Wireless Connection - Windows 7

You can use this guide to manually configure a Windows 7 PC or laptop to connect to the wireless services eduroam.

- An automatic configuration tool SecureW2 is available online, try this first!

Usernames for connecting to wireless must include the @abdn.ac.uk part. Your username (eg u99jb19) would look like u99jb19@abdn.ac.uk when configuring wireless. Be aware that using SecureW2 more than once will override previous settings.

Which service should I use?

eduroam

- eduroam is the recommended default wireless service for all staff and students. It provides staff and students with authenticated access to the University of Aberdeen’s wireless network. It also permits access to wireless networks at other participating institutions. All that is required is a University of Aberdeen username and password.

- visitors from participating institutions (see www.eduroam.org) can access the University of Aberdeen wireless network using credentials provided by their home organisation.

Note: When connecting, you will also see the uoa-corporate service. This is not available for general access. In some campus locations you may also see Aberdeen-city-connect, which is an unencrypted public wi-fi service for casual visitors.

Before you start, check the following:

- You have a current University of Aberdeen username and password, or a username and password for a participating eduroam institution.
- You are running Windows 7.
- You have administrator rights on your laptop or PC.
- You have up-to-date anti-virus software and up-to-date wireless adapter drivers.

Note: When connecting to our wired services, you are bound by Conditions for using IT Facilities, available online for students and staff.
Step 1: Set up connection

1. Click once on the **Wireless icon** on the bottom right of the screen.
   - Select **Open Network and Sharing Center** from the pop-up window.
   - Click **Manage wireless networks** on the left of the window.
   - Click **Add**, then click **Manually create a network profile**.

2. The **Manually connect to a wireless network** window opens.
   - **Network name**: type **eduroam**.
     This is case sensitive and must appear in **lower case** i.e. eduroam.
   - **Security type**: **WPA2-Enterprise**
   - **Encryption type**: **AES**
   - Ensure the **Start this connection automatically** checkbox is **ticked**
   - Click on the **Next** button

3. Click **Change connection settings**.

4. The eduroam **Wireless Network properties** dialog opens. Ensure that:
   - The **Connect automatically when this network is in range** checkbox is **ticked**
   - The other checkboxes should be **unticked**
Step 2: Security and authentication

1. Click the Security tab at the top of the eduroam Wireless Network properties dialog. Ensure:
   - Security type: WPA2-Enterprise
   - Encryption type: AES
   - Choose a network authentication method: Microsoft Protected EAP (PEAP)
   - The Remember my credentials for this connection... checkbox is ticked
   - Click on the Settings... button

2. The Protected EAP Properties dialog opens. Under When connecting, ensure:
   - Validate server certificate is ticked
   - Connect to these servers is ticked and type radius.abdn.ac.uk in the box below
   - Under Trusted Root Certification Authorities, tick the checkbox against any entries for GlobalSign
   - Do not prompt user to authorize new servers or trusted certification authorities is ticked

3. Under Select Authentication Method:
   - Ensure Secured password (EAP-MSCHAP v2) is selected
   - Untick the Enable Fast Reconnect checkbox and leave the remaining three checkboxes unticked
   - Click on the Configure... button

4. The EAP MSCHAPv2 Properties dialog opens.
   - Untick the Automatically use my Windows logon name and password (and domain if any) checkbox
   - Click OK
   - Click OK again to return to the eduroam Wireless network properties dialog
Step 3: Advanced settings

1. Click **Advanced** settings. The **Advanced settings** dialog opens.
   - Tick the **Specify authentication mode** checkbox
   - Select **User authentication** from the drop-down menu

2. Click **Save credentials**.

3. The **Save Credentials** dialog opens.
   - Enter your **Username**: `yourusername@abdn.ac.uk`
   - **Password**: your usual University password
   - Click **OK**
   - Click on **OK** to return to the eduroam Wireless network properties dialog
   - Click **OK** and **Close**

Step 4: Connect to eduroam

After a few seconds you will be connected to **eduroam**. This may take up to 30 seconds depending on network traffic.

- During this time, the **Wireless icon** will display an blue circle.
- Once connected, the icon will change to display solid white bars; these indicate the signal strength at your current location.

You will stay connected while you remain in range of the wireless network. If you wish to disconnect, or connect to a different network, click the **Wireless** icon on the right of the screen and disconnect from your current network, then select a different network and click **Connect**.

Troubleshooting

- Check that you have entered the correct username and password.
- Ensure you follow all the instructions in this guide.

Further information and help

Contact the Service Desk: [https://myit.abdn.ac.uk](https://myit.abdn.ac.uk)

More information is available online at [www.abdn.ac.uk/wireless](http://www.abdn.ac.uk/wireless)