Configuring a wireless connection:
Mac OS X 10.7+ - eduroam and ResNet
IT Services Documentation Team. Updated August 2015.

Use this fact sheet to **manually** configure an **OS X 10.7+ Mac or Macbook** to connect to the wireless services **eduroam** and **ResNet**.

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

Please note, the minimum supported Mac OS for XpressConnect is **10.7**.

Usernames for connecting to wireless must include the @abdn.ac.uk part. Your username (e.g. u01abc9) would look like u01abc9@abdn.ac.uk when configuring for wireless. Be aware that using Xpress Connect more than once e.g. eduroam and ResNet, will override previous settings.

### 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](http://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**.

Once you have configured your laptop, you can move between the two services; see page 2.

### 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**, or a username and password for a participating eduroam institution.
- You have a **Mac** or **Macbook** with **OS X 7 or above**, with a built-in **wireless card** and version 4.2 of the Wi-Fi software utility.
- You have up-to-date **anti-virus** software.

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

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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](http://www.abdn.ac.uk/it/student/get-started/policies) and in the Policy Zone on StaffNet – see [www.abdn.ac.uk/staffnet/governance](http://www.abdn.ac.uk/staffnet/governance)
Step 1: Enable the wireless card and open Network Preferences

1. Turn the WiFi wireless card on, if it is not already enabled:
   - Go to the Wi-Fi menu at the top right of your screen (the icon looks like a piece of pie) and select Turn Wi-Fi On.

The next time you access the Wi-Fi menu, you should be able to see the University’s wireless networks, along with any other wireless networks you regularly use.

Step 2: Configure and Connect to eduroam

1. Go to the Wi-Fi menu at the top right of your screen and select eduroam from the list of networks.

2. A window will pop up requesting your credentials.
   Enter the following information:
   - **User Name**: your username in the format `username@abdn.ac.uk` (e.g. abc123@abdn.ac.uk).
   - **Password**: enter your University password.
   - Ensure that the Remember this network checkbox is ticked.

3. Click Join.

4. The first time that you connect, you may be presented with the Verify Certificate dialog. If so click Show Certificate.
   - Tick the Always trust “radius.abdn.ac.uk” checkbox, and click Continue.
   - You may be prompted to enter your Mac password to confirm this action. You should not need to perform this step again.

5. Now when you click the Wi-Fi menu eduroam will be ticked indicating that you are connected to eduroam.

Step 3: Configure and connect to ResNet, if required

1. Go to the Wi-Fi menu at the top right of your screen and select resnet from the available networks.

2. A window will pop up requesting your credentials. Enter the following information:
   - **User Name**: your username in the format `username@abdn.ac.uk` (e.g. com083@abdn.ac.uk or u01abc9@abdn.ac.uk).
   - **Password**: enter your University password.
   - Ensure that the Remember this network checkbox is ticked.
   - Click Join.

3. When you click the Wi-Fi menu, resnet will be ticked indicating that you are connected to resnet.

Moving between wireless networks

You can switch between the University’s wireless networks easily by selecting the desired network from the Wi-Fi menu. Provided you have configured each network separately as above, you won’t need to enter your username and password again.

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.

For further information and help, contact the Service Desk: https://myit.abdn.ac.uk
More information is available online at www.abdn.ac.uk/wireless