# SERIAL CONNECTION GUIDE

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## 1.DOWNLOAD AND INSTALL A SERIAL PORT SOFTWARE

We recommend Tera Term or Putty:
**https://github.com/TeraTermProject/teraterm/releases/download/v5.4.1/teraterm-5.4.1.exe**

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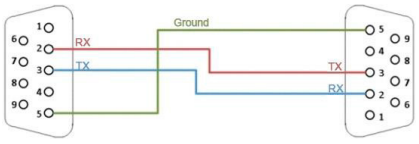
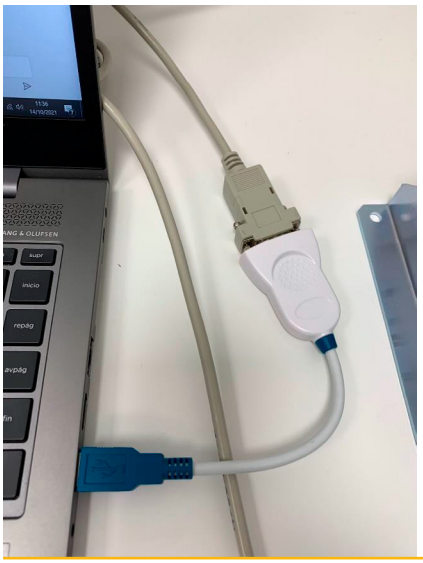
## 2. CONNECT THE SYSTEM


## 2.1 POWER SUPPLY -> SUPPLY THE INVERTER WITH THE NOMINAL VOLTAGE.

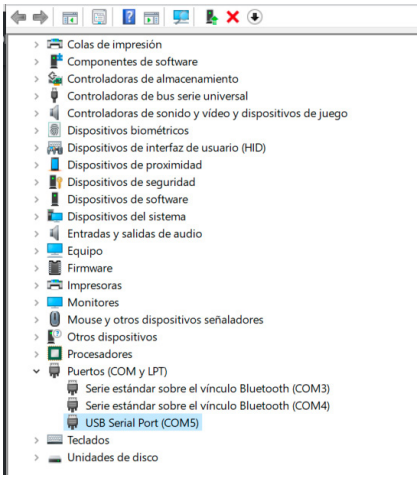
In this case it is the ODX-3000 with 24VDC Input:




## 2.2 CONNECT THE SERIAL PORT WITH A NULL CABLE. PINS 2 AND 3 ARE CROSSED:



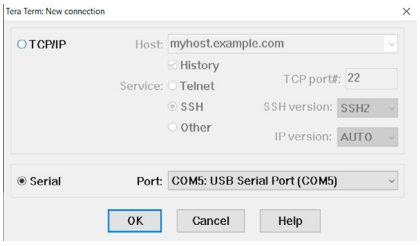
## 2.3 CONNECT THE SERIAL PORT TO THE COMPUTER USING A RS-232 TO USB ADAPTER:



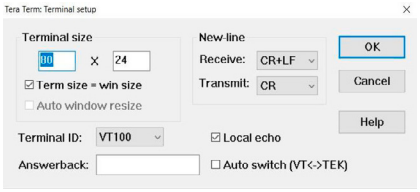

## 2.4 MAKE SURE IN WHAT PORT IS THE ADAPTER CONNECTED (CHECK IN THE DEVICE MANAGER)

As you can see the USB Serial Port is connected to COM 5.

## 3




## 3. SET IT IN TERA TERM (SERIAL PORT: COM 5)




## 3.1 MAKE SURE THE TERMINAL CONNECTION IS ALLOWING LOCAL ECHO: (IN TERA TERM SETUP TERMINAL...)

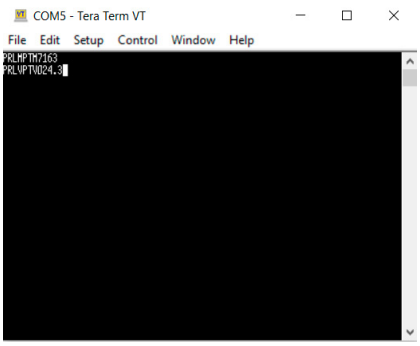
## 3.2 PROTOCOL CONFIGURATION: (IN TERA TERM SETUP SERIAL PORT...)

ASCII code, XXXX bauds, parity none, 8 bits, 1bit stop

| INVERTER | INVERTER BAUDRATE |
|---|---|
| ODS-1500 | 19.200 |
| ODS-3000 | 19.200 |
| ODX-1300 | 9.600 |
| ODX-3000 | 9.600 |
| ODX-6000 | 57.600 |

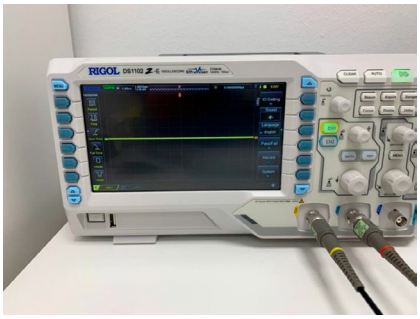
Once the connections are done you can use the commands in the Datasheets to Read and Set Up the different parameters in the Inverters.

## EXAMPLES




PRLM always answers the Model.

In the case of the ODS-3000 PRLV will return the Vin:




As you can see the Inverter Answers with the model PRLM PTM7163 (Model 7163)

And the Voltage in the input PRLV PTV024.3 (24.3 Vdc IN)

To stop the Output we will send the command:
**PRLG3000.0 (Inverter Disabled)**

(Output is 0Vdc)

To enable the inverter the command is:
**PRLG3999.9**

https://youtu.be/JJ8SAJoOz08?si=S5ay0JM1msBWBex3