCR's output channel, or for a terrestrial channel, you may find you cannot tune your equipment to your set-top box because of interference.

You can therefore use this setting to enter a different number. You may find this easier if you disconnect your external antenna and/or your VCR from your system while you make the changes, but if you do so, make sure you follow all the safety advice on pages 8 to 15. You will then need to tune any equipment that is connected to your set-top box via an RF lead to this new channel number - see the section on RF tuning on page 17.

RF channels may also be known as *UHF* channels.

For further advice, please call customer support.

Magic eye support

If you have connected a magic eye (see page 14) to your set-top box, choose 'On'.
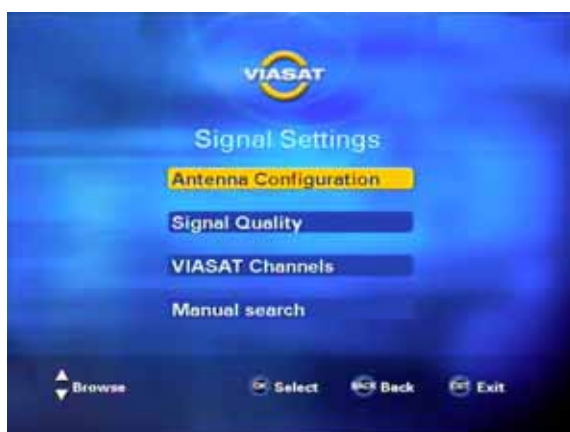
Setup

❖ **Using the Signal Settings menu**

You use the Signal Settings menus to:

◆ select the antenna and LNB configuration that you have connected to your set-top box;

◆ check that your set-top box is receiving satellite signals, and check the strength and quality of the signal;

◆ carry out a search for new channels.

To display the Signal Settings menu:

1. On the Setup menu, highlight 'Signal Settings', then press **OK**.

2. Press ▼ or ▲ to highlight the item you want, and press **OK**. Then see the relevant section on the following pages.

3. When you have finished using the Signal Settings menu, press **back** to redisplay the Setup menu.

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DIGITAL TV

Changing the antenna configuration

This is the number of LNBs available in your dish installation. If you change your satellite dish installation, you may need to change this setting so that your set-top box can tune to all the satellites available.

To change the Antenna Configuration:

1. On the Signal Settings menu, highlight 'Antenna Configuration', then press **OK**.

The Antenna Configuration menu displays.
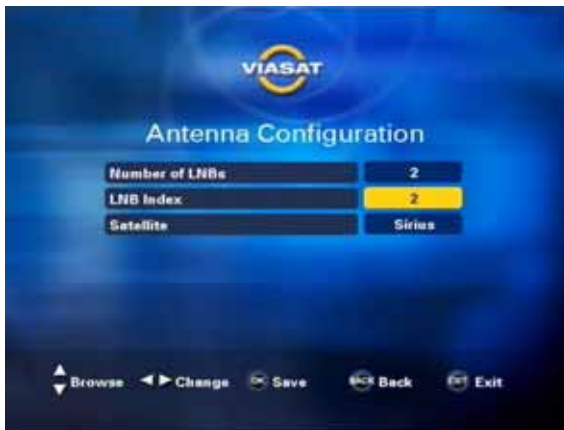
2. Highlight 'Number of LNBs', then press ◄ or ► to select the number of LNBs you have in your set-up.

3. Highlight 'LNB index', then press ◄ or ► to select the LNB index you want to change. If you are using a single fixed LNB, this will be LNB index 1.

4. Highlight 'Satellite' then select the satellite that you want that LNB to direct towards.

    ◆ If you are using a single fixed LNB, press ◄ or ► to select the satellite that your LNB is set-up for. Then go to step 6.

    ◆ If you are using a DiSEqC™ unit*, select the correct satellite for the LNB connected to each port. LNB Index 1 is associated with port 1, and so on.

5. Repeat steps 3 and 4 to select an LNB index for each of the ports on your DiSEqC™ unit.

6. To save the changes, press **OK**.

7. If you have changed your antenna configuration must then check the signal quality (see page 39) and search for the new channels (see page 40).

*DiSEqC™ is a trademark of Eutelsat.

Checking the signal quality

You use this screen to confirm that your set-top box is receiving a satellite signal on all the LNBs/LNB positions available to it.

To check the signal:

1. On the Signal Settings menu, highlight 'Signal Quality', then press **OK**.

The Signal Quality screen displays:

The details on the screen show the name of the satellite, together with bars showing the strength and quality of the signal being received from this satellite.

Your set-top box must receive both a signal strength and a signal quality of about 60% in order to successfully find channels. That is, the signal strength and signal quality bars should both be about two thirds full.

2. Press ◄ or ► to change which LNB index details are displayed.

3. Check that your set-top box is receiving an adequate signal on each LNB index that is being used.
For example, if you have a single LNB, this will be LNB index 1, but if you are using a DiSEqC™ unit* to connect to more than one LNB, then each LNB index is associated with the port of the same number on your DiSEqC™ unit.

4. When you are satisfied that there is an adequate signal, press **back** to redisplay the Signal Settings menu.

*DiSEqC™ is a trademark of Eutelsat.

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Searching for channels

Once you have confirmed the satellite signal strength, if you have changed your Antenna Configuration, you need to search for channels.

To search for channels:

1. On the Signal Settings menu, highlight 'VIASAT channels', then press **OK**.

The Auto Search screen displays:

2. To start the automatic channel search, press **OK**.

A progress screen displays to confirm that the search is taking place.

When the search is complete, a screen displays to tell you the number of TV and radio channels that your set-top box has found.

3. To confirm these channels and redisplay the Signal Settings menu, press **OK**.

Adding extra channels

You can search for extra channels that may be available on the satellite that your set-top box is tuned to.

To add extra channels:

1. On the Signal Settings menu, highlight 'Manual Search', then press **OK**.

The Manual Search screen displays.

2. Highlight the 'Satellite' line, then press ◀ or ▶ to select the satellite that you want to search.

3. Press ▲ or ▼ to highlight each item you want to change, then use the number buttons or ◀ and ▶ to enter the values you want.

4. Repeat steps 2 and 3 to change the details for other satellites, if required.

5. To start the search, press **OK**.

❖ Viewing set-top box information

You can view technical information about your set-top box.
To display the information:

1. On the Setup menu, highlight 'Decoder information', then press **OK**.

2. To redisplay the Setup menu, press **back**.

❖ Restoring the factory settings

If you wish, you can restore all your set-top box's factory-preset settings.

Note

If you restore your set-top box's factory settings, you will need to redo the country selection and search for channels - see page 18.

The items that are restored, and what they will be restored to, are shown below.

Setting	Factory setting
Menu/banner language	English
Audio language	English
Subtitle language	English
Volume level	MAX
TV format	4/3
TV output signal	RGB
RF output channel	38
Magic eye support	Off

To restore the factory settings:

1. On the Setup menu, highlight 'Restore factory settings', then press **OK**.

2. A message displays asking you to confirm you want to restore the factory settings. If you are sure you want to do this, press **OK**. If you do not want to restore the factory settings, press **back**.

The message 'Default settings restored' displays.

3. Press **OK**. The set-top box displays the Welcome screen (see page 18).

4. Select the country and search for channels as described on pages 18 to 22.

Solving problems

Before you check connections between your equipment, make sure you disconnect all your equipment from the mains supply. When you have finished checking and making connections, safely reconnect all the equipment to the mains supply (see page 15).

Problem	Possible cause	Suggested solution
Your set-top box doesn't seem to be working, and there are no lights on the front panel.	Your set-top box is not receiving power.	Make sure that the mains lead is properly plugged in and that the mains supply is switched on. Check that the mains wall socket has power (try plugging in a lamp).
Your set-top box doesn't seem to be working, and the front-panel standby light is *red*.	Your set-top box is switched off.	Press standby on the front panel, or ⏻ on your remote control.
Your set-top box doesn't seem to be working, and the front-panel standby light is *green*.	Your set-top box is not correctly connected to your other equipment, or your other equipment is not correctly set up.	Check that all the connections are properly made.* Check that your TV is plugged into the mains and that it is switched on.
	Your TV is not switched to show digital satellite channels.	If your set-top box is connected to your TV via a SCART lead, try selecting the appropriate AV channel on your TV. If your set-top box is connected to your TV via an RF lead only, try selecting the appropriate 'channel for digital satellite TV'. If you do not have a 'channel for digital satellite TV', you need to perform RF tuning (see page 17).
Your set-top box doesn't seem to be working, and the front-panel standby light is *orange*.	There is a problem with the satellite signal.	Check that the lead from your satellite dish is correctly connected to your set-top box.* Check that your satellite dish and LNB(s) are correctly set up and directed towards the correct satellite(s) (see page 9). Check that nothing is blocking your satellite dish, for example a tree or high building. There may be a temporary problem with the reception, caused, for example, by bad weather; try again later. If adverse weather conditions cause your dish and/or LNB(s) to move, you may need to re-adjust them (see the information supplied with this equipment).

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Problem	Possible cause	Suggested solution
You can see on-screen interference	Your TV or VCR is not correctly tuned.	Check that your TV and video recorder are correctly tuned to your set-top box. For further information, refer to your TV and VCR instruction books. In some cases your set-top box may need RF tuning. See page 36 or call customer support for further advice.
Your remote control isn't working.	Something is between the remote control and your set-top box.	Make sure you point your remote control directly at your set-top box and that nothing is between it and your set-top box. The ir receive light on your set-top box's front panel should flash each time you press a remote control button.
	The batteries are flat or inserted the wrong way round.	Check the batteries and replace them if necessary.
You've forgotten your PIN.		Call customer support for advice.
The menus and banners are in a language you don't understand.	The menu language has been changed to a language you don't understand,	You can change the menu language as follows: 1. From a digital satellite channel, press **menu**. 2. Press ▼ twice, to highlight the last item on the menu, then press **OK**. 3. Press ▲ **5** times, then press **OK**. The User Settings menu displays. The first, highlighted item is the menu language item. 4. Press ▶ until your preferred language displays. 5. Press **OK**. The menus should now be in your preferred language. 6. Press **exit** to redisplay digital satellite TV.
You have received a new smart card but you don't know how to activate it.		Make sure your set-top box is tuned to a subscription channel. (You will not yet see the picture.) Follow the instructions on 'Inserting your smart card' on page 14. The Subscription Activation screen should appear - see the instructions on page 22.

Specification

Due to continued product improvement, this specification may change without notice.

General

Operating voltage:	230V AC ± 15%; 50Hz
Power consumption:	16.5W (max.)
Weight:	1.35kg
Dimensions (W x H x D):	275mm x 41 mm x 175mm
UHF modulator:	CCIR PAL System B/G and I; Ch 21 to 69 (factory setting is 38)
Operating temperature range:	0°C to +40°C
Storage temperature range:	−20°C to +60°C

Rear panel connectors

230V ∿ 50Hz MAINS INPUT :	IEC 320 2-pin reversible
☎ TELEPHONE LINE :	RJ11
SCART TV :	SCART (composite video out; RGB out)
SCART VCR :	SCART (composite video in/out; RGB in)
ANT IN :	IEC 129-2 female
TO TV :	IEC 169-2 male
SAT IN :	IEC 169-24 F-type female
SPDIF :	3.5mm connector; combined analogue-stereo and mini digital-optical audio output (not fitted on all models)

❖ Environmental Issues

Packaging - When disposing of this product packaging, please ensure that it is recycled

This will reduce the demand for virgin wood pulp, whilst diverting material that would otherwise end up in landfill.

Set-top Box Recycling - Do not dispose of this product with your domestic rubbish

At the end of its useful life, this product contains materials which when processed correctly can be recovered and recycled. By participating in the responsible recycling of this product you will be reducing the requirement for new raw materials and reducing the amount of material that would otherwise end up in landfill.

When you purchase a new, similar product your retailer may offer to take this old one off you. Alternatively, you can take it to your local recycling centre. Your retailer or local municipal authority will advise you of the collection facilities available for waste electronic products in your area. Use of this service will be free to you.

The Product to which this documentation relates (the "Product") incorporates software which is owned by Pace Micro Technology plc (or its licensors). Before using the Product please read the End-User Licence Conditions detailed below. If you do not agree to the terms and conditions of the End-User Licence please do not proceed to use the Product – repack the Product unused and return it to your supplier who will refund the amount you paid for it to you.

1. **Definitions**

   The following expressions have the meanings given here:

   "Pace" means Pace Micro Technology plc, being either owner of all intellectual property rights in the Software, or having the right to grant licences for the use of the Software.

   "Software" means the software applications, utilities and modules embedded within the Product.

   "Product" means the equipment or appliance to which this documentation relates and which incorporates the Software.

   "Viasat" means Viasat AB, being the commercial broadcaster whose broadcasts this product has been designed to receive.

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(f) You will grant to Pace and/or Viasat, access to your Pace/Viasat digital decoder product, to enable Pace and/or Viasat to upgrade, service and otherwise adapt the Software in such decoder, by (for example) remote downloading of updated Software.

3. **Termination**

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