

Quick Setup Guide

This guide describes the configuration process for the Sentinel Next devices in collaboration with the **Web Hosted Edition**.

Important!

We offer the option to preconfigure the sensors for you. If you have chosen this option you do not need to perform the setup steps below.

1. Download and install the Sentinel Next App

Go to the Apple App Store on your iOS device and search for “Sentinel Next” or click the link here.
<https://itunes.apple.com/us/app/sentinel-next/id869274966?mt=8>



The app is compatible with any iPhone, iPad, or iPod Touch with iOS version 5.0 or later.

Select the “Buy” option and the app will download and install on your device.

Sentinel Next

By Aginova

Open iTunes to buy and download apps.



[View In iTunes](#)

Description

The Sentinel Next Configuration App allows to display technical information and reconfigure Sentinel Next Wi-Fi sensors.

IMPORTANT – Requires a Sentinel Next sensor to operate.

App displays: product name, product number, connection type, sensor ID, MAC address, firmware version, battery voltage, temperature, humidity.



Configuration Settings: Wi-Fi network, data server IP address, sampling period, connection period (ultra low power mode), DHCP or static IP.

2. Power ON the Sentinel Next sensor



The Sentinel Next comes with a pre-installed with a 3.6V lithium battery.   

Perform the following steps:

- Connect the probe.
- Press the momentary power button  to power the unit on. The LED under the Mode button  will illuminate green.



Note: You can return the sensor to the factory default Direct mode at any time by pressing the mode button.

LED Legend

Mode LED:

- Green: Sensor is in factory default Direct Mode
- Blue (periodic blink): Sensor is configured to post data to a server.


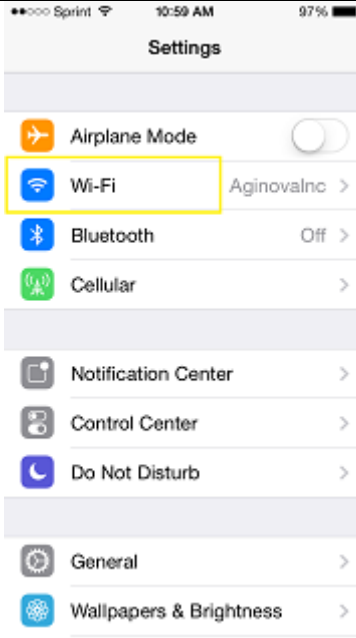
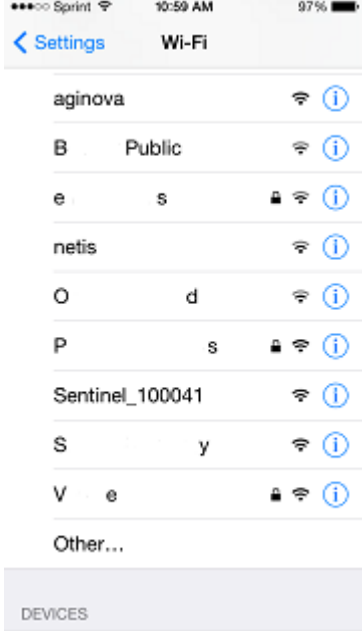
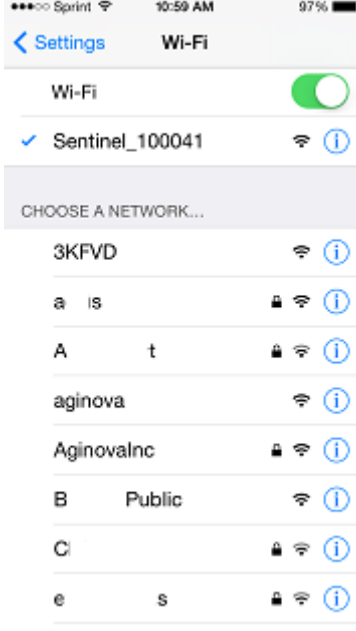
Battery LED:

- Green: Battery is fully charged.
- Red: Battery is charging.


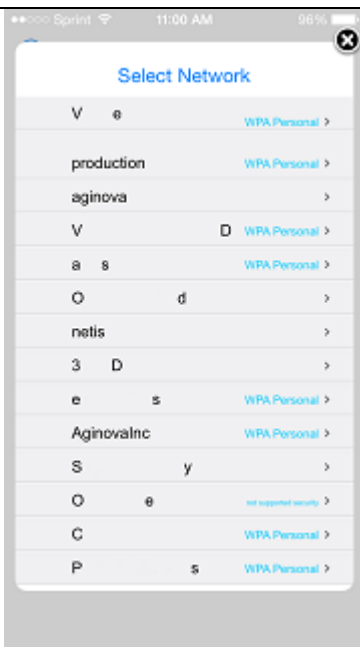
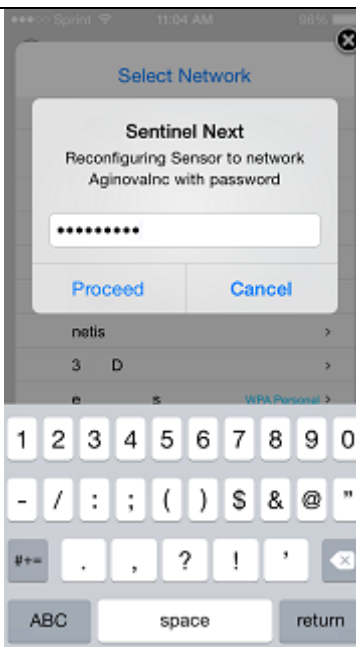
Both Mode and Battery LED blinking red:



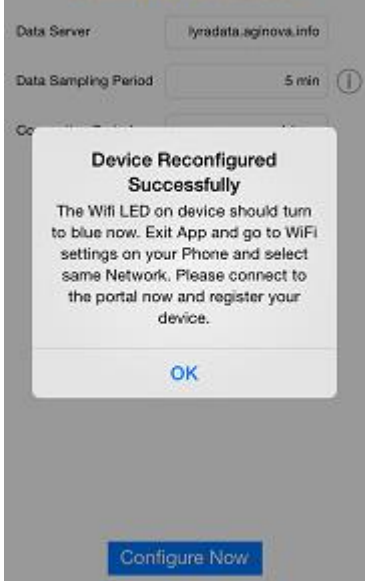
Battery is depleted. Sensor cannot function until battery is recharged (rechargeable version) or replaced (battery only version).

3. Connect to the Sentinel Next with your iOS device.

		<p>On your iOS device, press the Settings icon to open the device settings menu.</p> <p>Then press on Wi-Fi to open the Wi-Fi menu.</p>
		<p>In the Wi-Fi Settings menu, find the Sentinel SSID in the list of available networks. The SSID will be Sentinel_xxxxxx where xxxxxx = the Sensor ID.</p> <p>Select the Sentinel SSID and your device will establish a direct Wi-Fi connection to the Sentinel Next. If you are asked for a password, use aginova1234.</p>

4. Use the app to configure the Sentinel Next

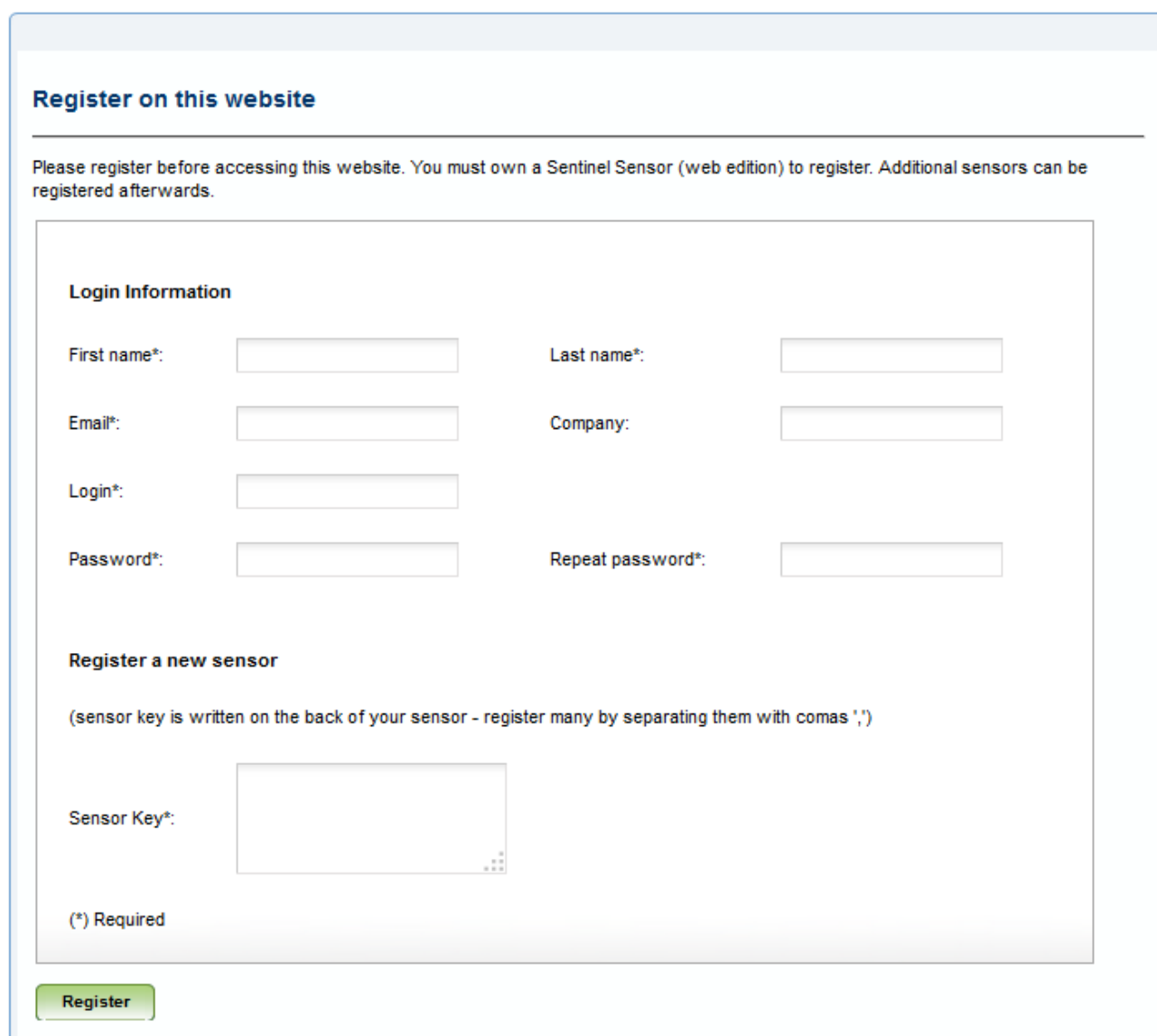
	<p>Sentinel Next Configuration</p> <p>Product Name: Product Number: 312 Connection Type: 1 Sensor Id: 100... Mac Address: 74:6a:89:00:10:62 Firmware: 7.0.10 Battery Voltage: 4.16V</p> <p>Temp Probe 1: 23.73 Temp Probe 2: 0.00 Temp SHT: -- Humidity SHT: 0.00</p> <p>Configure Product</p> <p>Copyright(c) 2014 Aginova Inc. Version 1.0.0</p>	<p>Once connected to the Sentinel Next, open the Sentinel Next app.</p> <p>On the application home screen you will see data relevant to the sensor such as current temperature, battery voltage, firmware version, etc.</p> <p>Press the “Configure Product” button near the bottom of the page to begin setup.</p>
		<p>The Sentinel Next will scan for available Wi-Fi networks and display them on a list. Select the Wi-Fi Network you want it to connect to, then enter any required security and press “Proceed”.</p>

		<p>Unless otherwise instructed by Aginova, leave the Data Server setting to the default value.</p> <p>Select the Sampling Period you want and press Done.</p> <p>Select the Connection Period you want and press Done.</p> <p>Sampling means how often the sensor will collect a data point. Connection Period is how often the sensor will upload the stored data points to the server. No ULP means sensor will send data every time it collects it.</p> <p>You can also set a Static IP address or use DHCP. We recommend using DHCP. Press “Configure Now” to continue.</p>
		<p>The app will display a message indicating the sensor was configured successfully. Press “OK”</p> <p>The Mode LED on the Sentinel Next unit will change from solid green to a periodic blue blink. The Mode LED will blink at the same rate as your selected Connection Period in the previous step.</p>

5. Register your sensor

When configuration is complete, the app will automatically open the Hosted Portal registration page using your iOS device's web browser. You can alternatively open a web browser on an internet connected computer and go to <http://lyra.aginova.info> to complete registration.

If you do not yet have a username and password for the Hosted Portal, click the “You don’t have a login yet?” link on the log in page and follow the instructions to create your login and register your sensor.

A screenshot of a web registration form titled "Register on this website". The form includes a header section with instructions, a "Login Information" section with fields for first name, last name, email, company, login, and password, a "Register a new sensor" section with a sensor key field, and a "Register" button at the bottom.

Register on this website

Please register before accessing this website. You must own a Sentinel Sensor (web edition) to register. Additional sensors can be registered afterwards.

Login Information

First name*: Last name*:

Email*: Company:

Login*:

Password*: Repeat password*:

Register a new sensor

(sensor key is written on the back of your sensor - register many by separating them with comas ',')

Sensor Key*:

(*) Required

Register

The Sensor Key is a numerical value located on the label on the back side of the sensor.

If you are already a registered user on lyra.aginova.info, you can skip this step and simply log in. Once logged in go to the List of Sensors page and click the “Register a sensor” link in the lower right hand corner of the page.

Please refer to the User Guide more for more features like:

- Create other users who can access the data
- Setup alarms
- View reports, export data

6. Troubleshooting

Not able to see any sensor?

Verify the following points:

- Make sure that your WiFi Access Point (AP) can reach the internet
- Verify that the AP is correctly configured (SSID, channels, DHCP, etc). You can use another device (PDA, laptop) to verify that it can reach the internet.

Contact Us

User guides for all products are available online at <http://www.aginova.com/support.php>

For further troubleshooting, contact help@aginova.com.

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