Configuring a wireless connection: Windows 7 – eduroam & ResNet
IT Services Documentation Team. March 2014 (Updated August 2015).

Use this fact sheet to manually configure a Windows 7 PC or laptop to connect to the wireless services eduroam or ResNet.

An automatic configuration tool XpressConnect is also available via our wireless pages www.abdn.ac.uk/wireless (you should try this first).

About the service

eduroam

- eduroam 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 provides students with a room-level service in University of Aberdeen Halls of Residence. This is an extended service geared towards social use.

Which service should I use?

- eduroam is the recommended default wireless service for all staff and students.
- ResNet can be used by students who are resident in University Halls (Hillhead, Crombie Johnston, Elphinstone Road) when on site at these locations. When on campus, use eduroam.

Before you start

Before you connect to any of our wireless services, we recommend you check the following:

- You have a current University of Aberdeen username and password.
- 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.

When connecting to our wireless services, you are bound by our Conditions for using IT Facilities.

Trouble connecting to eduroam or ResNet?

1. Check that you have entered the correct username and password.
2. Ensure you follow all the instructions on this fact sheet.

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

2 IT policies are published on the IT Services web pages www.abdn.ac.uk/it/student/get-started/policies and in the Policy Zone on StaffNet – see www.abdn.ac.uk/staffnet/governance/
Step 1: Connecting to the wireless network manually

If XpressConnect is unsuccessful, you may need to connect to the wireless manually.

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

6. 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.

7. Click on **Change connection settings**.

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

9. Click on 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.
10. Click on the Settings... button.

11. The Protected EAP Properties dialog opens.
   Under When connecting, ensure:
   • The Validate server certificate checkbox is ticked.
   • The Connect to these servers checkbox 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.
   • The Do not prompt user to authorize new servers or trusted certification authorities checkbox is ticked.
   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.

12. Click on the Configure... button.

13. 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.

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

15. Click on Save credentials.

16. The Save Credentials dialog opens.
   • Enter your Username: yourusername@abdn.ac.uk
     Your username is what you use to login to University networked PCs (e.g. classroom or office desktop PCs). It is not your email address. You must append @abdn.ac.uk to your username, e.g. abc123 becomes abc123@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**.

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 animated 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 once on the **Wireless** icon on the right of the screen and disconnect from your current network, then select a different network and click on **Connect**.

**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)