secure

Ultra Full Fibre 150 and 300

Self-serve
installation instruction

Let’s
get started

First steps:

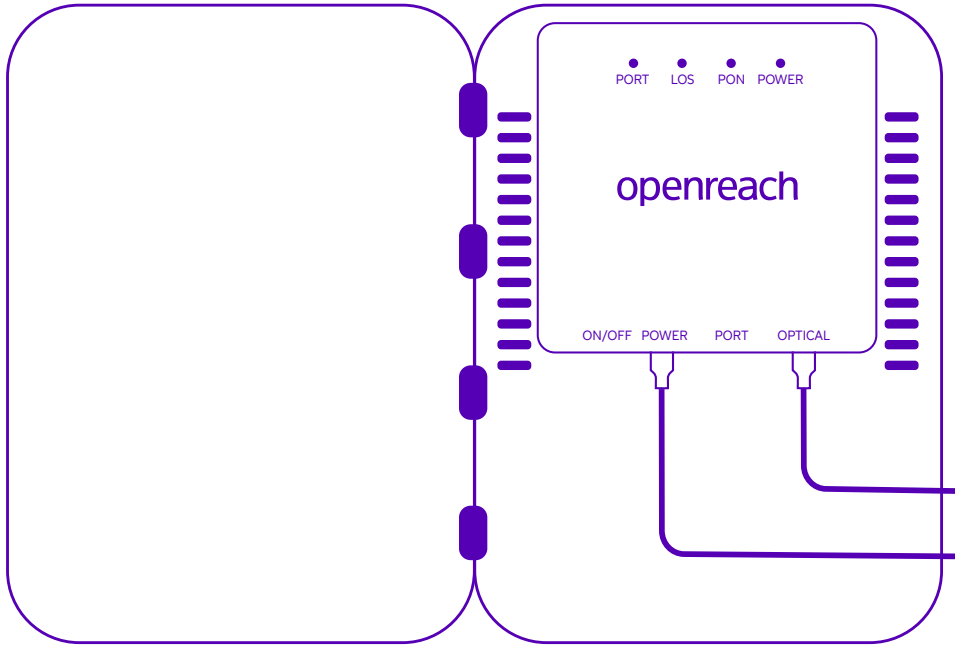
Before installing your Cisco Meraki equipment, please check the following:

- **Upgrading from existing BT Full Fibre to Ultra?**
  Make sure the Openreach Network Termination Unit (ONT) is located right next to where you want to install the Cisco Meraki MX67C.

- **New BT Full Fibre installation?**
  Ensure the Openreach engineer installs the ONT right next to where you want to locate the Cisco Meraki MX67C. Before the Openreach engineer leaves, ask them to confirm that the service is live.

- **Service not yet live?**
  The Cisco Meraki MX76C device won't be able to connect to its cloud management system until the internet is active.

- **ONT installed in the wrong location?**
  If the ONT isn't near where you plan to place the Cisco Meraki equipment, please contact our help desk team.



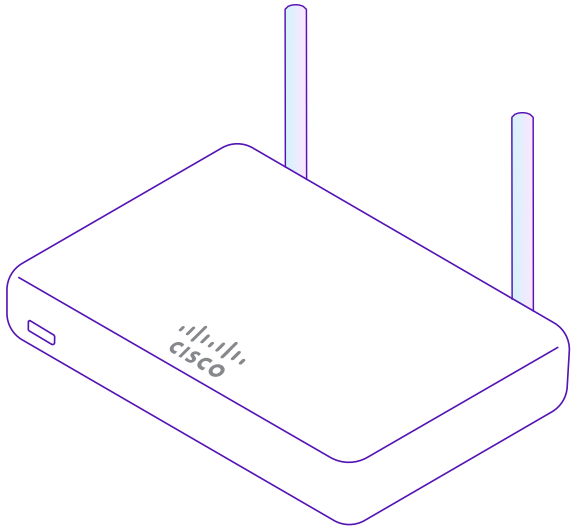
Optical Network Terminator (ONT)

If you already have an Openreach ONT, it may look slightly different from the example shown.

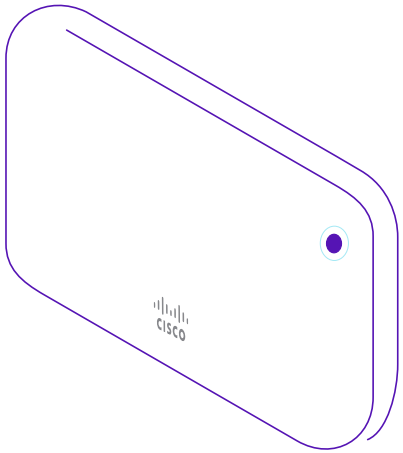
Without the Cisco Meraki equipment connected, you should see:

- Cables plugged into the power and optical ports.
- Power and PON lights showing solid green.

Here are the devices you should have received:



Meraki MX67C
security appliance



Meraki MR28
Wi-Fi access point

This is all you'll need to get your BT Business Ultra Broadband service set up once your broadband line is ready.

Please note: if you already have an existing broadband hub, you'll need to switch it off and unplug it before setting up your new equipment.

Cables, connectors and accessories checklist:

Meraki MX67C security appliance

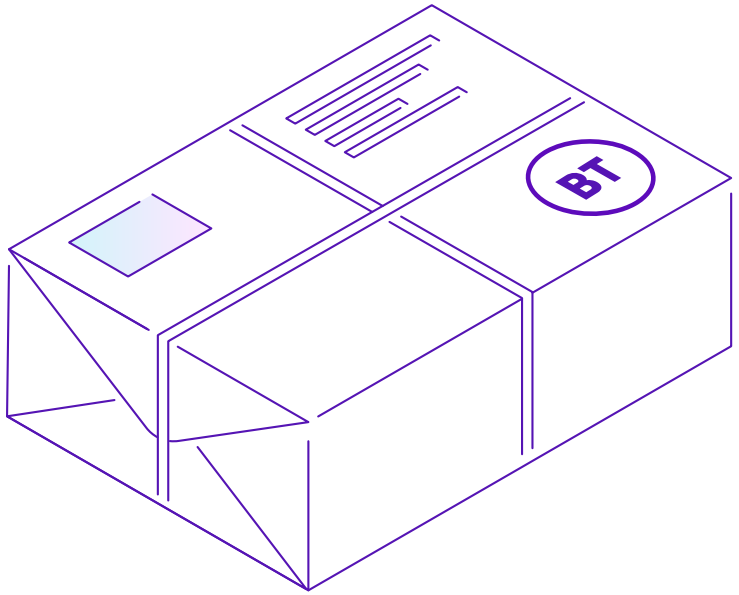
- 1x power adapter.
- 2x CAT5e ethernet cables.
- 2x LTE antennae (for 4G backup).

Meraki MR28 Wi-Fi access point

- 1x mount plate.
- 1x mount kit (includes wall screws).

Miscellaneous

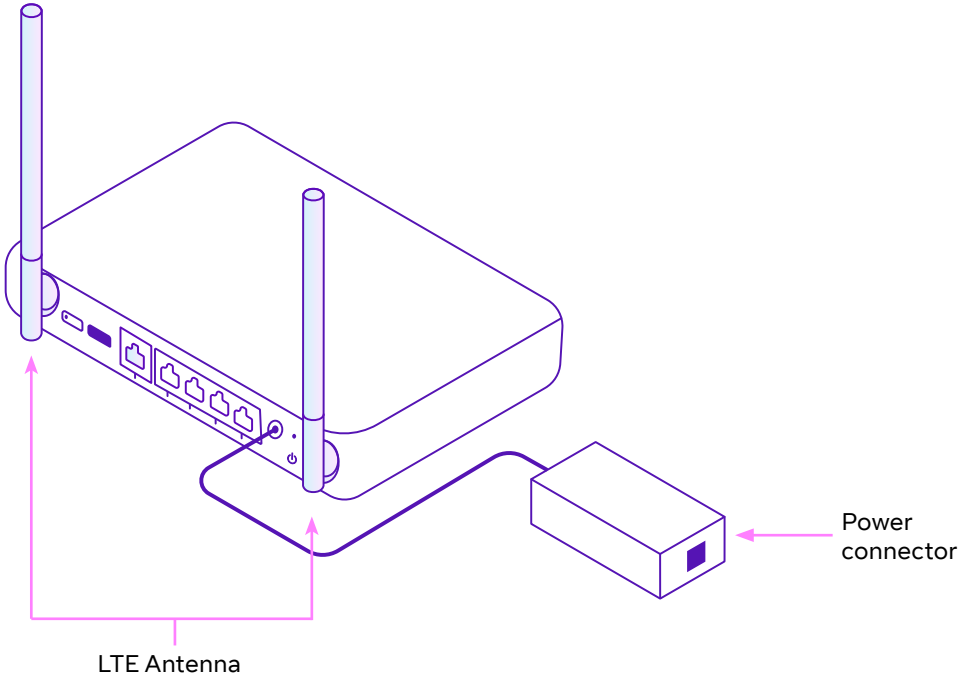
- 1x UK power cable (for MX67C).
- 1x power adapter (for MR28).
- 1x CAT5e ethernet cable (10 metre, for connecting MR28 to MX67C).



Part one:

1. Set up and connect your security appliance

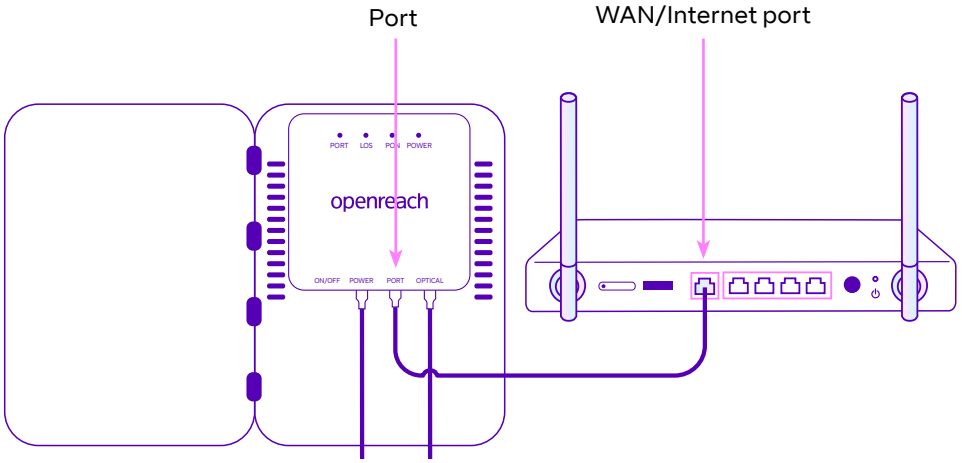
Connect the two LTE antennae to the rear of the security appliance – matching the diagram below. Plug one end of the UK power cable into the power adaptor and the other end into the power connector at the back of the security appliance. Then plug one of the UK power cables into the power adaptor, plug it into the wall, and switch the plug on.



Note: The LTE antennae provide signal for the 4G backup. Tighten the connectors until they are finger tight, but don't use pliers or a similar tool to tighten the connectors, as it isn't necessary.

2. Connect your security appliance to the Openreach ONT

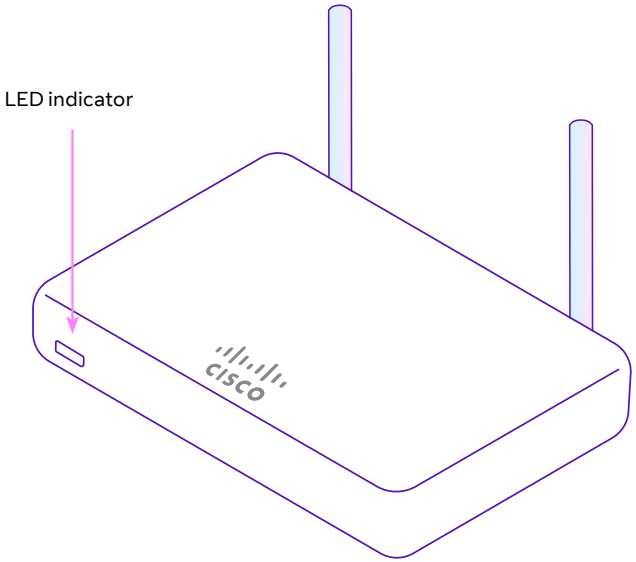
Using the black ethernet cable, connect the WAN/Internet port on the security appliance into the ethernet port on the Openreach ONT.



3. Wait for the white light on the security appliance

Once powered up and connected, the security appliance will take 10 to 15 minutes to connect and update to the latest firmware. It will display a solid white LED status once it's fully operational. The following table lists other LED statuses that the security appliance might display during set up or operation.

LED Status	Meaning
Solid orange	Power is applied but the appliance is not connected to the Meraki dashboard.
Rainbow colours:	The appliance is attempting to connect to Meraki dashboard.
Flashing white	Firmware upgrade in progress.
Solid white	Fully operational/connected, uplink actively using wired WAN.
Solid purple	Fully operational/connected, uplink actively using integrated cellular failover.



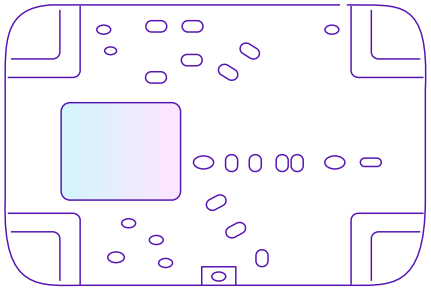
Part two:

1. Set up your Wi-Fi access point

Remove the mounting plate on the back of the Wi-Fi access point to expose the cable access bay.

Meraki MR28 Wi-Fi access point

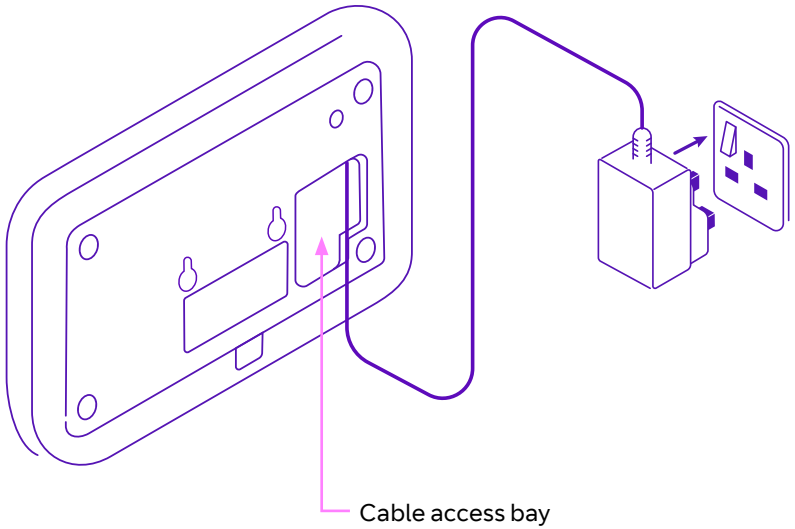
Mount plate



2. Plug the MR28 power adaptor into the Wi-Fi access point and power up

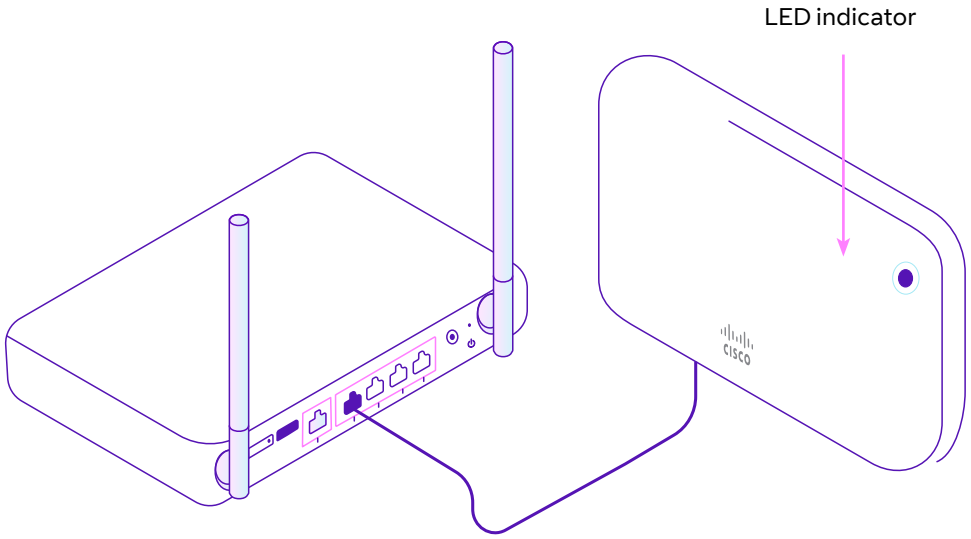
Plug the MR28 UK power adaptor into the Wi-Fi access point and switch the plug on. The MR28 access point will begin to power up.

You may wish to install the Wi-Fi access point using the mounting plate provided, but you can leave this for your BT Expert Setup engineer to complete at your chosen appointment.



3. Connect the 10 metre ethernet cable to the Wi-Fi access point

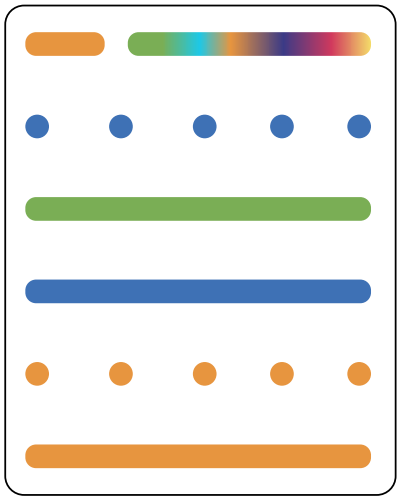
Insert one end of the 10 metre ethernet cable into the Wi-Fi access point and the other to the security appliance using one of the four LAN ports on the back.



4. Now, wait for the green light on the Wi-Fi access point

Now that the Wi-Fi access point is powered on and connected, you can monitor its installation via the LED in the top right-hand corner. The LED will turn solid green to show it is ready for connections. This should only take a few minutes.

LED Status



The Wi-Fi access point's LED conveys information about system functionality and performance.

Here's a short guide for you to refer to:

Rainbow – AP (access point) is initialising/ scanning.

Blinking blue – AP is upgrading

Blue – AP is operational and has clients connected.

Green – AP is operational but with no clients connected.

Blinking orange – AP has a connection problem.

Orange – AP is booting (permanent orange suggests a hardware issue).

Part three:

Connect your wireless devices

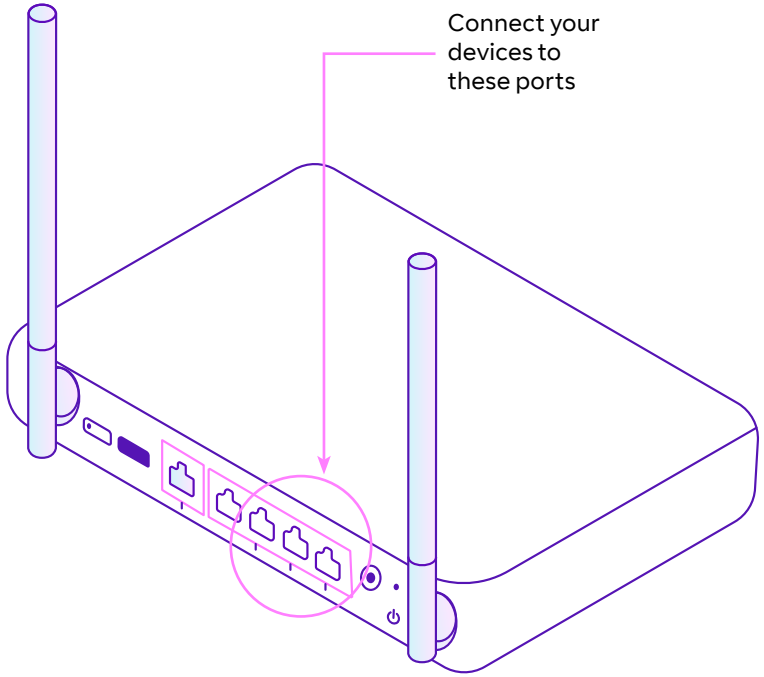
1. The Wi-Fi network **BTUltraBroadband** should now show as an available network on any wireless device you want to connect – including mobiles, tablets, or laptops.

2. The password for this network is the serial number on the bottom of your security router.

3. Once you've entered this password, you should be connected to your new BT Business Ultra Broadband network.

Connect your wired devices

If you have wired devices, such as computers, printers, or an existing network switch, you can connect these to the remaining three LAN ports on the security appliance.



Part four:

Tailoring your network with an Expert Setup appointment

Following your broadband installation, you'll receive a visit from one of our Expert Setup engineers. They'll help you complete the configuration of your Ultra service and complete the set up on your behalf. This service is included in your package – it won't cost you a penny.

Our engineers can help with things like:

- Installing up to two additional access points.
- Updating your Wi-Fi network name and password.
- Setting up Guest Wi-Fi, if you want this feature.
- Testing the 4G backup failover and failback operation.
- Modifying the initial IP address schema of the internal DHCP server to include reserve addressing and support for static IP addresses for LAN devices such as printers.

If you need to reschedule your visit,
call 0800 800 0152 / 154

Offices worldwide

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