
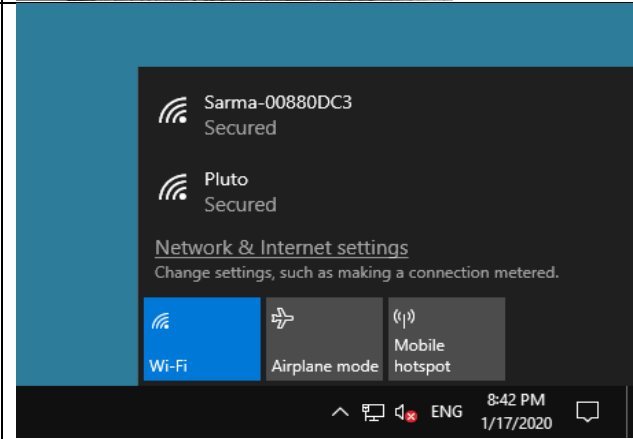
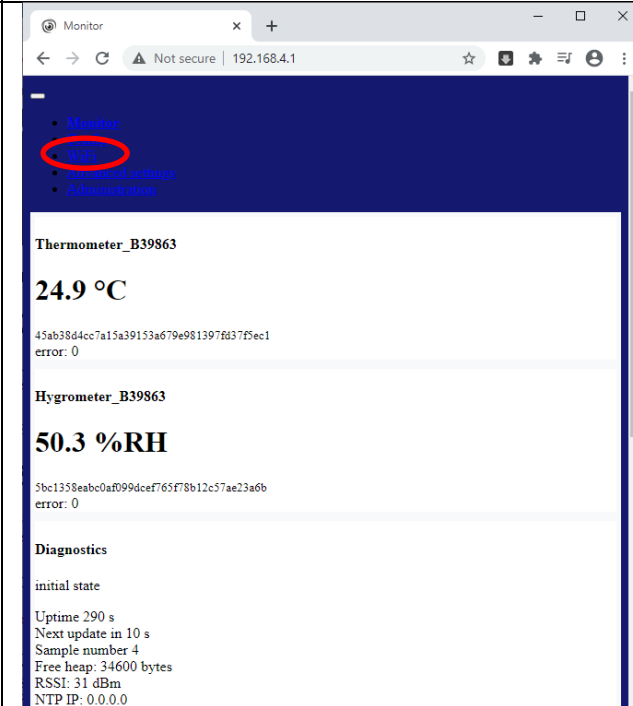
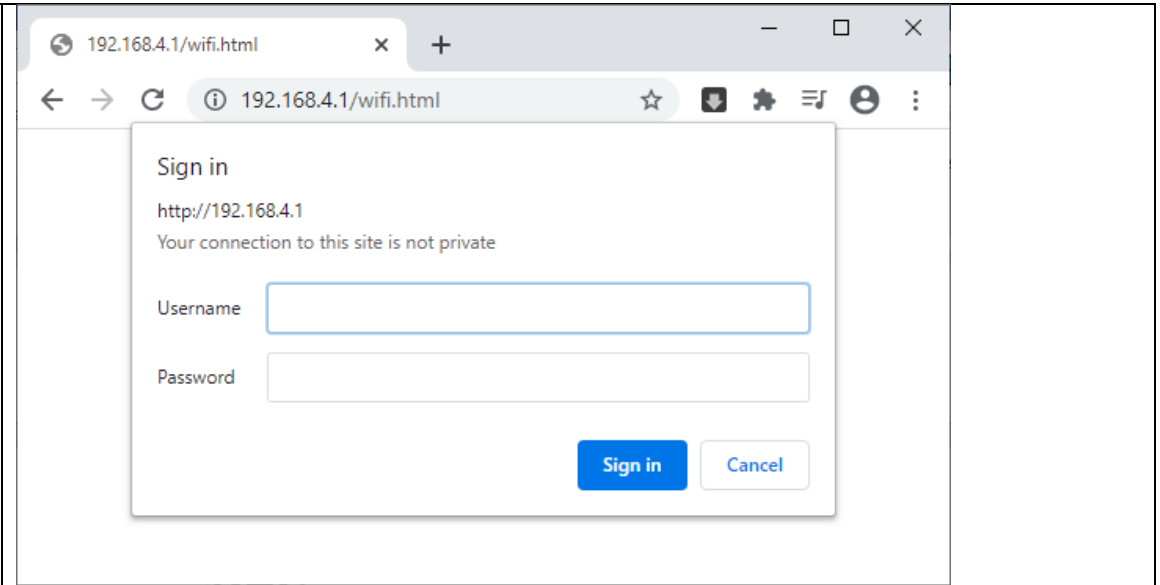


This instruction outlines how to set up SarmaLink WiFi_RHt_001 and WiFi_t_002 thermometer using PC (Windows, MAC, Linux) or Smartphone



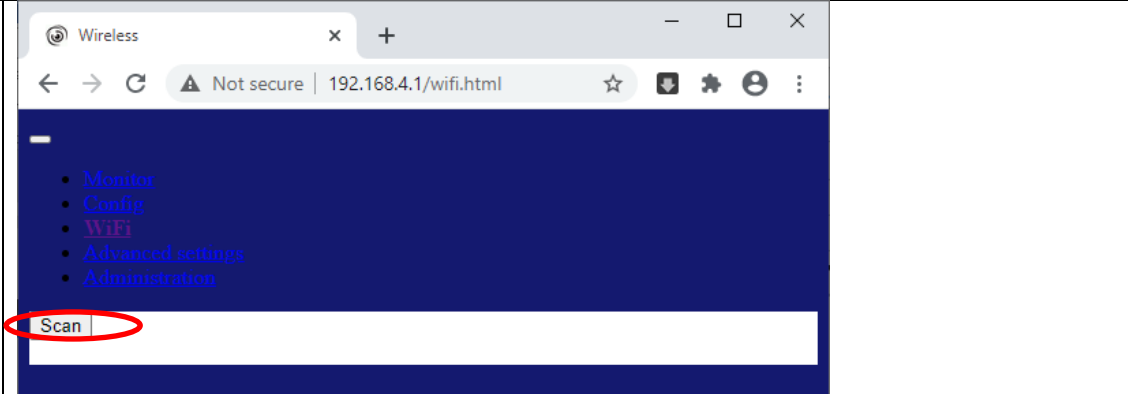
1. Step: Connect and access thermometer

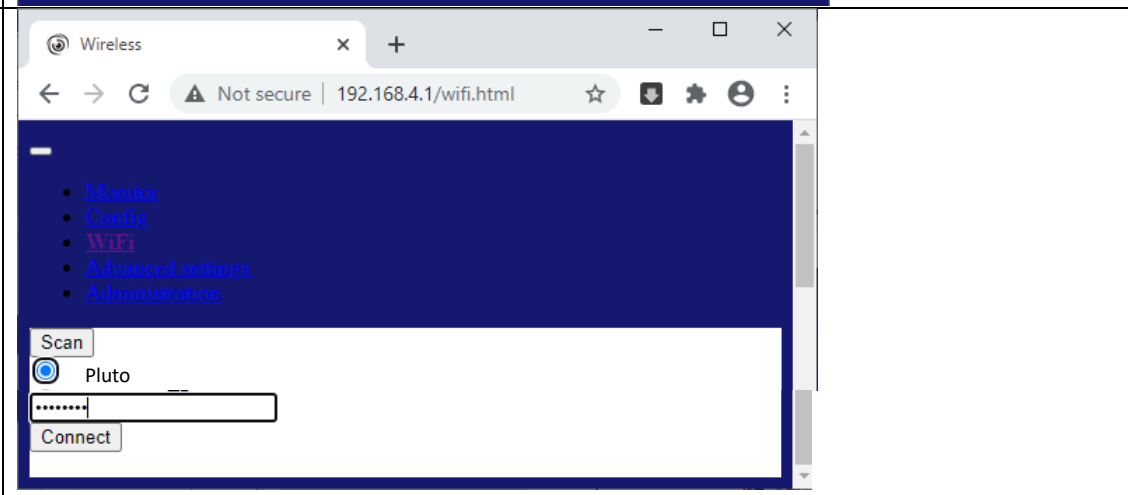
<p>Plug in the device in any USB charger</p>	
<p>Connect to Sarma-00* soft access point (sAP) The sAP password is sarmalink</p> <p>Note, for security reasons, the sAP will turn off automatically after 5 minutes of operation</p>	
<p>In address bar of any internet browser (Firefox, Google Chrome, Safari, Internet Explorer etc.) type address* 192.168.4.1</p> <p>Ignore the readings for now and click on the WiFi link in the navigation bar</p>	

<p>Sign in</p> <p>User: root</p> <p>Password: sarmalink</p>	
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2. Step: Connect and access thermometer (only to set up thermometer as WiFi thermometer)

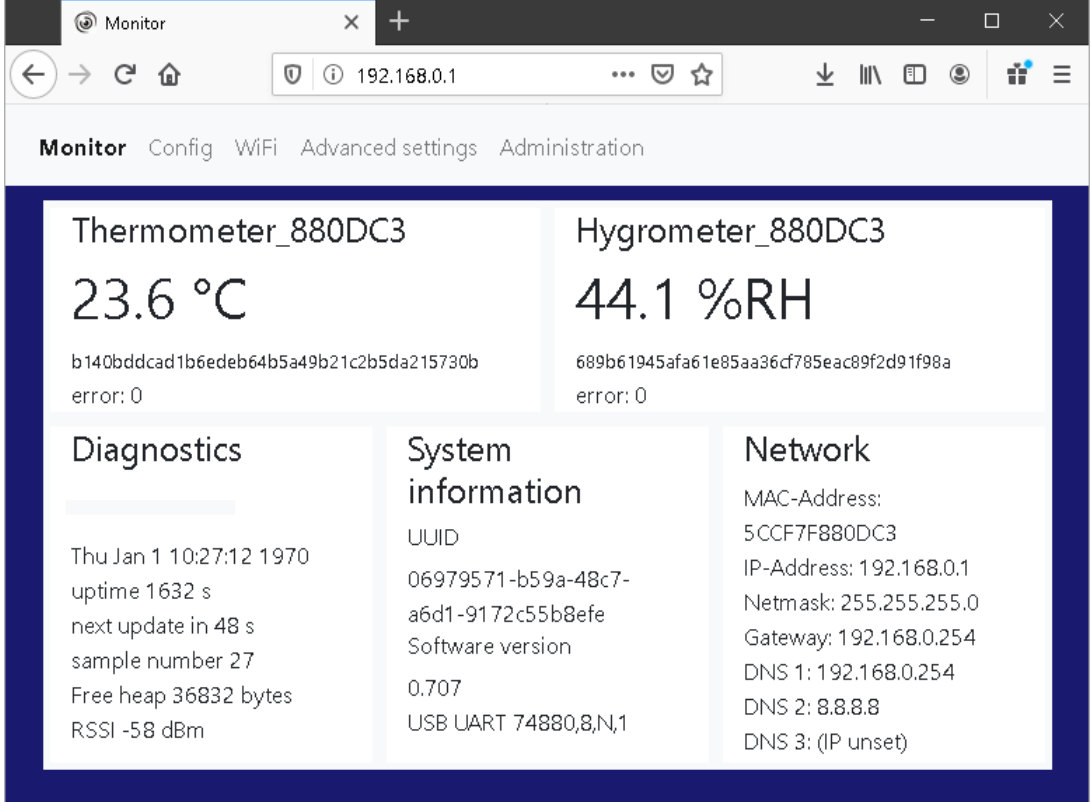
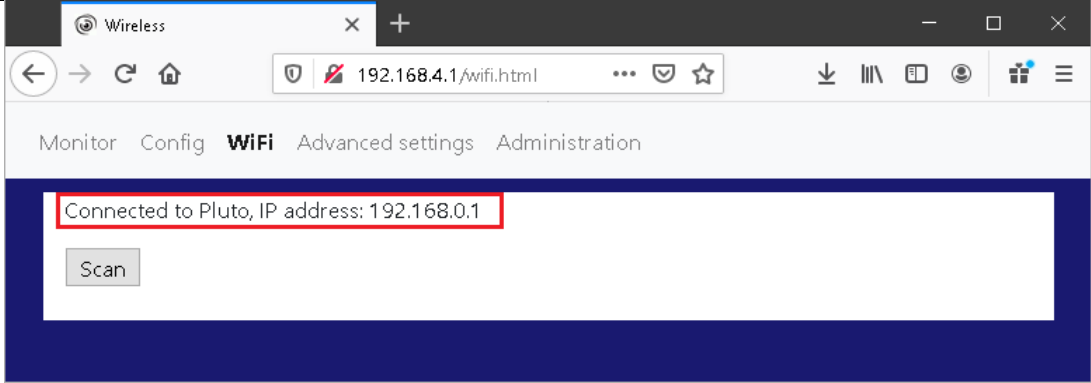
<p>Click Scan</p>	
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<p>Select your WiFi network</p> <p>Input your routers key</p>	
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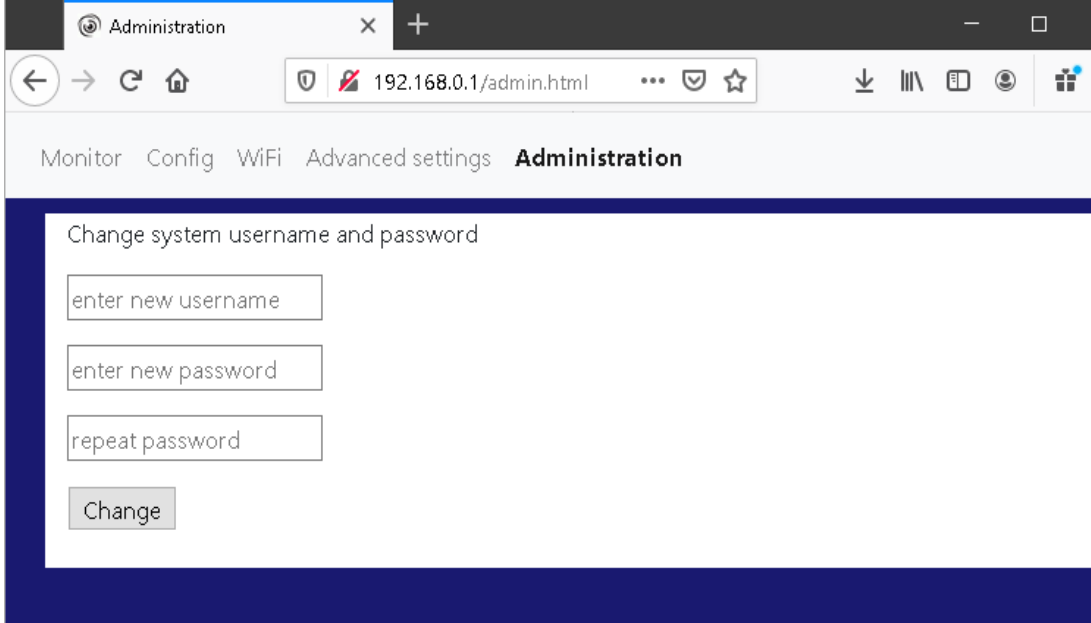
*If the device has been powered up for more than 5 minutes and the connection to your access point was successful, the sAP mode will be turned off and you will no longer be able to access the device using <http://192.168.4.1> address.
If you are unable to find the new ip address from the DHCP server, power-cycle the device and refresh the browser.

Use this IP address to access your device from the local network.

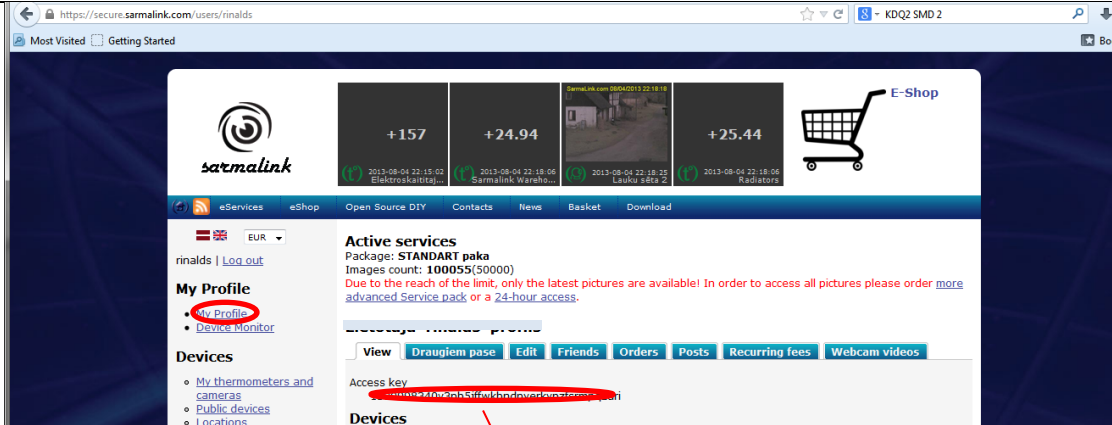
*192.168.4.1 to be used when device is in access point mode, that is activate for 5 minutes after restart.



You may want to change the system username and password

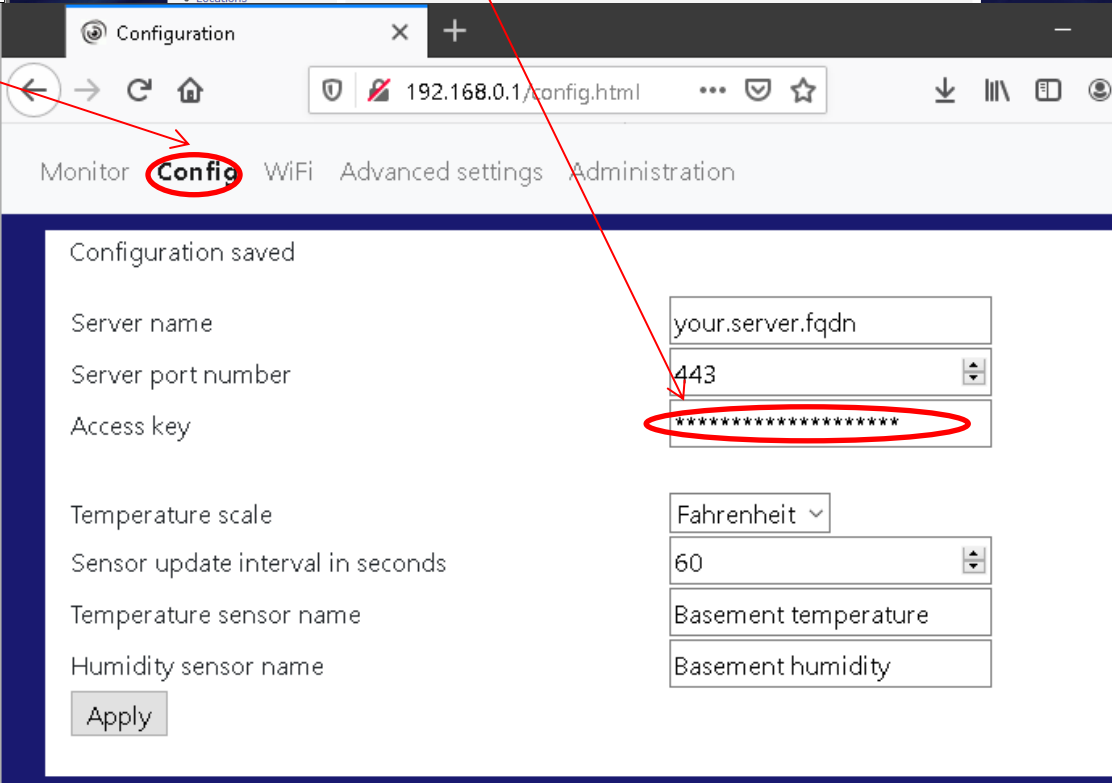


Copy access key, from the Sarmalink.com "My profile"

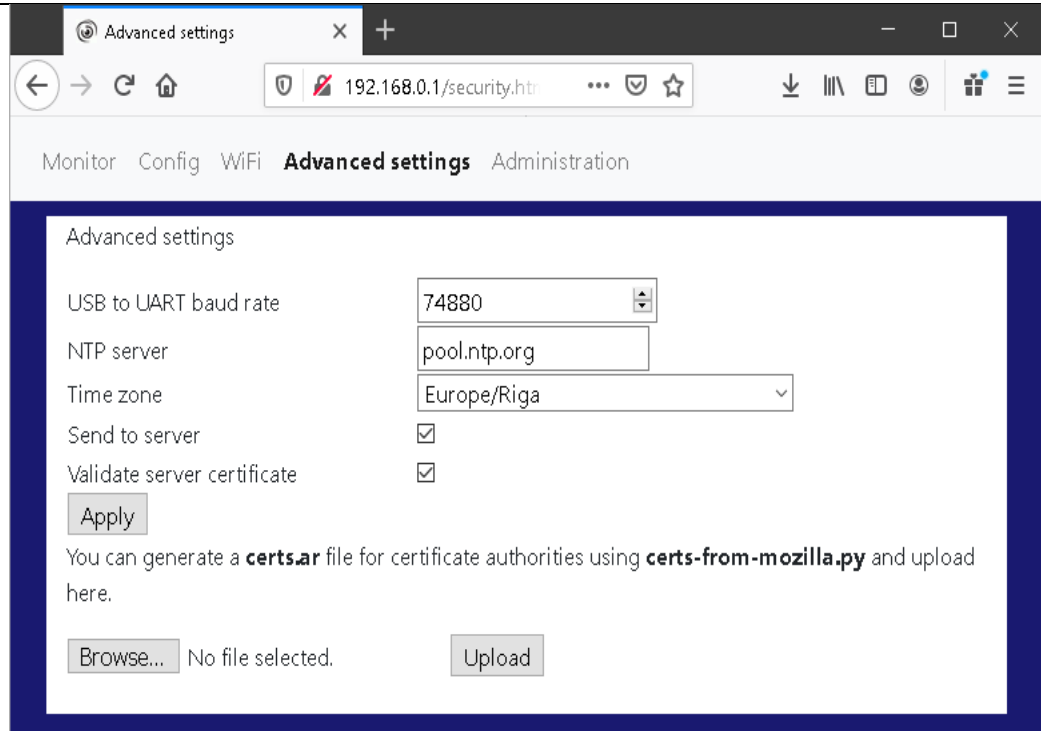


Go to Config section

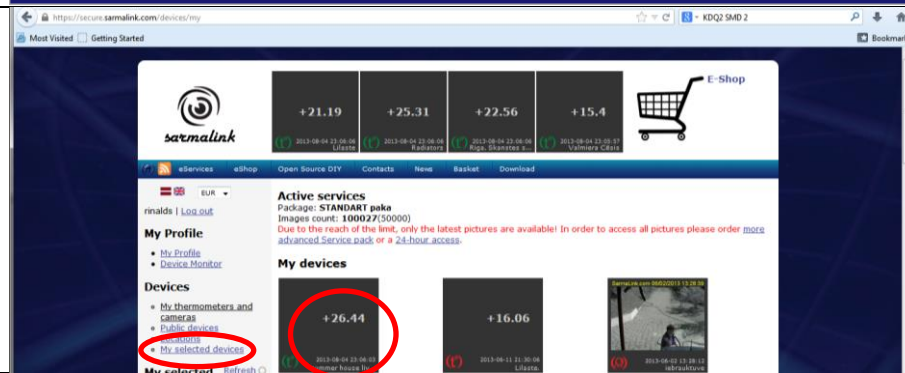
Paste access key



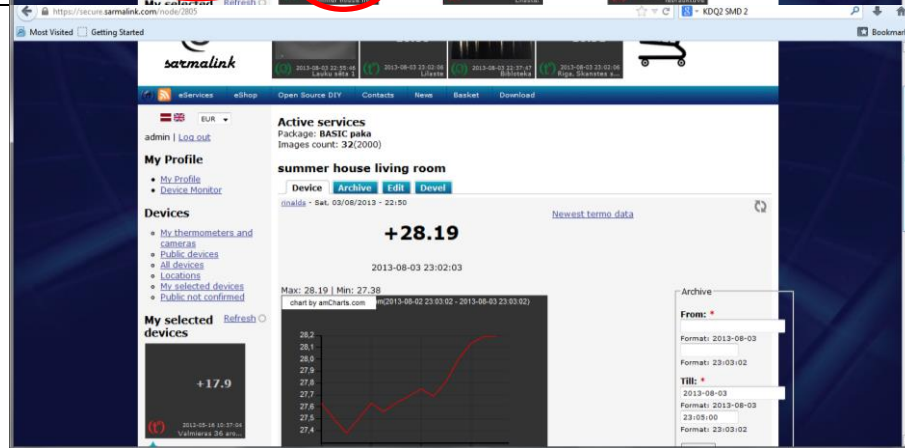
You may want to adjust the time zone and other optional settings. Note that for certificate validation to work, time synchronization from NTP server is usually required.

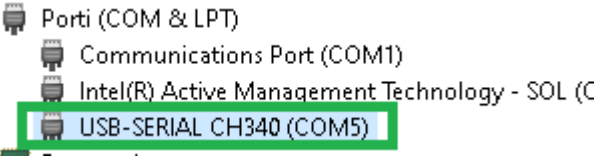
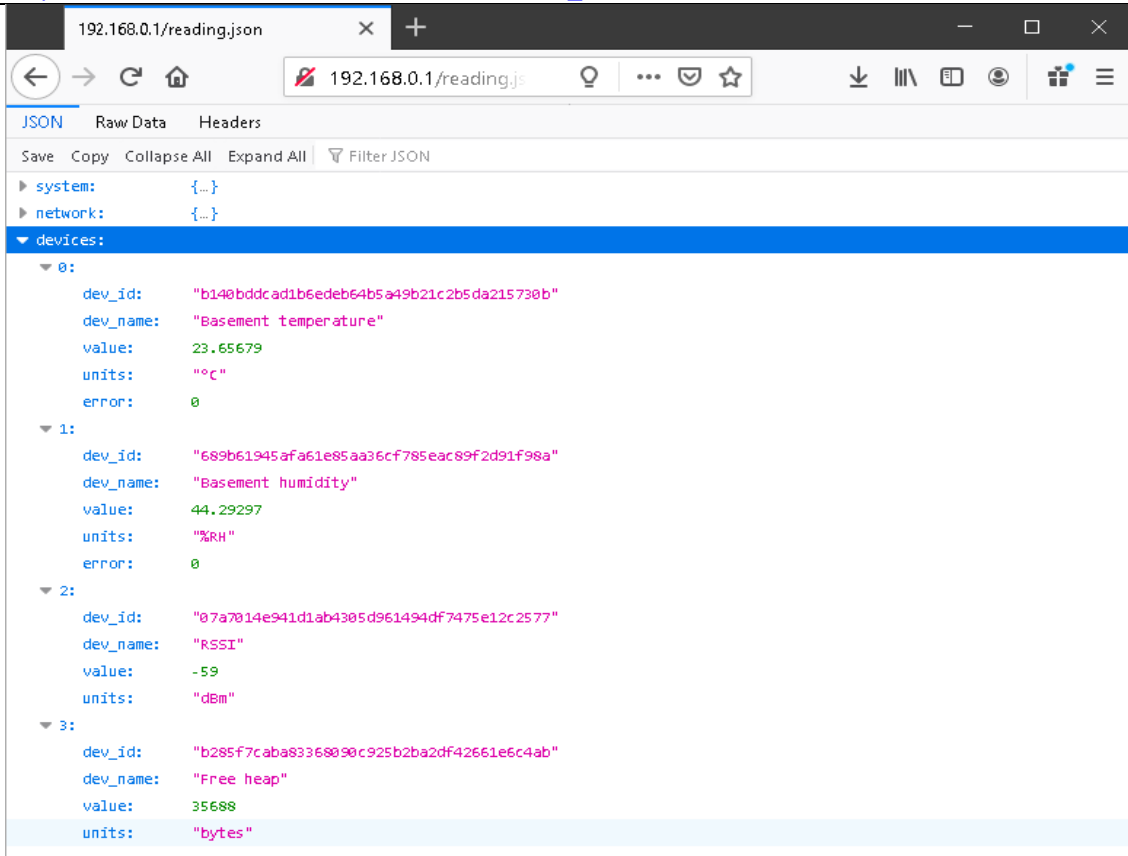


Wait 10 min until device is registered in Sarmalink



Follow measurements on Sarmalink.com



Advanced information	
	<p>If you cannot connect to the device using wifi, it can be configured using usb-serial interface First, find the COM port from windows device manager*</p>  <p>Then connect via terminal emulator, e.g. putty The default baud rate is 74880</p> <p>*Windows 10 normally recognize the device automatically, if not driver can be downloaded from: http://www.wch-ic.com/downloads/CH341SER_EXE.html</p>
<p>The data is sent to the Sarmalink cloud or your private server using secure HTTP POST requests in a self-explanatory JSON format. If you uncheck the "Send to server" option, nothing will be sent out. You can also pull the readings by requesting the reading.json file</p>	 <pre> { "system": { "status": "OK" }, "network": { "somp_n": 1 }, "devices": [{ "dev_id": "b140bddcad1b6edeb64b5a49b21c2b5da215730b", "dev_name": "Basement temperature", "value": 23.65679, "units": "°C", "error": 0 }, { "dev_id": "689b61945afa61e85aa36cf785eac89f2d91f98a", "dev_name": "Basement humidity", "value": 44.29297, "units": "%RH", "error": 0 }, { "dev_id": "07a7014e941d1ab4305d961494df7475e12c2577", "dev_name": "RSSI", "value": -59, "units": "dBm", "error": 0 }, { "dev_id": "b285f7caba83368090c925b2ba2df42661e6c4ab", "dev_name": "Free heap", "value": 35688, "units": "bytes", "error": 0 }] } </pre>
<p>Here is a Python example to do that</p>	<pre> # -*- coding: utf-8 -*- import time import requests import json while True: r = requests.get('http://192.168.0.1/reading.json') j = r.json() print("Sample number:", j["network"]["somp_n"]) for device in j["devices"]: </pre>