

Nokia WiFi Beacon 3.1 router self-install guide.

1. Preparation

Before you begin, make sure you have:

- A new Nokia Beacon 3.1 router
- Power cord
- Ethernet cable

Backup Settings (if possible) – take screenshots of network settings such as SSID, password, or other settings.
[Previous Router]

2. Disconnecting the old router:

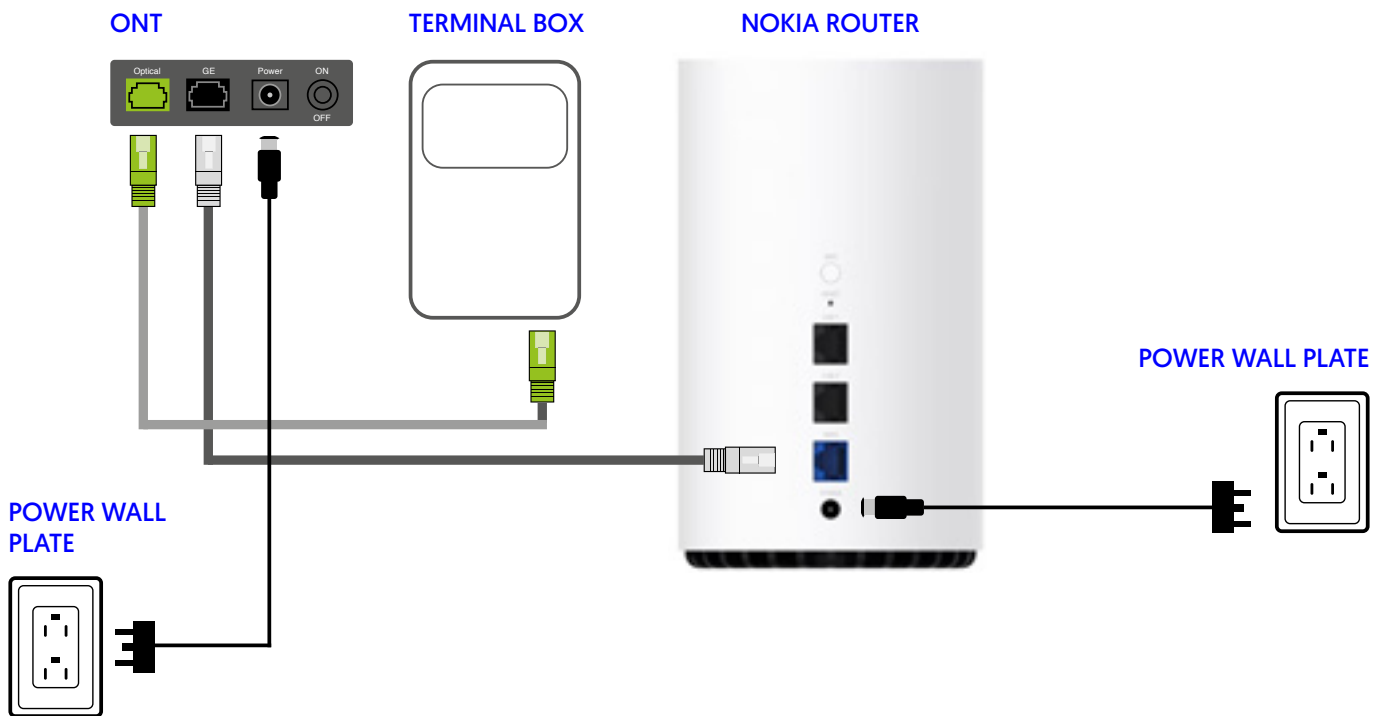
- Turn off the old router.
- Unplug the power cord from the electrical outlet.
- Disconnect any cable from the router.

Hey! Broadband

3. Installing the New Nokia Beacon 3.1:

- Place the new router in the same position as the old one or in a well-ventilated location, the surface must be clean without dust or any other particles.
- Connect the ONT to the power, fibre & Ethernet cable. If you already have an ONT just connect the ethernet cable to the router wan port.
- Connect the Ethernet cables to the correct WAN port of the router.
- Connect the telephone cable if you have it.
- Connect the Ethernet cables to the Ethernet ports if you have it.

Plug the power cord into the electrical outlet and into the router.
Organize the cables to avoid tangles.



4. Powering on and configuring

Turn on the new Nokia Beacon 3.1.
Wait for the LED indicators to show the correct status.

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In order to know what is happening inside the Nokia Beacon by using its LED light as a reference, please refer to this table:

LED Colour	LED Behaviour	Meaning
OFF	Off	No Power
WHITE	Solid	Booting Up
	Slow pulse	Backhaul link setting up or WPS mode enabled
	Fast pluse	Backhaul link established
BLUE	Solid	Connection is good
YELLOW	Solid	Connection is good
	Slow pulse	Configuration mode
RED	Solid	Connection is bad or not connected
	Fast pulse	Factory reset has been triggered

5. Register and provision your device:

Please contact technical support team at **0330 822 2878** to provision your new device.

We are available **Mon- Fri from 8am to 8pm**
Sat-Sun from 8am to 6pm

6. Testing and Verifying

Make sure the devices can connect to the WiFi or cable network. (May need to forget all the previous details SSIDs)
Check that the Internet connection is stable.

7. Finishing

Your new Nokia Beacon 3.1 router is now installed and ready to use.

Please post your old device to

Unit 1, Earl House, Hayes End Road, Hayes UB4 8EH
COA Warehouse

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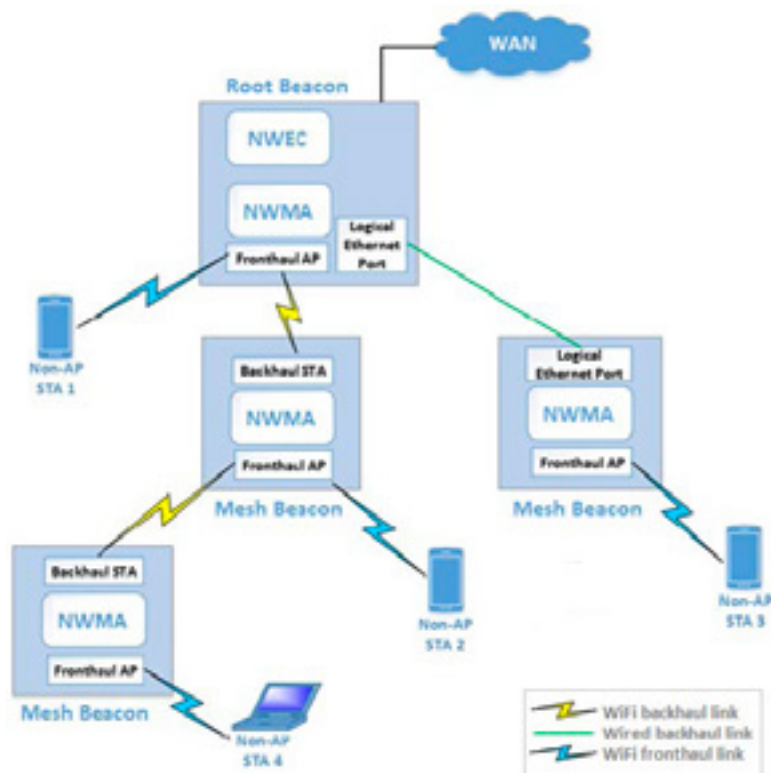
Nokia WiFi Mesh self-install guide.

1. Setting up a mesh network

A mesh network will include at least one Root Beacon and one Mesh Beacon, although NWMM supports up to five Mesh Beacons in deployment. The Root Beacon serves as the connection point between the WAN (fiber, cellular) and the LAN, and it broadcasts a wireless SSID to which both Mesh Beacons and client devices can connect. Once connected to the Root Beacon, the Mesh Beacons form a mesh network that extends wireless network coverage and supports client device connections.

FIGURE 3 shows one example of a mesh network.

Figure 3: Representative mesh network



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2. Adding Mesh Beacons

Nokia WiFi Mesh Beacons are available from the user's ISP; device options will vary based on location and service offerings. Mesh Beacons may be sold individually or packaged with other gateway devices from the ISP based on availability in local areas. Nokia ONTs and FastMile gateways are not sold with Mesh Beacons, and these devices must be purchased separately.

Note: In rare cases, the ISP/gateway provider may choose to disable Mesh capabilities within their Root AP configuration. In such cases, Section 4.3 does not apply.

3. Setting up Mesh Beacons

Once the Root Beacon has been set up using the Nokia Home mobile app, the user can extend their network coverage and add Mesh Beacons by following either of the following procedures:

1. Add Beacon via the mobile app; the default method of the procedure involves using a smartphone camera to scan a QR code on the Beacon's underside, but the user can also enter the serial number manually when prompted.

2. Add WiFi Point via the web UI; the procedure requires the user to manually input the Beacon's serial number. Both procedures support setting up a Beacon using either a wired (Ethernet) or wireless (Wi-Fi) connection. If choosing a wireless connection, the mobile app provides location-specific feedback regarding the quality of the connection between the Root and Mesh Beacons. Once an optimum location is identified, the user assigns the Beacon's location a name and completes the setup process.

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4. Positioning Mesh Beacons

Once the Mesh Beacon's best position has been determined, the following guidelines should be observed. All Mesh Beacons must be deployed near a power outlet, preferably at least six feet off the floor, and in an open space away from:

- Walls or obstructions.
- Heavy-duty appliances or electronics, such as microwave ovens and baby monitors.
- Metal fixtures, enclosures, cabinets, reinforced concrete, or pipes.

Notes: Ensure at least 1 inch of clearance on all sides of the Beacon. Place beacons at least 3 feet from baseboard heaters.

Once the network is established, the user may find that making changes to beacon placement improves the quality of their experience. This possibility can be evaluated by using mesh signal strength indicators (such as the beacon's LED color or mobile app/web UI signal strength attributes) as described in relevant beacon product manuals.

Once the Mesh Beacon is placed, if any signal strength indicator shows less than green/good, it is recommended that the user move the beacon either closer to the Root Beacon or closer to another Mesh Beacon with a better connection to the Root Beacon.

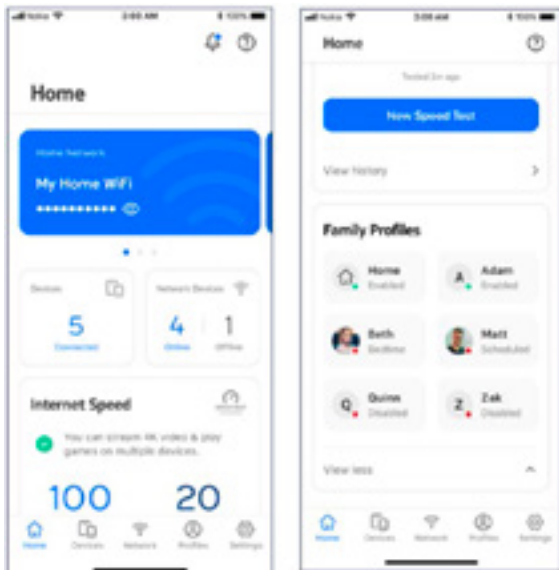
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5. Using a mobile app to configure the network

The primary interface with which the user configures their mesh network and its wireless settings, the mobile app can be Nokia WiFi-specific or maybe ISP-branded. Available from the App Store or Google Play, the Nokia Home mobile app guides users through installing and setting up their network gateway and adding Beacons to create a mesh network.

The mobile app's Home screen shows the user how many client devices and Beacons are connected. Users can also run a speed test or manage family profiles.

The Nokia Home mobile app offers best-in-class features including:



Standard configurable settings		
Network visualization and remote management	Device visualization and management	Beacon setup and installation guidance
Website filtering	Parental controls	Guest network setup
Advanced configurable settings		
DNS configuration	Port forwarding	IP address reservations
Universal Plug and Play (UPnP)	Set networking modes: Dynamic Host Control Protocol (DHCP), Static, Point-to-Point Protocol over Ethernet (PPPoE) or Bridge.	