

What you need

Device + module	Module attached, battery charged
App	Nordalp - ublox Firmware Tool installed
USB debugging	Enabled on the device (developer options)
PC + USB cable	Windows PC, device connected via USB
adb	Platform Tools, adb devices lists the device
u-center	v23.08 (classic), not u-center 2
Firmware	.bin of the target firmware, e.g. HPG 1.51

Start

Open the app › select **module** › select **mode** › use **Next** through the steps. **Home** aborts.

i For *Read firmware version* the device with the app is enough. PC, adb, u-center and firmware are only needed for the update.

A Read firmware

Read firmware version · device only

1. **Power on** – switch the module on
2. **Baud rate** – found automatically
3. **Firmware version** – shown, e.g. *HPG 1.51*

Finish: **Done** (start) or **Next device**.

LOG

Log button at the top right. Get the log file:

```
adb pull
/sdcard/Android/data/com.nordalp.u_bloxf9pfir
mwaretool/files/logs/
```

B Firmware update

Firmware update · device + PC

1. **Power on** – switch the module on
2. **Baud rate** – automatic (factory 38400)
3. **Firmware version** – already current? › *No update needed*
4. **115200 baud** – set the module to 115200
5. Start the **bridge**, then on the PC:
 - `adb forward tcp:5000 tcp:5000`
 - u-center: *Receiver* › *Connection* › *Network* › `tcp://127.0.0.1:5000`
 - u-center: *Tools* › *Firmware Update*, settings below, **GO** (approx. 2–3 min)
6. **Confirm** – after *SUCCESS* disconnect in u-center, confirm
7. **Verify** – result **PASS** / **FAIL**

U-CENTER FIRMWARE UPDATE

Use this baudrate for update	On , 115200
Enter safeboot before update	Off
Send training sequence	On
Use chip erase	On

Important Do not move the device or cable during the update. If it aborts, the app shows *Bootloader only* – simply repeat the update.