

# Helpsheet:

## Wireless networking and DeakinSecure Macintosh 10.4 (Students)

DeakinSecure is Deakin University's wireless network. It uses:

- encryption to safeguard data transferred across the wireless network, and
- authentication to ensure only those with a valid Deakin username can access the wireless network.

Authentication occurs immediately once a connection is made to the wireless network allowing you to use Deakin's network resources (such as connecting to your home directory or shared work areas, or access the Internet) without additional steps.

To find out more about wireless networking and DeakinSecure see the *Wireless Networking @ Deakin - Macintosh* user guide available from <[www.deakin.edu.au/its/publications/](http://www.deakin.edu.au/its/publications/)>.

### What do you need to use DeakinSecure?

To connect to DeakinSecure your computer must have:

- Mac OS X 10.4 or Mac OS X 10.5 and above
- an AirPort Extreme card
- Airport 5.3.2 software You can download AirPort from <[www.apple.com/support/downloads/](http://www.apple.com/support/downloads/)>
- Administrator access to your Macintosh to set DeakinSecure up for the first time.

### How do you use DeakinSecure?

1. Complete the steps in the *Configuring a wireless connection for DeakinSecure* section on the reverse of this helpsheet (needed for first time use only).
2. Select **DeakinSecure** from the AirPort menu when your laptop is within range of DeakinSecure.



### Changing your web browser settings

Once you have connected to DeakinSecure you will need to change your web browser settings so they work within the Deakin network environment. See the *Configuring Firefox for Deakin Use* helpsheet for your operating system available from the ITSD Publications website at [www.deakin.edu.au/its/publications/](http://www.deakin.edu.au/its/publications/). There are also versions for Internet Explorer and Safari.

### How to disconnect from DeakinSecure

1. To disconnect from DeakinSecure, click on Turn AirPort Off in your AirPort icon (located in the top menu bar).
2. Change your web browser settings back to your original settings. (If you don't do this, your browser might not work when you use your own internet service).

### Need further help?

The ITSD Publications website located at <[www.deakin.edu.au/its/publications/](http://www.deakin.edu.au/its/publications/)> contains a range of publications. Or go to the Wireless website at <[www.deakin.edu.au/its/wireless/](http://www.deakin.edu.au/its/wireless/)> or call the IT Service Desk on ext. 72400.

## Configuring a wireless connection for DeakinSecure

You need Administrator access to set up wireless access (the first account that was created on your computer generally has administrator privileges).

1. Click on the AirPort icon located at the top right hand corner of the menu bar and select **Open Internet Connect...**
2. Click on **802.1X**.  
Note that if the 802.1X icon is not present in the AirPort window, click **File**, then click **New 802.1X Connection** available in the Internet Connect menu.
3. Select **Edit Configurations** from the Configuration drop down box in the 802.1X window.
4. Enter your `username` (should be `username@deakin.edu.au`) and `password`.  
  
Select **DeakinSecure** from the **Wireless Network** drop down box, and under **Authentication** check TTLS, PEAP, LEAP, MD5 protocol boxes.
5. Select **TTLS** and click on the **Configure** button.
6. Select **MSCHAPv2** from TTLS **Inner Authentication** drop down box and type `anonymous` in the **Outer Identity** box.  
  
Click **OK**.
7. **Select PEAP** and click **Configure**.
8. Type `anonymous` in **Outer Identity** and click **OK** in the PEAP window.
9. Click **OK** in the Edit 802.1X Configuration window.
10. Click **Connect** in the 802.1X window.
11. The first time you configure your computer for DeakinSecure, you need to verify the certificate.  
  
Click on **Show Certificate** at the **Verify Certificate** window.
12. Tick the **Always trust these certificates** check box and click **Continue**.  
You will be required to perform this step only once.
13. You are now connected to DeakinSecure. The connection status is also displayed in the 802.1X window.
14. Change the settings on your web browser. See the *Configuring Firefox for Deakin use* helpsheet on the ITSD Publications website at [www.deakin.edu.au/its/publications/](http://www.deakin.edu.au/its/publications/) for help with this. There are also helpsheets for Safari and Internet Explorer located here.

## Adding a New Location

1. Click on the **System Preferences** icon in the Dock and then click on the **Network** icon.
2. In the Location drop-down box, select **Edit Locations...**
3. Select an existing location name (most likely named 'Automatic') then click on the **Duplicate** button.
4. Type in `Deakin University 2008` as the name for the location and click on the **Done** button
5. In the **Location** drop-down box, select `Deakin University 2008` and then in the **Show** drop-down box select **AirPort**.

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6. Select the **Proxies** tab and in the **Configure Proxies:** drop-down box, select **Using a PAC file**.
7. In the **PAC File URL:** box type in `http://proxy.deakin.edu.au`.
8. Click on the **Apply Now** button.

Note: To change between the different locations, click on the **Apple** icon in the top left hand corner of the menu bar, and then select **Location**, and then select the location that you want to use from the sub-menu (the active location is ticked).