FAQ GMSela How to Connect Serial Console with uCon

1. Introduction

- This procedure describes how to connect the serial console of a GMSela to a computer.

2. Required Tools
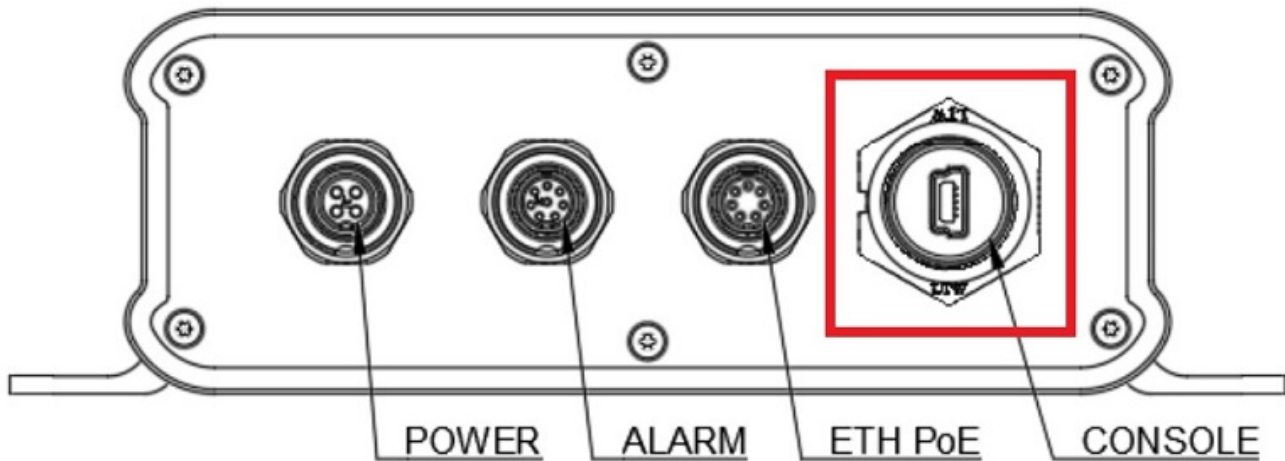
- Mini USB cable (Type-A plug to Mini-B plug)

- Windows Computer with installed terminal software, recommended is uCon (http://www.umonfw.com/ucon/)
  Any other serial port terminal software may work as well

3. Connect GMSela

- Connect the Mini USB cable to the **CONSOLE** connetor of your GMSela

POWER   ALARM   ETH PoE   CONSOLE
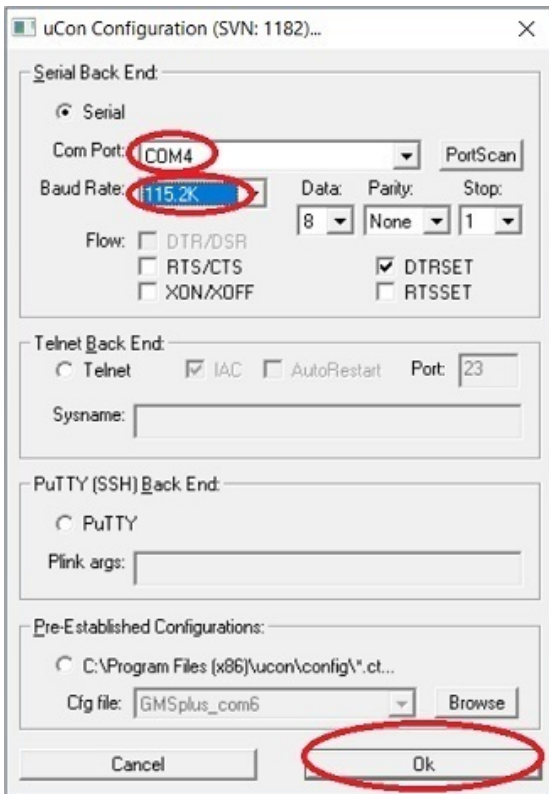
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4. Find COM port in Windows

- Turn on your GMSela
- In Windows under **Device Manager-> Ports (COM & LPT)**, your GMSela appears as **USB Serial Port**
- Remember the COM port of the USB Serial Port

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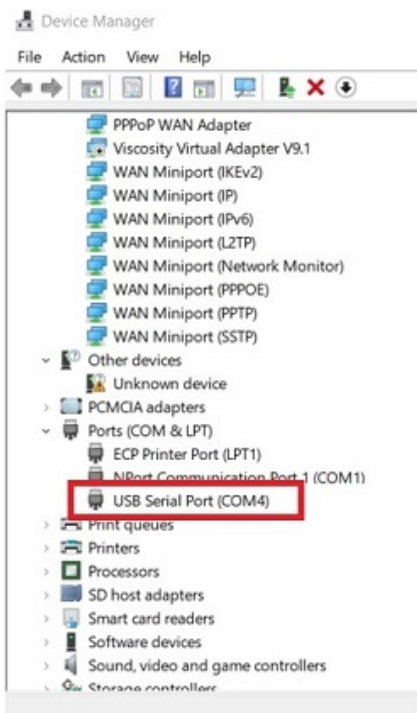
5. Connect with uCon

- Start uCon terminal software
- Choose the COM port of your USB Serial Port
- Choose baud rate **115.2K** from the dropdown
- Press **[OK]** to connect

6. Navigating the console

- If the startup process of the instrument is finished, you can press **[ENTER]** key on your keyboard
- The main menu will appear

```
GMSplus s/n 102833 version 21.12.29
Main menu:
C - Configuration
M - Messages ->
S - Shell command
L - List firmware images
N - List network tunnels
X - Display errors (0) and warnings (0)
W - Clear errors and warnings
F - View/reset RTC trim values
T - File statistics
G - View RTC status
A - View Alarm status
P - View GPS information
H - Set RTC time
U - User request
R - Restart
Q - Quit
```

- Each menu point has a letter assigned
- Press the key of the menu you want to select (e.g. **[C]** to enter the configuration menu, press **[C]** again to edit current configuration)
- Always confirm your selection pressing **[ENTER]**

```
Main Menu
   A) Station description ............. GMSplus (6ch) - GeoSIG Ltd
   B) Station code ..................... GSGMS
   C) Location description ............ Switzerland
   D) Seismic network code ............ GS
   E) Number of Channels .............. 3
   F) Number of Output Streams ........ 0
   G) Number of Trigger Sets .......... 2
   H) Number of Preset Triggers ...... 0
   I) Channel Parameters .............. ->
   K) Trigger Parameters .............. ->
   M) File Storage and Policy ......... ->
   N) Communication Parameters ........ ->
   O) Miscellaneous Parameters ........ ->
   P) Station Location ................ ->
   S) GeoSIG Options .................. ->

Select <A>...<S>. <Esc> to exit
```

- At the bottom of each sub-menu, further navigation options are listed

7. Save and apply configuration changes

- Press **[Esc]** to exit the configuration menu
- Press **[C]** to save the configuration as "current"
- In the main menu, press **[R]** to restart the instrument
- After the restart, the configuration changes are applied

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