Follow the instructions below to set up your WiFi connection manually – or use the setup tool at www.kent.ac.uk/wireless

### Android WiFi settings

Your Android device may vary slightly from these instructions.

1. Find **WiFi settings** and turn WiFi on. From the home screen tap **Applications**, **Settings**, **Wireless and Networks** and **WiFi Settings**. Tick the box to **Turn on WiFi**.

2. From the scan result, choose **eduroam**.

3. Check that the box shows these settings for eduroam:
   - **EAP method:** PEAP
   - **Phase 2 authentication:** MSCHAPV2
   - **CA Certificate:** Unspecified
   - **User Certificate:** Unspecified

4. For **Identity** enter your Kent IT Account username followed by **@kent.ac.uk** (for example, username abc1 would enter abc1@kent.ac.uk).

5. Leave the **Anonymous identity** box blank.

6. Enter your IT Account password. Tap **Connect**.

### iOS WiFi settings

1. Make sure WiFi is on: from the home screen, tap **Settings**, **WiFi**, **ON**.

2. Choose a network and select **eduroam**.

3. Enter your Kent IT Account username followed by **@kent.ac.uk** (for example, username abc1 would enter abc1@kent.ac.uk). Tap **Join**.

4. Accept the network certificate. When you’re connected there’s a tick next to **eduroam**.

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**Poor signal?**

In your WiFi settings, check your username includes @kent.ac.uk and re-enter your password.

Try turning WiFi off and on again to get the strongest signal.

Search the Kent website for WiFi speed for more advice.

Let us know if your signal continues to be poor and we’ll investigate.

Email: helpdesk @kent.ac.uk
Windows phone WiFi settings

1. From the home screen, tap **Settings**, **WiFi**, **eduroam**.
2. Enter your Kent IT Account username followed by **@kent.ac.uk** (for example, username **abc1** would enter **abc1@kent.ac.uk**).
3. Tap **Done**. The device will now show you are connected to eduroam.

Windows tablet settings

Windows 8, 10 and RT connect like a laptop. See *Problems connecting your laptop* on page 10 for more advice.

General WiFi settings for other devices

Other devices might be able to connect with these settings. If you can't change these settings, your device might not be able to use our network.

<table>
<thead>
<tr>
<th>Network name/SSID</th>
<th>eduroam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Security type</td>
<td>WPA2-Enterprise</td>
</tr>
<tr>
<td>WPA settings encryption type (if required)</td>
<td>AES</td>
</tr>
<tr>
<td>WPA authentication method</td>
<td>Protected EAP (or PEAP, or EAP then PEAP)</td>
</tr>
<tr>
<td>Authority/server certificate (if required)</td>
<td>GLOBALSIGN ROOT CA</td>
</tr>
<tr>
<td>PEAP version (if required)</td>
<td>Version 0, or PEAPv0</td>
</tr>
<tr>
<td>Personal/private certificate</td>
<td>none</td>
</tr>
<tr>
<td>Username</td>
<td>Your Kent IT Account username followed by <strong>@kent.ac.uk</strong> (for example, username <strong>abc1</strong> would enter <strong><a href="mailto:abc1@kent.ac.uk">abc1@kent.ac.uk</a></strong>)</td>
</tr>
<tr>
<td>Domain</td>
<td>none</td>
</tr>
<tr>
<td>PEAP authentication method</td>
<td>MSCHAPv2 or PEAP-MSCHAPv2</td>
</tr>
</tbody>
</table>

You may need to enter your IT Account details again. Disable any options to inherit user details from your device.
Windows 8, Windows 10 and RT (tablets, laptops and PCs)

1. From the Desktop right-click on the wireless icon (bottom right), and select Open Network and Sharing Centre.
2. Select Setup a new connection or network.
3. Select Manually connect to a wireless network and click Next.
4. Enter the following details:
   - in the Network name box type eduroam
   - set Security type to WPA2-Enterprise
   - set Encryption type to AES.
5. Click Next then click Change connection settings.
6. Select the Security tab, then click Settings.
7. Tick the box labelled Connect to these servers and type radius.ad.kent.ac.uk;radius2.ad.kent.ac.uk in the box below.
8. In the Trusted Root Certification Authorities window tick GlobalSign Root CA. Click OK then click Advanced Settings.
10. Click OK/Close as prompted. You are now ready to connect.

To connect

1. Click the wireless signal icon.
2. Select eduroam and press Connect.
3. To log in, enter your Kent IT Account username followed by @kent.ac.uk (for example, username abc1 would enter abc1@kent.ac.uk).

Problems connecting?
check that you added: @kent.ac.uk
to your Kent IT account username
Windows 7 / Vista (laptops and PCs)

1. Click Start, Control Panel and then Network and Internet (Can’t see it? Click Start and search for Network and Internet)

2. Click Network and Sharing Center, Manage Wireless Networks.

3. Click the Add button and click Manually create a network profile:
   ▶ in the Network name box type eduroam
   ▶ set Security type to WPA2-Enterprise
   ▶ set Encryption type to AES. Tick the Start this connection automatically box
   ▶ all other settings should remain as they are. Click Next.

4. Click Change connection settings:
   ▶ tick the Connect automatically when this network is in range box
   ▶ untick Connect to a more preferred network if available, and Connect even if the network is not broadcasting.

5. Click the Security tab:
   ▶ set Security type to WPA2-Enterprise
   ▶ set Encryption type to AES
   ▶ set Choose a network authentication method to Protected EAP (PEAP)
     - Windows 7: untick Remember my credentials for this connection each time I’m logged on
     - Windows Vista: untick Cache user information for subsequent connections to this network.

6. Click the Settings button:
   ▶ tick Validate server certificate and Connect to these servers, and type radius.ad.kent.ac.uk;radius2.ad.kent.ac.uk in the box below
   ▶ scroll to the Trusted Root Certification Authorities list, and tick GlobalSign Root CA. If there’s more than one option, tick them all. If you don’t see any, contact us.
   ▶ click Configure, untick ‘Automatically use my Windows logon name and password (and domain)’. Click OK and then:
     - Windows 7: click Close then click Additional information is required to connect... (bottom right)
     - Windows Vista: click Connect to... then eduroam from the list of networks. Click Connect then Enter additional logon information.

7. Click Additional information is required to connect (bottom right of screen). Enter your Kent IT Account username followed by @kent.ac.uk (so username abc1 would enter abc1@kent.ac.uk).
Mac OS X 10.9 and above

1. Open the AirPort menu and select eduroam. If not listed, select Join other network, name it eduroam, and select WPA2 Enterprise.

   To log in enter your Kent IT Account username followed by @kent.ac.uk (for example, username abc1 would enter abc1@kent.ac.uk)

2. If asked to accept a GlobalSign Root CA certificate, check that radius.ad.kent.ac.uk or radius2.ad.kent.ac.uk is listed before accepting it.

   If automatic set up doesn’t work, try turning the Airport off and on again.

Linux

Connecting from a linux system not running network manager

A text only linux system, a Raspberry Pi or an Arch linux system may not offer the network manager GUI to configure wireless.

To configure the wireless network from the command line:

* Edit /etc/wpa_supplicant/wpa_supplicant.conf

   ctrl_interface=/var/run/wpa_supplicant
   network={
      ssid="eduroam"
      scan_ssid=1
      key_mgmt=WPA-EAP
      pairwise=CCMP TKIP
      group=CCMP TKIP
      eap=PEAP
      identity="<your login>@kent.ac.uk"
      password="<your password>"
      phase1="peapver=0"
      phase2="MSCHAPV2"
   }

* In /etc/network/interfaces, your wireless card should be set to DHCP:

   allow-hotplug wlan0
   interface wlan0 inet manual
   wpa-conf /etc/wpa_supplicant/wpa_supplicant.conf

* Bring up the interfaces

   ifup wlan0

   Note the name of the wireless interface may differ from system to system.