AGUARDIO **PIPE SENSOR**

(FORMERLY REFERRED TO AS AGUARDIO LEAK SENSOR)

Placement & Activation Guide

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1. Placement

1.1 Contents of the product package

Each individual package contains a Pipe Sensor and a plastic tie. For large quantity packages, Pipe Sensors may be individually wrapped in plastic bags and accompanied by separately packed plastic ties.

Aguardio Pipe Sensor

Plastic tie

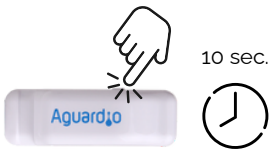
1.2 Registration of the Pipe Sensor

Prior to proceeding with the physical installation, we kindly request that you register the Pipe Sensor location. This registration is essential for effective leak detection. *Note: This step can also be completed or adjusted later in the process; However, we recommend not delaying.*

Click here to download registration form

1.3 Activation of the Pipe Sensor

Activate the Pipe Sensor by pressing and holding the button on the side of the sensor for 10 seconds. before placing it on the pipework. This step will enable immediate collection of data.



1.4 Placement of the Pipe Sensor

Select a position for sensor on the water inlet pipe to the toilet:

- The sensor should only be fitted on copper or steel pipework
- Do not fit Pipe Sensor on plastic pipework
- Ensure that the sensor's grey thermal sponge is fitted against the pipe, or metal surface
- It is recommended to install the sensor on pipes ranging from 8 to 25 mm, to ensure that the thermal pad is in direct contact with the pipework.

Secure the plastic tie:

- Wrap the plastic tie loosely around the pipe, allowing enough room to position the sensor inside the loop
- Gradually tighten the plastic tie to firmly affix the sensor to the pipework.

Tip: *If you need extra security to fasten the Hygiene Sensor, you can use any type of generic zip tie as an additional measure.*

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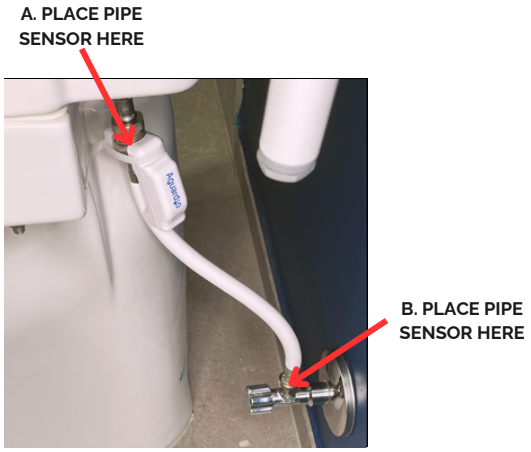
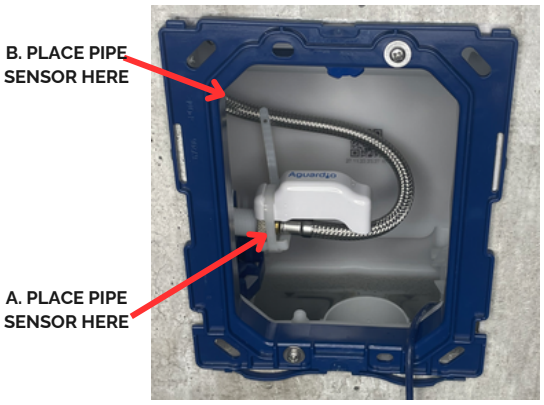
A. Placement of the Pipe Sensor on a free-standing toilet:

Click here to see video guide

Or scan QR- code:



B. Placement of the Pipe Sensor on a wall-mounted toilet:



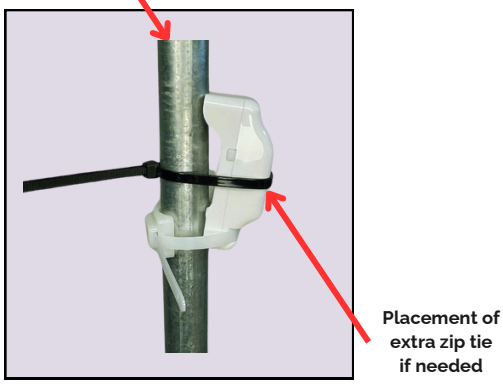
Click here to see video guide (wall-mounted)

Or scan QR code:

C. Placement of the Pipe Sensor on water pipes:

Click here to see video guide

Or scan QR code:



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Placement & Activation Guide

2. Data collection

2.1 Aguardio app

2.1.1 Download Aguardio Connected Solution App

See APP video guide here

Or scan QR code:

1.

Desktop links:

2. Download on the App Store | GET IT ON Google Play

3. **Aguardio Connected Solutions**

2.1.2 Log in to the app

Click here to download APP guide

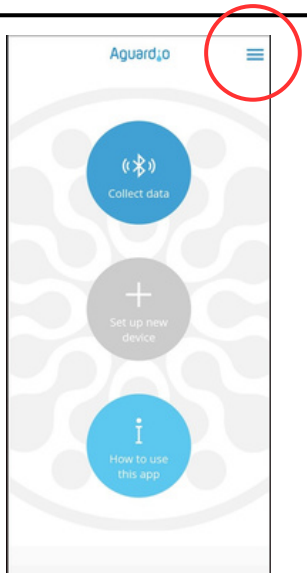
Log in to the app with these credentials:

Username: setup@aguardio.com
Password: SuperDemo

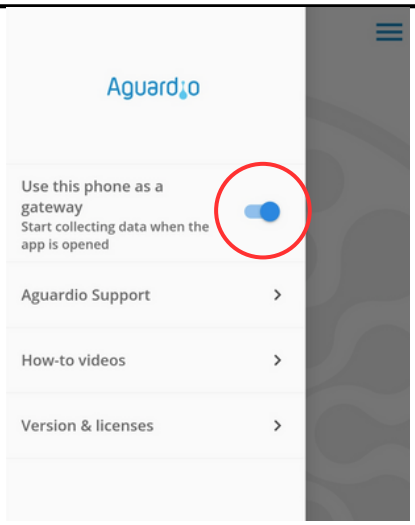
2.1.3 Activate the app

Activate "Gateway" mode on your device

Remember to enable "Bluetooth" mode on your device for the APP to work



Press the "user menu" in the top right corner.



Press the "user menu" in the top right corner.

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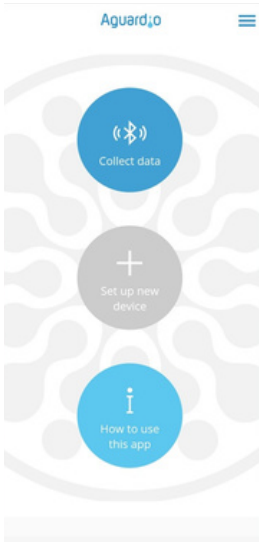
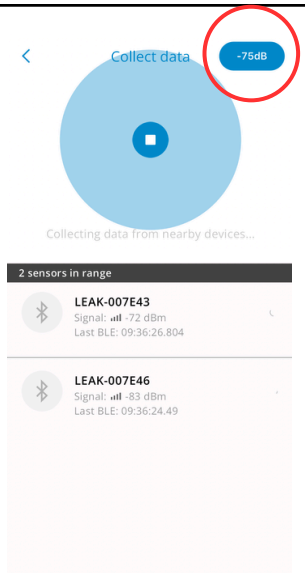
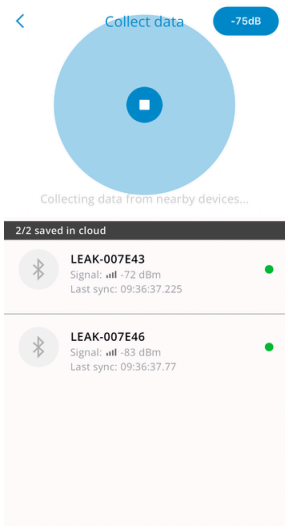
2.1.4 Data Collection



Click "Collect Data"



Choose the desired Bluetooth range by clicking on the blue icon in the upper-right corner. If you are close to sensors, we recommend starting from -65 dBm. Wait until the data from the detected sensors are collected, then increase the Bluetooth range incrementally. This approach allows you to collect data from the nearest sensors first, ensuring better and faster data retrieval.



After successfully collecting data, the sensor will be moved to the bottom of the list, categorized under 'Saved in Cloud.' There, you will see only a green light and a timestamp indicating the last synchronization of data, referred to as 'Last sync'.
If you want to clear the list of sensors that you collected data from, please, close and reopen the app.

Useful and practical tips for collecting data

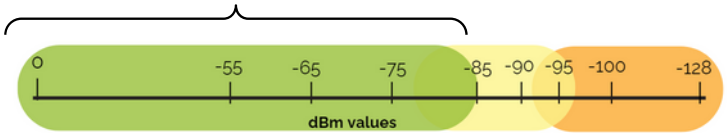
Click here to download APP guide

- Set the app on -65dBm, then the app collects data from the nearest sensors first. If the app stops detecting new sensors, increase the Bluetooth range incrementally. This can be done by tapping the blue icon in the upper-right corner of the app. After increasing the range, continue moving at a gentle pace. Pause briefly to allow the app to collect data from any newly visible sensors.
- If you set the app to -95 or -128 dBm, it will detect all the sensors within the Bluetooth range. If you have many sensors installed, this can overload the app, causing difficulties in establishing connections with the sensors.
- If you see a long list of sensors, perhaps 10-20, all showing as 'green' in the app, it might become difficult to manage further data collection effectively. In this case, it is advisable to close and reopen the app.
- If your sensors show a red indication or show no indication, try to move closer to the sensor, or increase a Bluetooth range in the app.

dBm- number

In Aguardio app you can select the desired Bluetooth range. The possibilities are -65dBm, -75dBm, -85dBm, -90dbm, -95dBm, & -128 dbm. Please see the table below for reference.

*The closer the value is to **0**, the stronger the signal.*



I-85 dBm and below is the strongest range for data collection. Between -85 and -95 dBm, it may be challenging to collect data. Above -95dBm, data collection is most likely not possible.

To obtain a stronger Bluetooth signal, try the following:

- *Move closer to the sensor*
- *Remove objects that might disrupt the Bluetooth connection, for example, open any doors in the signal pathway.*

2.2 Gateway

- Data from Aguardio's Pipe Sensor can be collected automatically via a Gateway. The Gateway uses NB-IoT/LTE-M sitgnal to transmit a data
- The Gateway can be paired with up to ten Pipe Sensors. It connects to the sensors via Bluetooth, requiring the sensors and the Gateway to be within Bluetooth range of each other (approximately 5-10 meters).
- The Gateway is configured to deliver data four times a day, though the frequency can be adjusted based on wishes/needs.
- Only the Aguardio Team can modify the pairing of the Pipe Sensors and Gateway.

2.2.1 Gateway Activation

- If the pairing wasn't discussed with Aguardio in advance, please specify to which Gateway each sensor has to be paired
- Once the sensors are installed and the Gateway is placed in the intended location, please press the button on the Gateway to activate it.
- The Gateway should start flashing blue, and after a couple of minutes, it will display a green light to indicate a successful activation.

3. Access data in Aguardio HUB

To learn more about how to access your bathroom data and use it to optimise building maintenance, please download "Aguardio HUB" guide.

PDF **Click here to download HUB guide**