

Pre-installation

This [Quick start guide](#) contains everything you need to set up your PromethION™ 2 Solo and to check that the device is ready for use.

Before using the device, familiarise yourself with the following:



PromethION 2 Solo user manual

community.nanoporetech.com/to/p2solo



Technical specifications

community.nanoporetech.com/to/techspec



Safety and regulatory information

community.nanoporetech.com/to/safety

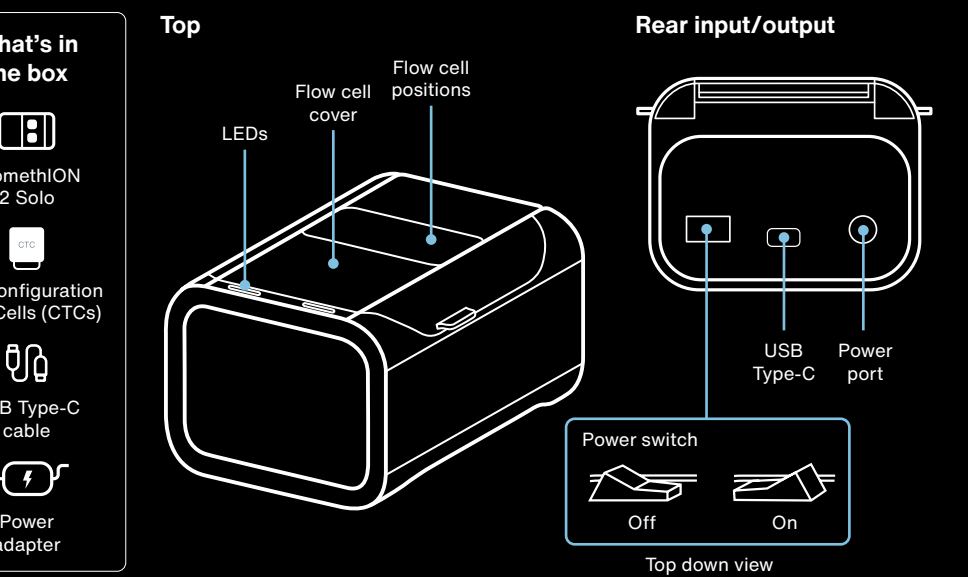


IT requirements

community.nanoporetech.com/to/p2solo-it

For detailed information and troubleshooting, view the user manual.

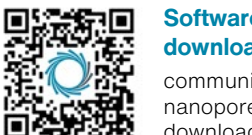
PromethION 2 Solo



1 Installation guidance

To use the device with a laptop:

1. Check that the computer you are using meets the IT requirements (see start of this Quick Start Guide).
2. Power on your laptop.
3. Install the latest **MinKNOW software for the MinION Mk1B and the PromethION 2 Solo devices** from the Software Downloads page (see below). Once the software is installed, click the Nanopore wheel icon that appears on the desktop.



Software downloads

community.nanoporetech.com/downloads

USB Type-C

To use the device with GridION:

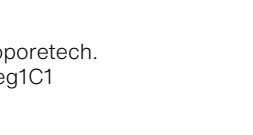
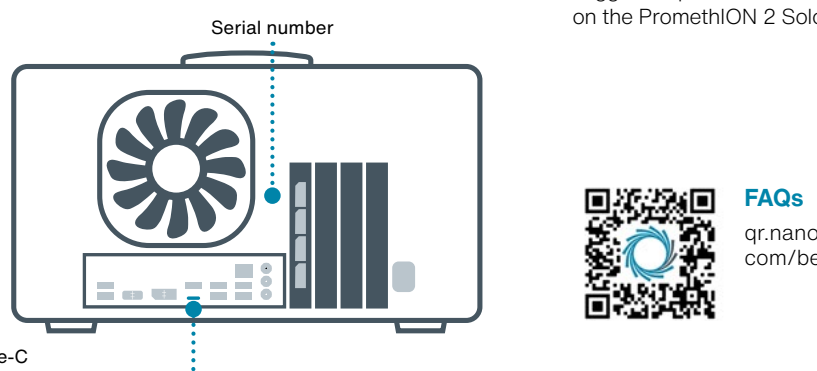
1. Check that the GridION serial number on the label is GXB002 or above.
2. Power on your GridION.
3. Update to the latest **GridION software** from the Software Downloads page (see below). Once the software is updated, click the Nanopore wheel icon on the desktop.



USB Type-C

2 Device setup – GridION or laptop

1. Plug the AC power adapter (country-specific) into the mains supply and plug the other end into the PromethION 2 Solo power port. ⚡
2. Make sure there are no Configuration Test Cells (CTCs) inserted into the PromethION 2 Solo.
3. Plug the USB Type-C cable into the correct ports on your host laptop or GridION and plug the other end into the PromethION 2 Solo, with the P2 icon on both of the USB Type-C connectors facing upwards.
4. Toggle the power switch on the PromethION 2 Solo.

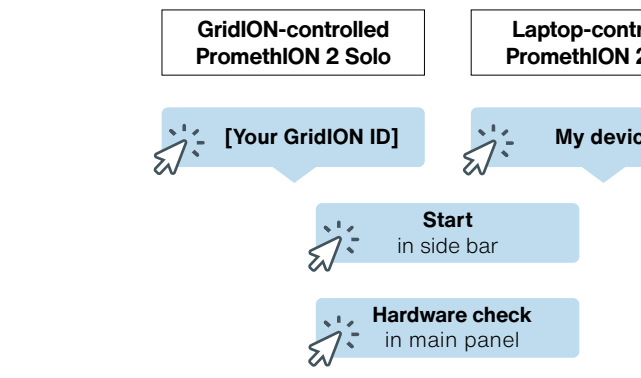


FAQs

qr.nanoporetech.com/beg1C1

3 Perform a hardware check

A **hardware check** is required before performing your first PromethION 2 Solo sequencing run. To run a hardware check, follow the on-screen instructions in MinKNOW, then follow the instructions below. You will require your CTCs.



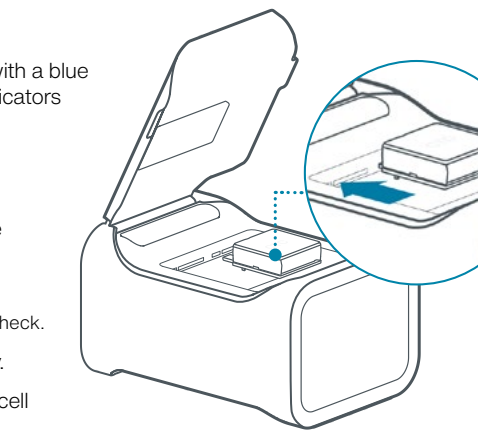
Hardware check overview:

- Load both CTCs into the PromethION 2 Solo Flow Cell positions as shown below and close the lid of the device.
1. Wait until the flow cell positions on the device initialise with a blue LED. In the MinKNOW software, the flow cell status indicators (the two boxes) will change colour from grey to white.
 2. Press **Select all available positions**. This will change the colour of the flow cell status indicators (the two boxes) on the MinKNOW Hardware check panel to dark blue.
 3. Press **Start** in the bottom right of the MinKNOW display.
 4. Check the flow cell positions show a above the flow cell icon to pass the hardware check.
 5. Remove the CTCs from the flow cell positions after you complete the **hardware check**.

Note: The LEDs pulse white and then turn a solid blue when the CTCs are inserted.

Note: The LEDs will pulse green while performing the hardware check.

Insert the CTCs into the flow cell positions as shown below.



Note: If your hardware check fails, see Support in the Additional information section.

Oxford Nanopore Technologies

phone +44 (0)845 034 7900

email support@nanoporetech.com

@nanopore

www.nanoporetech.com

Oxford Nanopore Technologies, the Wheel icon, GridION, MinION, MinKNOW, and PromethION are registered trademarks of Oxford Nanopore Technologies plc in various countries. All other brands and names contained are the property of their respective owners. © 2024 Oxford Nanopore Technologies plc. All rights reserved. Oxford Nanopore Technologies products are not intended for use for health assessment or to diagnose, treat, mitigate, cure, or prevent any disease or condition.

ONT-08-00972-00-3 | BR_1156(EN)_V2_01Jan2024



4

Power off

Power off your PromethION 2 Solo:

1. Remove the PromethION CTCs from the device.
2. Toggle the power switch to the off position on the PromethION 2 Solo.

Power off your laptop or GridION:

To power off your GridION using MinKNOW, follow the workflow below:

Host settings
in side bar

Shutdown
in main panel

Shutdown
in pop-up box

OR

You can close MinKNOW and power off your laptop now.

5

Discover the Nanopore Community



community.nanoporetech.com

Ensure the success of your nanopore sequencing project and stay up-to-date with the latest technology and protocols.



Tip: Learn how to analyse your nanopore data at: nanoporetech.com/analyse



Additional information



Warranty

A license and warranty can be purchased for your device here: store.nanoporetech.com/device-warranty.html
Flow cell warranty: nanoporetech.com/warranty



Recycle used flow cells

Oxford Nanopore is committed to environmental sustainability. You can help by sending your flow cells for recycling. Find out how: community.nanoporetech.com/support/returns



Place your next order

Buy more consumables at the Oxford Nanopore Store: store.nanoporetech.com



Documentation

Documentation for your device is available on the Nanopore Community: community.nanoporetech.com/docs

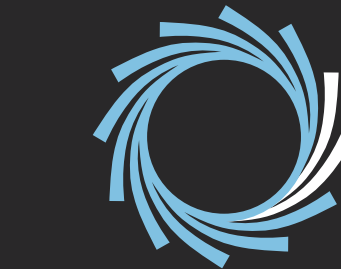


Support

For all of your customer and technical support needs, visit: community.nanoporetech.com/support

Technical specification

	PromethION 2 Solo
Model number	PRO-SEQ002
Supply voltage (V)	Power supply unit input: 100-240 AC ± 10% (50/60Hz) PromethION 2 Solo input: 12 DC
Maximum rated current (A)	5
Maximum rated power (W)	60
Size (H x W x D) (mm)	152 x 110 x 87
Weight (kg)	1.5
Installation ports	1 x USB Type-C (3.0 @ 5 Gbps), 1 x 12 VDC Barrel Power connector
Software installed	None
Compute specification	N/A
Environmental conditions	Functional range of electronics is within environmental temperatures of +5°C to +40°C. Users should allow 30 cm clearance to the rear and sides of the device. Designed to sequence in environmental temperatures of +18°C to +25°C. Use within 30%-75% relative non-condensing humidity limits. Intended for indoor use. Can be used up to altitudes of 2,000 m. The device has a Pollution Degree 2.



PromethION 2 Solo
Quick start guide