internet VIA your T.V.

NetStation

NetStation User Guide

Welcome

Thank you for choosing the NetStation.

The NetStation marks a turning point for Internet access - A device that requires minimal investment and is actually straightforward to use.

Your NetStation allows you to quickly get online and explore the continually changing content of the World Wide Web.

USING THIS GUIDE

This guide, with the accompanying Quick Start Card, aims to help you with every aspect of your NetStation.

- Chapters 1 to 4 cover the normal use of your NetStation.
- Appendices A to D contain extra information that may be required in certain circumstances.

Throughout this guide, the red sidebar notes provide:

- Notes
- Tips
- Jargon Checks to explain specialist terms.

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WARNINGS AND PRECAUTIONS

- This equipment is designed to operate at 220-240 Volts AC, 50Hz.
- This equipment should be located next to an easily accessible mains socket.
- To electrically isolate the equipment from the mains supply, remove the adapter plug from the power socket.
- This equipment has no user serviceable parts inside. Refer all servicing to qualified personnel.
- Remove the adapter plug from the wall socket when the equipment is not being used for a prolonged period.
- Adequate ventilation is essential to prevent failure of electrical components. Do not block the ventilation slots in the case. Locate the equipment so that it does not present a hazard or interfere with other equipment. Stand the equipment on a firm, level surface, allowing air to circulate around it when it is in use.
- This equipment is for indoor use only. To prevent damage which might result in electrical shock or fire, do not expose it to rain or excessive moisture.
- Avoid exposing the equipment to direct sunlight and other sources of heat.
- Do not operate this equipment if any cables are damaged.
- Keep the plastic bags used in the packaging away from children and animals.
- Do not spill liquid on this equipment. If you do, turn it off immediately and call your supplier.
- Do not obstruct or cover any part of the equipment.
- Do not poke objects into the equipment.
- Use only with the power adapter supplied (Part number PS1-UK).
- This equipment is not intended for use as a critical component in life support devices or any system in which failure could be expected to result in personal injury.
- Please refer to the rear of this guide to view the approvals information for the V.34 modem fitted within this product.

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Corporate Text & Design
Evesham, UK

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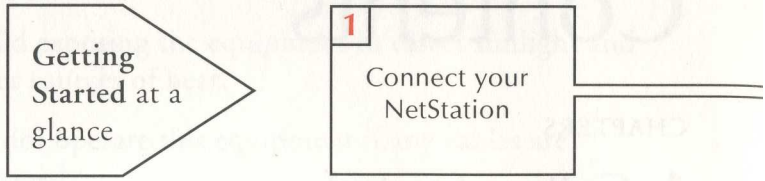
CHAPTER

1

Getting Started



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Setting Up and Going On-Line 4

Ending Your On-Line Session 5

The NetStation Indicators
There are two indicators on the front panel of your NetStation.

The **Red** indicator shows that your NetStation is in Standby mode.

The **Green** indicator shows that your NetStation is operating.

SETTING UP AND GOING ON-LINE

These are the basic steps to using your NetStation for the first time:

1. Connect your NetStation kit together by following the instructions given in, either:
   - The Quick Start Card if you are simply connecting to a TV that has a free SCART socket.

   OR
   - Appendix A of this guide if there are other devices attached to your TV, and/or there is not a free SCART socket.

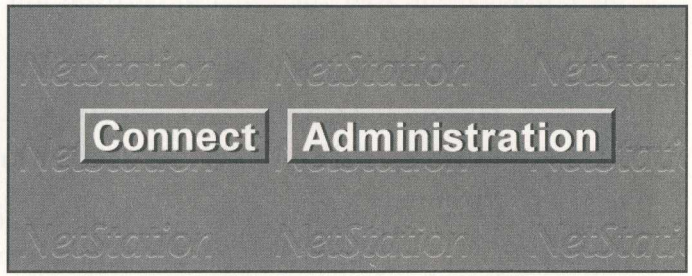
Remember to change to the appropriate AV channel on your TV. ▶

2. Switch on your NetStation (and the TV) to view the initial Welcome screen.

Ensure that the gold contacts are facing down and their end of the card is inserted first. ▶

3. Insert your Smart Card into the slot at the front of the NetStation.
   - Your NetStation may request you to enter a PIN number. If so, this four digit number will have been provided by your Internet Service Provider. Using your IR Handset (or optional keyboard), enter the four digits and press the *Select* (or *Enter*) button.

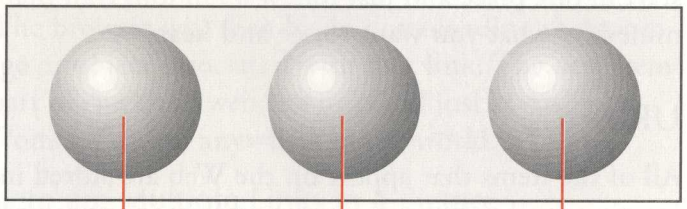
4. The following screen will be displayed:



You have two options , which are:

- Connect - Click this to go online and link to your Internet Service Provider.
- Administration - Allows you to alter various settings within your NetStation, including: Printer, Region (timezone), Modem and Monitor. Please refer to Appendix C of this guide for more information about the various Administration options.

5. Choose Connect to go online. The NetStation will now attempt to connect with your Internet Service Provider and will display three spherical indicators at the foot of the screen to show you how the connection is progressing:



Dialing
The phone number for your ISP is being entered.

Connecting
The line has been answered and your NetStation is synchronising itself with the system at the other end.

Logging in
Your ISP is verifying your account details and setting up a connection to the Internet.

6. Follow the registration instructions provided by your Internet Service Provider.

Once you are registered, you will be ready to go browsing. Please turn to the next chapter 'Browsing the Web' for more details.

ENDING YOUR ON-LINE SESSION

When you have finished your browsing session you can end in two main ways:

- Press either: the Standby button on your NetStation or the Power button on the IR Handset. The NetStation will disconnect immediately and enter its Standby mode.

  This method has the added advantage that your NetStation remembers the last web pages that you were viewing. So when you press the Standby button again to switch the NetStation back on, the details will be instantly displayed.

- Pull out the Smart Card. Without the card inserted, your NetStation can no longer remain connected and will hang-up immediately.

  When you re-insert the card you will need to go through the process of re-entering your PIN number (if requested).

There is a disconnection timer within the Administration section (the Modem sub-section) that allows you to determine how long after a period of inactivity the NetStation should automatically hang-up. Please refer to Appendix C for more details.

Jargon Check

PIN Personal Identification Number

ISP Internet Service Provider *A company that provides you with a dial-up gateway to the Internet.*

IR Infra Red

SCART *A 21-pin connector located at the rear of most modern TV-related equipment to allow quick and easy connections. Also known as Peritel or Euroconnector.*

CHAPTER

2

Browsing the Web

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What is the World Wide Web? 6

Links & URLs 6

Using the NetStation Browser 7

Finding and Clicking on Links 7

Entering a URL 7

Favorites 8

Moving Around Within Web Pages 8

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IR Handset Functions 8

This chapter assumes that you are using the supplied IR Handset and all instructions for browsing will relate to this method of control. If you are using the optional IR Keyboard or have a standard keyboard attached, you can find a list of special key presses in Appendix B

WHAT IS THE WORLD WIDE WEB?

From its humble conception as a medium to allow scientists to share information, the World Wide Web has developed into the hottest feature of the Internet. Introduced in only 1991, it is taking the world by storm and acting as a catalyst of great change in the way that information is published and distributed.

Essentially the World Wide Web is a global showroom where those with something to say, can do so to potentially millions of people throughout the world. The attraction of the 'Web' is the way that it allows text, graphics, sound and video to be mixed together and presented instantly to whoever wants to watch and listen.

Links

A key feature of the Web is a 'link'. Links allow you to jump from one item to another.

Imagine that while reading a book you come across a word you don't understand. Rather than get up, fetch the dictionary and flick through to find the definition, wouldn't it be easier to just touch it and have the meaning appear in front of you? Then if there was another item of interest within the explanation you might want to touch that and see where it led, and so on. This is how links work within the Web. You start in one place and just follow a random trail that is determined by what you want to see and hear.

URLs

All of the items that appear on the Web are stored in locations and each has a unique address (physically they could be anywhere in the world). These addresses are given the rather uninspiring title of 'urls' and they allow you to specify a particluar starting point. You may have seen some urls recently as they are often displayed in tv, newspaper and magazine adverts. They always take the following form:

http://www.abc.com *or* http://www.xyz.co.uk

They may look like a cat just walked across a typewriter but these urls are your route-map into the Web. The beginnings and endings remain pretty much constant, it is the *abc* or *xyz* portions that change depending on whose 'Web Site' you want to start viewing.

USING THE NETSTATION BROWSER

As soon as your NetStation has finished linking into your Internet Service Provider, the first thing that you will see is the Browser. It will most probably be displaying your Internet Service Provider's 'Home Page' which will provide a good starting point for your journey into the Web. Also this is probably as good a place as any to practice your browsing techniques.

Finding and Clicking on Links

To find a link: Press the ⇩ button. A red outline will appear around a picture or text displayed on the screen.

To move to the next link: Press the ⇩ button again.

To move back up through the links: Press the ⇧ button.

To choose the currently outlined link: Press the Select button. The browser will then begin downloading the appropriate page or object associated with that link. The new item may be part of the same web site or could just as easily be coming from a location anywhere in the world.

When there are Multiple Links in a Picture

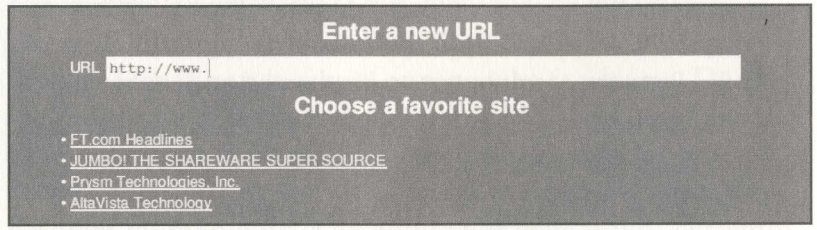
In some of the more 'graphically rich' web pages it is highly likely that you will come across pictures that have more than one link within them:

To access each of the links using the IR Handset: Move the red outline to the picture in the manner discussed above. Press the Select button. This will cause a special cursor to be displayed. Now you can move the cursor using the four arrow buttons within the picture. When the special cursor is positioned over a link that you wish to follow, press the Select button.

Entering a URL

As mentioned earlier you will see the addresses or 'urls' of web sites being listed in all of the usual advertising media. Make a note of some urls that you think might be of interest and use them in the following way.

To enter a url: press the Open button to reveal the following on-screen box:



Your NetStation will assist you by automatically entering the first part of any url - **http://www.** - so all you need to do is type the remaining words (the full stops between words are important) and press the Select button. As soon as you press the Select button, the NetStation will begin requesting the appropriate information and will display each element (usually text first, then graphics, sounds, etc) as they are received.

If you are not sure of the url for a Web site, just enter it and see what happens. There is no need to worry about getting it wrong and accidentally waking someone in some far-off country. The whole thing is fully automated and the worst that can happen is that you get a message back to say that the address could not be found. In fact, with the proliferation of Web sites and the impending shortage of unused urls you could stumble onto another location more interesting than the one you intended to look at!

Entering Text with your IR Handset

You can enter a full range of characters, numbers and special symbols using your IR Handset.

To enter upper case letters: Press and release the Shift button and then type the required letter button.

Entering special characters

Above each button in the numeric section there are two special characters printed; one on the left and one to the right.

To enter lefthand characters: Press and release the Shift button and then the appropriate button.

To enter righthand characters: Press and release the Ctrl button and then the appropriate button.

Jargon Check

URL Uniform Resource Locator
Unique address associated with every page of information on the Web.

HTTP Hyper-Text Transfer Protocol
The nuts and bolts of the Web. HTTP makes sure that when you click a link, the associated page is found.

Don't worry about the phone bill. It doesn't matter whether you visit a Web location in your own town, in San Francisco or Sydney, all you pay are call charges for the connection to your Internet Service Provider.

Improving Loading Speeds
If you find that a particular Web page is taking a long time to load, due to its heavy graphic content, you have the option of making it load faster. This is achieved by switching off the *images* and/or *background* using the on-screen menu. Please refer to the Menu option discussed in Chapter 4 of this guide.

You can tell when your NetStation is working on something because the NC logo in the top right-hand corner of the screen starts spinning and you will see various status messages on the left-hand side of the screen.

Favorites

Your NetStation allows you to store the urls of regularly viewed Web sites to save you typing them each time. These stored urls are called Favorites and you save them in the following way.

To save a url as a Favorite:

1. Visit the required Web site as discussed in 'Entering a URL' on the previous page,
2. Press the Menu button to display the on-screen menu.
3. Press the ⇩ button to move the black highlight bar onto 'Favorites'.
4. Press the ⇨ button to display a fly-out menu.
5. Press the ⇩ button to move the black highlight bar onto 'Add Page'.
6. Press the Select button.

The currently displayed Web site will be stored as a Favorite.

To select a Favorite: Press the Open button and then use the ⇩ button to move the highlight box to the required Favorite entry.

Moving Around Within Web Pages

To help you to navigate within Web pages and also between them, the IR Handset has numerous special buttons, in addition to the arrow buttons.

To move between lines on a Web page:
Press the Line Up and Line Down buttons.

To move up or down a long page in large jumps:
Press the Page Up and Page Down buttons.

To move between previously downloaded Web pages:
Press the Back and Forward buttons.

Additionally, you can navigate around a page by moving the highlight box, using the ⇩ and ⇧ buttons.

Stop Loading

If you accidentally start loading a page that you don't want, you can halt the loading process immediately in the following way.

To stop a page loading: Press the Stop button.

IR Handset Functions

For a full list of button functions for your IR Handset, please refer to Chapter 4 of this guide.

CHAPTER 3

Mail, News and Chat

While the World Wide Web is the glittering new showcase of the Internet, there are numerous other facilities that have existed for much longer and are there to help you communicate with other users.

This chapter provides you with a brief overview of the features available to you through your NetStation. For further details, please refer to the information provided by your Internet Service Provider.

ELECTRONIC MAIL (E-MAIL)

Next to the Web, the other most commonly used Internet feature is E-Mail. This service allows you to communicate with other people (and vice versa) using written messages. Think of it as an alternative to writing a letter or, more appropriately, sending a fax. Once you have set-up your NetStation, E-Mail allows you to communicate quicker and cheaper than using either a letter or a fax. It is also much easier to write to numerous people at the same time as E-Mail allows you to 'cc' (copy to) or 'bcc' (blind copy) up to four people simultaneously.

As part of the agreement with your ISP, you will be able to choose an E-Mail address that is unique to you. You then inform other people of your address and they can use it to write to you. You can also keep an online Address Book to store the E-Mail addresses of your contacts, so they are just a click away.

NEWSGROUPS

Another very popular Internet service is provided by the Newsgroup system. Imagine this as a large notice board where all Internet users have the opportunity to pin-up messages for the attention of anyone who is passing. Due to the multitude of subjects that are under discussion at any one time, newsgroups are split into specialist categories which then contain further sub-divisions as the detail of discussion becomes more intense. The number of newsgroups currently runs to tens of thousands and they are a valuable source of information where answers to problems can often be found.

CHAT

Chat is rather like a cross between E-Mail and Newsgroups, but taking place in 'real time'. When you write an E-Mail message, you compose the whole message and then post it to one or more named recipients, whereupon they receive it sometime later. With Chat, the whole thing happens immediately so that as you type, your words are displayed instantaneously on the screens of everyone else who is taking part. Similarly, you see the responses of the other participants as soon as they are entered. The Chat service can be very entertaining as you never quite know what is going to happen next.

CHAPTER

4

The IR Handset

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Inserting Batteries 11

Typing Capitals and Special Characters 11

IR Handset Functions (Alphabetically) 11

Using Two or More IR Handsets 14

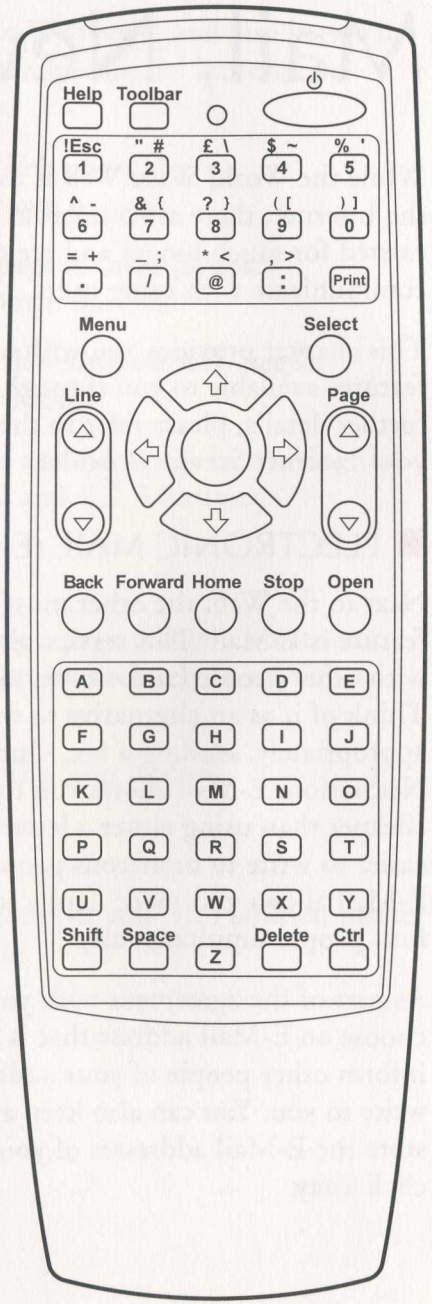
Configuring Each IR Handset 14

WHAT IS IT?

The IR Handset is the primary method of controlling your NetStation. It is a handheld remote control, just like those for your TV or HI-FI, and similarly uses Infra Red beams to transmit your commands.

The IR Handset has everything that you need to call-up, navigate and use Web pages on your NetStation.

The buttons are grouped into four distinct areas according to their functions. These four areas are indicated on the diagram here.

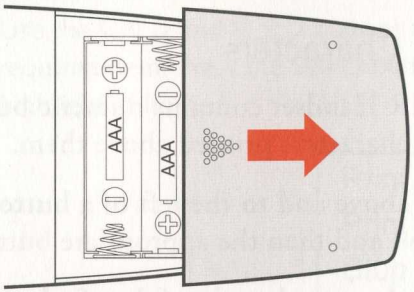


INSERTING BATTERIES

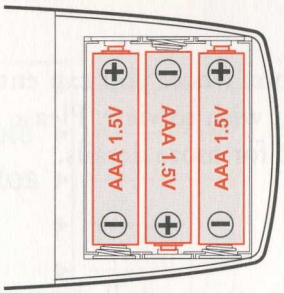
Before you can use your IR Handset you need to insert three AAA batteries.

To insert batteries:

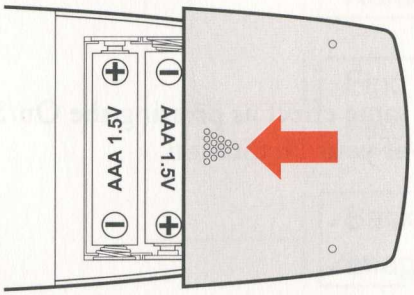
1. On the underside of the IR Handset, open the battery cover as shown here.



2. Install three AAA batteries into the compartment, ensuring that you observe the correct polarity positions.



3. Replace the battery cover.



TYPING CAPITALS AND SPECIAL CHARACTERS

To enter capital letters: Press and release the Shift key, then press the letter key. It is not necessary to hold the Shift key down and press another key at the same time.

Special Characters

Two special characters are printed above each of the numeric buttons and are used as follows.

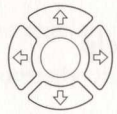
To type the lefthand character (e.g. the £ sign):
Press Shift and then press the number key (3 in this case).

To type the righthand character (e.g. the \):
Press Ctrl and then press the number key the (3 in this case).

IR HANDSET FUNCTIONS (ALPHABETICALLY)

A-Z Alpha Characters

This section of the IR Handset contains all of the letters of the alphabet so that you can enter URLs & other text items.



Arrow Buttons

These four buttons are used to:

- move between the links on a Web page,
- move the cursor left & right within text boxes,
- move left & right across pages wider than the screen.

When you first press the ⇩ button a red outline is displayed around the initial link on the page. The outline box can then be moved to other links with presses of the appropriate arrow buttons.

NOTE
If you are unlikely to use the IR Handset for an extended period of time, remove the batteries to avoid possible damage from battery leakage.

Do not mix old batteries with new ones. Replace all batteries at the same time. Do not mix different types or makes of battery.

Arrow Buttons
The left and right buttons are not used to move between links.

Back

Press this button to return to the previous page you visited. If you are on your first page, this button will not function.

Ctrl

This button is used in conjunction with the numeric section of the IR Handset to type the less-frequently used characters that are printed above each numeric button. Press this button, release it and then press a numeric button to type the special character printed above and to the right of that button.

Delete

Press this button to delete the character to the left of the current cursor position.

Forward

Press this button to go forward in a sequence of pages that you have already visited. If you have not yet gone back, this button will not function.

Help

Press this button to display the built-in NetStation help page.

Home

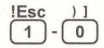
Press this button to return to your home page at any time. Your home page is usually the main title or contents page of your Internet Service Provider.

Line Up/Down

The Line Up and Down buttons scroll the current page up and down by one line.

Menu

Please see the next page for this item.



Numeric Characters

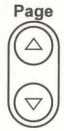
This section of the IR Handset contains numeric buttons that also have other characters printed above them.

To type a character above and to the left of a button:
Press the Shift button and then the appropriate button.

To type a character above and to the right of a button:
Press the Ctrl button and then the appropriate button.

Open

Press this button to display a box where you can enter the URL of the Web page that you wish to view. Please refer to 'Entering a URL' in Chapter 2 for more details.



Page Up/Down

The Page Up and Down buttons scroll the current page up and down by one screen-full.

Power

This button has the same effect as pressing the On/Standby button on the front of your NetStation.

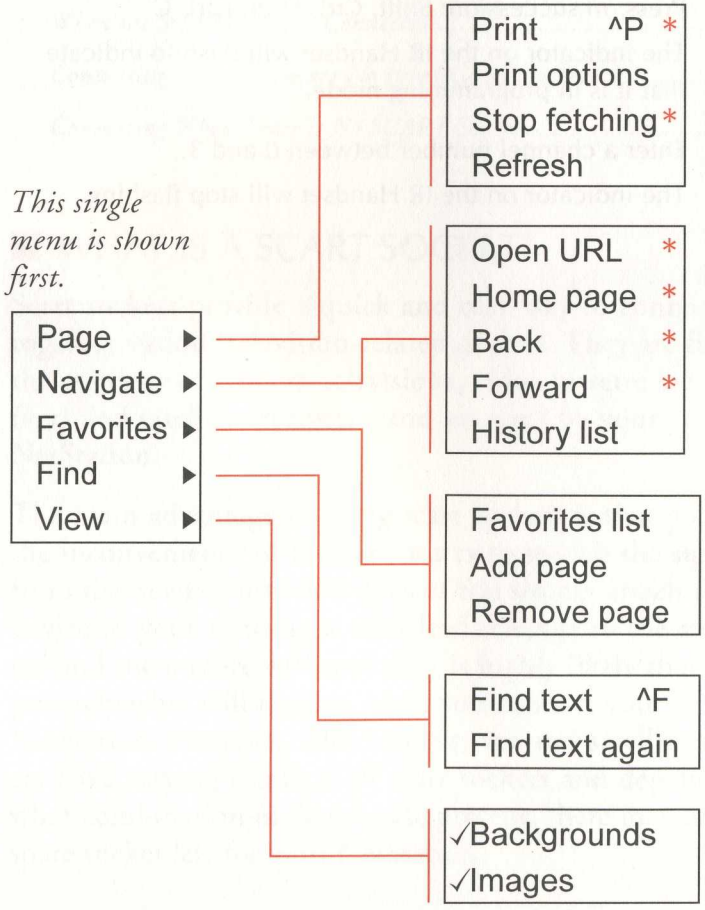
Menu

Menu

Press this button to reveal the on-screen menu shown below.

1. Use the ⇩ and ⇧ buttons to move the highlight bar up and down until the required item is highlighted.
2. Press the ⇨ button to display the necessary sub-menu.
3. Use the ⇩ and ⇧ buttons to highlight the required item. Press the Select button to choose the highlighted item.

This single menu is shown first.



Sends the currently displayed page to the currently connected printer.

Allows you to alter various settings: number of copies; orientation; scale & graphics.

Halts the loading of the current page.

Reloads the current page.

Displays an input area where you can enter the URL of a required Web page.

Returns to the first page that appears when you first connect. Usually that of your ISP.

Returns the page displayed before the current one. Not available at the first page.

Moves to the next page. Only available after you have used the *Back* feature.

Displays a list of the pages visited during the current online session.

Displays the regularly visited Web sites that you have selected as Favorites.

Adds the currently displayed Web page to the Favorites list for future reference.

Deletes the currently displayed Web page from the Favorites list.

Locates the paragraph within the current page containing a keyword/phrase of your choice.

Searches for the next occurance of the selected keyword or phrase in the current page.

Selects whether the background images are displayed.

Selects whether pictures within a Web page are loaded.

* Menu Functions marked thus are available as button functions on the IR Handset.

NOTE

Some functions may not be available at all times. When they are unavailable, they will appear as grey text and the highlight bar will not move onto them.

Changing the Backgrounds and Images Options

The settings of the Backgrounds and Images options are changed by selecting them. When the tick is present, the respective items is selected.

Deselecting these settings can cause a substantial reduction in the time taken to load a page. However, the visual appeal of the page will also be reduced.

Printing Times

The graphic images within Web pages can sometimes delay your printer due to their size and complexity. If you are more interested in the textual content of a page, there is a way to substantially reduce printing times.

To reduce printing times:

1. Press the Menu button on your IR Handset.
2. Highlight the *Page* option and press the Right arrow button.
3. Highlight the *Print options* entry and press the Select button.
4. Graphic items within your printed output are controlled by the *Print images* and *Print backgrounds* options. When either option is ticked, the respective item will be included.

   To exclude either images or backgrounds, highlight the appropriate option and press the Select button.

Print

Prints the contents of the current page using the currently connected printer. Refer to the Menu function for more information about setting Print options, such as the orientation of the page on paper, the scale and various graphics options.

Stop

Press this button to immediately stop the current page being loaded. You might need to do this if a page is taking too long to load because it has a large graphical content, or if you accidentally start loading a page by mistake.

Toolbar

Press this button to display or hide the toolbar at the top of the screen.

USING TWO OR MORE IR HANDSETS

Your NetStation is designed to allow more than one IR Handset to be used when, for example, you wish to control a two player on-line game.

Configuring Each IR Handset

Each IR Handset can be programmed to use one of four Channels. When supplied, they all use channel 0.

To change the IR Handset channel number:

1. Press, in succession: Shift, Ctrl, Shift, Ctrl, C

   The indicator on the IR Handset will flash to indicate that it is in programming mode.

2. Enter a channel number between 0 and 3.

   The indicator on the IR Handset will stop flashing.

APPENDIX

A

Connecting Your NetStation

In this Appendix

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Connecting Alongside VCRs and Satellite Receivers 15

Typical Connection Combinations 16

When the SCART Plug is Connected 18

Connecting When There are No Free SCART Sockets 18

Connecting When There is No SCART Socket 18

WHAT IS A SCART SOCKET?

Scart sockets provide a quick and easy way to connect together various television-related devices. They are fitted to the majority of modern televisions, video cassette recorders (vcr) and satellite receivers - and are used by your NetStation.

The main advantage of using scart sockets is that you avoid the inconvenience of tuning your tv to receive the signal from the newly connected device. You simply attach the device to your tv using a scart lead, change to the av channel and the picture will appear. It is highly likely that this is precisely what will happen when you connect your NetStation. However, different tvs, vcr and satellite receivers have varying numbers of scart sockets and depending on what combination of devices are present, there may not be a spare socket left for your NetStation.

CONNECTING ALONGSIDE VCRs AND SATELLITE RECEIVERS

This section aims to help you decide the best way to connect your NetStation to a tv that:

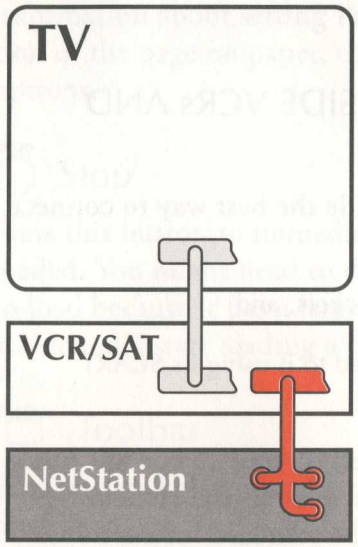
- has one or more SCART sockets, and
- has other devices connected to it using its SCART socket(s).

If you have other devices connected to your tv but not using its scart socket (i.e. a vcr connected using the standard aerial socket) then simply follow the standard instructions given on the Quick Start Card supplied with this guide.

The first thing to do is check how the current devices are connected and whether there are any spare scart sockets. The diagrams on the page that follow indicate the most likely combinations of tv, vcr and satellite receivers (sat) and where the NetStation could be added.

Typical Connection Combinations

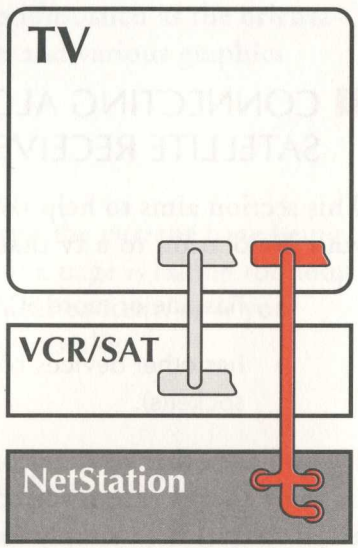
This section shows simplified representations of the most common combinations of TVs, VCRs and satellite receivers.



- TV has 1 SCART
- VCR/SAT has 2 SCARTs
- NetStation connects to the spare socket on the VCR/SAT

Refer to (overleaf):

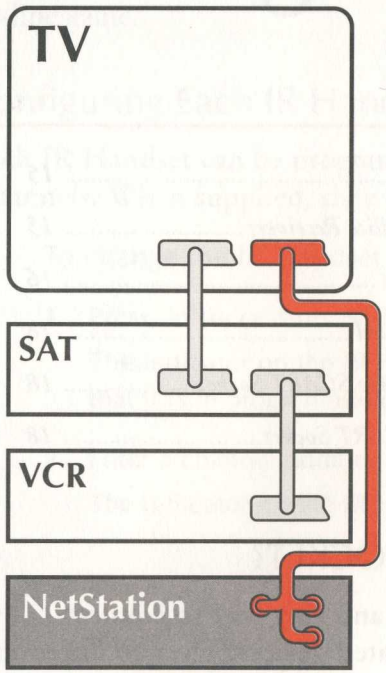
- Tuning Options note 2



- TV has 2 SCARTs
- VCR/SAT has 1 SCART
- NetStation connects to the spare socket on the TV

Refer to (overleaf):

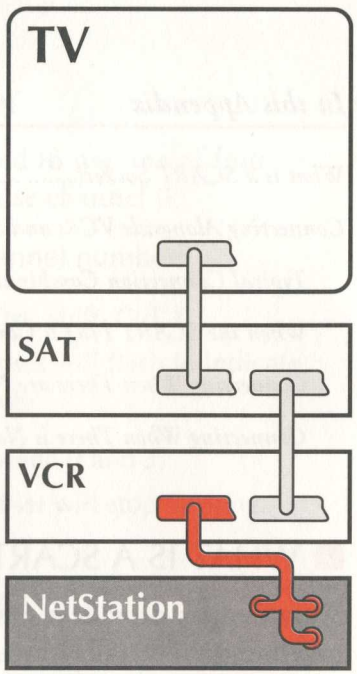
- Tuning Options note 1



- TV has 2 SCARTs
- SAT has 2 SCARTs
- VCR has 1 SCART
- NetStation connects to the spare socket on the TV

Refer to (overleaf):

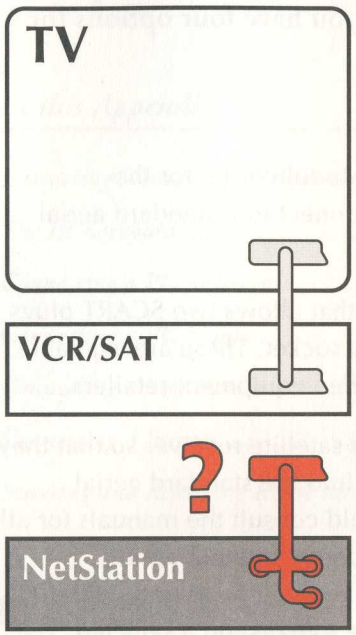
- Tuning Options note 1



- TV has 1 SCART
- SAT has 2 SCARTs
- VCR has 2 SCARTs
- NetStation connects to the spare socket on the VCR

Refer to (overleaf):

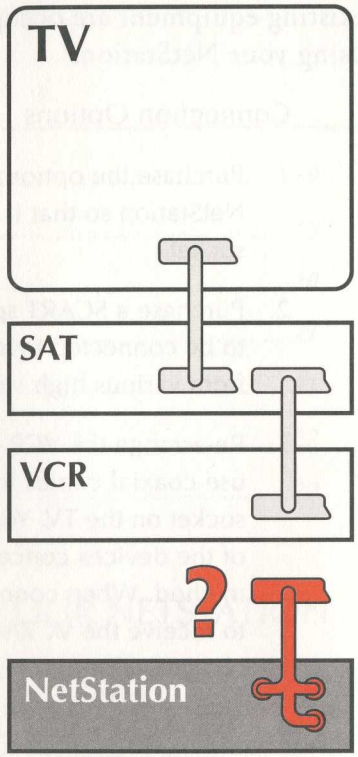
- Tuning Options note 2



- TV has 1 SCART
- VCR/SAT has 1 SCART
- No immediate connection available for NetStation

Refer to (overleaf):

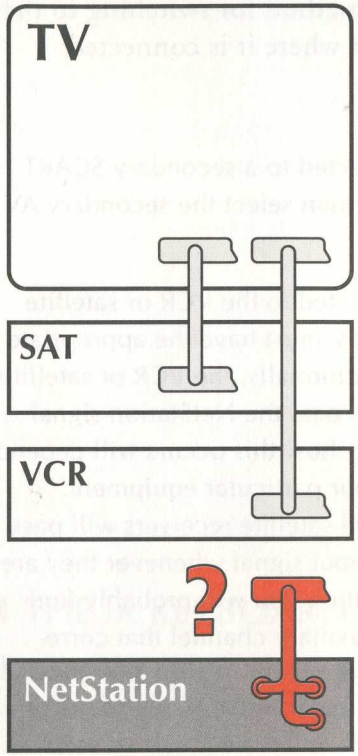
- Connection Options



- TV has 1 SCART
- SAT has 2 SCARTs
- VCR has 1 SCART
- No immediate connection available for NetStation

Refer to (overleaf):

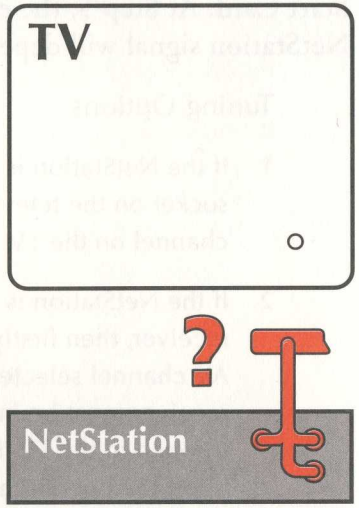
- Connection Options



- TV has 2 SCARTs
- SAT has 1 SCART
- VCR has 1 SCART
- No immediate connection available for NetStation

Refer to (overleaf):

- Connection Options



- TV has 0 SCARTs
- No immediate connection available for NetStation

Refer to (overleaf):

- When There is No SCART Socket on your TV

NOTE

Refer to the instructions supplied with your television, VCR and/or satellite receiver before attempting to connect the NetStation.

NOTE

Some satellite receivers have an additional SCART socket that is used only for connecting external decoders. These are not standard SCART sockets and cannot be used to connect your NetStation. Refer to your satellite receiver instructions for further information.

When the SCART Plug is Connected

When you have connected your NetStation to a free scart socket you can then proceed with Steps 2 to 4 on the Quick Start Card. At Step 5, the exact method for switching to the NetStation signal will depend on where it is connected:

Tuning Options

1. If the NetStation is connected to a secondary SCART socket on the television, then select the secondary AV channel on the TV.

2. If the NetStation is connected to the VCR or satellite receiver, then firstly the TV must have the appropriate AV channel selected. Additionally, the VCR or satellite receiver must be made to pass the NetStation signal through to the TV. Exactly how this occurs will depend upon the operation of your particular equipment. Generally, most VCRs and satellite receivers will pass through the NetStation input signal whenever they are in standby mode. In addition you will probably find that they also have an Auxiliary channel that corresponds to the SCART input socket.

Connecting When There are No Free SCART Sockets

In situations where all of the available scart sockets on your existing equipment are occupied, you have four options for using your NetStation:

Connection Options

1. Purchase the optional RF Modulator kit for the NetStation so that it can connect to a standard aerial socket.

2. Purchase a SCART splitter that allows two SCART plugs to be connected to a single socket. These are available from various high street video equipment retailers.

3. Re-arrange the VCR and/or satellite receiver so that they use coaxial cables to feed into the standard aerial socket on the TV. You should consult the manuals for all of the devices concerned before attempting this method. When connected you will need to tune the TV to receive the VCR/satellite signal(s) on a selected channel.

4. Swap SCART plugs depending on which devices you are using. This should be considered only as a short-term fix until one of the above solutions can be sought.

Connecting When There is No SCART Socket on your TV

If your tv does not have any scart sockets then you will need to purchase the optional RF Modulator kit for your NetStation. This unit will allow the NetStation to connect directly to the standard aerial socket of your tv.

APPENDIX

B

Optional Connections

In this Appendix

Interacting With Your NetStation 19

The IR Keyboard 19

Connecting a PC Keyboard 20

Connecting a PC Mouse 21

Connecting a Monitor 21

Connecting a Printer 22

Inserting and Removing ROM cards 22

INTERACTING WITH YOUR NETSTATION

While your NetStation is supplied as standard with the IR Handset, this is by no means the only available method of control. Similarly, your NetStation is not limited to communicating with you solely through a tv.

This Appendix explains how to connect numerous additional items to your NetStation.

THE IR KEYBOARD

This popular option gives you full control of your NetStation without the inconvenience of a cable so that you can use it anywhere in the room. The IR Keyboard is a must if you are often entering text - when using Email, for example. As well as full-size keys, the IR Keyboard also has a built-in pointing device that allows you to control the on-screen cursor when clicking on Web page links.

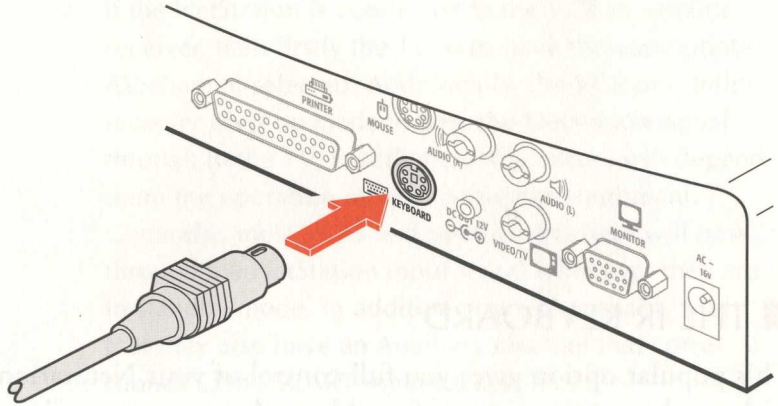
For information about optional NetStation accessories, please browse the NetStation Web Site at *www.netstation.co.uk*

CONNECTING A PC KEYBOARD

Your NetStation includes a socket to allow a standard personal computer keyboard to be used. The keyboard cable must have a 6-pin PS/2 style connector (see diagram).

To connect a keyboard:

1. Remove power from your NetStation by switching off the power adapter.
2. Locate the Keyboard socket at the rear of your NetStation.



3. Position the keyboard connector as shown in the diagram and push it into the socket until it is firmly seated.
4. Switch on the NetStation. The Num, Caps and Scroll Lock indicators should flash momentarily and then the Num Lock indicator should remain on.
5. Check that you can control the on-screen highlight box with the up/down arrow keys and that you can enter text correctly.

Keyboard Special Functions

The following keypress combinations perform specific NetStation operations:

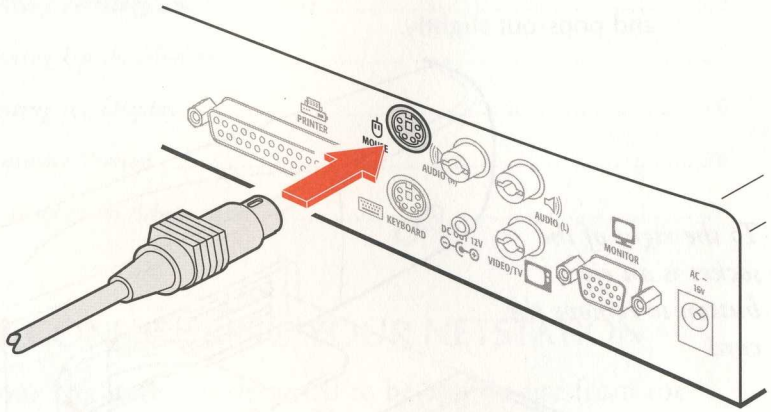
F1	Display help page
F2	Display the pop-up menu
F3	Display Open URL page
F4	Back to previous page
F5	Forward to next page
F6	Show history
F12	Toggle toolbar
CTRL F3	Toggle background on/off
CTRL F4	Toggle images on/off
Home	Return to home page
Escape	Stop fetching
Print	Print page
CTRL A	Add current page to favourites
CTRL S	Remove current page from favourites
CTRL L	Paste current URL into form
CTRL P	Print
CTRL F	Find text
CTRL G	Find text again
CTRL R	Reload current page
CTRL Y	Move highlight to next link
CTRL T	Move highlight to previous link
CTRL D	Show version information
CTRL Print	Open print options
Cursor up	Select previous link or scroll up
Cursor down	Select next link or scroll down
Cursor left	Scroll left
Cursor right	Scroll right
CTRL up	Scroll to top of page
CTRL down	Scroll to bottom of page
Shift CTRL up	Scroll up by a line
Shift CTRL down	Scroll down by a line
Shift CTRL left	Scroll left
Shift CTRL right	Scroll right
Page up	Scroll up by a page
Page down	Scroll down by a page
CTRL Tab	Move highlight to next link
Shift CTRL Tab	Move highlight to previous link
Enter	Confirm operations

CONNECTING A PC MOUSE

Your NetStation includes a socket to allow a standard personal computer mouse to be used. The mouse cable must have a 6-pin PS/2 style connector (see diagram).

To connect a mouse:

1. Remove power from your NetStation by switching off the power adapter.
2. Locate the Mouse socket at the rear of your NetStation.



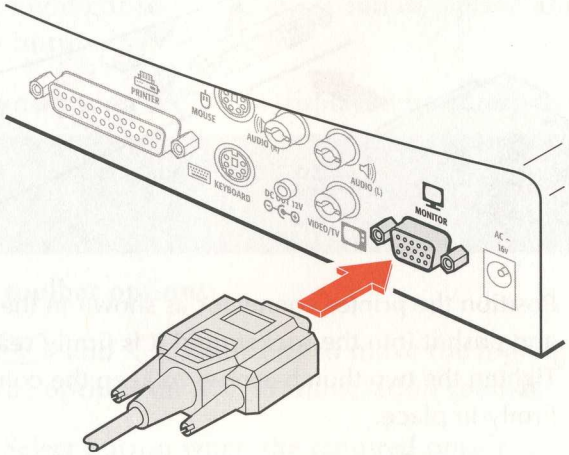
3. Position the mouse connector as shown in the diagram and push it into the socket until it is firmly seated.
4. Switch on the NetStation. Check that you can control the cursor correctly using the mouse.

CONNECTING A MONITOR

Your NetStation allows you to connect and use a standard personal computer VGA or SVGA monitor. The monitor cable must have a 15-pin D-Sub connector (see diagram).

To connect a monitor:

1. Remove power from your NetStation by switching off the power adapter.
2. Locate the Monitor socket at the rear of your NetStation.



3. Position the monitor connector as shown in the diagram and push it onto the socket until it is firmly seated. Tighten the two thumb-screws to keep the connector firmly in place.
4. Switch on the NetStation and the monitor. Check that the NetStation screens are displayed properly - if they are not, please refer to Appendix D of this guide for Troubleshooting tips.

   If you wish to change the resolution or the screen refresh rate (to eradicate any screen flicker), please refer to Appendix C of this guide under the heading 'Setting Up Your Monitor Display'.

Jargon Check

PS/2 *A range of IBM® PCs that introduced new, smaller keyboard and mouse connectors.*

VGA Video Graphics Array

The video standard used by nearly all PCs.

SVGA Super Video Graphics Array

A revision to the above that allows higher resolutions.

Printing Times

The graphic images within Web pages can sometimes delay your printer due to their size and complexity. If you are more interested in the textual content of a page, there is a way to substantially reduce printing times.

To reduce printing times:

1. Press the Menu button on your IR Handset.
2. Highlight the *Page* option and press the Right arrow button.
3. Highlight the *Print options* entry and press the Select button.
4. Graphic items within your printed output are controlled by the *Print images* and *Print backgrounds* options. When either option is ticked, the respective item will be included.

   To exclude either images or backgrounds, highlight the appropriate option and press the Select button.

Jargon Check

Centronics *The most common type of connection interface used for PC printers.*

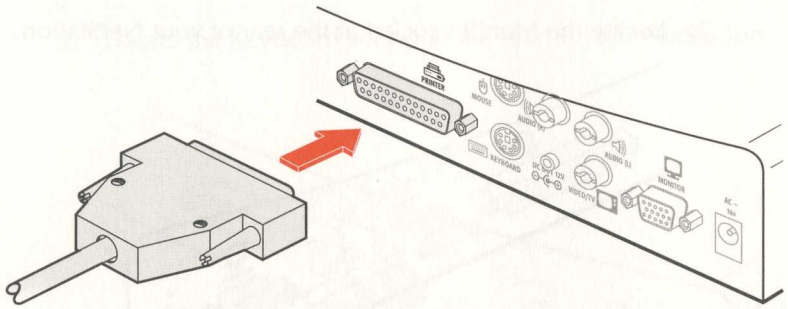
ROM Read Only Memory

CONNECTING A PRINTER

Your NetStation allows you to connect and use a standard personal computer printer. The printer must have a 'Centronics parallel' interface and the cable needs to have a male 25-pin D-Sub connector at the NetStation end.

To connect a printer:

1. Locate the Printer socket at the rear of your NetStation.



2. Position the printer connector as shown in the diagram and push it into the socket until it is firmly seated. Tighten the two thumb-screws to keep the connector firmly in place.
3. Switch on the NetStation and the printer.
4. Now you need to enter the NetStation Administration section and configure your printer. Please refer to Appendix C of this guide under the heading 'Setting Printer Options'.

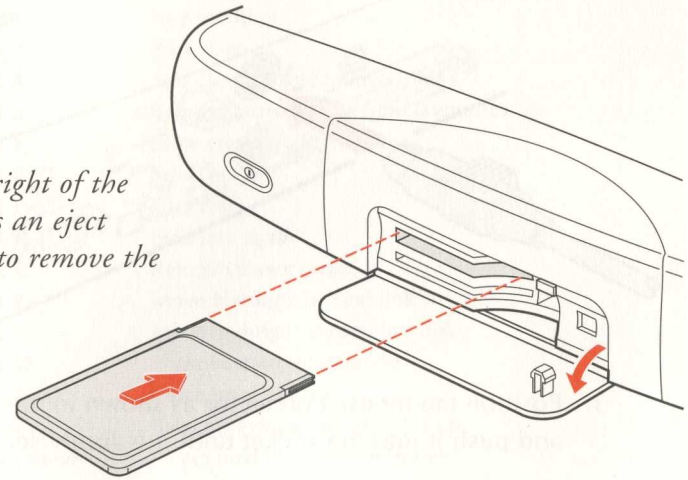
To test the printer: Display a Web page and press the Print button on the IR Handset.

INSERTING ROM CARDS

So that the capabilities of your NetStation can be expanded as future applications become available, it features a special slot that accepts pre-programmed ROM cards.

To insert a ROM card:

1. Remove power from your NetStation by switching off the power adapter.
2. Remove the Smart Card from its slot. Next, press-in the door that surrounds the Smart Card slot so that it clicks and pops-out slightly.



To the right of the socket is an eject button to remove the card

4. Open the door fully and locate the ROM card slot, it is upper-most and the larger of the two slots.
5. Position the ROM card as shown in the diagram and push it carefully into the slot until it is seated fully into place.
6. Close the door and click it into place.
7. Re-insert the Smart Card
8. Switch on your NetStation. Follow the instructions supplied with the ROM card on using the new features.

APPENDIX

C

Administration Options

In this Appendix

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Setting Printer Options 24

Setting Territory and Time Zone 24

Setting Up the Modem 25

Setting the Display 26

Software Version 26

Exiting From Administration 26

CONFIGURING YOUR NETSTATION

Your NetStation is designed to be easy-to-use from the moment it is unpacked. It is also designed to be flexible and straightforward to configure so that it suits your needs. The built-in Administration utility is how you ensure that the NetStation operates correctly with all of its attached options.

This Appendix covers all of the options within the Administration section.

ENTERING ADMINISTRATION

After inserting your Smart Card, you will be greeted by the 'Ready to Connect' menu.

Move the highlight to the 'Administration' option and press the Select button.

The Administration toolbar is displayed on-screen as follows:

To select toolbar options:

Use the ⇩ and ⇧ buttons to move the highlight between the options on the Administration toolbar.

Press the Select button when the required option is highlighted.

To choose or change settings:

Use the ⇩ and ⇧ buttons to move the highlight between settings.

Press the Select button to choose or change the highlighted setting.

Printing Times

The graphic images within Web pages can sometimes delay your printer due to their size and complexity. If you are more interested in the textual content of a page, there is a way to substantially reduce printing times.

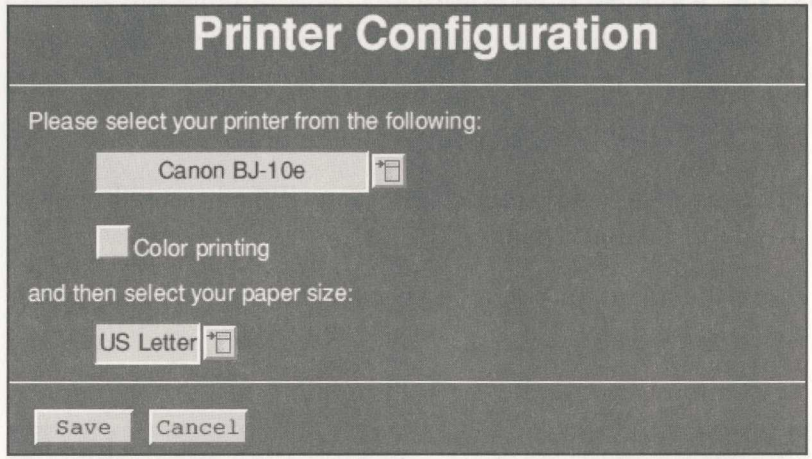
To reduce printing times:

1. Press the Menu button on your IR Handset.
2. Highlight the *Page* option and press the Right arrow button.
3. Highlight the *Print options* entry and press the Select button.
4. Graphic items within your printed output are controlled by the *Print images* and *Print backgrounds* options. When either option is ticked, the respective item will be included.

   To exclude either images or backgrounds, highlight the appropriate option and press the Select button.

SETTING PRINTER OPTIONS

Select the Printer option to display the following:



Selecting the Printer Type

Move the highlight to the Printer selection box and press Select to display the list of printers available. Choose the make and model of your printer, then press Select.

If your printer is not included in the list, check it's documentation to see if it emulates, or is compatible with, one of those that are listed. For example:

- Most dot matrix printers support the Epson FX-80 and GX-80 setting.
- Most inkjet printers will respond to the Canon BJ-10e setting.
- Nearly all laser printers emulate the HP LaserJet II setting.

Check if your printer supports the PostScript printing language, if it does, select the PostScript setting.

Color Printing

If the connected printer has colour capabilities and you wish to use them, move the highlight to the Color Printing option and press Select to show a tick in the box.

Paper Size

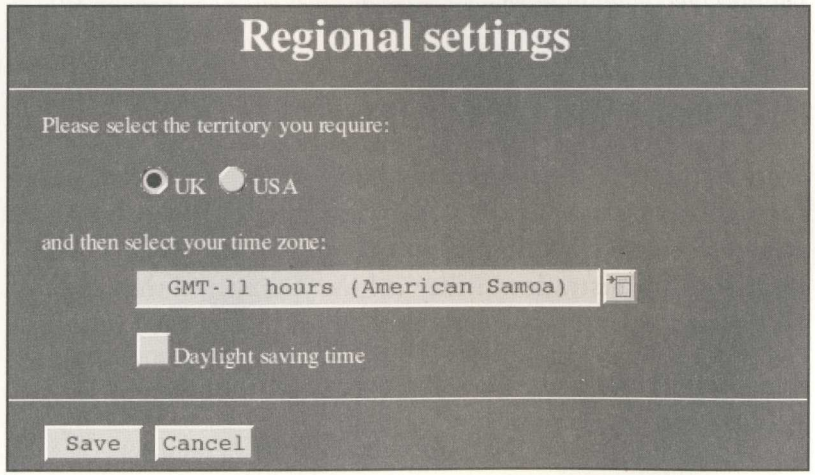
Choose the paper size you wish to use from the list of those available.

Exiting

Move the highlight to Save and press the Select button to confirm your choices. Alternatively, highlight Cancel and press Select to quit and discard any changes.

SETTING TERRITORY AND TIME ZONE

Select the Region option to display the following:



Territory

The Territory that you choose affects things like the keyboard layout, date format and local currency character.

Highlight the appropriate country and press Select.

Time Zone

The time of day is sent to the NetStation by your Internet Service Provider. This is usually provided in GMT, because the Service Provider does not know where you are located. In the US, where there are four time zones, this matters. So you must enter the local offset from GMT on your NetStation.

Move the highlight to the Time Zone selection box and press Select to view the full list. Highlight the appropriate entry and press Select.

Daylight Saving

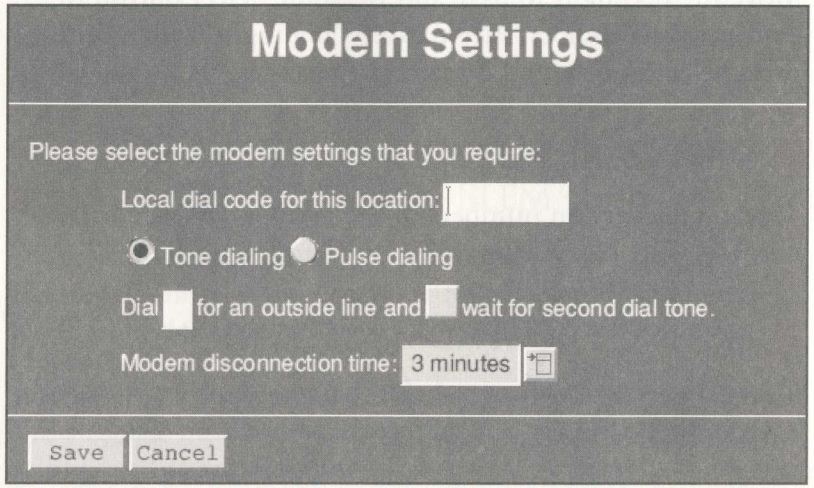
If daylight saving time is appropriate in your country (i.e. British Summer Time in the UK), highlight the Daylight saving time option and press Select to show a tick in the box.

Exiting

Move the highlight to Save and press the Select button to confirm your choices. Alternatively, highlight Cancel and press Select to quit and discard any changes.

SETTING UP THE MODEM

Select the Modem option to display the following:



This screen enables you to set up your NetStation to suit the telephone service you are using.

Local dial code

Enter your local dial code (US: area code; UK: STD code).

Tone or Pulse dialing

Highlight either the Tone dialing or Pulse dialing boxes and press Select to choose the appropriate setting.

If you are unsure as to which one you need, lift up your telephone and press a dial button. If you hear a musical note, select the Tone setting.

Accessing an outside line (if applicable)

If you have to dial a number (such as '9')to get an outside line, type this number in the 'Dial for an outside line' box.

If you also have to wait to get an outside dial tone, highlight the next box and press Select.

Modem disconnection time

Your NetStation has an automatic disconnection feature to avoid running-up unnecessary charges on your phone bill. The 'Modem disconnection time' box allows you to set a time period after which, if there is no activity on the line, it will automatically hang up.

There are six settings, from *3* to *30* minutes, plus a *Never* option which disables the auto disconnect feature. It is suggested that you try a smaller setting first, say *5* or *10* minutes to see if it fits with your style of Web browsing. The *Never* option must be used with caution.

Exiting

Move the highlight to Save and press the Select button to confirm your choices. Alternatively, highlight Cancel and press Select to quit and discard any changes.

Jargon Check

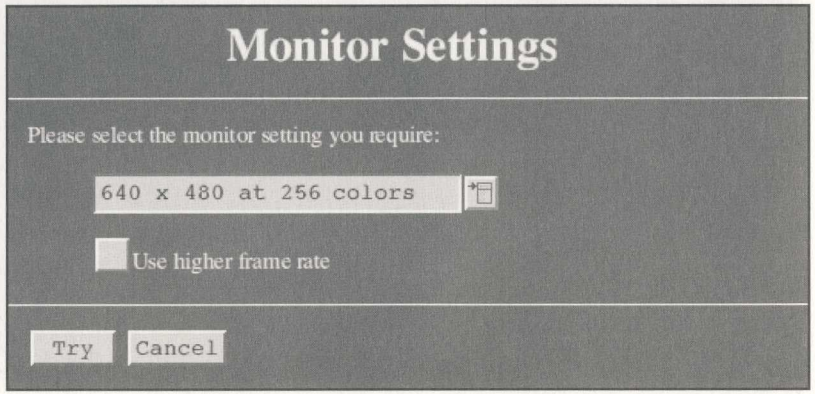
GMT Greenwich Mean Time

STD Standard Trunk Dialling

MODEM MOdulator/DEModulator
A device that converts the information used within computers into audible sound waves (and vice versa). This allows the information to be transferred through the standard telephone system. Your NetStation contains one of the fastest modems available for use with a telephone line.

SETTING UP YOUR MONITOR DISPLAY

If you are using a monitor to display the picture from your NetStation rather than a tv, Select the Monitor option to display the following:



The following resolution options are available:

- 640x480 at 256 colours
- 640x480 at 32 thousand colours
- 800x600 at 256 colours
- 800x600 at 32 thousand colours
- 1024x768 at 256 colours

Your NetStation defaults to 640x480 at 256 colours.

To change the current setting: Move the highlight to the resolution settings box and press Select to view the list. Highlight the required resolution and press Select. Then highlight the Try option and press Select.

Your NetStation will change to the new resolution setting and ask you to Save. If it receives no response within seven seconds, the monitor signal will automatically revert to the previous setting.

The higher the resolution and colour depth that you choose, the more memory is used up by the NetStation. This might sometimes limit the number of pictures you can display on a graphics-intensive Web page. Therefore, if you find that some Web page images are not being displayed, you can gain more memory by switching to a lower resolution and/or colour depth.

Use Higher Frame Rate

For quality monitors that support higher scanning frequencies, your NetStation allows you to increase the frame rate. This will ensure that there is no noticable screen flicker on the monitor.

To change the current setting: Move the highlight to the 'Use higher frame rate' box and press Select to show a tick in the box. Next, highlight the Try option and press Select.

Your NetStation will change to the higher frame rate and ask you to Save. If it receives no response within seven seconds, the monitor signal will automatically revert to the previous setting.

Exiting

Move the highlight to Save and press the Select button to confirm your choices. Alternatively, highlight Cancel and press Select to quit and discard any changes.

SOFTWARE VERSION

To view the version numbers of the various software components of your NetStation, select the Version option.

EXITING FROM ADMINISTRATION

To return to the browser, select the Close option (the button with a cross on it).

APPENDIX

D

Troubleshooting

In this Appendix

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No lights showing on the NetStation front panel 27

Continuous red light showing on NetStation front panel 27

Continuous green light on NetStation but no TV image 27

No free SCART socket on the TV 28

Continuous green light on NetStation but no monitor image 28

Monitor image is flickering and unreadable 28

Screen is red and front panel lights are flashing alternately 28

NetStation does not acknowledge the Smart Card 28

NetStation does not respond to the IR Handset 28

No keyboard and/or mouse operation 28

Modem dials but does not go past 'Dialing' stage 28

Getting Assistance 29

WHEN THERE IS A PROBLEM

Your NetStation is manufactured to the highest standards to ensure reliability. However, there may be times when your NetStation does not behave as expected.

This Appendix lists some problems that you may encounter and suggests possible solutions that you should try before calling for further assistance.

PROBLEMS AND SUGGESTIONS

No lights showing on the NetStation front panel

- Is the power adapter plugged into a nearby mains socket?
- Is the mains socket switched on?
- Is the power adapter plugged fully into the correct socket on the back panel of your NetStation?
- Try removing the power adapter plug from its socket on the NetStation and then replacing it after a few seconds.

Continuous red light showing on NetStation front panel

- Press the Standby button on the NetStation front panel.

Continuous green light showing on NetStation but no image on the TV screen

- Are the Red, White and Yellow phono plugs attached to the appropriate sockets on the back panel of your NetStation? Refer to the Quick Start Card supplied with this guide for more information.
- Is the SCART plug connected to the SCART socket on your TV?
- Is the AV channel selected on your TV?
- If there are two SCART sockets on your TV, is the appropriate AV channel selected for the NetStation connection?
- Try removing the power adapter plug from its socket on the NetStation and then replacing it after a few seconds.

There is no free SCART socket on the TV

- Refer to Appendix A of this guide for further information.

Continuous green light showing on NetStation but no image on a connected monitor screen

- Is the monitor cable plugged fully into the correct socket on the back panel of your NetStation?
- Is the power light showing on the monitor? If not, check the power connection to the monitor and that it is switched on.
- Are the monitor's brightness and contrast settings set high enough to display a picture?
- Is the monitor VGA or SVGA compatible? If not, it cannot be used with your NetStation.

The image on the monitor is flickering and unreadable

- Is the monitor cable plugged fully into the correct socket on the back panel of your NetStation?
- Is the monitor VGA or SVGA compatible? If not, it cannot be used with your NetStation.
- Try removing the power adapter plug from its socket on the NetStation and then replacing it after a few seconds.

Screen is red and the front panel lights are flashing alternately

- Try removing the power adapter plug from its socket on the NetStation and then replacing it after a few seconds. If the problem persists then contact the Help Line number printed on your Smart Card.

NetStation does not acknowledge the Smart Card when Inserted

- Try removing the Smart Card. Check that the oval-shaped gold connectors are facing downwards and their end of the card is inserted first. If the problem persists then contact the Help Line number printed on your Smart Card.

NetStation does not respond to the IR Handset

- Are the batteries correctly installed in the IR Handset? Refer to Chapter 3 of this guide for more information.
- Is there a clear line of sight between the IR Handset and the NetStation front panel?

No operation from a connected computer keyboard and/or mouse

- Are the keyboard and/or mouse cables connected to the correct sockets on the rear panel of your NetStation? Refer to Appendix B of this guide for more information.

When the modem dials to go online, the screen displays 'Dialing' but does not advance to 'Connecting' within one minute

- Is the cable connected between your NetStation and the phone socket attached correctly at both ends? Refer to the Quick Start Card supplied with this guide for more information.
- Is the phone line operating normally? Try plugging a telephone into it and see if you hear a dial tone when the handset is lifted.

continued opposite

- Try plugging a telephone into the other socket of the supplied T-piece adapter and pick up the phone shortly after your NetStation begins dialling. Listen for the NetStation dialling its number, then for a high pitched squeal as the modem at the other end answers. If you hear a recorded message saying 'the dialled number has not been recognised', then your NetStation may be set to dial a number for an outside line (follow the instructions given below).
- Do either of these situations apply?:
  - Does your phone line use Pulse dialling? If you are not sure, attach an existing telephone to the line being used and listen when the '9' button is pressed. If you hear a series of clicks rather than a short tone, then your line may require Pulse dialling to be set.
  - Does the line that you are using go through an internal exchange that needs an extra code to get an outside line?
- For either of the above situations, enter the Modem section of the built-in NetStation Administration utility (refer to Appendix C of this guide for more information on how to do this). Check within the Modem screen that the settings of the 'Tone/Pulse' or 'Dial for an outside line' options match the requirements of your phone line.

GETTING ASSISTANCE

If you have a persistent problem that the hints in this section do not solve, you can get further help by contacting the Help Line number printed on your Smart Card.

Conditions of Approval for PSTN Connection in the UK

BABT APPROVAL NUMBER 607159

Statutory Requirements

The V.34 NS1-UK modem is approved by the Secretary of State at the Department of Trade and Industry for connection to a single line of the Public Switched Telephone Network (PSTN) run by certain licenced public telecommunication operators or systems connected thereto (Direct exchange lines only, not shared service or 1-1 carrier systems).

The V.34 NS1-UK modem is also suitable for connection to Private Automatic Branch Exchanges (PABXS) which return secondary proceed indication.

If the V.34 NS1-UK modem is to be used with a PABX which has extension wiring owned by BT, connection of the V.34 NS1-UK modem to the PABX can only be carried out by BT; or, by the authorised maintainer of the PABX unless the authorised maintainer has been given 14 days written notice that the connection is to be made by another person, and that period of notice has expired.

The V.34 NS1-UK modem is suitable for use only with telephone lines provided with Loop-Disconnect (Pulse Dial) or Dual Tone Multi-Frequency (DTMF) dialling facilities.

V.34 NS1-UK modem users are advised that the approval is for connection to the PSTN via the telephone line interface supplied with it. Connection of the V.34 NS1-UK modem to the PSTN by any other means will invalidate the approval.

There is no guarantee of correct operation in all circumstances. Any difficulties should be referred to the equipment supplier.

Some network operators require that the intended users of their network request permission to connect apparatus to that network and for the installation of an appropriate socket.

The V.34 NS1-UK modem is only approved for use of the following facilities:

- Detection of initial proceed indication
- Automatic calling/automatic answering
- Tone detection
- Operation in the absence of secondary proceed indication.

The V.34 NS1-UK modem is NOT approved as an extension to a payphone.

The V.34 NS1-UK modem is NOT approved for connection to uk private speechband services.

The V.34 NS1-UK modem does not support an automatic redial function.

Any other usage of the V.34 NS1-UK modem will invalidate its usage, if, as a result, it then ceases to conform to the standards against which approval was granted.

The V.34 NS1-UK modem's approval is invalidated if the apparatus is subject to modification in any material way not authorised by BABT.

Ring Equivalence Number (REN)

The ring equivalence number of the V.34 NS1-UK modem is 1 (one). REN is a guide to the maximum number of apparatus that can be simultaneously connected to one telephone line. The REN value of each apparatus is added together, and should not exceed 4 (four). Unless otherwise marked, a telephone can be assumed to have a REN of 1 (one).

Safety Notices

The V.34 NS1-UK modem is approved for usage under the following safety standards:

EN41003:1993
EN60950:1992/A2 1993

Limited Warranty

LIMITED WARRANTY

NetProducts Limited warrants that (a) the Programs will perform substantially in accordance with the User Guide for a period of 90 days from the date of receipt: and (b) the NetProducts Limited supplied NetStation will be free from material defects in materials and workmanship under normal use and service for a period of one year from the date of receipt. Any implied warranties in respect of the Programs and/or the NetStation to the extent they are not excluded in accordance with the provisions below are limited to 90 days from the date of receipt in the case of the Programs and 1 year from the date of receipt in the case of the NetStation or the shortest period permitted by applicable law whichever is the greater.

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NetProducts Limited's entire liability and your exclusive remedy shall be, at NetProducts Limited's option either (a) return of the price paid or (b) repair or replacement of the Programs or NetStation that does not meet NetProducts Limited's Limited Warranty and which is returned to the place from which you obtained it with a copy of your receipt. NetProducts Limited shall not be liable to you for any failure of the Programs and/or the NetStation if such failure results from any accident, abuse or misapplication of the Programs and/or the NetStation by you or if there has been an unauthorised variation or addition to the Programs and/or the NetStation. Any replacement Programs or NetStation will be warranted for the remainder of the original warranty period or 30 days, whichever is longer.

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