

Fact Sheet

AirUWS Wireless Network – detailed notes for Vista (32 bit version)

This fact sheet covers connecting to AirUWS with Microsoft Windows Vista (32 bit version). 64 bit versions of Vista are unsupported by AirUWS.

This fact sheet was prepared using Windows Vista Enterprise, SP1. Updates to this fact sheet, and more information, will be available at <http://www.uws.edu.au/wireless>.

AirUWS is available at no extra charge at key locations on each campus, including teaching spaces and other areas where students congregate. Coverage maps can be found at <http://www.uws.edu.au/wireless>. AirUWS is not available off campus.



**The IT Acceptable Use of Resources Policy
and other relevant policies apply.**

You'll find that there is more than one way to achieve the same result in Windows. This fact sheet does not attempt to address alternatives. It is assumed that readers will have a basic understanding of using and navigating Windows Vista.

Preparation:

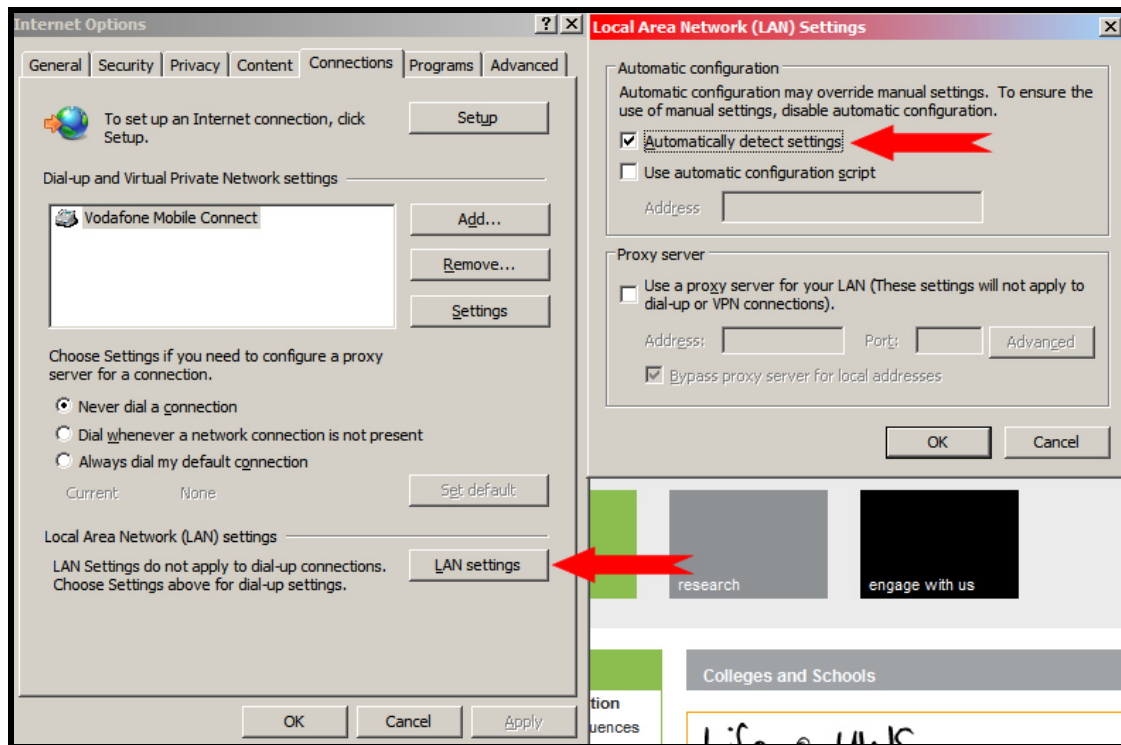
You – If you haven't already done so, activate your MyUWSAccount at <https://myuwsaccount.uws.edu.au/>. You'll need administrative user rights on your laptop to install the required software. Almost all regular users of UWS standard laptops will have sufficient rights.

Your laptop – Visit <http://www.uws.edu.au/wireless> to confirm your laptop meets the minimum specifications.

Your web browser – To access the internet via AirUWS, your browser must use our proxy server. UWS standard laptops come with the correct settings; however, users of other laptops will need to ensure their browser's LAN settings are configured to **automatically detect settings**. For non-UWS use, you may need to change this setting to that recommended by your Internet Services Provider (ISP).

- Open Internet Explorer's Tools menu → Internet Options → Connections tab → LAN settings... → ensure **Automatically detect settings** is the only option ticked → click OK.

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IE 8's proxy settings (IE 7 is almost identical)

Reusing windows when launching a shortcut (eg, clicking a link in email) means you run the risk of accidentally leaving the portal page and being disconnected. This setting works on or off campus.

- Open IE's Tools menu → Internet Options → Advanced tab → scroll to Browser settings → **untick** Reuse windows for launching shortcuts → click OK.

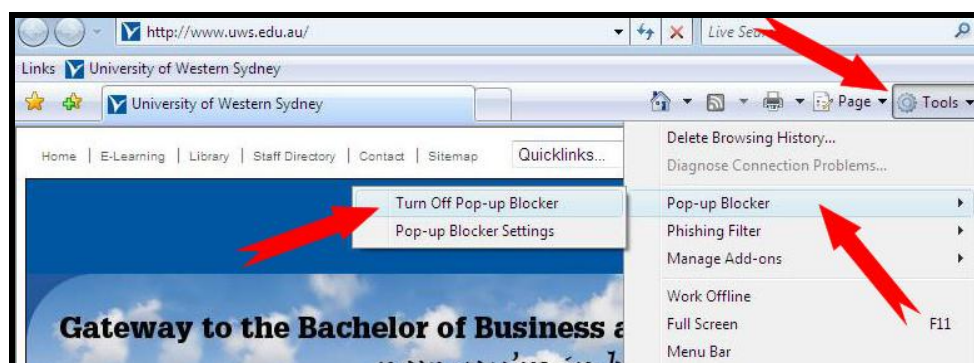
You'll also need to **turn off your browser's pop-up blocker** or ensure that pop-ups from *.uws.edu.au are allowed.

- Open IE's Tools menu → Pop-up Blocker → Click **Turn Off Pop-up Blocker**

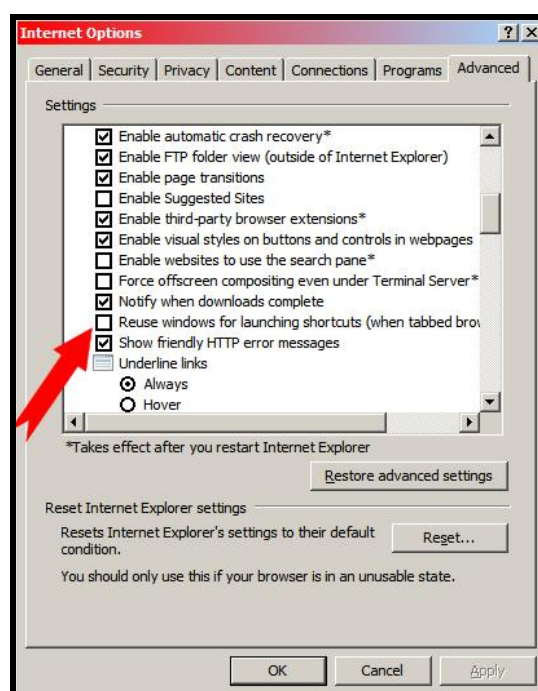
To reverse this action for non-UWS web access:

- Open IE's Tools menu → Pop-up Blocker → Click **Turn On Pop-up Blocker**

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Turn off Pop-up Blocker

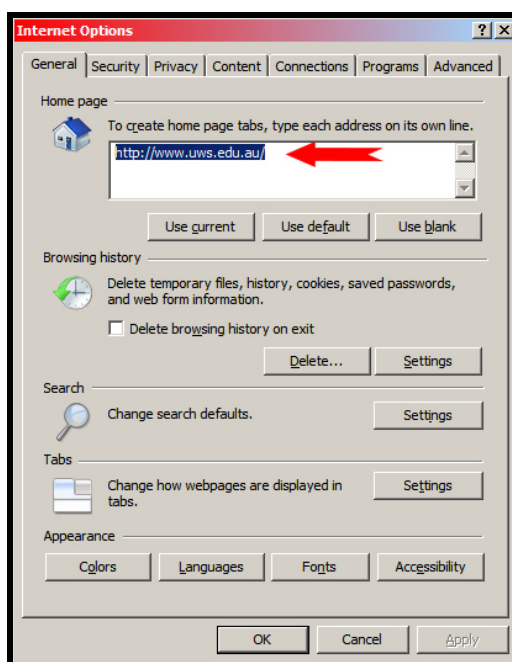


Make certain *Reuse windows for launching shortcuts* **isn't** ticked

Sometimes Internet Explorer won't start with the AirUWS login screen. This may happen if you have a blank or complex home page address (URL), or your home page is stored in the browser's cache. If you have problems opening the login screen, try clearing the cache by holding down your Shift key while pressing F5. If that fails, try setting your home page to <http://www.uws.edu.au>. If the login page opens, these steps can be ignored.

- Open IE's Tools menu → Internet options → General tab → Home page → enter the new home page details → click OK.

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Set your home page here

Connecting:

Ensure your wireless hardware is turned on. Refer to your laptop's user manual.



Click the *Connect To* button

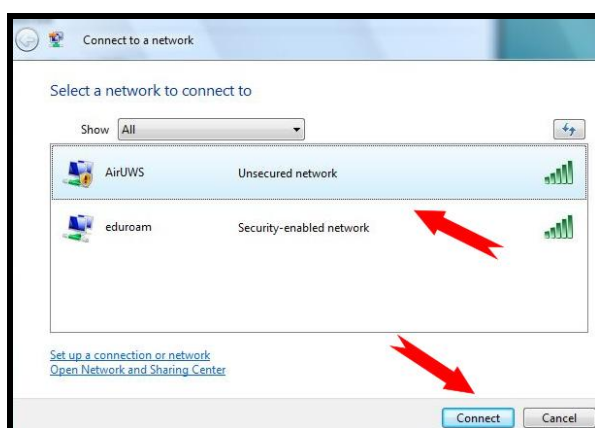
To connect your laptop to AirUWS, click the **Connect To** button in Vista's start menu. The next window displays available wireless networks.

You may find more than one wireless network available – select **AirUWS** and press **Connect**. Choose **Connect Anyway** when the unsecured network warning appears.

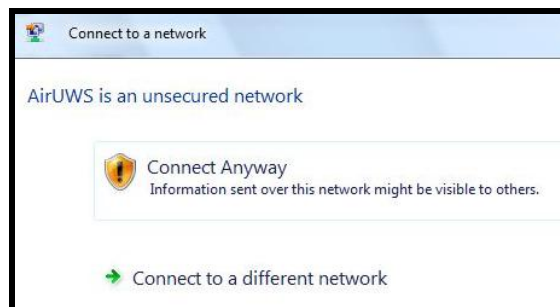
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If both AirUWS and AIRUWS are available, choose the one with the strongest signal

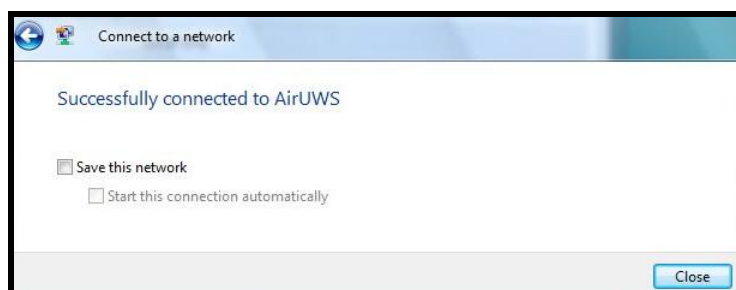


Select *AirUWS* and click *Connect*



Choose *Connect Anyway*

Wait for the process to show you're connected. This should take under 30 seconds.

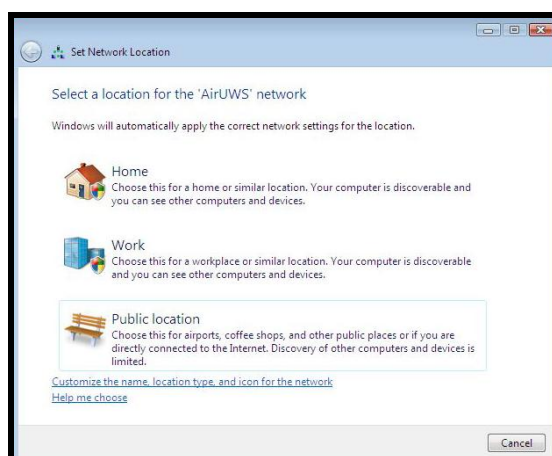


Your hardware is now connected

Your hardware is connected. Click **Close** before logging in.

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If asked, *Set Network Location* for AirUWS, to set Windows firewall settings. Public is the most secure, but UWS laptops cannot connect to network shares unless Work is selected. Network settings can be changed later.



Select a network location

Authenticate (log in)

Open Internet Explorer. You should be automatically redirected to the login portal, where you'll enter your MyUWSAccount details.

The AirUWS login screen

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After logging in, Internet Explorer will download and launch TunnelGuard, which checks your laptop meets the minimum specifications. If TunnelGuard doesn't start, you probably need to install Java Runtime Environment (JRE) 1.4.2 or higher (1.6 or later recommended).

Download and install the version linked in the body of the text on the AirUWS login screen (login NOT required). TunnelGuard should work next time you attempt to connect to AirUWS. Alternatively, use a networked computer to visit <http://www.java.com> and download the software to a USB drive for installation on your computer.

Known Java issue

IT staff have discovered an **issue with Java update 18**. Changes to improve security made in this release cause a warning that "The publisher cannot be verified by a trusted source". Although a button to dismiss the warning is provided, the warning stays on the screen, and you will not be able to login to AirUWS.

Workaround: To get past this problem, you will need to make changes to your Java and Internet Explorer settings. These changes could be considered a security risk, and should be reversed when you use your computer outside of AirUWS.

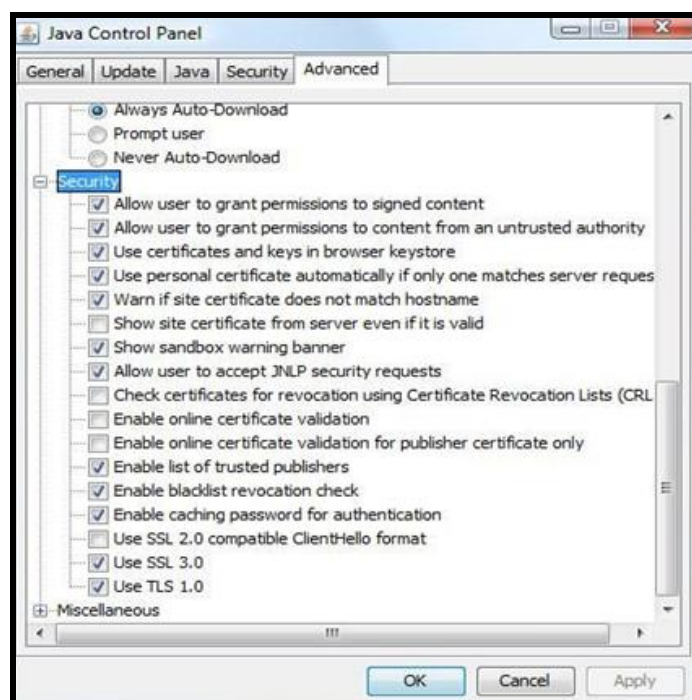


Changing these settings is a security risk! Reverse changes when not using AirUWS.

Java: Open Windows Control Panel. Double click the **Java icon** to open the Java Control Panel. Choose the **Advanced** tab, and expand **Security**.

Untick any option related to certificate validation and revocation.

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Untick any option related to certificate validation and revocation.

Internet Explorer: From IE's Tools menu, choose Internet Options → **Advanced** tab. Scroll down to the **Security** section. Untick any option related to certificate validation and revocation.

After installing Java or changing the settings, restart your machine. TunnelGuard should now work when you attempt to connect to AirUWS.

If TunnelGuard finds your laptop doesn't comply with the minimum specifications, it will stop the connection process.



TunnelGuard has found this laptop meets AirUWS specifications

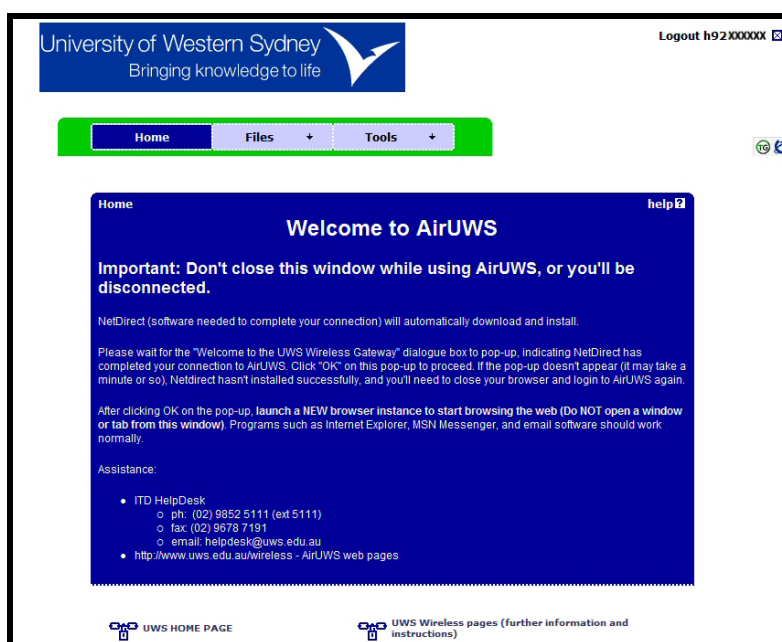
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If your laptop complies, the portal window will open and NetDirect (Nortel Networks Virtual Private Network (VPN) client) will automatically download and run. This software establishes your wireless connection to the internet and intranet. A window will appear asking if you want to install the device software. Choose **Install**. If you tick the box **Always trust software from Nortel Networks**, this message should not appear next time you connect to AirUWS. However, users should be aware that “always trusting” is a potential security risk.



Choose *Install*

After installation, the AirUWS portal will open.

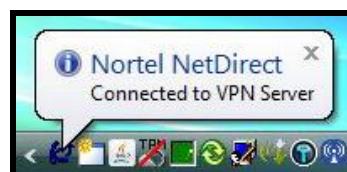
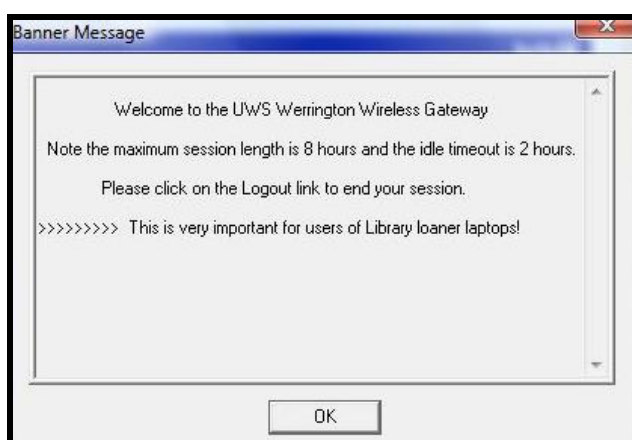


The AirUWS portal screen – *don't close this window!*

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You'll also see a banner message welcoming you to the campus Wireless Gateway. You must wait for this message before going further (it may take a minute or so). Press OK. Now you're fully connected to AirUWS.

Note: If you don't see the banner message, you haven't connected – close Internet Explorer and start the authentication process again.



Click OK on the welcome message. A Nortel NetDirect icon and bubble notification will also appear in your system tray

For security reasons, each time you connect you'll go through the authentication, download and installation process.

I'm connected – what can I do?



Don't close the AirUWS portal window, or you'll be disconnected!

Open a new instance of your browser to surf the web. Opening a new instance means that you'll need to click the icon used to launch the browser program again – don't just open a new window or a new tab. Web based programs such as Internet Explorer and MSN Messenger should work normally.

As in the general purpose computer labs, all users of AirUWS are required to authenticate again, when they try to access external websites. Enter your MyUWSAccount details when the login box appears, and press OK to continue. You may be asked to authenticate more than once.

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Authenticate with your MyUWSAccount details

Note: Use your ISP's web email portal to access your home email account. UWS cannot provide assistance with access to non UWS email.

Privately owned computers are **not** able to connect to network shares, synchronise off-line files or print, but will have internet access. If you need to print from a privately owned laptop, we recommend saving your work to a USB drive, which you can take to an on campus computer lab to print as you normally do in the labs.

How do I log off?



Save your work before logging off!

Users of UWS standard computers should save their work, manually synchronise their files, close open programs (other than the AirUWS portal page), and use the logoff link on the portal page.

Users of privately owned computers should save their work, close open programs (other than the AirUWS portal page), and use the logoff link on the portal page.



Always log off using the Logout link on the portal page.

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Help

In the first instance, contact the IT Support Officers located at the general purpose computer labs. Users can also contact the ITS Service Desk for support.

ITS Service Desk

Phone: 02 9852 5111 (ext 5111)

Email: servicedesk@uws.edu.au

Tips:

Save often. Wireless is less reliable than wired networks, and you could lose your data if your network connection is lost. Save often to minimise the risk.



In most Windows applications, simultaneously pressing the ctrl and s keys is a fast way to save the current document

Don't try and connect wirelessly while still running a wired connection – the laptop may get confused about which connection to use.

You may need to grant exemptions in your firewall for TunnelGuard and NetDirect.

Inactivity timeouts apply. Users are automatically logged off after lengthy inactivity.

Known Issues:

In addition to the Java problem mentioned earlier, Vista may fail compliance tests, even with an accepted Antivirus product.

Vista comes with a security feature called User Account Control (UAC). When UAC is turned on, TunnelGuard is unable to detect your Antivirus product, so compliance fails. A work around is to turn UAC off, but doing so is against Microsoft's recommendations.



Turning off Vista's User Account Control is a security risk!

To turn off User Account Control, open the Windows control panel.

Click on the Classic View option to switch the Control Panel to classic view → Double click on *User Accounts* → Remove the tick to turn off User Account Control (UAC) → Restart the computer → Retry the login process.

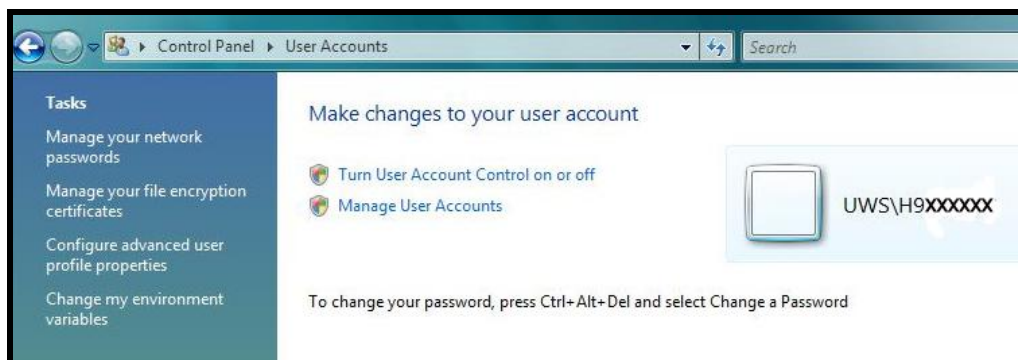
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Click on *Classic View* option to change the control panel to classic view.



Double click on *User Accounts*.

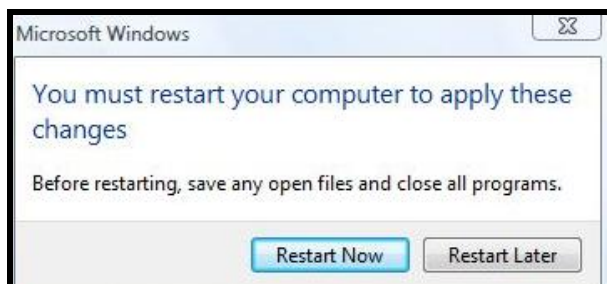


Click *Turn User Account Control on or off*



Untick *Use User Account Control (UAC) to help protect your computer*, and click **OK**.

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Restart to apply the changes

Reverse the above procedure to restart UAC for normal use.

Network drivers

When AirUWS was released in 2007, there were a number of problems related to the compatibility of Microsoft Vista network drivers and the AirUWS wireless implementation. These problems appear to have been resolved with later versions of Vista and drivers. If you have an older Vista machine, you may find you need to update your network drivers to maintain a reliable connection. Drivers are usually available at the computer manufacturer's web site.