

Serial Connection Guide

1. Download and Install a Serial Port Software

We recommend Tera Term or Putty:

<https://osdn.net/frs/redir.php?m=nchc&f=ttssh2%2F74780%2Fteraterm-4.106.exe>

2. Connect the System

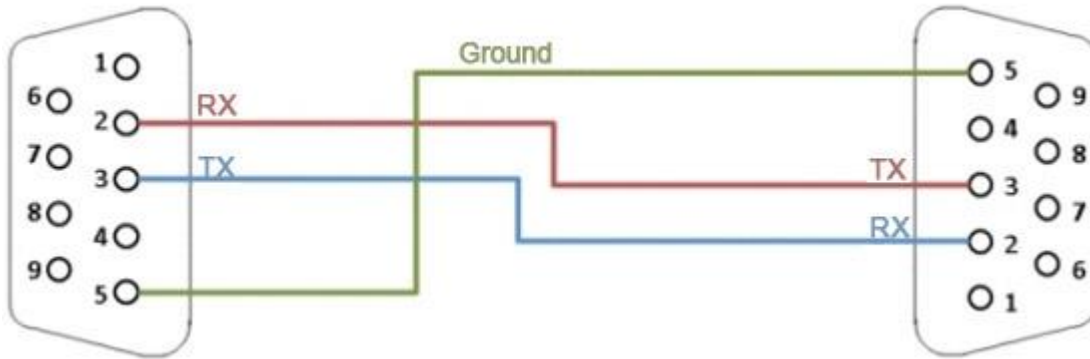


2.1 Power Supply -> Supply the inverter with the Nominal Voltage.

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



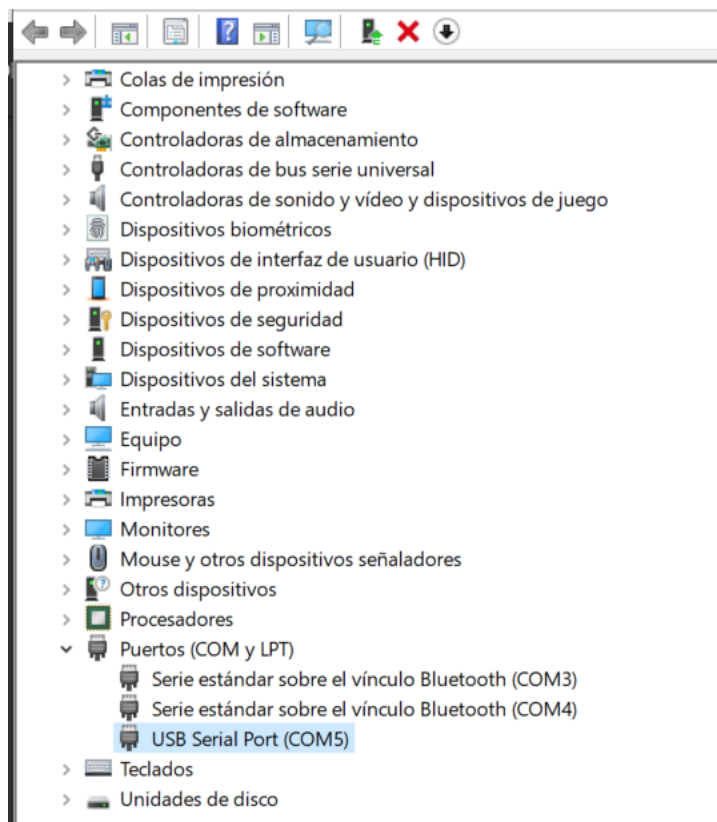
2.1 Connect the Serial Port with a NULL Cable. Pins 2 and 3 are crossed:



2.2 Connect the Serial Port to the computer using a RS-232 to USB adapter:

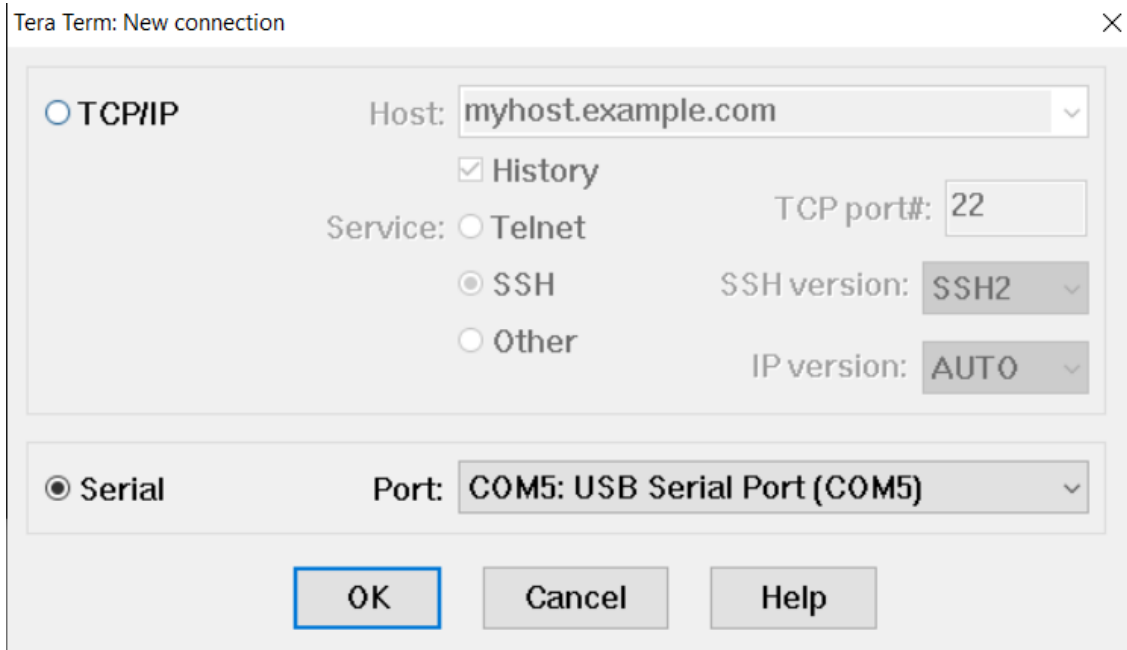


2.3 Make sure in what Port is the Adapter connected (Check in the Device Manager)



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

3. Set it in TERA TERM (Serial Port: COM 5)



Tera Term: New connection

TCP/IP Host: myhost.example.com

History

Service: Telnet TCP port#: 22

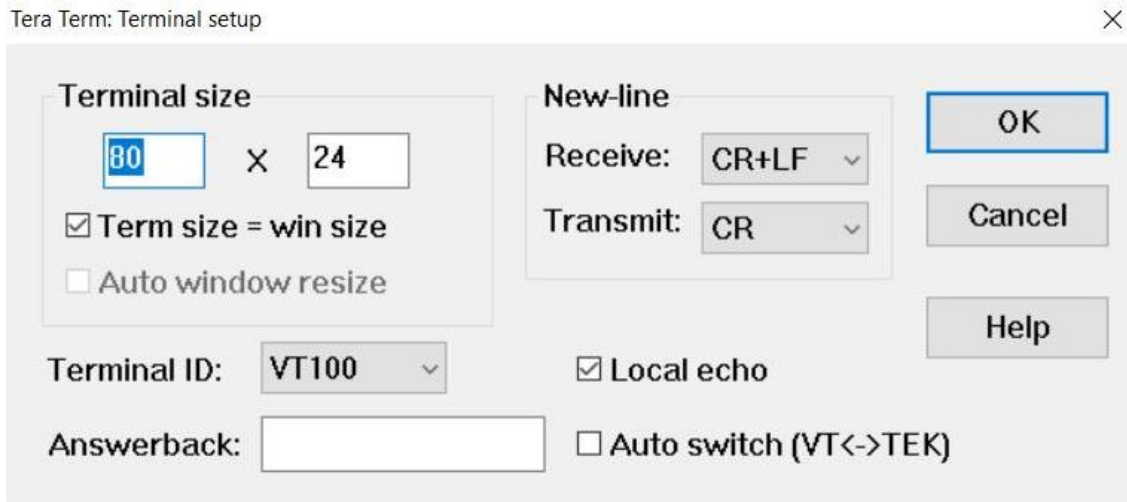
SSH SSH version: SSH2

Other IP version: AUTO

Serial Port: COM5: USB Serial Port (COM5)

OK Cancel Help

3.1 Make sure the Terminal connection is allowing Local echo: (In Tera Term → Setup → Terminal...)



Tera Term: Terminal setup

Terminal size: 80 × 24

Term size = win size

Auto window resize

New-line: Receive: CR+LF, Transmit: CR

Terminal ID: VT100

Local echo

Answerback:

OK Cancel Help

3.2 Protocol configuration: (In Tera Term → Setup → Serial Port...)

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

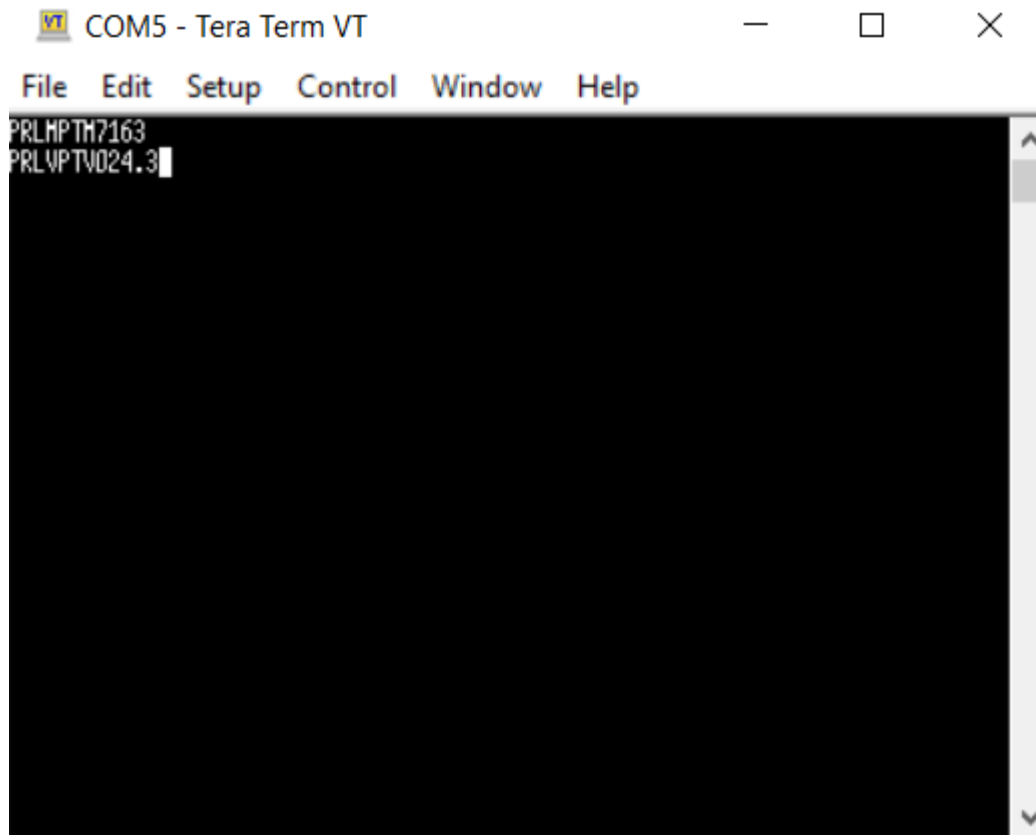
INVERTER	BAUDRATE
ODS-1500	19.200
ODS-3000	19.200
ODX-1300	9.600
ODX-3000	9.600
ODX-6000	57.600

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

