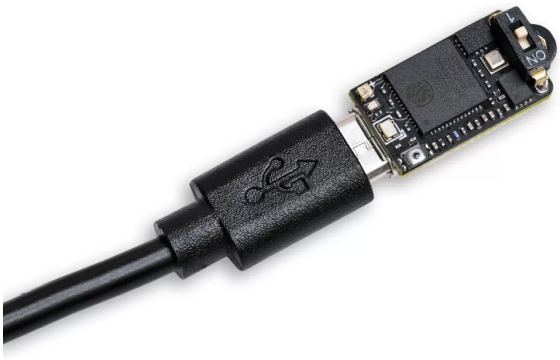
USB connection



The Nano altimeter has an onboard Micro-USB port. This functions as a USB mass storage device for accessing the files and settings. So you won't need to dig around for a custom reader or cable.

Just connect your Nano to a PC, Laptop, Tablet or Smartphone and you should be able to access your files. The power switch on the Nano should be OFF in USB mode, you don't need to leave the Nano switch on.

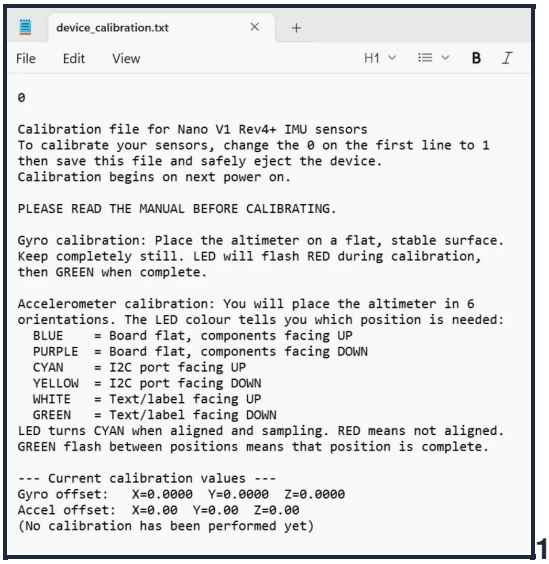
> **Worth knowing**
>
> If you power on the Nano **with** USB power present it will boot to USB file mode.
> If you power on the Nano **without** USB power present it will boot to flight mode.

On a PC you will see the device called "ALTCLOUD" in your This PC folder.

Once you open the drive you will have a few default files, and any flight logs and summaries will also be available here.
You can drag and drop flight logs to the Altimeter Cloud upload tool to view their charts and data in an easy-to-manage format.

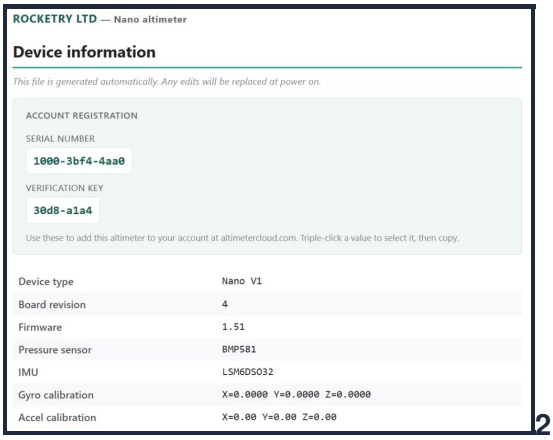
Note: If you have hardware revision 1, 2 or 3 you won't see a device_calibration file as these do not have the IMU sensor.
Note: If you place any files onto the Nano these will be deleted when the Nano starts up; it only keeps its own relevant files.

In the order they are displayed here is what each file is for on the default filesystem.



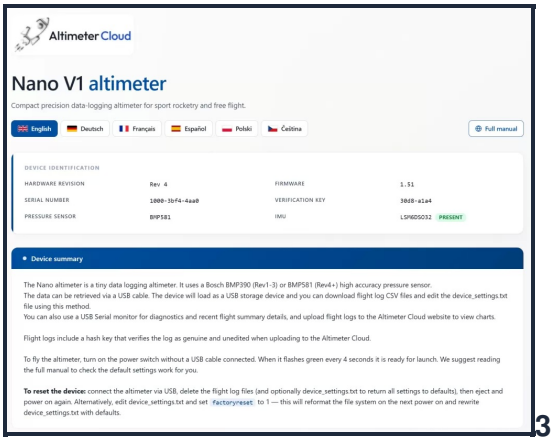
1. device_calibration.txt

This is an editable file that allows you to calibrate the sensors on your Nano altimeter.
Please read the dedicated calibration manual page here to perform this.



2. device_information.html

This is an HTML page that will load in your web browser. It includes information about your specific Nano altimeter.
It also includes an 8-character verification key and the device's serial number that you will need to add the Nano to your account on the Altimeter Cloud should you wish to do so.



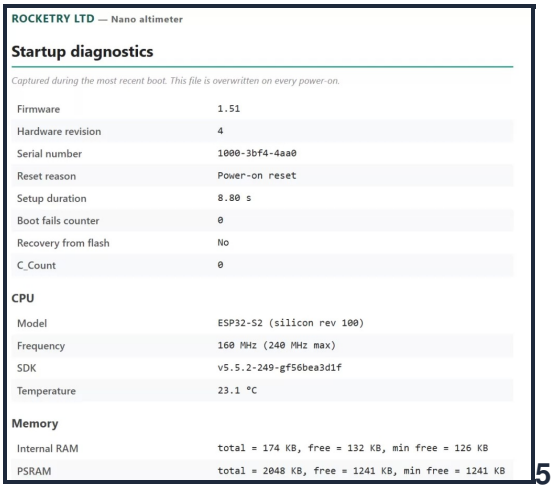
3. device_readme.html

This is an HTML page in several selectable languages that is included on the Nano.
It gives you brief details of how to edit the settings and what the settings do. So if you're stuck in the field without internet you can still access some handy information.

4. device_settings.txt

This text file is the editable JSON format settings file for the Nano.
You can find out more on the settings manual page here.

The main thing to note is that any errors in this file will cause the Nano to replace the file with default values on its next power on. So it's always worth checking the settings manual page for correct values.



5. device_startup_diagnostics.html

This is an HTML page that will load in your web browser. It includes more in-depth information about your device and the startup process.
It can be handy to attach to your email if you have a problem and need support from us.

Snapshot screen support

The Nano can also use its USB port to connect to the Snapshot screen. This allows you to view a snapshot of your latest flight and your device settings.
It's a very handy device at competitions where lots of altimeters need to be checked and allows verification that a Nano is blank, its serial number, competitor tag, device tag and numerous other aspects too.

You can find out more about the Snapshot screen here.