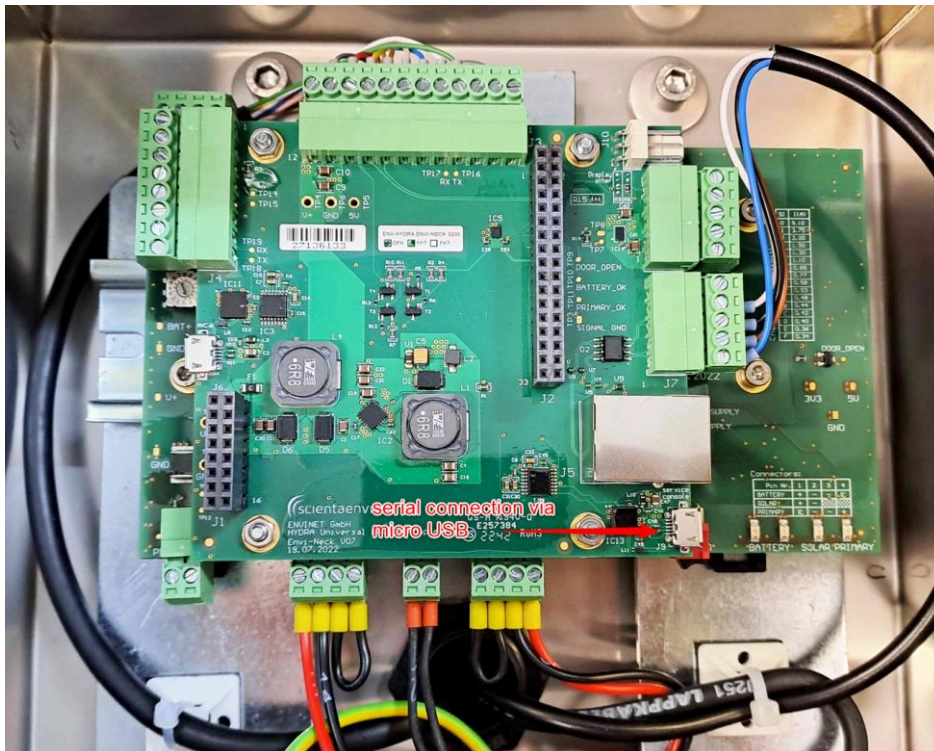
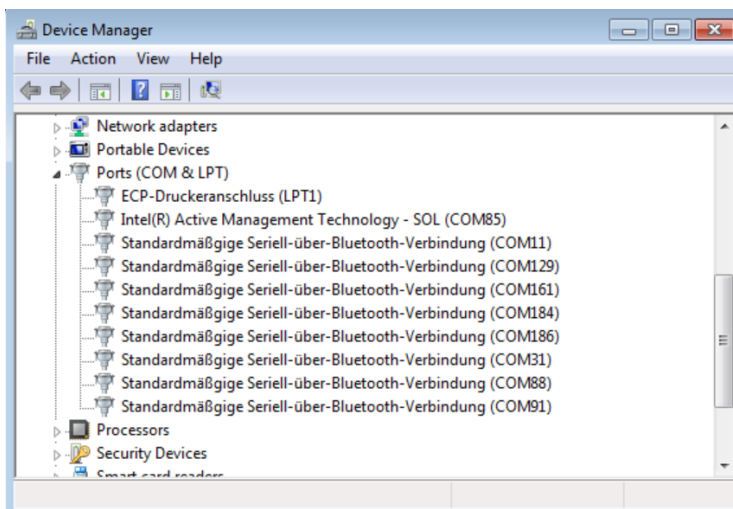


How to establish a serial connection to a MIRA

1. The serial connection to the MIRA can be established using a Micro-USB cable (not included). The cable has to be connected to the PCB in the cabinet.



2. Find out which COM port the cable is connected to (Windows Device Manager)

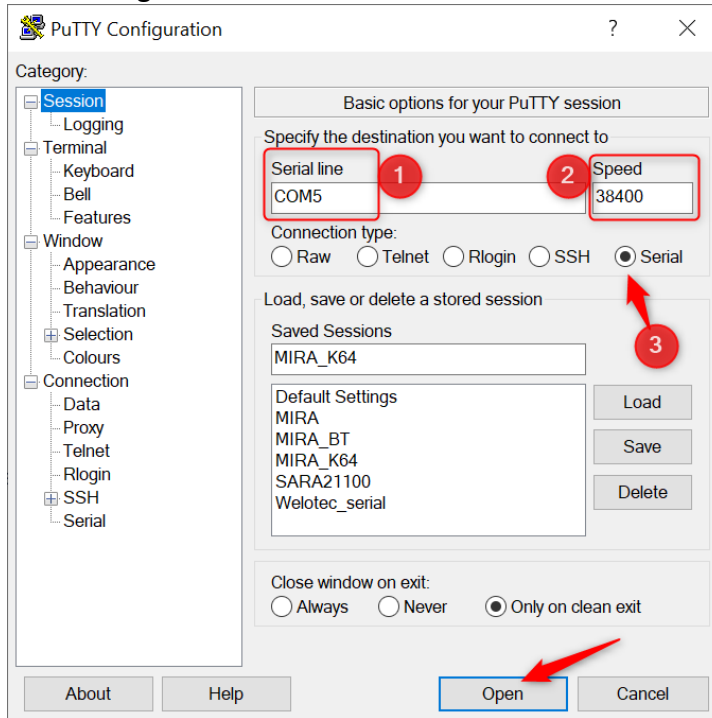


3. Open Putty on computer.

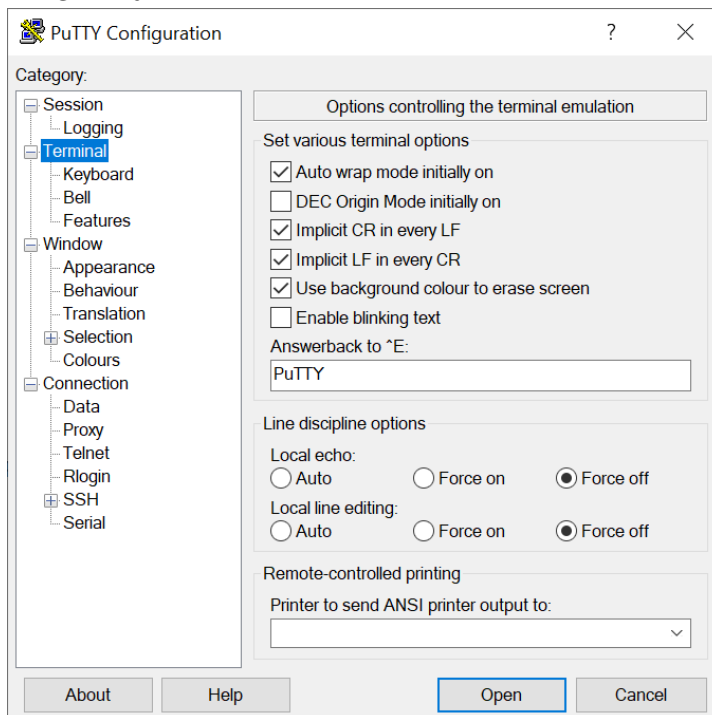
4. Configure Putty with the following settings:

a. In Session:

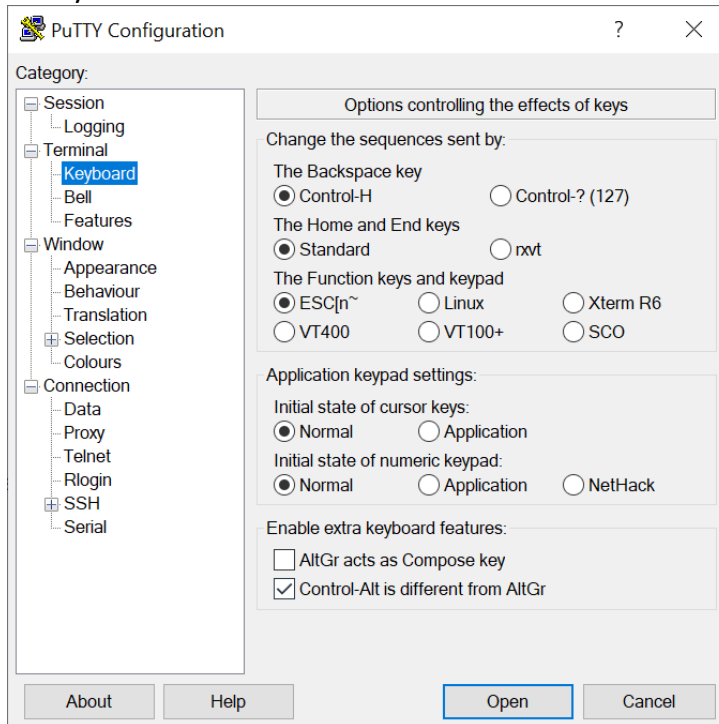
The setting can be saved for later use.



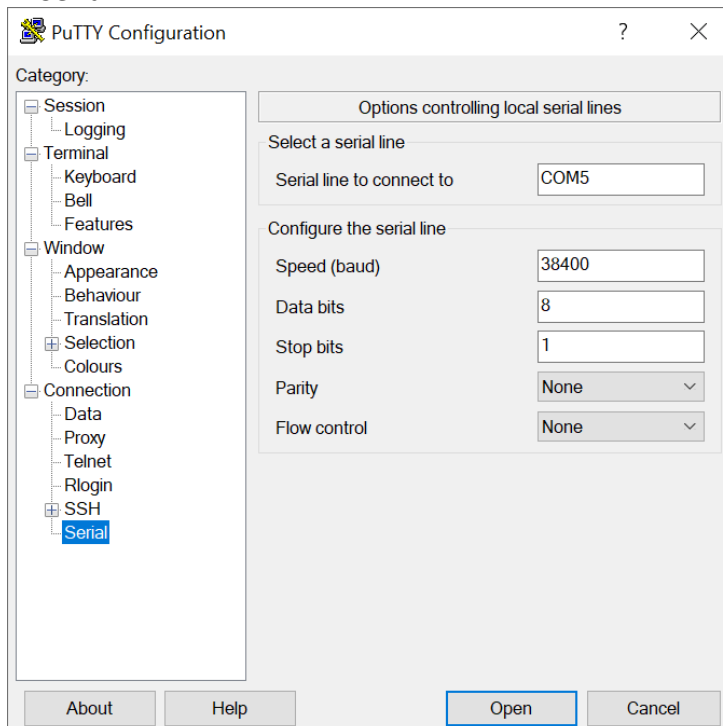
b. In Terminal:



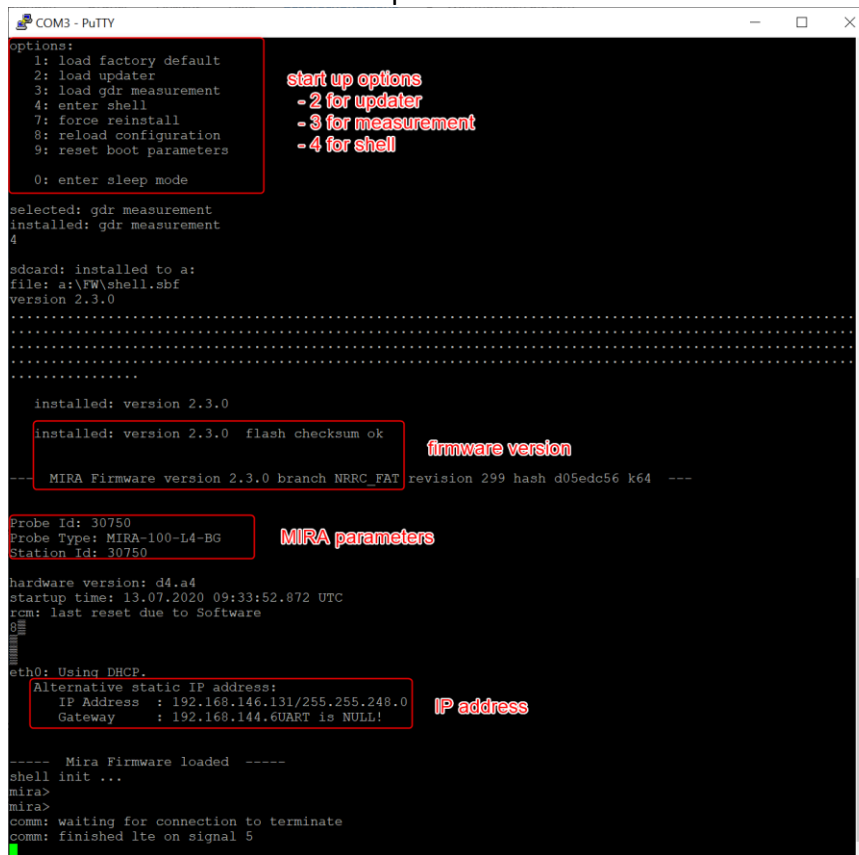
c. In Keyboard:



d. In Serial:



e. Restart MIRA to select boot option:



```
COM3 - PuTTY
options:
  1: load factory default
  2: load updater
  3: load gdr measurement
  4: enter shell
  7: force reinstall
  8: reload configuration
  9: reset boot parameters
  0: enter sleep mode

selected: gdr measurement
installed: gdr measurement
4

sdcard: installed to a:
file: a\FWshell.sbf
version 2.3.0
.....
.....
.....
installed: version 2.3.0
installed: version 2.3.0  flash checksum ok
firmware version
--- MIRA Firmware version 2.3.0 branch NRRC_FAT revision 299 hash d05edc56 k64 ---

Probe Id: 30750
Probe Type: MIRA-100-L4-BG
Station Id: 30750
MIRA parameters

hardware version: d4.a4
startup time: 13.07.2020 09:33:52.872 UTC
rcm: last reset due to Software
eth0: Using DHCP.
Alternative static IP address:
IP Address : 192.168.146.131/255.255.248.0
Gateway : 192.168.144.GUART is NULL!
IP address

---- Mira Firmware loaded ----
shell init ...
mira>
mira>
comm: waiting for connection to terminate
comm: finished lte on signal 5
```

- f. Select shell for MIRA configuration and commands.
All commands have to be confirmed by pressing enter twice.
- g. When finished restart MIRA in measurement mode.