Pre-installation

This Quick Start Guide contains everything you need to set up your PromethION™ 2 Integrated and to check that the device is ready for use.

Before using the device, familiarise yourself with the following:

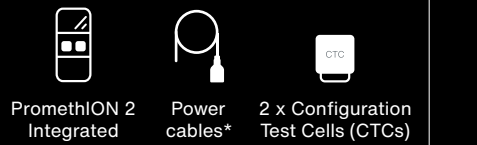**PromethION 2 Integrated user manual**
community.nanoporetech.com/to/p2i

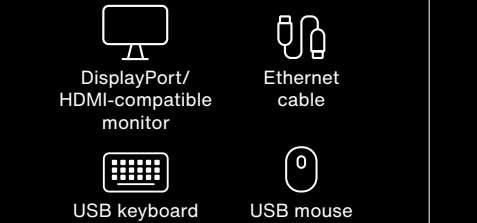**Safety and regulatory information**
community.nanoporetech.com/to/safety

For detailed information and troubleshooting, view the user manual.

What's in the box

| PromethION 2 Integrated | Power cables* | 2 x Configuration Test Cells (CTCs) |

What you will need

| DisplayPort/HDMI-compatible monitor | Ethernet cable |
| USB keyboard | USB mouse |

* The PromethION 2 Integrated ships with 5 x power cables (1 US, 1 UK, 1 EU, 1 CN, 1 AUS) for international use.
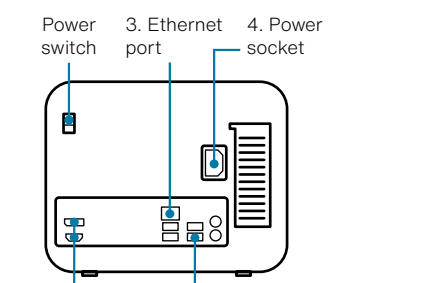
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1 Set up your device

1. **Unpack** your PromethION 2 Integrated device*
2. Attach the **cables** and **peripherals** in the order shown opposite
3. Press the **power switch**

Flow cell positions (inside sequencing chamber)

Touchscreen

Rear input/output
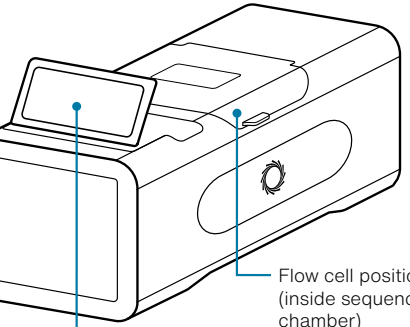
Power switch   3. Ethernet port   4. Power socket

1. HDMI Port or DisplayPort (DP)†   2. USB mouse and keyboard

* The device must be placed away from direct sources of heat or sunlight. Place device on a well-supported, strong, clean bench. Allow 30 cm clearance rear and sides, and do not cover ventilation grilles. See user manual for detailed installation advice.
† Connect only one monitor.

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2 Log in to your PromethION 2 Integrated

On initial setup, we recommend using an external monitor. For subsequent uses, you can use the touchscreen and/or an external monitor.

Monitor:
1. Log in to your PromethION
   Username: prom
   Password*: prom
2. Open MinKNOW™ Click the wheel icon on the desktop to load MinKNOW.
3. Log into MinKNOW. Use your Oxford Nanopore account details.

MinKNOW
Log in with your Nanopore account

Note: Follow the tutorials to familiarise yourself with MinKNOW.

* For added security, we recommend changing your password after device setup using the instructions in the user manual.

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3 Update MinKNOW

For the latest sequencing features, update MinKNOW:

Host settings in side bar

Software in side bar

Get update in main panel

You must now shut down your PromethION 2 Integrated using the instructions in step 4. Once complete, press the power switch and repeat step 2.

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4 Power off

Ensure the device is not performing any tasks and remove any CTCs from the flow cell positions if present.

In MinKNOW, click or press (if using the touchscreen) the top-right power icon, then **Shutdown** in the pop-up window.

After repeating step 2, you will be able to complete your software update. Then, proceed to step 5.

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5 Perform **hardware check**

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

My device	Start	Hardware check
Connection Manager	in side bar	in main panel
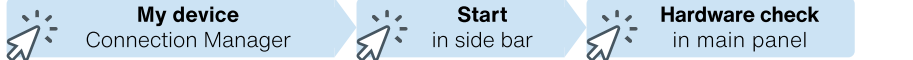
Hardware check overview:

1. Insert the CTCs into the device as shown here and close the lid of the device.
2. In the MinKNOW software, the flow cell status indicators (the two boxes) will change colour from grey to white.
3. Press **Select all available**. This will change the colour of the flow cell status indicators (the two boxes) on the MinKNOW Hardware check panel to dark blue.
4. Press **Start** in the bottom right.
5. Check the flow cell positions show a ✅ to pass the hardware check.
6. Remove the CTCs from the flow cell positions after you complete the hardware check.
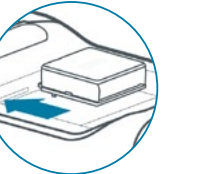
Note: If your hardware check fails, see Support in the Additional information section.
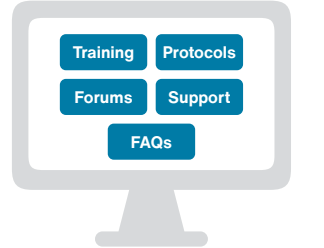
6 Discover the **Nanopore Community**

community.nanoporetech.com

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

Training	Protocols
Forums	Support
FAQs	

💡 Tip: Learn how to analyse your nanopore data: **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: **community.nanoporetech.com/to/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 Integrated	
Model number	PRO-INT002	
Supply voltage (V)	AC mains input: 100–240 AC ± 10% (50/60Hz)	
Maximum rated current (A)	10	
Maximum rated power (W)	750	
Size (H x W x D) (mm)	180 x 225 x 430	
Weight (kg)	10.6	
Installation ports	1 x Ethernet port (2.5 Gbps) 4 x USB 3.0 type-A ports 1 x HDMI port 1 x DisplayPort	
Software installed	Ubuntu MinKNOW, EPI2ME	
Compute specification	5.5" touchscreen 15 TB SSD storage 64 GB memory	1 x Intel Core i7 (12-core) 1 x NVIDIA Ampere series GPU
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 Integrated
Quick start guide