

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.

MIRA – Serial connection

How To

- 4. Configure Putty with the following settings:
 - a. In Session: The setting can be saved for later use.

| 😹 PuTTY Configuration | | ? × |
|--|---|---|
| Category: | | |
| Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Serial | Basic options for your PuTTY sees Specify the destination you want to connect Serial line COM5 Connection type: Raw Telnet Rlogin SSH Load, save or delete a stored session Saved Sessions MIRA_K64 Default Settings MIRA_BT MIRA_BT MIRA_BT MIRA_K64 SARA21100 Welotec_serial Close window on exit: Always Never Only on desting | ssion to Speed 38400 • Serial • Serial • Serial • Coad Save Delete |
| About Help | Open | Cancel |

b. In Terminal:

| 😹 PuTTY Configuration | | ? | Х |
|--|--|--------------------------|---|
| Category: | | | |
| Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Serial | Options controlling the terminal Set various terminal options Auto wrap mode initially on DEC Origin Mode initially on Implicit CR in every LF Implicit LF in every CR Use background colour to erase scr Enable blinking text Answerback to ^E: PuTTY Line discipline options Local echo: Auto Force on Auto Force on Calline editing: Auto Printer to send ANSI printer output to: | een Force off Force off | ~ |
| About Help | Open | Cancel | |

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c. In Keyboard:

| 🕵 PuTTY Configuration | | ? | \times |
|---|---|---|----------|
| Category: | | | |
| Category: Session Logging Terminal Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Serial | Options controlling the effect Change the sequences sent by: The Backspace key Control-H Control The Home and End keys Standard pxvt The Function keys and keypad ESC[n[~] Linux VT400 VT100+ Application keypad settings: Initial state of cursor keys: Normal Application Initial state of numeric keypad: Normal Application Enable extra keyboard features: AltGr acts as Compose key Control-Alt is different from AltGr | ts of keys ol-? (127) () Xterm R6 () SCO | |
| About Help | Open | Cancel | |

d. In Serial:

| 😹 PuTTY Configuration | | ? × |
|---|---|-------------------------------------|
| Category: Session Logging Terminal Keyboard Bell Features Window Appearance Behaviour Translation Selection Colours Connection Data Proxy Telnet Rlogin SSH Serial | Options controlling Select a serial line Serial line to connect to Configure the serial line | g local serial lines |
| | Speed (baud) Data bits Stop bits Parity Flow control | 38400 8 1 None ~ None ~ |
| | | |
| About Help | (| Open Cancel |

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How To

e. Restart MIRA to select boot option:



- 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.