![Pulsa logo]

Setting Up a Pulsa Frontier

Follow these steps to set up your Pulsa Frontier device and connect it to the Pulsa App or Desktop interface:

1 Locate and Register the Main Port

Note: Do NOT physically connect any sensors to the port(s) until after the registration of the port(s) are completed on the Dashboard/App.

- Find the **Main Port QR Code** on your Pulsa Frontier device.

- **If using the Pulsa App:**

  - Scan the Main Port QR code directly in the app.

- **If using a desktop interface:**

  - Navigate to the **"Register Sensor"** tab by clicking the **"+ Add"** icon in the top-right corner of the Sensors page.

  - Enter the **Main Port's Sensor ID** and **Serial Number (S/N)** manually.

2 Assign a Port Name

- Assign a unique name to the Main Port.

- If you scanned the QR code, the Port ID and Serial Number fields will automatically be pre-filled.
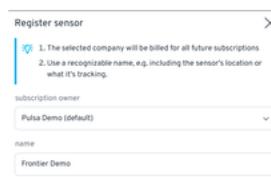
![Pulsa logo]

3 Choose Ports to Register

- Decide whether to:

    - Register **only the Main Port**, or

    - Register **both the Main Port and the Second Port**.

Note: If only one Port will be utilized/registered, it will need to be the main port.
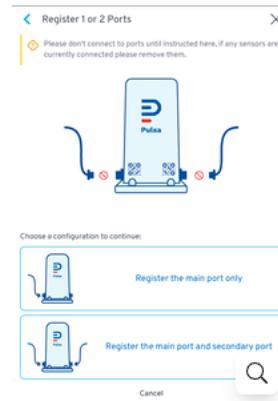
4 Configure the Main Port

- Select the **sensor type** you'll connect to the Main Port.

- Confirm the following details for the sensor:

    - **Manufacturer**

    - **Model**

    - **Sensor output signal range**

- Enter the **measurement range** and specify the units. The measurement range of the sensor may differ from the empty and full capacity of the container.

Note: Please ensure that the port configurations are correct. Selecting the wrong sensor type or entering inaccurate signal ranges can potentially damage your sensor.

5   Configure the Second Port (if applicable)

- If registering both ports, assign a name to the **Second Port**.

- Enter the Second Port's **Serial Number**.

- Set up the Second Port similarly to the Main Port by:

  - Selecting the sensor type.

  - Confirming the manufacturer, model, and sensor output signal range.

  - Entering the measurement range and units.

6   Review Port Configurations

- Review the configurations for the Main and/or Second Port(s).

- Choose the desired operational mode:

  - **Low Power Mode**: Maximizes battery life:

    - measures are taken every 15 minutes

    - Uploads every 12 hours

  - **High Frequency Mode**: Offers more frequent data uploads but reduces battery life.

    - Measures are taken every 10 minutes

    - Uploads every hour

![Pulsa logo]

7 Connect to a Product

- Attach the sensor to an existing product or create a new product for the consumable to be tracked by the Main Port/Second Port.
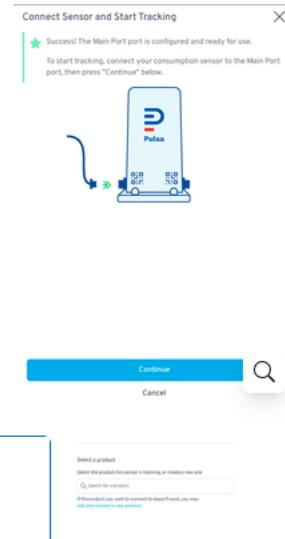
8 Final Review and Dashboard Access

- Verify the final **Port Configurations** and **Product Settings**.
- View your Frontier Ports on the Pulsa Dashboard!

Software Setup is now complete! 🎉 **You may now proceed to physically connect your sensor(s) to the port(s).**
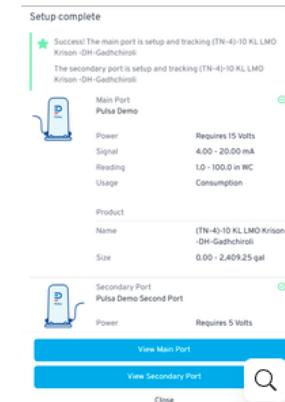
9 Physical Installation of the Pulsa Froniter Device (Recommended to do after Dashboard Set Up/Registration)

- Secure the metal bracket onto the Frontier device via the sliding mechanism.

- Place the frontier device on or near the tank and secure it via the bracket by using your selected method:

  - Zip Ties

  - Screws

  - Magnet (sold seperately)

10 Verify that the Frontier and Sensor is Working as Expected

After the wiring is completed, plug in the connector to the respective port on the Pulsa Frontier and verify that the sensor is working as expected by scanning the port(s) in use and using the dashboard to confirm:

- - The Frontier port(s) are seen

  - The measures received for the port(s) are accurate to your gauge or expected values

- If your Frontier port(s) is not seen, or providing unexpected measures, check out our troubleshooting guide, or contact Pulsa Support (916) 579-7267 / support@pulsasensors.com
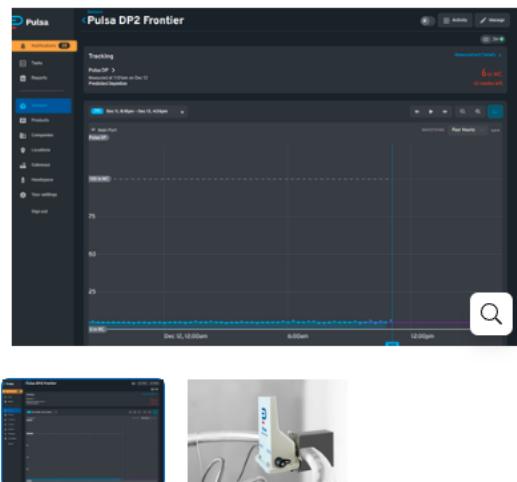
FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

· Reorient or relocate the receiving antenna.
· Increase the separation between the equipment and receiver.
· Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
· Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

ISED Statement

English:This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.
The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).
French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.
L'exploitation est soumise aux deux conditions suivantes :
(1) Cet appareil ne doit pas provoquer d'interférences.
(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.
l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).
This device meets the exemption from the routine evaluation limits in section 6.6 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.
cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 6.6 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.
This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.
Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

nuisibles aux systèmes mobiles par satellite cocanaux.
This radio transmitter has been approved by Industry Canada to operate with the antenna
types listed with the maximum permissible gain indicated. Antenna types not included in this
list, having again greater than the maximum gain indicated for that type, are strictly prohibited
for use with this device.
Le présent émetteur radio a été approuvé par Industrie Canada pour fonctionner avec les
types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types
d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué,
sont strictement interdits pour l'exploitation de l'émetteur.