

# SIGLINK

TEMPERATURE  
& HUMIDITY  
SENSOR



## Quick Start Guide

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## 1 Introduction

This guide describes how to quickly set up and launch the SIGLINK – temperature and humidity sensor. It also discusses basics of the device operation and options of data visualization. It is not a comprehensive manual.

## 2 Before we start

Let us first explain how the device operates and sends the data:

SIGLINK is a device operating on the Sigfox network, which is an LPWAN network, used for data transfer. The coverage of the Sigfox signal can be verified here:

<https://www.sigfox.com/en/coverage>

Any other information about the Sigfox network can be found here:

<https://www.sigfox.com>

Thanks to this network, SIGLINK does not need any WiFi, telephone operator signal, SIM cards, or Bluetooth connection.

The next section describes how to get the Sigfox network connectivity for your device and visualize your data.

## 3 Sigfox connectivity, data visualization

To get the Sigfox connectivity, collect and visualize your data (temperature and humidity) from SIGLINK, there are several options available:

### 3.1 IoTpool platform (recommended)

This platform was developed by our company (IoT Global Solutions) and is fully compatible and ready for easy integration of SIGLINK sensors. It is a plug and play solution.

By registering the device into the platform, you will automatically get the Sigfox connectivity from us and will be able to visualize your data and manage the sensor. Everything in one place, through the platform.

For more information visit:

<https://www.iotpool.io>

### 3.2 Sigfox backend

If you have your own Sigfox contract, SIGLINK can be registered directly under your Sigfox account at:

<https://backend.sigfox.com>

This option is mainly for developers who want to make their own integration. The data on the Sigfox backend will be shown in raw format. How to decode them is described in our document DG1001 (Device operation and message format).

### 3.3 Other platforms

There are multiple other platforms which can be used for device integration. Some of them provide Sigfox connectivity as well as interface for data visualization, others provide only the data visualization (without the Sigfox connectivity).

Check available platforms at our web page:

<https://www.iot-gsolutions.com/en/siglink-en>

## 4 Powering the SIGLINK sensor

After you gained the Sigfox connectivity (see section 3), the SIGLINK can be switched ON by pulling out the activation strip.

Upon activation, the measured data are immediately sent out and visualized on the portal/platform you have registered the device on.

## 5 SIGLINK installation

To get the best signal performance out of the SIGLINK sensor, the installation should follow the recommendations below:

- Installation position is **vertical** (standing).
- The device is not behind thick walls, in deep cellars or at any places which could cause high signal attenuation.
- Water could damage the sensor. The device should not be exposed to direct rain or snow.

## 6 Troubleshooting

### 6.1 How can I get the data out of the device?

Please see the section 3 in this guide. You have to get the Sigfox connectivity for your sensor. It can be done through our IoTpool platform, directly through Sigfox or through any other third-party platform.

## 6.2 I have the Sigfox connectivity, device is powered, but I don't see any data on the portal/platform.

It can have several reasons. To find the problem, follow the next steps:

1. Check if your location has a Sigfox signal coverage on: <https://www.sigfox.com/en/coverage>
2. Take the device outside and keep it in a vertical position (to increase a chance of having a good signal).
3. Open the device, remove the battery and after 10 seconds place the battery back.
4. If the battery is in place, the red LED should be flashing. If not, the **device is faulty, or the battery is discharged.**
5. Keep the device outside in a vertical position until the red LED stops flashing (takes up to 3 minutes).
6. Go to the portal/platform again, refresh the page and check if any data has come through.
7. If there is no data, **check with your portal/platform provider** if your device has a Sigfox connectivity activated and the platform/portal is ready to receive the data.
8. If you are sure there is no problem with the platform/portal or the Sigfox connectivity, the problem is most likely related to a **low Sigfox signal** in your area. Try to move the device to a location with better signal coverage or contact our support team.

**Revision History**

Change Description	Author	Version No.	Date
Initial Draft	Daniel Stepan	1.0	29/February/2020