

Before you start

You will need: the GPT45-M device · a Nano-SIM (4FF) with an LTE-M, NB-IoT or 2G data plan active in your lane's markets (skip if your device shipped with connectivity pre-provisioned) · a USB Type-C cable and 5 V supply · your platform's server address and port (pre-configured for ODM programme devices).

1 — Install the SIM

With the device powered off, open the SIM cover on the interface edge and insert the Nano-SIM (4FF) in the marked orientation. Close the cover firmly — all interfaces sit behind a single sealing line, and the IP65 rating depends on it. Devices delivered with pre-provisioned connectivity skip this step.

2 — Charge fully

Connect USB Type-C (5 V). Charge the device fully before first deployment. Standard lithium-ion practice applies: charge at room temperature — do not charge below 0 °C.

3 — Power on

Press and hold the power button until the LEDs respond. The red LED indicates cellular activity; the blue LED indicates GNSS activity. For the first fix, give the device open-sky visibility for up to a minute.

4 — Verify the first report

The device reports to the configured server over the EELINK Device Protocol V2.3 (TCP / UDP). Confirm on your platform that the first record has arrived with position, temperature and battery state. Reporting cadence and alarm thresholds follow the profile agreed for your project; they can be changed over the air, by USB, or by SMS command.

5 — Place it in the shipment

Place the device inside the load — with the pallet or inside the carton — with the light sensor unobstructed, so door-open events are detected. If your configuration includes the external PT1000 probe, route the probe to the product or return-air measurement point (see the PT1000 Application Note). The record is now running: handovers, excursions and handling events are time-stamped from this moment.

Safety & handling

Rechargeable lithium-ion device: operating range –20 °C to +75 °C. Do not puncture, crush or expose to fire. Usable capacity falls in deep cold — for deep-frozen and dry-ice lanes place the logger in a thermally moderated position and measure the product with the external probe. Air-freight lithium battery rules apply to your shipping mode; consult your dangerous-goods process where relevant.

This guide describes standard firmware behaviour. Project-specific builds may differ — the configuration sheet delivered with your order takes precedence. Support: info@eelinktech.com.