

**SensMax Wi-Fi LR Data Collector**  
**SensMax Wi-Fi SLR Data Collector**  
**SensMax Wi-Fi LR TS Data Collector**  
**SensMax Wi-Fi SLR868 TS Data Collector**  
**SensMax Wi-Fi SLR915 TS Data Collector**

Datasheet



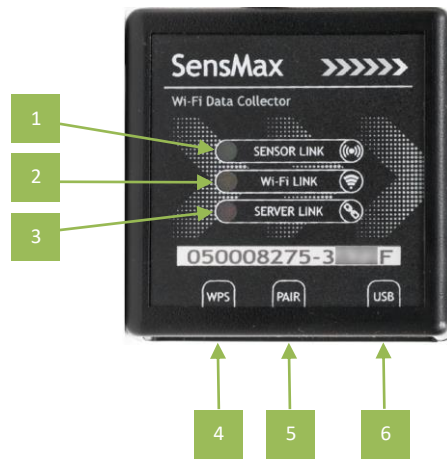
## Description

SensMax Wi-Fi data collector is designed to read the data from SensMax sensors. The data collection is performed using radio channel. The data from the collector is sends to a SensMax Data Server via Wi-Fi communication.

## Technical specification

Model	Range	WiFi	Max. sensors connected	Data protocol	Data memory	Working Frequency, MHz	Power supply	Dimensions, mm	Supported sensors models
SensMax Wi-Fi LR Data Collector	150-250m	2.4 GHz/WPA2-PSK	60	24 h (1 hour step)	250 days	868	5 VDC	66x66x28mm	SensMax S1 LR, SensMax D3 LR, SensMax L3 LR
SensMax Wi-Fi SLR Data Collector	up to 1000m	2.4 GHz/WPA2-PSK	60	24 h (1 hour step)	250 days	868	5 VDC	66x66x28mm	SensMax S1 SLR, SensMax D3 SLR, SensMax L3 SLR
SensMax Wi-Fi LR TS Data Collector	150-250m	2.4 GHz/WPA2-PSK	60	TS (1 sec step)	2000 timestamp records	868	5 VDC	66x66x28mm	SensMax D3 LR TS, SensMax L3 LR TS
SensMax Wi-Fi SLR868 TS Data Collector	up to 1000m	2.4 GHz/WPA2-PSK	60	TS(1 sec step)	2000 timestamp records	868	5 VDC	66x66x28mm	SensMax D3 SLR868 TS, SensMax L3 SLR868 TS
SensMax Wi-Fi SLR915 TS Data Collector	up to 1000m	2.4 GHz/WPA2-PSK	60	TS (1 sec step)	2000 timestamp records	915	5 VDC	66x66x28mm	SensMax D3 SLR915 TS, SensMax L3 SLR915 TS

## Description of SensMax WiFi collector elements



Icon	Status	Description
1. <b>SENSOR LINK</b>	Lights Flashes 3 times per sec Flashes 1 time per sec	The connection with a sensor is established Search for new sensor Online sensors presented
2. <b>Wi-Fi LINK</b>	Lights Flashes 1 time per sec Flashes 3 times per sec	Wi-Fi Network connected Wi-Fi Network not connected WPS mode activated
3. <b>SERVER LINK</b>	Lights	The connection with a server is established
4. <b>WPS button</b>	Short Press	Start WPS process
5. <b>PAIRING button</b>	Short Press Press and hold 10 sec Press and hold 30 sec	Start pairing with sensors Remove all paired sensors Apply Factory Reset
6. <b>USB mini port</b>	n/a	Power and diagnostic connector

## Configuration of the collector SensMax Wi-Fi using web page

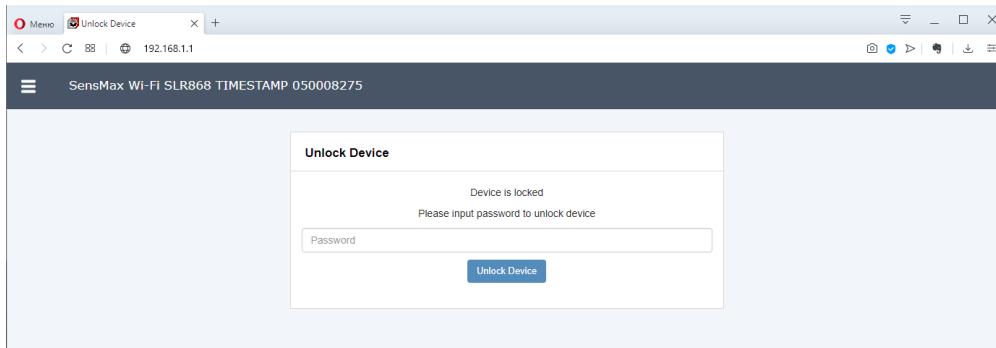
All configurations are available on the collector settings web page.

To access settings web page, please do following steps:

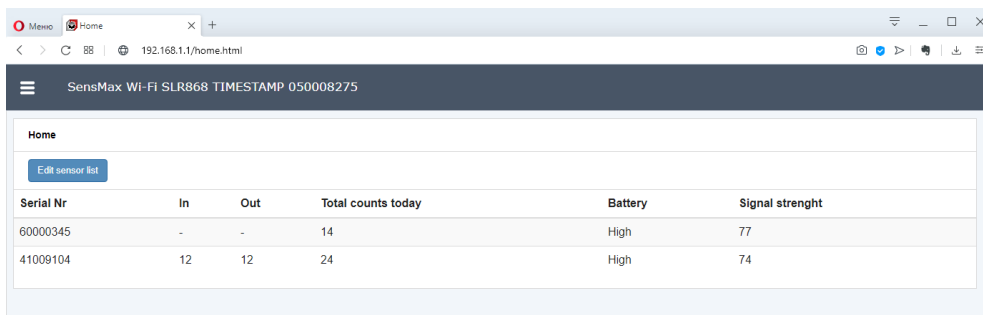
- Connect device to power supply.
- Scan for available Wi-Fi networks on your Laptop or Mobil Phone.
- Connect to Collector AP (AP name is “SensMax XXXXXXXX”).  
The default password is same as collector Serial Number.  
For example, in this document the Collector AP will be **SensMax 050008275**,  
and password will be **050008275**
- Open your web browser.
- Input IP address 192.168.10.1 to address bar and press Enter.

The login page will be opened.

To unlock settings, please input your password again (for this example, password is 050008275).



## Home page



This web page shows all connected sensors and their status.


Also on this page you can manage all sensors connections. Press the **Edit sensor list button** and setup your sensors.

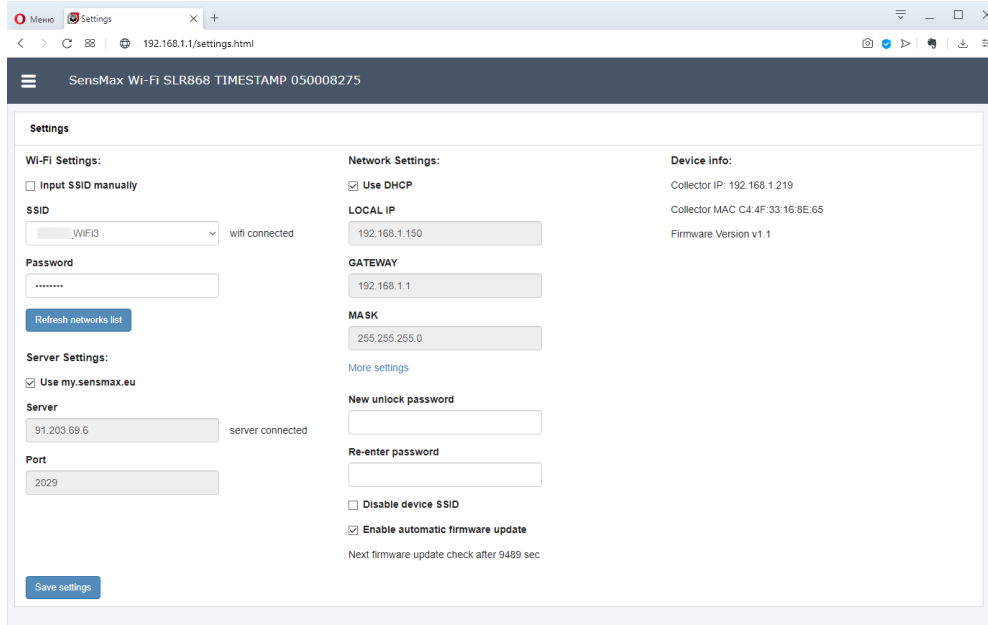
To add new sensor, please input the serial number of sensor and security code. Both are printed on the sensor enclosure.

In case if you cannot find the security code, you can add sensor manually.

Please refer to "Attaching sensors to the data collector" section of this user manual.

## Settings web page

To input on settings page, please press the menu button  and press on **Settings** tab.



All settings will be applied after you press the **Save settings** button.

### Wi-Fi settings

To connect to new Wi-Fi network, please press the **Scan networks** button. After few seconds, all founded networks will be displayed in SSID list. Please choose the correct Wi-Fi network and input password. To connect to hidden Wi-Fi network, please set "Input SSID manually" flag and input desired SSID and password manually.

### Server settings

If **Use my.sensmax.eu** setting is used, collector will be configured for SensMax server. If you use own server, please input server IP and port manually.

### Network settings

If **Use DHCP** selected, all network settings will be obtained from internet router automatically (the DHCP should be enabled in your internet router). Or you can input all network settings manually.

### More settings

#### **PASSWORD:**

Here you can change password which used for collector AP and settings page both. We recommend to change password if you still use default password.

#### **Disable device SSID:**

If this setting selected, you cannot connect to device directly using of connection to collector AP. But if collector already connected to your local network, you able login to settings web page from any PC inside this network. To do this, you will need to input the collector IP address in internet browser.

#### **Enable automatic firmware update:**

If this option set, device will automatically check updates from time to time. If this option disabled, you could check the firmware update manually.

### Device Info

Actual information is displayed here.  
Collector IP - the IP address obtained via DHCP

## WPS function

The WPS function provides easy and secure way to connect the collector to existing Wi-Fi network. The WPS function should be supported by your internet router.

To activate the WPS function, please press the hardware WPS button on the collector. The Wi-Fi Link LED will flash to indicate that WPS mode activated. Now you have 20 seconds to press the WPS button on your internet router.

## Attaching sensors to the data collector

Each sensor must be attached to its collector.  
Following steps must be performed to attach sensors to the collector:

- Insert the batteries in the sensor
- Connect the collector to the power supply/ USB
- Press the pairing button in the collector
- Press the pairing button is located inside the sensor's enclosure

*Note: the alternative way how to pair new sensor with data collector it is using of settings web page (this method will be described below in "Home page" section).*

## Other features

### mDNS

The device supports the mDNS service.

If device connected to local network, it is possible to input device web site, using of XXXXXXXXX.local/ address instead of IP address.

XXXXXXXX - is the serial number. For this example, correct link is **050008275.local/**



### Note:

1. to use the mDNS function on Windows PC, the **Bonjour** service should be installed before.
2. the mDNS service currently doesn't supported on Android devices.  
For Android devices we recommend to use the **BonjourBrowser** app from **Play Market**.