DIAL-UP ACCESS

to

FLINDERS UNIVERSITY
NETWORK SERVICES

New Modem Pool
Nos beginning with 8468

Dial-up Notes for Windows 95 (versions B & C) and Windows 98

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Pre-requisite knowledge and skills

Please note it is intended that users of this manual must have reasonable knowledge and understanding of the operating system of their computer and use of the Internet, as well as appropriate navigation skills for using a mouse.
INTRODUCTION

Flinders University offers dial-up access to its computer networks for academic staff and postgraduate research students. The access is via telephone lines connected to a group of modems which handle speeds up to 56,700bps.

To use this facility you will need to have your own computer, a modem and a telephone line. The dial-up lines are protected against casual or illegal use by a security system that requires you to have a username and password to gain access to the network. This is quite separate from any login account and password you may have on any other computer systems, and you will need to apply for access and establish your credentials before a username will be allocated. Application forms are available from the central computer room on the ground floor of Physical Sciences or by ringing extension 12688 and asking for one to be sent out by mail.

The modem pool supports PPP (Point-to-Point) protocol which is in common use by all Internet service providers.

After establishing a dial-up connection refer to document named - "Where to Go From Here" for further instructions.
Dial-up Notes for Windows 95 Versions B and C, and Windows 98

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This guide will show you how to get your computer on the Internet through the Flinders Modem Pool. Some of the required components for dial-up may already have been installed on your computer, and if so just skip to the relevant sections.

Note: To find out which version of Windows you are running, right click on My Computer on the desktop, and select Properties. On the top of the General tab, it tells you which operating system you are running, and the version. In the example below, the operating system is Win95, and the version is “C”.
A. **SETUP YOUR MODEM**

Make sure the modem is connected to your computer and is switched on. Windows 98 may have already been configured for your modem in which case you may skip to section B.

1. Click on Start, select Settings and then Control Panel.
2. Double click on Modems.
3. If this is the first time you have installed a modem, the Install New Modem wizard will automatically run. Otherwise, double click on the Add button.
   
   **Note:** A wizard is a program that helps you through difficult or complex tasks by presenting a series of simple questions.
4. Click on Next. Windows will check for a modem on all COM ports and attempt to identify your modem. This process will take a few seconds to complete.
5. If the modem shown is not your modem then click on Change, choose your modem manufacturer from the Manufacturers list and the model from the Models list and then click on OK. If your modem is not listed select a standard modem type.
6. Depending on whether you have given your location information to Windows 95/98 before, the Location Information window may appear. Follow the on-screen instructions and then click on Next.
7. Click on Next and then click on Finish. Click on OK.

B. **INSTALL DIAL-UP NETWORKING AND TCP/IP**

Dial-up Networking allows you to use your modem to make a network connection to Flinders, and from there to the Internet.

**Note:** You may have already installed these components when you first installed Windows. Please follow these steps to ensure that the necessary components are installed.

1. Click on Start, select Settings and then Control Panel and double click on the Add/Remove Programs icon.
2. Select the Windows Setup property tab.
3. Select Communications from the Components list and then click on Details.
4. Ensure Dial-up Networking is checked. Follow any instructions that may appear when you check or uncheck boxes. Click on OK.

   **Note:** The following steps are only required if you added components you have not previously installed. Otherwise, Dial-up Networking is installed and you can proceed to the next section.

5. Insert your Windows 98 Setup disk(s) as prompted. This process may take some time.

6. Windows may ask you for a computer and workgroup name. Any names can be used for this. For example, for Computer name enter Home Computer and for Workgroup enter Home. Click on Close.

7. Remove any disk(s) from your disk drives. Reboot your computer by clicking on Start and then Shut Down, select Restart and then click on Yes.

8. Now that Dial-up Networking is installed, you will be asked for a user name and password. Enter a user name and password if you desire, or leave them blank if you do not wish the logon window to appear again. If you need to install TCP/IP then continue on with the next section, otherwise skip straight to **Configuring a Dial-up Icon**.

**Adding the Microsoft TCP/IP option**

1. Open up the Control Panel by clicking on Start and then choosing Settings.

2. Double click on the Network icon.

3. If TCP/IP is not displayed, you will need to add it. Click on Add.

4. Select Protocol, and click Add.
5. You want to add the Microsoft TCP/IP protocol, so select it and then click on the OK button.

6. You should now have TCP/IP in the Network Control Panel.

7. Select the TCP/IP item and click on the Settings button.

8. Click on the IP Address button and ensure the Obtain an IP address automatically is selected.

9. Click on OK on this screen, then OK back on the Network Control Panel. You will probably be prompted to reboot your machine, so follow any instructions.
C. **Configuring a Dial-up Icon**

1. Double click My Computer.

2. Then double click Dial-up Networking, this will launch the Make New Connection Wizard.

3. Give your connection a name, i.e., Flinders.

4. Please select the appropriate modem from the list that you have installed, i.e., Standard Modem.
5. Type in the phone number you were given on your account sheet, also put in the area code, which for Adelaide is 08.

6. Please click Finish to complete this stage of dial-up networking.

D. Configuring Your Network Account

1. Go back into the Dial-up Networking folder, and do a right mouse button click on the newly created Flinders icon and go down to properties.

2. If you are in Adelaide, please uncheck the Use area code and dialing properties box.

3. Click Configure, in the modem box at the bottom of the window. Set the Maximum Speed to 38400 for 14.4 Modems, and to 57600 for 28.8, 33.6 and 56k Modems.
5. Click the Server Types tab. Uncheck every box except for Use software compression, and TCP/IP, as shown. Also make sure that the selection is the same under the Types of Dial-up Server heading.

6. Click TCP/IP Settings. Make sure that Server assigned IP Address is checked. Click the button next to Specify Domain Name Server. Enter 129.96.252.31 for primary and 129.96.1.21 for secondary. Leave the WINS entries blank.

7. Ensure that Use IP Header Compression, and Use default gateway on remote network, are both checked.

8. Click OK, and OK again to return you to the desktop.
F. Automatic Login


7. The computer should automatically step through the account verification, and present you with a connection screen, which you can minimise. Your dial-up networking is now ready!

Note: To disconnect from Flinders, simply double click your Flinders icon again, and select Disconnect.

Further Information

After establishing a dial-up connection see document - "Where to Go From Here".