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

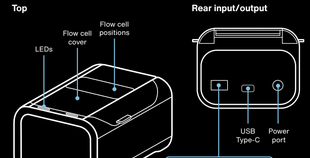
For detailed information and troubleshooting, view the user manual.

PromethION 2 Solo

What's in the box

- PromethION 2 Solo
- 2 x Configuration Test Cells (CTCs)
- USB Type-C cable
- Power adapter

Top



Top down view

Rear input/output

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.

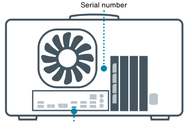
To use the device with GridION:

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.

Software downloads
community.nanoporetech.com/downloads

2 Device setup — GridION or laptop

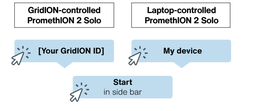
1. Plug the AC power adapter (country-specific) into the mains supply and plug the other end into the PromethION 2 Solo power port.
2. Make sure there are no Configuration Test Cells (CTCs) inserted into the PromethION 2 Solo.
3. Plug the USB Type-C cable into the correct ports on your host laptop or 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.

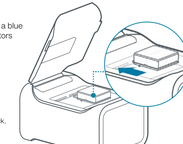
Note: The LEDs pulse white and then turn a solid blue when the CTCs are inserted.

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.

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

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**.

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



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

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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
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