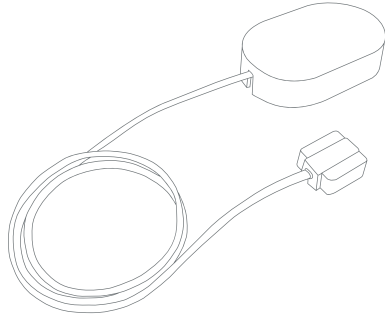


Electricity Meter Interface 2, LED

Who's your friend Product info



The Electricity Meter Interface collects readings from your existing electricity meter and via a compatible hub, the data is sent to a connected device, e.g. your smartphone.

This way, the Electricity Meter Interface enables you to follow your electricity consumption remotely.

Now that's a friend!

Technical specifications

Radio Frequency:

- Frequency band: 2405 MHz – 2480 MHz
- Maximum transmit power: 7.92dBm EIRP(EU/UKCA)

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friend assumes no responsibility for any errors, which may appear in this manual. Furthermore, friend reserves the right to alter the hardware, software, and/or specifications detailed herein at any time without notice, and friend does not make any commitment to update the information contained herein. All the trademarks listed herein are owned by their respective owners.

Distributed by friend

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Getting started. Step-by-step

How to get started, where to place your device and precautions.

Precautions

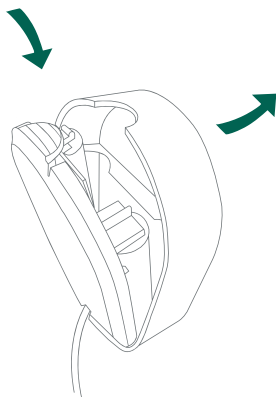
- Do not remove the product label as it contains important information.
- It is a good idea to take a picture of the electricity meter before installation so you can save the number of imp/kWh. Occasionally, the number is close to the LED and by attaching the probe you might cover the number.

Placement

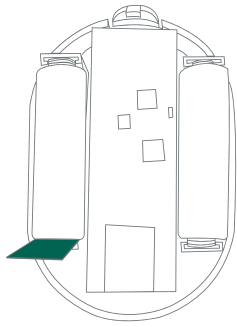
Place the Electricity Meter Interface indoors at a temperature between -20 and +60°C, close to the electricity meter.

How to get started

1. Open the casing of the device by pressing the button and removing the lid.



2. Remove the battery pull tap.



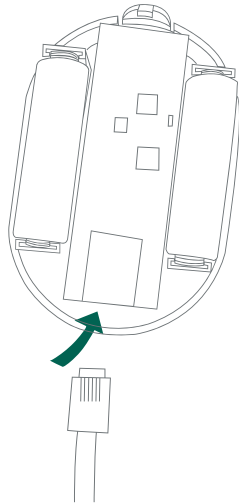
3. The Electricity Meter Interface will now start searching (up to 15 minutes) for a Zigbee network to join.
4. Make sure that the Zigbee network on your hub is open for joining devices and will accept the Electricity Meter Interface.
5. While the Electricity Meter Interface is searching for a Zigbee network to join, the LED flashes yellow.



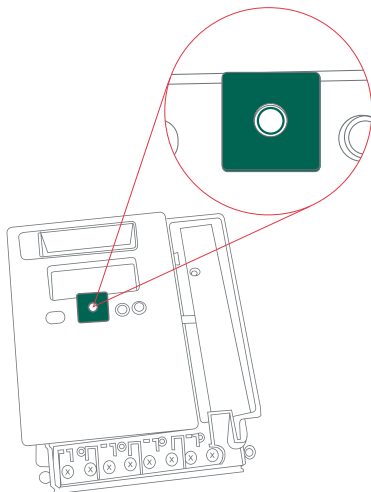
Installation steps

The Electricity Meter Interface is equipped with an optical probe that is easily attached to your meter.

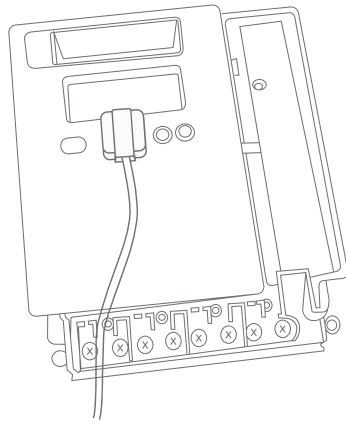
1. Insert the end of the probe into the indicated socket on the Electricity Meter Interface. The casing needs to be removed to insert the probe.



2. Peel off the slip of the black metal plate to expose the adhesive.
3. Place the hole in the metal plate directly over the flashing LED labeled imp/kWh on your meter. Be as precise as possible when placing the hole over the flashing LED to ensure the best reading. If your meter does not have a LED labelled imp/kWh, please consult your meter's manual for the placement of the LED. If in doubt, wait up to 1 minute to see which LED is blinking on your meter. The LED will blink when you are consuming energy.



4. Attach the probe to the metal plate using the embedded magnets in the probe. Please ensure that the probe is attached properly to the metal plate.



5. Mount the EMI 2 device with either a screw or the adhesive found in the box.

Battery replacement and resetting

How to change batteries and reset your Electricity Meter Interface.

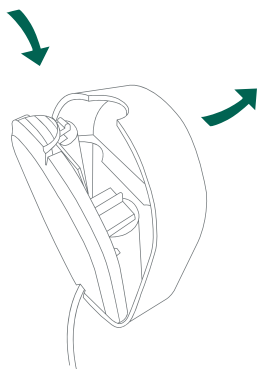
Battery replacement

CAUTION:

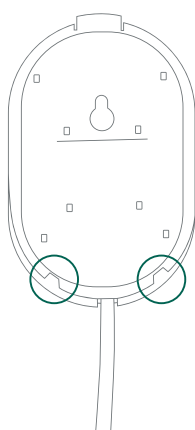
- RISK OF EXPLOSION IF THE BATTERIES ARE REPLACED BY AN INCORRECT TYPE. DISPOSE OF THE BATTERIES IN ACCORDANCE WITH INSTRUCTIONS.
- DISPOSAL OF A BATTERY INTO FIRE OR A HOT OVEN, OR MECHANICALLY CRUSHING OF A BATTERY, CAN RESULT IN AN EXPLOSION.
- LEAVING A BATTERY IN AN EXTREMELY HIGH TEMPERATURE SURROUNDING ENVIRONMENT CAN RESULT IN AN EXPLOSION OR THE LEAKAGE OF FLAMMABLE LIQUID OR GAS.
- A BATTERY SUBJECTED TO EXTREMELY LOW AIR PRESSURE MAY RESULT IN AN EXPLOSION OR THE LEAKAGE OF FLAMMABLE LIQUID OR GAS.

CAUTION: When removing cover for battery change - Electrostatic Discharge (ESD) can harm electronic components inside.

1. To remove the batteries, open the casing of the device by pressing the button and removing the lid.



2. After removing the used batteries, insert new AA-batteries respecting the polarities.
3. Close the casing of the device. Make sure that the lid is inserted correctly into the two locking mechanisms highlighted in circles.



Resetting

Resetting is needed if you need to reconnect your Electricity Meter Interface or if you need to perform a factory reset to remove abnormal behavior.

Steps for resetting

1. Open the casing of the device.
2. Press and hold the menu button until the LED flashes numerous times in a row, and then release the button again.
3. After a successful reset the yellow LED will start flashing which indicates network search.

[Fault finding. Have in issue?](#)

Having trouble with your Electricity Meter Interface 2? Try this:

- If the EMI does not send correct meter data, check that the probe is mounted correctly to the meter.
- In case of a weak or a bad signal, change the location of the connected hub or strengthen the signal with a Zigbee-based range extender.

Disposal. How to say goodbye

How to correctly dispose of this frient

Dispose the product and any batteries properly at the end of life. This is electronic waste which should be recycled.

CE certification

This frient is CE certified.

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized standards and specifications.



Hereby, frient declares that the radio equipment type EMIZB-141 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.http://frientcom/electricity-meter-interface-2-LED](http://frientcom/electricity-meter-interface-2-LED)

UKCA certification

Hereby, frient declares that the radio equipment type EMIZB-141 is in compliance with UK Radio Equipment Regulation 2017. The full text of the UK declaration of conformity is available at the following internet address: [www.http://frientcom/electricity-meter-interface-2-LED](http://frientcom/electricity-meter-interface-2-LED)



Zigbee 3.0 certification

This frient is Zigbee 3.0 certified.

Statements for Electricity Meter Interface 2

FCC Statement

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

When the sensor is connected to a network, it will stop flashing. 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.

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

IC 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.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Français

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

ISED Statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).