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 and ResNet.

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

![Tip]

Usernames for connecting to wireless must include the @abdn.ac.uk part. Your username (eg u01abc9) would look like u01abc9@abdn.ac.uk when configuring wireless. Be aware that using Xpress Connect more than once (eg eduroam and ResNet) 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.ac.uk) can access the University of Aberdeen wireless network using credentials provided by their home organisation.

ResNet

- ResNet can be used by students who are resident in University Halls (Hillhead, Crombie Johnston, Elphinston Road) when on site at these locations. It provides students with a room-level service in University of Aberdeen Halls of Residence. This is an extended service geared towards social use. When on campus, use eduroam.

Note: When connecting, you will also see the uoa-corporate service. This is not available for general access.

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 (or resnet).
     This is case sensitive and must appear in lower case e.g. eduroam or resnet.
   - 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 or ResNet
After a few seconds you will be connected to eduroam (or ResNet). 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.

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
More information is available online at www.abdn.ac.uk/wireless