

Smart WiFi

Home WiFi in every corner
Less Devices, more power.

User Guide

Understand your Cablenet Smart WiFi Beacon and Nokia Mobile app features.



Getting Started

Understanding the LED colours

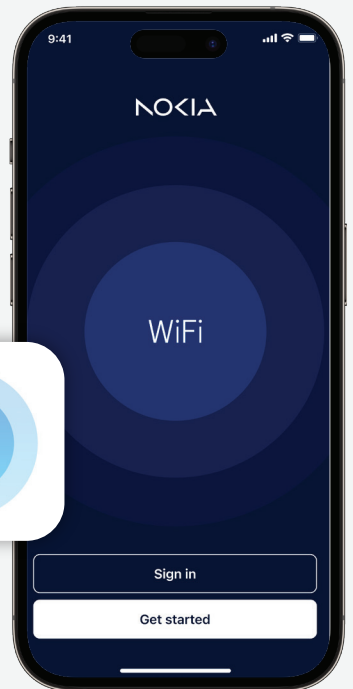
The following table displays the LED behavior and color of the Nokia WiFi Beacons:

LED color	LED behavior	What it means
Off	Off	No power
White	Solid	Booting up
Blue-green (or Blue)	Solid	Connection is good
Yellow	Solid	Connection is poor
Red	Solid	Connection is bad or not connected
Yellow	Slow pulse	Configuration mode
White	Slow pulse	Backhaul link setting up or WPS mode enabled
White	Fast pulse (3 secs)	Backhaul link established
Red	Fast pulse	Factory reset has been triggered

Setting up your Smart WiFi

Step 1:

Download the **Nokia WiFi app** from **Google Play Store** or **Apple App Store**



Step 2:

Open the app, tap Get Started and follow the instructions in the app.

Understanding the Nokia Mobile app features

Home screen

The Nokia WiFi Mobile app controls the WiFi points from your mobile device. It puts you in control of your network to share your WiFi password, see what devices are online/offline, which devices are connected/not connected, set family profiles, check the internet speed and so on.

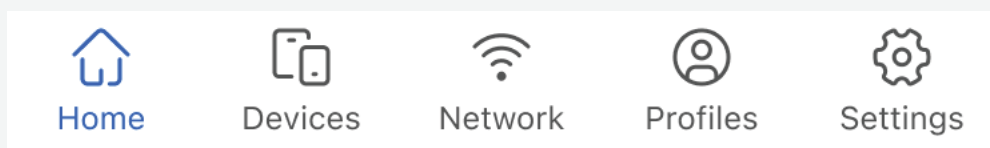
One the home screen you can see:

- 1. Home Network:** Displays the home network name.
To view the password of home network, tap the eye icon.
- 2. Guest Network:** Displays the guest network name.
To view the password of home network, tap the eye icon.
You can turn on or off the guest network.
- 3. Internet Speed:** Displays the upload and download speeds. (Not available in all configurations.)
- 4. Family Profiles:** Displays the list of family profiles. (Not available in all configurations.)

5. **Network health check:** Displays the health of your network and provides tips to improve the network health.
6. **Network security:** Displays the threat protection, bot attack and abnormal traffic protection.
7. **Wi-Fi data usage:** Displays the Wi-Fi data usage details for each device.

At the bottom of the home screen, you can navigate to the major sections of the app:

- **Home:** To return to home screen from another screen.
- **Devices:** Shows the connected and recently connected (not connected) devices to your network, their signal strength and detailed device information.
- **Network:** Displays a network topology map, the WiFi points in your network and their details.
- **Profiles:** Family Profiles can be created where devices can be grouped together and internet on/off times can be set.
- **Settings:** WiFi settings, account settings, advanced network settings and more.



Edit Home screen

You can edit the home screen by hiding or showing widgets and changing their position.

Note: Home screen widgets will only be edited for deployments with more than three widgets.

1. Tap **Edit** on the home screen to open the **Edit** screen, which displays the list of widgets.
 - Widgets currently shown on the home screen are displayed with a  icon, while those hidden from the screen will be displayed with a  icon.
 - You can drag each editable widget up or down to reorder them as desired.
2. To add a widget to the home screen, tap the  icon.
3. To hide a widget, tap the  icon.

Add a WiFi network (new SSID)

1. Tap (Add WiFi network) in the home screen of the Nokia WiFi mobile app
Or

Tap **Settings** at the bottom of the home screen in the Nokia WiFi mobile app and tap "+" next to Add WiFi network.

2. Tap **Continue** in the warning message. The network will go down for two minutes.

3. On the Add new network screen, select the preferred network type. Tap **Next**.

4. On the Name your new network screen, enter the name. Tap **Save**.

5. On the Create a password screen type the desired new password for the network (SSID).

- When setting your password, a list of password rules will appear below the password field.
- Each rule is marked with:
 -  Green Check Mark: Rule is met
 -  Gray Circle: Rule is not yet met
- These rules update in real-time as you enter or modify your password.

6. Once all password rules are met, tap **Save**. The app starts creating the network. After the network is successfully created, tap **Done**.

Add a WiFi network (new SSID) with the web GUI:

1. Connect to the web GUI with a browser on your network

2. Go to the WiFi -> WiFi networks in the left side menu

3. Click on the Add WiFi network

4. Select the type of network that you would like to setup (multi band or single band)

5. Give the network a name and set the password

The following network options may be available, depending on your device.

Multiband	Select this option to configure a multiband wireless network on all supported bands. This option is recommended. Your devices will roam to a different wireless band based on usage, speed, coverage and distance. The wireless encryption of this network is WPA3-Personal Transition.
2.4GHz	Select this option to configure a 2.4 GHz wireless network. This might be needed if some older devices have issues connecting to a band-steering network. The wireless encryption of this new network is WPA2-Personal.
5GHz	Select this option to configure a 5 GHz wireless network. This might be needed if some older devices have issues connecting to a band-steering network. The wireless encryption of this new network is WPA2-Personal.
6GHz	Select this option to configure a 6 GHz wireless network. The wireless encryption of this new network is WPA3-Personal.

- Notes:
- This feature is available in the mobile app for some deployments.
 - While adding a new network, if you see an error message that there is not enough space to add a new network, you will be prompted to delete an existing network. Removing the existing network will permanently remove the network and this cannot be undone.
 - Some WiFi points need to reboot the chip to make changes, for those a warning message is shown.

How to remove or edit a WiFi network (SSID)

You can delete or edit a WiFi network with your Nokia WiFi mobile app.

Edit a WiFi network

1. Tap the WiFi network you would like to edit on the home screen of the Nokia WiFi mobile app and tap the **Edit** icon  to edit the WiFi network.

Or

Tap **Settings** in the home screen of the Nokia WiFi mobile app and select the WiFi network that you want to edit.

2. On the Home Network screen, tap the edit icon  to change the name and password.
3. The network will go down for two minutes, tap **Continue** in the warning message.
4. On the Edit Name & Password screen, make changes and tap check mark  to save. If you change the name or password, you will need to reconnect your devices.
5. Tap **OK, got it** to continue to save the changes and update the network.
6. After the network is successfully updated, tap **Done**.
7. Tap **Enable MLO** to allow simultaneous data transmission and reception across multiple frequency bands and channels. (available on supported hardware)

Delete a WiFi network

1. Tap **Settings** in the home screen of the Nokia WiFi mobile app.

Or

Tap the WiFi network you would like to delete in the home screen of the Nokia WiFi mobile app and tap the Edit icon to delete the WiFi network. Go to step 3.

2. Select the WiFi network that you want to delete.
3. On the Home Network screen, tap **Delete**. The network will go down for two minutes and tap **Delete** in the warning message.

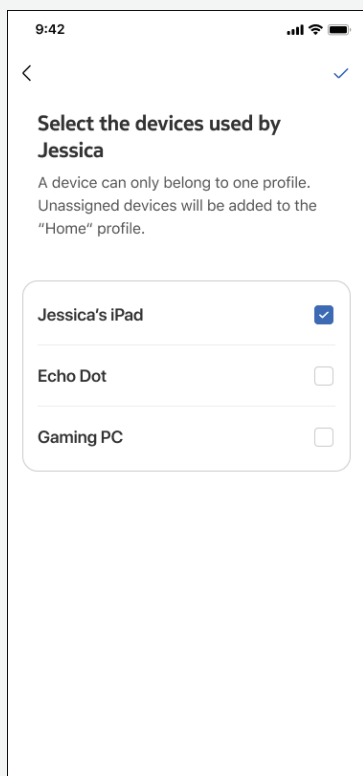
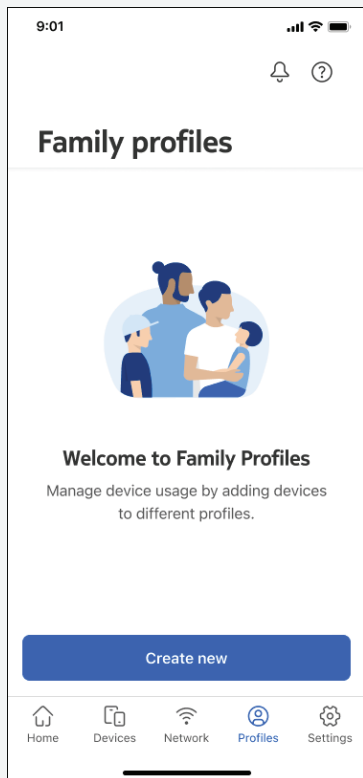
Set up family profiles (parental controls)

Family profiles let you restrict internet access for certain devices at specific times or to block specific websites. For example, you can group all of your kids' devices and give them an internet "bedtime".

Set up a profile

1. Tap **Profiles** at the bottom navigation on the home screen.
2. In the Family Profiles screen, tap **Create New** (to set up a profile for the first time) or **Add Family Profile** (to set up an additional profile).
3. Give the profile a name and select the devices that you would like to add to the profile.
4. For each profile:
 - Internet access can be paused / unpaused at any time.
 - Schedules can be setup for internet access to be enabled or disabled
 - A bedtime can be setup (no internet access)
 - Individual websites can be blocked

Note: By default, all devices are assigned to the Home profile. If you remove a device from any other profile, it will automatically be reassigned to the Home profile. Devices can only belong to one profile at a time.

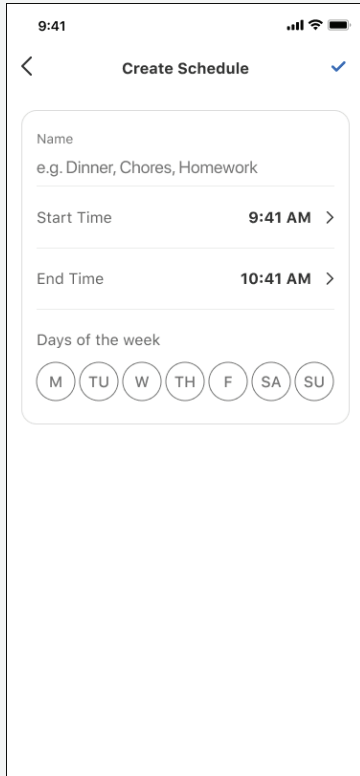


Add or remove assigned devices

1. Tap **Assigned Devices**. You will see the devices currently assigned to the profile.
2. Tap the pencil icon to edit.
3. Select the devices you would like to add to the profile (or deselect the devices to remove).
4. Tap the check mark at the top right corner to save.

Schedules

You can set up a schedule for a group that will automatically block internet access during specific times.

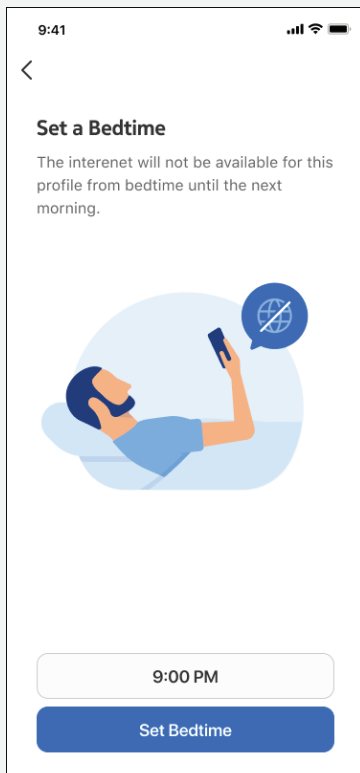


1. Tap Schedules.

2. In the Schedules screen, tap **Create Schedule** to create a new schedule for the first time (or the "+" on the top right to add an additional schedule).

- Give the schedule a name (for example, the name of the activity, such as homework or dinner).
- Select the **Start Time**, **End Time** and **Days of the week** you would like this schedule to be applied to.
- Tap the check mark at the top right corner to save. This schedule will then be listed in the Schedules screen. By default, it is enabled.

3. To **edit** or **delete** the schedule, tap a schedule and select edit or delete from the buttons on the bottom.



Bedtime

You can set up a bedtime for a profile to block internet access during that specific times.

1. Tap Bedtime.

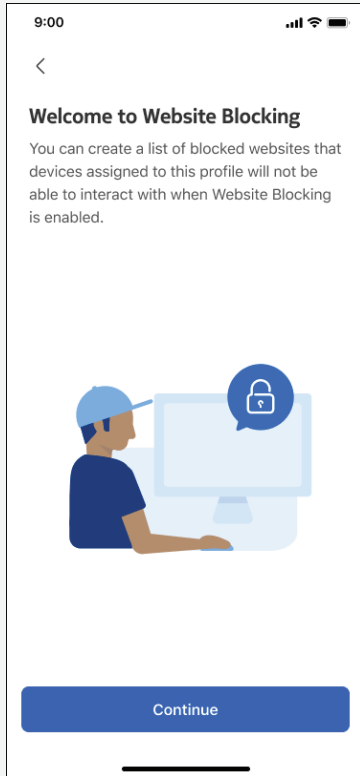
2. Select the bedtime (internet access will be turned off at that time) and set the time and tap **Done**.

3. To edit, tap > below the bedtime.

- **Edit Bedtime:** Modify the days and time and tap the check mark the top right corner to save the changes.
- **Delete Bedtime:** The bedtime will be deleted. Tap **Undo** to undo the changes.

Website blocking

Use website blocking to block a specific website from all devices assigned to the profile. (available with certain configurations)



1. Toggle the **Blocking** option on.

- Tap the plus (+) sign to add a website to block.
- Enter the website URL and tap the check mark on the top right corner to save. You will see the website is listed under the Blocked Websites.

Note: The blocked website might be reachable for a few minutes after blocking depending on the browser's cache settings

2. To edit, tap the ellipsis on the right of the website URL and select:

- **Edit Website:** Modify the website URL and tap the check mark on the top right corner to save the changes.
- **Delete Website:** The website will be deleted from the Blocked Websites list. Tap Undo to undo the changes.

Edit or delete profile

1. Tap the ellipsis at the top right corner of the profile screen to open the menu.
2. Tap **Edit Profile** or **Delete Profile**.

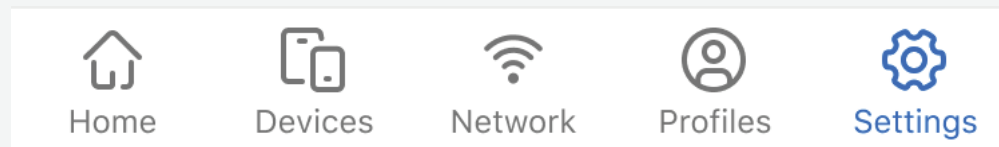
Notes:

- Family profiles can be set up when signed into the mobile app with a Nokia WiFi account (available with some configurations) or with the local admin access (the default login information on the Beacon sticker). You can change the default admin password in the web GUI (Maintenance/Password) to prevent unauthorized access.
- Family profiles are not available when using bridge mode.

Set up port forwarding

Note: Port forwarding is disabled if the networking mode is configured as Bridge mode. Port forwarding enables applications such as games to reserve ports to directly connect to other devices on the internet.

1. Tap **Settings** at the bottom of the home screen of the Nokia WiFi Mobile App.



2. In the Settings screen, swipe down and tap **Advanced**.

3. Tap **Port Forwarding**.

4. Tap **Create a rule**.

5. Select an online or offline device for the port forwarding rule or tap **Add Manually** to add a device for the rule.

6. Add the IP address reserved or modify it for the selected device and tap the check mark at the top right corner to save the changes.

7. In the Create a rule screen, add port values and select the protocol:

Parameter	Description
Name	Displays the name of the port forwarding rule
IP Address	Displays the IP address
External Port	Enter the port value.
Internal Port	Allowed values: 1 to 65535.
Protocol	Select any of the following: ▪ TCP & UDP ▪ TCP ▪ UDP

8. Tap the check mark at the top right corner to save the changes.

Note: If you are looking to forward a range of ports, you can do that in the Web GUI.

Delete a port forwarding rule

1. Tap **Settings** at the bottom of the home screen of the Nokia WiFi Mobile App.

2. In the Settings screen, swipe down and tap **Advanced**.

3. Tap **Port Forwarding**.

4. Tap > next to the port forwarding rule to be deleted.

5. Tap **Delete rule**.

6. Tap **Delete rule** to delete the rule and this cannot be undone.

Guest Network

The ability to add a guest network is available in some configurations.

Note: Some Wi-Fi points need to reboot the chip to make changes, for those a warning message is shown to other devices on the internet.

The benefit of having a guest network is that guests can reach the internet without accessing your personal Nokia WiFi network. The guest network is disabled by default.

Your guest network can be either:

- **Password-protected:** Guests must enter a password to connect to the network (default option).
- **Open:** No password is required to access the network, but you will need to grant access to each device after it connects (*available with some configurations).

Enable a guest network

1. Tap the toggle button on the guest network in the home screen of your Nokia WiFi mobile app to enable the guest network. By default, a guest network is disabled.
2. Tap on the guest network card to view the guest network details.

Disable a guest network

1. Tap the toggle button on the guest network in the home screen of your Nokia WiFi mobile app to disable the guest network. Or Tap Settings in the home screen of the Nokia WiFi mobile app.
2. Tap Continue in the warning message. The network will go down for two minutes.
3. Under Wi-Fi Networks, tap > next to the Guest Wi-Fi.
4. On the Guest network screen, tap the toggle button next to Enable Network to disable the guest network.

Edit the guest network

1. Tap the Edit icon to edit the guest network.
2. On the Guest Network screen, you can edit the following:

Options

Enable Network

Description

Tap the toggle button to enable/disable the network.

Options

Description

Access Type

Tap **Access Type**. Select one of the following and tap **Save**:

- **Password**: This is the default option. A password is required to access the guest network.
- **Open**: If you select this option, a password is not required to access the guest network. (but you will need to approve the devices that connect before they can use the internet)

Name

Tap **Name**. The guest network has a default name based on the name of your Nokia WiFi network. You can edit the name. Then tap **Save**.

Up to 32 characters (letters, numbers and special characters) are allowed.

Password

This option is visible only if the Access Type is **Password**. Tap **Password**. The guest network has a default password 12345678.

You can edit the password. Then tap **Save**.

- When setting your password, a list of password rules will appear below the password field.
- Each rule is marked with:
 - ✓ Green Check Mark: Rule is met
 - Gray Circle: Rule is not yet met
- These rules update in real-time as you enter or modify your password.

Expires

Tap **Expires**. Select any of the following options to set the time the network will be available: **Never, 1 Hr, 4 HRs, 8Hrs, 1 Day, 1 Week, 1 Month, 1 Year** or **Custom**.

If you select **Custom**, select the date and time that you would like the network to expire.

While changing the network settings, your entire network will go down for two minutes. Tap **Continue** to change the network settings.

Tap the check mark at the top right corner to save the changes.

3. Tap **Share Network** to share the network.

Share the guest network

The guest network can be shared via SMS, email, or other options in the share sheet.

1. Tap the **Share** icon to share the guest network.
2. Select how you would like to share the details of the guest network. For example, text message, email, or other options in the share sheet.
3. Your guest will receive the network name and password (if it is a password-protected network) to login to the network to access the internet.

Enable devices to access an open guest network

1. Tap the **Edit** icon to edit the guest network.
2. On the **Guest Network** screen, swipe down to view the Guest Devices.
3. Tap the toggle button next to a device to enable the device to access the guest network

Share network name and password

In the Nokia WiFi mobile app on the home screen, in the expanded card view of the network card, you can share the network details.

Share the network

The network details (network name and password) can be shared via SMS, email, or other options to enable others to join the home network.

1. Tap the **Share** icon  on the Home Network card in the home screen or Tap the Home Network card in the home screen and tap **Share** icon 
2. to edit the home network.
3. Select the mode to share the details of the home network. For example, text message, email, or other options. Your recipient will receive the network name and password (if it is a password-protected network) to login to the home network.

Need more help?

Call ☎ **130**

///cablenet