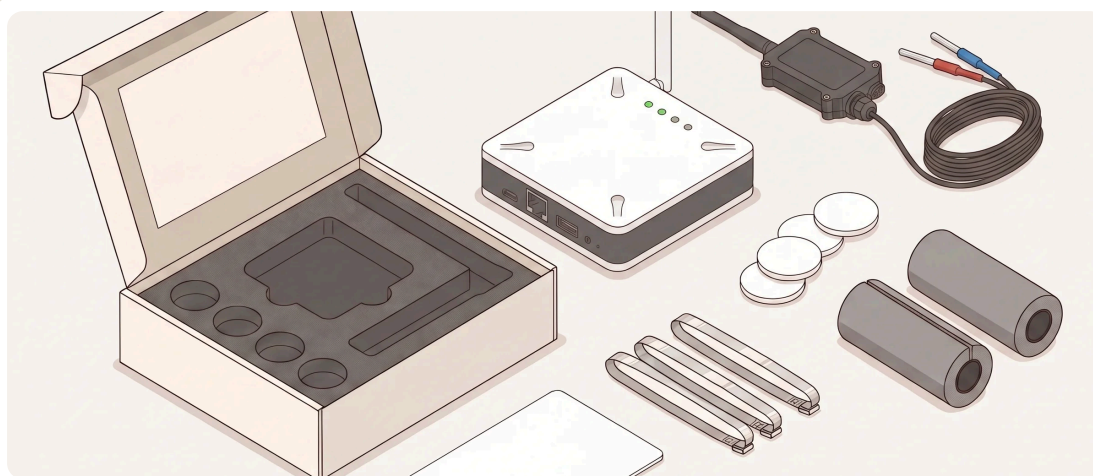


From box to a logbook that writes itself.

No installer, no toolbox, no technical knowledge. You mount it in half an hour and after that the logbook does the work.

In this guide

01 Placing the gateway	5 min
02 Fitting the sensors	10 min
03 Sticking the flushing tags	10 min
04 Check and done	3 min



Before you start

What you need

A power socket where the gateway goes and internet via the network cable from the box (standard, the most reliable). Wifi also works, but only on a 2.4 GHz network. Nothing else: the screwdriver for the stainless steel clamps is in the box, and you don't need to drill. No plumber, no installer.

Safety

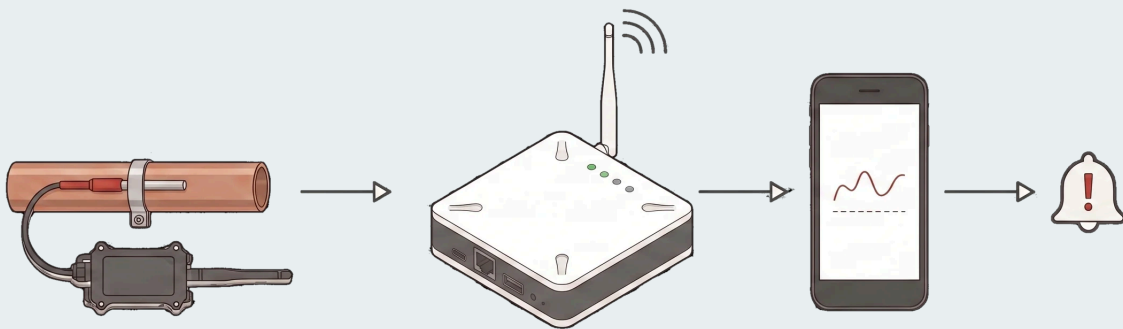
Hot water pipes can be hotter than 60 °C. Preferably fit the hot probe when the installation has not been heating for a while, or wear gloves. Do not work on pipes that are leaking or under repair.

How long it takes

Allow about 30 minutes for an average site. You can stop in between; the app remembers where you were.

What is already set up

Your buildings, measuring points and flushing points are already in the app, as you gave them during setup. Each sensor is registered to your account; the number on the sticker (K-01, K-02, ...) and the building match the app. The tags come in one bag per building; you indicate which tag belongs to which flushing point when you stick it on. You configure nothing else.

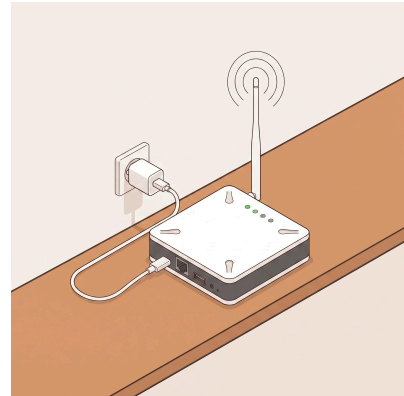


The chain: the sensor measures, the gateway passes it on, the app monitors and alerts you.

Placing the gateway

The gateway is the box that passes on the measurements from the sensors.

- 1 Choose a central, dry spot: reception, the office or a utility cupboard with power. The more central to your buildings, the better the range.
- 2 Screw the antenna hand-tight onto the gateway and stand it upright.
- 3 Connect the power adapter.
- 4 Connect to the internet: the network cable from the box into the network port of the gateway and into your router (standard). No router nearby? Then wifi, only on 2.4 GHz, following the steps at legiolog.com/installation.
- 5 Wait until all four lights on the gateway are on (about a minute, sometimes up to 5 minutes the first time). When the globe light is on, the gateway is connected to the internet.



Ready to use: power in, antenna upright, light green.

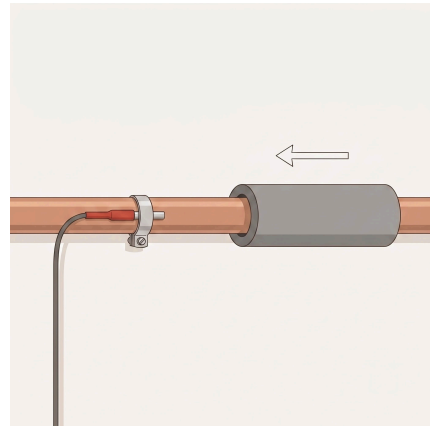
Is there a second gateway in your order? Kit L contains two; with kit S or M one is added for a spread-out site or from four buildings. Place the second one in the furthest building or on the other side of the site. Follow along live: Settings → Equipment → Gateway shows whether the connection is up.

Fitting the sensors

Each sensor monitors two measuring points: the **red probe for hot water**, the **white one for cold**. The app shows for each sensor number (K-01, K-02, ...) which building it belongs to. Stick to that arrangement; then your logbook is right straight away.

Where the red probe belongs: on the hot pipe coming out of the water heater, before the first branch, at least 2 metres from the heater, not on a bend. All the hot water for all the taps of that installation flows past there; that is how the sensor shows that hot water flowed from the installation during flushing. If you have more than one water heater, each installation gets its own sensor.

- 1 Choose the spot as shown in the app: the **red probe** on the hot pipe coming out of the water heater, before the first branch, the **white one** on the cold pipe within 1.5 metres.
- 2 Clean and dry the bit of pipe. Put a pea-sized dab of thermal paste on the head of the probe. **Do not skip this:** without paste and insulation every surface-mounted sensor reads too low.
- 3 Clamp the probe tightly to the pipe with the stainless steel clamp. Firmly hand-tight is enough.
- 4 Slide the insulation sleeve over probe and clamp and press it down.
- 5 Fix the sensor box to the wall with an adhesive strip or to the pipe with a cable tie, with the antenna clear of metal surfaces.



The sleeve closes off the measuring point: the probe measures the pipe, not the room.

✓ Check per sensor

Open the app: usually the first measurement appears at the measuring point within a few minutes, at the latest within fifteen minutes. Want to know sooner whether it works? Hold the probe in your hand for a moment: the temperature visibly rises.

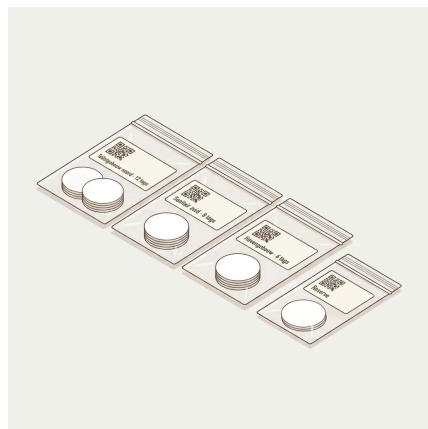
Tips for tricky situations

- **Concrete or steel in the way:** do the measurement check before you fix everything in place and put the antenna higher.
- **Thicker pipes:** use the larger stainless steel clamps from the box; there are two size ranges.
- **In doubt?** Send a photo to support@legiolog.nl; you will get a reply within one working day.

Chapter 4 • The flushing tags • ± 10 min

Sticking the flushing tags

- 1 Take the bag for the building you are in. The label lists the flushing points.
- 2 Clean and dry, on the tile next to the tap, not on the tap itself.
- 3 Phone against the tag: the app asks which flushing point this is. Choose it from the list, change the name if you like. The dashboard shows what is still left to do.



One bag per building: the label shows the building and the flushing points.

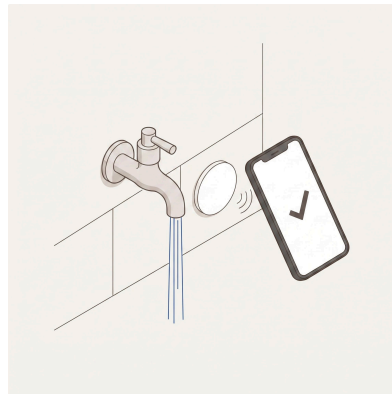
The tags are weatherproof. Sticking them outside (outdoor taps, marina taps) is fine.

Installation complete. What now?

Go through the checklist in the app. When all sensors are green and all flushing points are placed, the installation is complete and from now on you can export your logbook for the inspector at any time.

Every week: the flushing round

Hold your phone against the tag at each tap and let it run until the timer reaches zero. All taps on the same installation form one flushing round; the sensor shows that hot water flowed from the installation. Half an hour after your last tap the result is in the logbook.



Tap, flush to zero: verified flushing evidence, by the sensor.

Manual temperature checks

Temperature checks that your regulations require by hand remain manual work. The app schedules the round, guides you past the measuring points and records the values in the logbook.

Alerts and inspection

If a temperature falls outside the standard, you get an alert straight away. For the inspector you export everything with one click: Export logbook.

Troubleshooting

The gateway does not connect.

Check power and network cable. On wifi: only a 2.4 GHz network works; if it does not come back within an hour, call or email us. All four lights must be on.

A sensor is offline.

First look at what is between sensor and gateway, not how far it is: thick (concrete) walls are what kills the range, distance rarely. Place the gateway more centrally or higher, or move the sensor antenna away from metal.

The scan does not work.

Hold the top (iPhone) or the middle of the back (Android) of the phone against the tag. NFC must be switched on.

A flushing round is not verified.

The sensor saw no hot water from the installation. Check that the water heater is on and flush on hot again. Is the red probe really before the first branch? Then do the placement check on the activation page.

The probe is loose or the reading is too low.

Refit it with thermal paste and slide the insulation sleeve back over it. Without paste and insulation a surface-mounted sensor reads too low.

Maintenance, warranty and returns

No periodic maintenance needed; if a battery runs low, the app warns you well in advance. 24 months warranty. Wrong estimate? Our Meet & Match guarantee arranges extra or fewer sensors within 90 days. End of life? Return via WEEE collection.

Important to know

LegioLog is a recording and alerting tool. It supports carrying out your water safety plan and does not replace legal obligations. The sensor measurements are not accredited measurements.

Questions or need help? Email support@legiolog.nl. LegioLog is a product of Basepay B.V. · Chamber of Commerce (KvK) 42081353 · data hosted in the EU.