You can use this guide to manually configure a **Windows 10 PC or laptop** to connect to the wired ResNet service or wired eduroam service at the University of Aberdeen.

- An automatic configuration tool XpressConnect is available [online](#), try this first!

**Note:** Other devices (games consoles, wireless printers, smart TVs etc) will not work, due to the lack of appropriate security features required by eduroam and ResNet.

### Which services are available?

#### Wired eduroam

- Wired eduroam offers the same service as wireless eduroam, but on a wired connection.
- Wired eduroam is available at assigned desks (with an eduroam sticker) in the [Sir Duncan Rice Library](#).

#### Wired ResNet

- Where available, wired ResNet provides students with a room-level service in University of Aberdeen halls of residence. This is an extended service geared towards social use. Plugging a Playstation/Xbox console or VOIP phones directly into the wall socket does not work.
- Wired ResNet is currently only available by request at Grant Court, New Carnegie Court, Fyfe, Wavel, Adam Smith and Hector Boece at Hillhead Halls.
- To request a wired connection to Resnet from your room in Halls:
  - log into [https://myit.abdn.ac.uk](https://myit.abdn.ac.uk)
  - click on the Wired Resnet link, at the bottom of the Log a call menu on the left of the screen
  - complete the [online request form](#)

  **Note:** Requests can take up to 10 working days to be completed.

### Before you start, check the following:

- You have a current University of Aberdeen **username** and **password**.
- You are running **Windows 10**.
- You have **administrator rights** on your laptop or PC.
- You have up-to-date **anti-virus** software.
- You have built-in **Ethernet port** capability or have purchased and installed an **Ethernet adapter**. The adapter will need to be able to support 802.1x authentication. If your adapter is a few years old, you may need to check the manufacturer’s website and download more recent drivers for your adapter.
- You have an Ethernet cable for connecting to the wall socket.

**Note:** When connecting to our wired services, you are bound by [Conditions for using IT Facilities](#), available online for **students** and **staff**.
Step 1: Enable the required windows service

1. Right-click the **Start** button and then click **Control Panel**.
2. Click **Administrative Tools**, then double-click **Services**.
3. Scroll down until you reach **Wired Autoconfig** and then double-click it.
   - If you are prompted by **Windows Security**, click **Continue**.
4. Click **Startup Type** and select **Automatic**.

   ![Service Settings](image)

5. Click **Start** and then click **OK**.

6. Close the **Services** window, then close the **Administrative Tools** window.

Step 2: Open the Manage Network Connections window

1. Right-click the **Start** button and click **Control Panel**.
2. Click **Network and Sharing Center**, then **Change adapter settings**.
3. Right-click **Ethernet** and then select **Properties**.

   ![Ethernet Properties](image)
   
   – If you are prompted by **Windows Security**, click **Continue**.
Step 3: Local Area Connection Properties Window

1. Click the Authentication tab.
   - Tick Enable IEEE 802.1X authentication.
   - Select Microsoft: Protected EAP (PEAP) from the network authentication drop-down list.
   - Tick Remember my credentials for this connection each time I’m logged on.
   - Ensure that Failback to unauthorized network access is un-ticked.

2. Click Settings (next to Choose a network authentication method) to move to the next section.

Step 4: Protected EAP Properties & Certificates Settings

1. Under Protected EAP Properties:
   - Tick Verify the server’s identity by validating the certificate.
   - Tick Connect to these servers and type radius.abdn.ac.uk in the box below.
   - Under Trusted Root Certification Authorities, tick the checkbox against any entries for GlobalSign.
   - Under Notifications before connecting, select Don’t ask user to authorize new servers or trusted CAs.
   - Select Secured password (EAP-MSCHAP v2).
   - Untick Enable Fast Reconnect and leave the remaining three checkboxes unticked.
   - Click Configure...

2. Under EAP MSCHAPv2 Properties:
   - Un-tick Automatically use my Windows logon name and password (and domain if any).
   - Click OK.

3. Click Additional Settings.
Step 5: Advanced settings

1. Under Advanced settings:
   - Tick Specify authentication mode.
   - Select User authentication from the drop down list.
   - Click Save credentials.
   - Enter your username in the form yourusername@abdn.ac.uk then use your usual University password.
   - Untick Enable single sign on for this network.
   - Click OK.

2. Click OK, then OK again.

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

You will then be connected. This may take up to 30 seconds depending on network traffic. You will stay connected while you remain in plugged into the wall socket. If you wish to disconnect, just unplug the machine from the socket.

You will only need to log on with your username@abdn.ac.uk and password and to verify the certificate the first time you connect to either eduroam or ResNet. Thereafter, Windows will remember your password, and you can connect automatically.

Troubleshooting

- Check that the network cable is properly plugged into the wall socket and the other end of your machines Ethernet port.
- 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