TechNote 1

Get Connected

Dial-up Procedures for Windows 9x/NT/2000/XP and MacOS 7.6.1 - MacOS X

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Introduction

How do I start? First you will need a computer, a modem and a phone line! We recommend you obtain a 'Hayes compatible' modem that can operate at a baud rate of 28.8K or higher. This is the speed at which the modems send information down the phone line. A slower modem will mean you will spend more time on the phone and give more money to the phone company. Computing Services modems can operate at speeds up to 36.6K baud. **Registering For** If you are a member of college staff or a related organisation, you are entitled Modem Access to access the college via dial-up. If you already have an account on our UNIX service, just contact Computing Services Liaison (Ext. 5298) and ask them to add modem access (a dial-up account). If you do not have an account on the UNIX service, you will need to come along to Computing Services and fill in a form. We can normally register you the next day. PC users will also need to collect a disc from Computing services containing a 'script file' to be copied to their hard disc. What do I need You will need two types of software on your computer. on my computer? Firstly, you will need network drivers to make and maintain a connection via the modem. Current versions of Windows and Mac operating systems will already contain these programs, which just need to be configured correctly. Once a network connection has been established, you will need other programs, often referred to as Internet applications, to read and send email, browse the World Wide Web or use the PC as a terminal to other machines. Again, there are versions of these programs bundled with the operating systems. For example, Windows usually contains an email program called Outlook Express, the Internet Explorer web browser and a terminal emulator called Telnet. You could also install your own preferred programs for email or web browsing such as Eudora or Netscape. Internet applications also need to be configured correctly; especially the email programs and you should read Section 3 for details. Note: Throughout this document menu options have been typed in *Italic* and sub menus indicated with a > character.

Section 1 Dial-up on a PC

Using Windows 95

To make a dial-up connection using Windows 95 follow these steps:

Copy the script file (login2.scp) supplied by Computing Services into the Accessories folder on your hard disk (located in the Program Files folder)

Choose:

Start > Programs > Accessories > Dial-Up Networking

Click on:

Make New Connection.

Set the following parameters:

Area Code:020Telephone number:7882 5599Country Code:United Kingdom (44)

Click on:

Finish.

Rename the newly created icon to QM.

Click once on the new icon then select:

File > Properties

Make sure that the type of dial-up service is set to **PPP** and that the TCP/IP settings are as follows:

Server assigned IP address Primary DNS: 138.37.6.1

Still in the Properties window select:

Scripting

OR, if there is no *Scripting* tab:

Go to: *Start > Programs > Accessories > Dial-Up Scripting Tool* Select the QM connection.

Then:

In the file name box type the location of the login2.scp file copied to the hard disc earlier or use the browse facility to find it.

Click:

Apply

Double click on the QM icon.

Enter the username and password for your dial-up account (same as your alpha username and password) and click *Save password* if required.

Successful Connection You have now made a network connection and are ready to start your favourite email program to read your email or a terminal emulator if you want to log in to alpha or another remote machine or start a web browser to surf the World Wide Web.

Future Connections To make future connections once all the settings have been successfully saved:

Choose:

Start > Programs > Accessories > Dial-Up Networking

Double click on the QM icon

Alternatively, you could place a shortcut for the QM icon on the Desktop.

Using Windows 98

To make a dial-up connection using Windows 98 follow these steps:

Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\Program Files\Accessories

Choose:

Start > Programs > Accessories> Communications > Dial-Up Networking

Double-click on:

Make New Connection

<u> </u>	N
Dial-Up Networking	Make New My Connection
This folder contains	

Type in a name for the connection, for example QM and click Next.

The Modem type and name appears in the Select Device window automatically and there is normally no need to configure this. However, if it this is not the case, click Configure and set up the modem by going through the modem set-up wizard.



Insert the phone number and the Country Code



The following window will confirm your configurations so far.

-	QMUL				
Phone n Area o 020	umber: code:	Telepho 788255	one numbe 599	r:	
Count Unite	ry code: d Kingdom se area coc	(44) le and Di	aling Prope	erties	¥
- Connect	using: Standa	rd 56000	bps V90 N	1odem	-
~				<u>C</u> onfigur	e

Click on the Server Types Tab and set the parameters as shown below:

eneral Sorro	r rapes [seli	pang Malalink
Type of Dial-U	p <u>S</u> erver:	
PPP: Internet	, Windows NT	Server, Windows 98 📃 💌
-Advanced o	ptions:	
□ <u>L</u> og or	to network	
F Enable	software <u>c</u> om	pression
🔽 Requir	e <u>e</u> ncrypted p	assword
🗖 Requir	e <u>d</u> ata encrypl	tion
E Becord	d a log file for t	his connection
Allowed net	work protocols	
∏ <u>N</u> etBE	UI	
□ IPX/SF	PX Compatible	
	2	TCP/IP Settings

Click on the TCP/IP Settings button and set the parameters as shown below:

Specify an IP address	ess	3	-				_	2	í
IP <u>a</u> ddress:	0	•	0		0	i i	0]	
C Server assigned na	ame se	erve	er ac	Idre	esse	s			3
 Specify name serve 	er add	lres	ses						
Primary <u>D</u> NS:	138	4	37	×.	6		1		
Secondary D <u>N</u> S:	0	34	0		0	-22	0]	
Primary <u>W</u> INS:	0	34	0		0	-	0		
Secondary WINS:	0	5	0		0	•	0]	
									50

Click OK

Click on the Scripting tab and browse to the script file (login2.scp) you copied earlier to the Accessories folder:

IUL	
General Server Typ	pes Scripting Multilink
Script file	
File <u>n</u> ame:	
C:\Program Files	s\Accessories\login2.scp
	Edit Browse
Chan through an	and a second
Step through so	pript
☐ Step through so ✓ Start terminal so	oript oreen minimized
☑ Step through so ☑ Start terminal so	rript sreen <u>m</u> inimized
☑ Step through so ☑ Start terminal so	sript sreen <u>m</u> inimized
Step through so Start terminal so	sript sreen <u>m</u> inimized
☐ Step through so ✓ Start terminal so	sript sreen <u>m</u> inimized
☐ Step through so ✓ Start terminal so	sript sreen <u>m</u> inimized
☐ Step through so ✓ Start terminal so	sript sreen <u>m</u> inimized
☐ Step through sc ✓ Start terminal sc ✓ Start terminal sc	sript sreen <u>m</u> inimized
☐ Step through sc ✓ Start terminal sc ✓	sript sreen <u>m</u> inimized
☐ Step through sc ✓ Start terminal sc ✓ Start terminal sc	sript sreen <u>m</u> inimized
☐ Step through sc ✓ Start terminal sc ✓ Start terminal sc	sript sreen <u>m</u> inimized
☐ Step through sc ✓ Start terminal sc ✓ Start terminal sc	sript sreen <u>m</u> inimized
Step through sc ✓ Start terminal sc ✓ Start terminal sc	sript sreen <u>m</u> inimized



Click on Multilink and set the parameters as shown below:

۰D	o <u>n</u> ot use ac	lditional c	levices			
	se additiona	l devices				
) Selec	ted device:					
	Add		lemoue	1	Edit	-Ê

Click OK

You are now ready to dial-up in to the college. A short cut to the QMUL connection could be placed on the desktop for easier access.

To dial-up:

Double-click on the QMUL icon.

📑 ом	UL	
User name:	ļ	
Password:	Save password	
Phone <u>n</u> umber:	78825599	_
Dialing from:	New Location	Dial Properties

Enter your username and password in the appropriate boxes and check "Save Password" if required.

If you are dialing from a location where you first need to connect to an outside line click on the Dial Properties and set the parameters as indicated below:

.,	**				
l am <u>d</u> ia	ling from:				4
New L	ocation		<u>N</u> ew	Bemove	
I am in I	his country/r	egion:	Area <u>c</u> ode	в:	
United	Kingdom	-	020	Arga (Code Alules
-When d	ialing from he	ere			
To acc	ess an outsid	e line:			
	For local call	s, dial	9		
	For long dist	ance calls, (dial 🧃		
T To	disable call <u>w</u>	aiting, dial:	Γ	*	
Dial usi	ng: 🖲 <u>I</u> or	ie dial i C	<u>P</u> ulse dial		
For For	long distance	e calls, <u>u</u> se l	this calling	card:	
Γ	Vone (Direct	Dial)		🝸 Callir	ig Card
Number t	be dialed:	9 78825599	Э		



You are now ready to connect. So just click the Connect button.

Successful Connection You have now made a dial-up connection and are ready to start your email program or a terminal emulator if you want to log in to alpha or another remote machine, or start a web browser.

Note that Dial Properties only need to be set once and future connections can be made by just double-clicking the connection icon.

Using Windows 2000

To create a dial-up network connection using Windows 2000 follow these steps:

Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\WINNT\System32\ras\

Click on the Start button then choose

Settings > Network & Dial-Up Connections > Make New Connection.

This will start the Network Connection Wizard where you should click on the *Next* button.

In the 'Network Connection Type' dialogue box, select Dial-up to Private Network Click the *Next* button.

In the 'Phone number to dial' box:

Place a tick in the 'Use Dialling Rules' box Enter your area code in the 'Area Code' field Select the country you are calling from in the drop-down list Enter the phone number to be dialled Click the *Next* button.

(If you need to enter a number for an outside line i.e. 9 you will need to find the 'Phone & Modems' option in Control Panel by choosing *Start* > *Settings* > *Control Panel* and edit the Dialling Rules for your location)

In the 'Connection Availability' dialogue box: Select the 'For all users' option Click the *Next* button.

Finally give your connection a name, e.g. QM and, if you wish, place a tick in the box to place a shortcut to this connection on your desktop.

Click on the *Finish* button and your Dial-up Connection dialogue box will launch:

Connect Qmw	? X
	J
<u>U</u> ser name:	cgaa667
<u>P</u> assword:	
	Save password
Djal:	7882 5599
<u>D</u> ial	Cancel Properties <u>H</u> elp

Enter your User Name in the relevant field and click on the *Properties* button. This will launch the dialogue box below.

Qmw
General Options Security Networking Sharing
Connect using:
Modem - U.S. Robotics 56K FAX EXT (COM1)
Configure
Phone number
Ar <u>e</u> a code: <u>P</u> hone number:
020 T 7882 5599 Alternates
Country/region code:
United Kingdom (44)
Use dialing rules <u>R</u> ules
Show icon in taskbar when connected
OK Cancel

Select the *Security* tab and ensure that all fields are selected as below.

Qmw ? X						
General Options Security Networking Sharing						
Security options ① Iypical (recommended settings) Validate multicentity as follows:						
Allow unsecured password						
Automatically use my Windows logon name and password (and domain if any)						
Require data encryption (disconnect if none)						
Advanced (custom settings) Using these settings requires a knowledge <u>Settings</u> of security protocols.						
Interactive logon and scripting						
<u>R</u> un script: C:\WINNT\System32\ras\login2.scp						
<u>E</u> dit <u>B</u> rowse						
OK Cancel						

You should also ensure that you have copied the login script file (login2.scp) supplied by Computing Services into the folder C:\WINNT\System32\ras

Now select the *Networking* tab and ensure that Internet Protocol (TCP/IP) is the only component with a tick next to it.

Qmw				
General Options Security Networking Sharing				
Type of dial-up server I am calling:				
PPP: Windows 95/98/NT4/2000, Internet				
<u>S</u> ettings				
Components checked are used by this connection:				
🔲 🍹 NWLink IPX/SPX/NetBIOS Compatible Transport Pro 🔺				
✓ Y Internet Protocol (TCP/IP)				
🔲 📇 File and Printer Sharing for Microsoft Networks				
Client for Microsoft Networks				
Install Uninstall Properties				
Description				
Transmission Control Protocol/Internet Protocol. The default				
across diverse interconnected networks.				
OK Cancel				

Remaining on the *Networking* tab:

Highlight 'Internet Protocol (TCP/IP)' as above Click on the *Properties* button. This will launch another dialogue box where you should enter the details below.

Internet Protocol (TCP/IP) Properties		<u>? ×</u>				
General						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatically						
Use the following IP address:						
IP address:		-				
Obtain DNS server address automatica Obtain DNS server addresse Preferred DNS server: Alternate DNS server:	IIIy es: B. 37 . 6 . 1					
	Ad	vanced				
	OK	Cancel				

When completed click on *OK* and *OK* again.

This will return you to the Connect dialogue box where you should now enter your password. Check that your modem is plugged in, etc and click on the *Dial* button.

Connect qmw	<u>.</u>	? ×
	IPP	
<u>U</u> ser name:	cgaa667	
<u>P</u> assword:	******	
	Save password	
Djal:	7882 5599	•
Dialing <u>f</u> rom:	My Location Dialing Rules	
<u>D</u> ial	Cancel Properties <u>H</u> elp	

This will now dial the number and connect you to the network.

Successful Connection Once the connection is made you can use your preferred Internet programs such as Netscape or Eudora.

Future Connections Now that the settings have been saved, to make future connections: Choose:

Start > Settings > Network & Dial-Up Connections > QM

or whatever you called your connection. Then enter your password and click on *Dial*.

Alternatively, you could place a shortcut for the QM entry on the Desktop.

Using Windows NT

To make a dial-up connection, follow these steps:

Copy the script file, login2.scp, supplied by Computing Services into the C:\WINNT\system32\ras folder on the hard disc.

If not already installed, install Dial-Up Networking.

Choose:

Start > Programs > Accessories > Dial-Up Networking

The following error will appear: No entry in the Phonebook

Click OK, then follow the Wizard	, using the following information:
First window	
Entry name:	QM
Second window	
Check second option	Plain text password
Third window	
Telephone no:	7 8825599

The Dial-Up Networking window should similar to this:

	Phonebook entry to dial:
	igmw 🔽
	New More -
× 1	Phone number pre <u>v</u> iew:
*	78825599
le f reeze	Dialing fr <u>o</u> m:
	New Location
	Location

Display the properties of the Phonebook entry by choosing: *More > Edit Entry > Modem Properties.*

💑 Dial-Up Networking	? ×
Edit Phonebook Entry	3
Basic Server Script Security X.25	Ð
After dialing (login)	
C None	
O Pop up a terminal window	
Run this <u>s</u> cript:	
D:\WINNT\System32\ras\LOGIN2.SCP	
<u>E</u> dit script <u>R</u> efresh list	P
<u>B</u> efore dialing	上
OK Cancel	

Basic: Double check the setting, making sure the phone number is correct

Server:

Type of dial-up server should set to **PPP** and network protocol should be **TCP/IP**. Other settings should left as default.

Script: Assign login script file, Click on *Run this script* then select *login2.scp*

from the list.

	Click on:
	Dial
	Enter the username and password for your alpha account and click <i>Save password</i> if required.
Successful Connection	Once the connection is made you can use your preferred Internet programs such as Netscape or Eudora.
Future Connections	Now that the settings have been saved, to make future connections:
	Choose:
	Start > Programs > Accessories > Dial-Up Networking > Phonebook
	Choose <i>QM</i> from the list
	Click on:
	Dial
	Alternatively, you could place a shortcut for the QM entry on the Desktop.

Get Connected

Using Windows XP

Copy the login script file (login2.scp) supplied by Computing Services into the folder C:\Windows\System32\ras\

Click on your Start button and select My Network places.

Select *View Network Connections* from the options under Network Tasks.



Then select *Create a new connection* in the subsequent window.



This will launch the New Connection Wizard. Click on the Next button. Ensure that 'Connect to the internet' is selected and click *Next*.

Choose Setup my connection manually and click Next.

Select *Connect using a dial-up modem* and click *Next*.

Type the name of your ISP, i.e. QMUL and click Next.

Enter the QMUL dial-up number (020 7882 5599) and click Next.

Enter your details in the relevant places. (If you have more than one dialup connection you may want to unselect the *Make this the default internet connection option*.) Click *Next*.

New Connection Wizard					
Internet Account Information You will need an account name and password to sign in to your Internet account.					
Type an ISP account na safe place. (If you have	ame and password, then write down this information and store it in a forgotten an existing account name or password, contact your ISP.)				
<u>U</u> ser name:	cgaa667				
Password:	•••••				
<u>C</u> onfirm password:	•••••				
Use this account name and password when any one connects to the Internet from this computer					
✓ Make this the default Internet connection					
✓ <u>I</u> urn on Internet Cor	nnection Firewall for this connection				
	< <u>B</u> ack <u>N</u> ext > Cancel				

If you want to create a shortcut to the new connection on your desktop click in the box, otherwise, click *Finish*.

This will launch the dialogue box for your new connection. Click on the *Properties* button.

Connect QM	N ? 🔀
<u>U</u> ser name:	cgaa667
Password:	[To change the saved password, click here]
Save this i Me o <u>nly</u> Anyone	user name and paseword for the following users: who uses this computer
Djal:	020 7882 5599
Dial	Cancel Properties Help

1

Select the Networking tab and ensure that *Internet protocol (TCP/IP)* is the only option ticked.

General	Options	Security	Networking	Advan	ced	
Typ <u>e</u> ol	dial-up se	rver I am	calling:			
PPP: \	Vindows 9	5/98/NT	4/2000, Interne	et /	/	~
This c <u>o</u>	nnection (NWLink I Internet P File and F Client for	uses the f PX/SPX/ Protocol (T Printer Sha Microsoft	ollowing items /NetBIOS (Comp (CP/IP) aring for Microse Networks	patible Tr oft Netw	ransport Pro	
Concession of the local division of the loca	Client Ser	vice for N	letWare			~
				1		-
	<u>n</u> stall		<u>U</u> ninstall		Properties.	

Select the "Security" tab and ensure that all fields are selected as below.

onordi	Options	Security	Networking	Advanced
Secur	ity options			
ΟŢ	pical (reco	ommended	settings)	
⊻a	alidate my	identity as	follows:	
A	llow unse	cured pass	word	~
	passwor Require vanced (d sing these security p	d (and don data encry custom set settings re rotocols.	nain if any) ption (disconn tings) oquires a know	lect if none) vledge <u>S</u> ettings
Interac	ctive logo ow termin	n and scrip al window	ting	
Bu	in script:	:\WINE	DDWS\Syster	n32\ras\login2.scp
		201	Edit	Browse
				Promos

Check the "Run script" box then click on "Browse" and select the login2.scp file. Click on *OK* and your new dial-up connection is now ready for use.

Section 2 Dial-up on a Macintosh Using MacOS 7.6.1 - MacOS 9

Step 1 – Setting up the modem control panel

Select:

Apple Menu > Control Panels > Modem



Fig. 1

In the Modem Control Panel (Fig 2) select: *Connect Via > Modem Port* Setup > choose your modem model from the

Setup > choose your modem model from the list

		Mo	dem 📃 E	3
	Connect via:	Modem Po	ort ≑	
	Setup			
	Modem :	US Roboti	ics Universal 👤	
	Sound :	🖲 On	Off	
	Dialing:	Tone	🔘 Pulse	
	Ignore dial tone			
3				

Fig. 2

Close the Modem Control Panel, saving the settings when prompted.

Step 2 – Setting up the TCP/IP control panel

Select: *Apple Menu > Control Panel > TCP/IP* In the TCP/IP Control Panel (Fig. 3) select: *Connect Via > PPP Configure > Using PPP Server* and enter:

Name server add	r:	138.37.6.1
Search domains:	qmu	I.ac.uk

	TCP/IP	
Connect via:	PPP 🛟	
Configure :	Using PPP Server	
IP Address:	< will be supplied by server >	
Subnet mask :	< will be supplied by server >	
Router address:	< will be supplied by server >	
		Search domains :
Name server addr.:	138.37.6.1	qmw.ac.uk
2		



Close the TCP/IP Control Panel, saving the settings when prompted.

Step 3 – Setting up the PPP control panel

Select:

Apple Menu > Control Panel > PPP

(In MacOS 8.5 choose Remote Access replaces PPP)

In the PPP window (Fig. 4) enter

Name:your dial-up user namePassword:your dial-up passwordNumber:020 7882 5599

- Connect	ion
	🖲 Registered User 🕥 Guest
Name :	username
Password:	•••••
	X Save password
Number :	02078825599
- Status -	
ld1e.	

Fig.4

Step 4 – Making a connection and saving a script

In the PPP control panel (Fig. 4) select:

Options

In the Options window (Fig. 5) select: *Protocol* (in MacOS 8.5: select *ppp* in Protocol window then:) *Use terminal window*





Click: OK

To return to the PPP control panel, then click: *Connect*

In the PPP Terminal window Select: *Settings*

In the Settings window (Fig. 6) select the check boxes as shown.





Click on: OK

To return to the PPP Terminal window.

Press the return key once then enter your dial-up username, password and **ppp default** as shown in Fig. 7.

PPP Terminal		
User Access Verification	A	
Username: ugen529 Password: dialup-cisco> pp defauit		
•		
< <u> </u>	×	
Settings	Cancel Continue	Fig.

7

Click: *Continue*

In the next window (Fig. 8) select a Folder and enter a file name for the script e.g. **script1**:

🗑 Desktop 😫	👝 Macintosh
🖴 Macintosh HD	▲ Eject
AppleTalkSettings(e)	
PPPoptions(prot)	Desktop
PPPsetup	New 🧻
script1	
Save Connect Script as:	Cancel
Untitled	Save
Fig. 8	

Click: Save.

The script file will be saved and a connection made.

Step 5 – Implementing the login script

Once you have created and saved the login script file, subsequent dial-ups can be made more straightforward by setting your Mac to use the script file automatically. To do this:

Go to the PPP options window (as in Step 4, Fig. 5) then:

Select:

Use connect script Import Script

As in Fig. 9.





Select the folder containing the script file. Click: *OK*

Step 6 - Making a connection using the login script

To make future connections all that is required is to open the PPP control panel then:

Select:

Connect

You should hear the modem dialling and connection should be established.

Successful Connection Once a network connection has been established, you can start up your preferred program to use the World Wide Web, read email or gain terminal access to a remote machine.

Using MacOS X

Step 1

Open the Internet Connect application in the Applications folder:



Step 2

In the Internal Modem window select: *Telephone Number > Edit*

000	Internal Modem	
Configura	tion: Internal Modem	;
Service Prov	ider:	
Telephone Num Alternate Num Ni	nber ✓ No Phone Numbers Found Edit	•
Passw	vord:) u bar
These settings	can be changed in Network Preferences.	Edit)



Enter the College Dial-up telephone number by first clicking on the *Add* button then typing in the number (02078825599).

Phone Number	Description
02078825599	QMUL Dial-Up Srvice



+

Note:

Further Dial-up service provider numbers could also be added either at this stage or later on.

Click OK

Step 3:

1. Click the *Edit* Button in the Internal Modem window:

Configuration:	Internal Modem 🛟 🔺
Service Provider:	
Telephone Number:	02078825599 Main Number 🛟
Alternate Number:	
Name:	cgaa655
Password:	
	Show modem status in menu bar
These settings can be	changed in Network Preferences. Edit
Stature Idle	(Country)

Fig 4

to open the Network Configuration Window:

- 2. Select Show > Internal Modem
- 3. Select the *TCP/IP* tab

Location: Autor	natic 🛟
ihow: Internal Modem	
TCP/IP PPP	Proxies Modem
Configure: Using PPP	•
	DNS Servers (Optional)
IP Address: (Provided by PPP Server	r) 138.37.6.1
Subnet Mask:	
Router:	Search Domains (Optional)
	qmul.ac.uk
	Example: apple.com earthlink.net



- 4. Select *Configure > Using PPP*
- 5. Enter the information for the **IP Address** and the **Search Domains** fields as indicated above
- 6. Select the *PPP* tab

iei 🗖 💧 🙆		
how All Displays Sound Netwo	rk Startup Disk	
Locatio	n: Automatic	
Show: Internal Modem	•	
TCP/I	PPP Proxies Modem	
Service Provider:		(Optional)
Account Name:	ugem529	1
Password:	•••••	1
Telephone Number:	02078825599	1
Alternate Number:		(Optional)
	Save password Checking this box allows all users of access this Internet account without PPP Options	this computer to entering a password.

Enter the your Account Name and the College Dial-up Telephone Number

Note:

Account Name is NOT your actual name but a login name similar to the one indicated in the screen shot above.

It is not necessary to enter a Password at this stage

7. Click the *PPP Options* Button

PPP Options...

ssion Optio	ns:
Connect	automatically when needed
Prompt e	every 30 minutes to maintain connection
☑ Disconn	ect if idle for 10 minutes
☑ Disconn	ect when user logs out
☑ Redial if	busy
Redial	1 times
Wait	5 seconds before redialing
Terminal S	ions: cript: None
Send PP	Pecho packets
Use TCP	header compression
Connect	using a terminal window (command line)
	ose logging
_ Use verb	
	Cancel

Fig 7

Select the options as indicated above and click OK.

8. Back in the Network window (Fig 6) click the *Apply Now* Button

Apply Now

- 9. In the Internal Modem window (Step 3.1 above) click the *Connect* Button
- Connect
- 10. In the Command Line Terminal window press Enter once

000	Terminal
User Access Verification	
Username: cgaa655	
dialup-cisco>ppp default	
	Cancel Continue
	//



You will at this stage be asked to verify your details. Enter your username, press *Return* Enter your password, press *Return* Enter *ppp default*, press *Return*

Provided that all the steps above have been followed and all the required information has been entered accurately, a successful connection will be established. The bottom section of the Internal Modem window will then indicate the connection status as shown below.

0.0	Internal Modem	
Configuration:	Internal Modem	:
Service Provider:		
Telephone Number:	978825599 Main Num	ber 🛟
Alternate Number:		
Name:	ugem529	
Password:	•••••	
	Show modem status	in menu bar
These settings can be	changed in Network Prefere	nces. Edit
tatus: Connected to 13	8.37.11.254 at 33600 bps	
Send:		
Receive:		
Connect Time: 00:01:55	i	
IP Address: 138.37.1	11.12	Disconnect

To disconnect from the service click the *Disconnect* button.

Notes:

For subsequent dial-up connections just follow steps 3.9 and 3.10 in the Internal Modem window.

Steps 3.1 - 3.8 (inclusive) do NOT need to be repeated unless some of the settings need to be reconfigured.

Please also note that there is no need for a dial-up script with this operating system.

Section 3 Configuring Internet Applications

Web Browsers					
	Web browsers not only allow you to surf the Internet but also access the hundreds of news groups available. They can also be used to send and receive email in the same way as the specialised email programs.				
	Windows includes Microsoft Internet Exp other browsers such as Netscape Commu	blorer but you may install and use nicator if you prefer.			
	You might like to set the college home p browser is launched. Look for the Prefere the Home Page as:	age as the start-up page when your ences option under the menus to set			
	http://www.qmul.ac.uk/				
Email					
	When started, email programs such as Eudora or Microsoft Outlook Express will login to your mailbox at college and download any messages to your PC.				
Configuring Email Programs	You will need to enter your personal email details into the program so that it can collect and send your email correctly. How this is done will depend on the program you use. Look for configuration, preferences or settings options in the program's menus.				
	The information required to configure the available on the following Computing Ser	e recommended mail programs is vices web page:			
	http://www.css.qmul.ac.uk/mail/				
	or in printed form from Computing Serv	ices Reception.			
Note	Staff in departments that do not use the college's central mail server (for example Computer Science and Electronic Engineering) should consult departmental computer representatives for the appropriate server names.				
Troubleshooting	Assuming that you have set-up the email program correctly, problems may be related to your email registration. We recommend that you contact us as soon as possible.				
Further Assistance	If you have problems making a network connection after reading this Technote please contact:				
Fari Kiannejad	Stephen Willey	Denise Gordon			

Fari Kiannejad	Stephen Willey	Denise Gordon
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Email:	Email:	Email:
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