

Helpsheet:

Wireless networking DeakinSecure (Windows XP) Students

DeakinSecure is the primary wireless network at Deakin University. 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.

DeakinSecure does not require a VPN connection. Authentication occurs immediately 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 to access the Internet) without additional steps.

To find out more about wireless networking and DeakinSecure see the *Wireless networking @ Deakin (Windows XP)* user guide available from <www.deakin.edu.au/its/publications>.

What do you need to use DeakinSecure?

To connect to DeakinSecure your computer must have:

- Windows XP Professional with Service Pack 2
- the WPA2 (Wi-Fi Protected Access 2) update for Windows XP from Microsoft, downloadable from the *Operating system updates* section of the Deakin software library at <www.deakin.edu.au/software>
- a wireless card that supports IEEE 802.11b or g standards

Some laptops may require an update to the wireless driver. You may need to contact the vendor to find out the compatibility of your wireless card with 802.11 standards or refer to the wireless card manufacturer's website.

How do you use DeakinSecure?

Once you have completed the steps in the *Configuring a wireless connection for DeakinSecure* section your laptop will automatically connect when it is in range of DeakinSecure and the networking device is active. You will be prompted to enter your Deakin username and password.

Configuring a wireless connection for DeakinSecure

More detailed information is available in the *Wireless Networking @ Deakin (Windows)* user guide.

1. Double-click on the **wireless icon** located at the bottom right hand corner of your screen.
2. If the wireless icon is not displayed, click on the **Start** menu, select **Connect To** and click on **Wireless Network Connection**.
3. Click on **View Wireless Networks**.
4. Click on **Change advanced settings** in the **Choose a Wireless Network** window.
5. Click **OK** if the privileges message box displays.
6. Click on the **Wireless Networks** tab.
7. Click **Add**.

8. Click on the **Association** tab in the **Wireless network properties** window.
Type `DeakinSecure` in the **Network name (SSID)** box.
Select **WPA2** from the **Network Authentication** drop down box and select **AES** from the **Data Encryption** drop down box.
OR
If WPA2 is not available for selection in the **Network Authentication** drop down box, select **WPA** then select **AES** from the **Data Encryption** box.
9. Click on the **Authentication** tab and select **Protected EAP (PEAP)** in the **EAP type** drop down box. Click the **Properties** button.
10. Make sure the **Connect to these Servers** box is unticked, and click **Configure**.
11. Uncheck the **Automatically use my Windows logon name and password ...** box. Click **OK**.
12. Click **OK** in the **Wireless network properties** window.
13. DeakinSecure is now available in **Preferred networks**. Click **OK**.
14. Click on the wireless icon in the system tray when the **Wireless Network Connection** DeakinSecure balloon message is displayed.
15. Select **OK** on the **Validate server certificate** window
16. Wait for a few seconds and your laptop will connect to DeakinSecure Wireless Network.
A pop-up message indicating the status of connection also displays above the system tray. You may be asked to enter your credentials, If so, you should **enter your full username** (as `username@deakin.edu.au`), password and the Login domain `DU`.
Note: If your logon fails, check that you have entered your username with the **@deakin.edu.au** after it.
17. If this message doesn't display, or if DeakinSecure Wireless is not connected, perform steps 1 and 2. Then select DeakinSecure from the **Choose a wireless network** window and click on **connect**.
18. DeakinSecure is connected.

Adjusting your web browser settings

When connected to DeakinSecure you are then 'included' in the Deakin network. You need to adjust your web browser settings for use from within the Deakin network.

You will not be able to get to external websites and use the internet via DeakinSecure until your web browser settings are adjusted.

Also note that once you have finished working via DeakinSecure, you will have to reset your web browser settings back to what they were.

See the *Configuring Firefox for Deakin use* helpsheet available from the ITSD Publications website located at www.deakin.edu.au/its/publications to find out what settings to change when working with DeakinSecure.

There is also a *Configuring Internet Explorer for Deakin use* helpsheet available.

Need help?

See the Wireless website at <www.deakin.edu.au/its/wireless>.

Go to the ITSD Publications website located at <www.deakin.edu.au/itsd/publications/> for the latest version of this and other ITSD-published guides and helpsheets.

Check out the Atomic Learning online tutorials at <www.atomiclearning.co.uk/> for assistance with a wide range of software applications.

There is no internet charge for accessing Atomic Learning from a Deakin network location, and you can also access Atomic Learning from home, using the username and password available from the *Deakin Software Library* at www.deakin.edu.au/software/

Contact the IT Service Desk on ext. 72400 for assistance.