

Nokia CN-WF-NOK-BEA1-UK-3

Nokia WiFi Beacon 1 Mesh System: AC1200 Whole Home WiFi Instruction Manual

Model: CN-WF-NOK-BEA1-UK-3 | Brand: Nokia

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1. INTRODUCTION

Welcome to the Nokia WiFi Beacon 1 Mesh System. This high-performance whole home WiFi solution is designed to replace your existing router, providing seamless AC1200 throughput and resolving common WiFi interference issues. With its advanced mesh technology, the Beacon 1 ensures robust and reliable internet connectivity throughout your home.

2. PRODUCT OVERVIEW

Key Features:

- **Whole Home Coverage:** A 3-pack system covers up to 4500 square feet, eliminating dead zones.
- **High Performance:** Supports AC1200 throughput for fast and reliable internet.
- **AI-Driven Mesh:** Intelligently optimizes your network for the best connection.
- **Seamless Roaming:** Stay connected as you move throughout your home with a single Wi-Fi name.
- **Extensive Device Support:** Connects up to 150 devices simultaneously.
- **Advanced Security:** Features WPA2 and WPA3 encryption for a secure network.
- **Parental Controls:** Manage internet access and content for family members via the app.
- **Easy Setup:** Guided installation through the intuitive Nokia WiFi app.

Components:

The Nokia WiFi Beacon 1 system typically includes:

- Nokia WiFi Beacon 1 units (e.g., 3 units for a Trio pack)
- Power adapters for each Beacon
- Ethernet cable
- Quick Installation Guide



Figure 1: Front view of a single Nokia WiFi Beacon 1 unit.



Figure 2: Rear view of the Nokia WiFi Beacon 1, showing LAN/WAN ports and power input.

3. SETUP GUIDE

3.1. Unboxing and Initial Preparation

1. Carefully unpack all components from the box.
2. Download the **Nokia WiFi app** from your device's app store (available on iOS and Android).
3. Ensure your existing modem is powered off and disconnected from your old router.

3.2. Connecting the Primary Beacon

4. Place one Nokia WiFi Beacon 1 unit near your modem. This will be your primary Beacon.
5. Connect one end of the provided Ethernet cable to the **WAN/LAN** port (blue) on the primary Beacon.
6. Connect the other end of the Ethernet cable to your modem's Ethernet port.
7. Connect the power adapter to the primary Beacon and plug it into a power outlet.
8. Power on your modem, then power on the primary Beacon. Wait for the LED indicator on the Beacon to turn solid blue or green, indicating it's ready for setup.
9. Open the Nokia WiFi app and follow the on-screen instructions to configure your new network.

3.3. Adding Additional Beacons

9. Once the primary Beacon is set up, place the additional Beacon units in other areas of your home where you need improved Wi-Fi coverage. For optimal coverage, place them strategically to cover up to 4500 sq ft for a 3-pack system.
10. Connect the power adapter to each additional Beacon and plug it into a power outlet.
11. Wait for the LED indicator on each additional Beacon to turn solid blue or green.
12. In the Nokia WiFi app, select the option to add a new Beacon and follow the instructions to integrate them into your mesh network.



Figure 3: Using the Nokia WiFi app for easy setup and management.

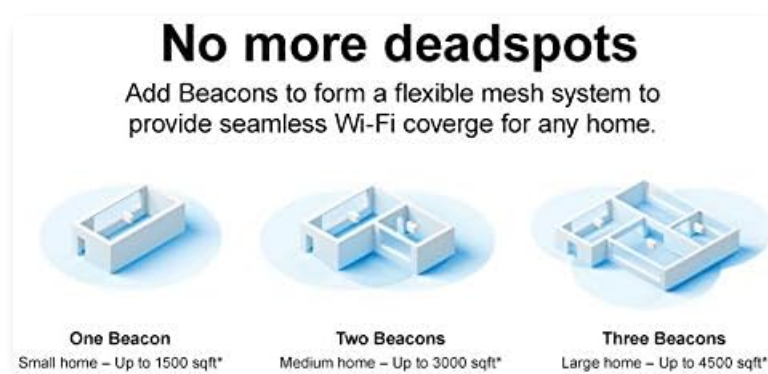


Figure 4: Coverage illustration for 1, 2, and 3 Nokia WiFi Beacon units, demonstrating dead zone elimination.

4. OPERATING INSTRUCTIONS

4.1. Using the Nokia WiFi App

The Nokia WiFi app is your central control panel for managing your mesh network. It allows you to:

- View connected devices and their signal strength.
- Set up parental controls to manage internet access for specific devices or users.
- Create a guest network for visitors, keeping your main network secure.
- Monitor network security and receive alerts.
- Perform network diagnostics and optimize performance.

4.2. Wired Connections

Each Nokia WiFi Beacon 1 unit is equipped with 4 Ethernet ports (WAN/LAN and LAN) supporting 2.5G wired backhaul and LAN connections. This allows you to connect devices such as gaming consoles, smart TVs, or network-attached storage (NAS) directly to a Beacon for maximum speed and stability.

4.3. LED Indicator Status

The LED light at the base of each Beacon indicates its current status:

- **Solid Green:** All is well, Beacon is connected and operating normally.
- **Solid Blue:** Setting up or booting up.
- **Solid Yellow:** Startup in progress.
- **Solid Red:** Has an issue (refer to troubleshooting section).

5. MAINTENANCE

5.1. Firmware Updates

Regular firmware updates are crucial for maintaining optimal performance, security, and access to new features. The Nokia WiFi app will notify you when updates are available and guide you through the installation process. Ensure your Beacons remain powered on during updates.

5.2. Cleaning Your Beacons

To ensure proper ventilation and longevity, periodically clean your Beacon units with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.

5.3. Resetting the Device

If you encounter persistent issues, you may need to reset a Beacon to its factory settings. Locate the reset button (often a small pinhole) on the back or bottom of the unit. Use a paperclip to press and hold the button for approximately 10 seconds until the LED indicator changes, then release. This will erase all custom settings, and you will need to reconfigure the Beacon via the app.

6. TROUBLESHOOTING

Common Issues and Solutions:

- **No Internet Connection:**

- Check if your modem is working correctly.
- Ensure all Ethernet cables are securely connected.
- Restart your modem and all Nokia WiFi Beacons.

- **Weak Wi-Fi Signal:**

- Relocate Beacons to optimize coverage, ensuring they are not too far apart or obstructed by thick walls.
- Check for sources of interference (e.g., microwaves, cordless phones).

- **Device Cannot Connect:**

- Verify the Wi-Fi password.
- Ensure the device is within range of a Beacon.
- Restart the device you are trying to connect.

- **LED Indicator is Red:**

- This indicates a problem. Check your internet connection and the connections between your Beacons.
- Try restarting the affected Beacon and your primary Beacon.

For further assistance, consult the Nokia WiFi app's help section or visit the Nokia support website.

7. SPECIFICATIONS

Feature	Detail
Model Name	CN-WF-NOK-BEA1-UK-3
Wi-Fi Speed	AC1200 throughput
Coverage (3-Pack)	Up to 4500 sq ft
Connected Devices	Up to 150 devices
Frequency Band Class	Dual-Band
Wireless Standard	802.11ac
Ethernet Ports	4 (WAN/LAN, LAN) with 2.5G wired backhaul support
Security Protocol	WPA2, WPA3
Control Method	Nokia WiFi App
Operating System	[Nokia Proprietary OS]
Color	White
Item Weight	3.36 pounds
Package Dimensions	14.72 x 8.85 x 3.22 inches

8. WARRANTY AND SUPPORT

The Nokia WiFi Beacon 1 Mesh System comes with a standard manufacturer's warranty. For detailed warranty information, please refer to the documentation included with your product or visit the official Nokia support website. For technical support, troubleshooting, or service inquiries, please contact Nokia customer service or use the support features within the Nokia WiFi app.