FIRST CONNECTION TO INVERTER

First connection to inverter

1. Install ZpCanConsole on the PC

ZpCanConsole

2. Connect an external HW among those indicated below to connect the PC with the two CAN wires of the inverter:
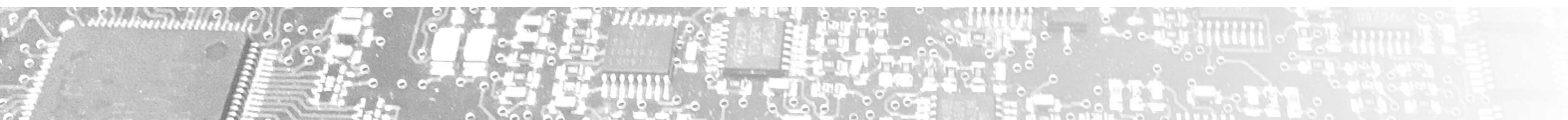
   1. IXXAT DEVICE
   2. IFAK DEVICE
   3. PEAK USB
   4. KVASER
   5. VETCOR

Usually in ZAPI we use Ixxat which, in addition to having a good value for money, allows you to download some free programs from the internet that are usually useful during the developmente, i.e:
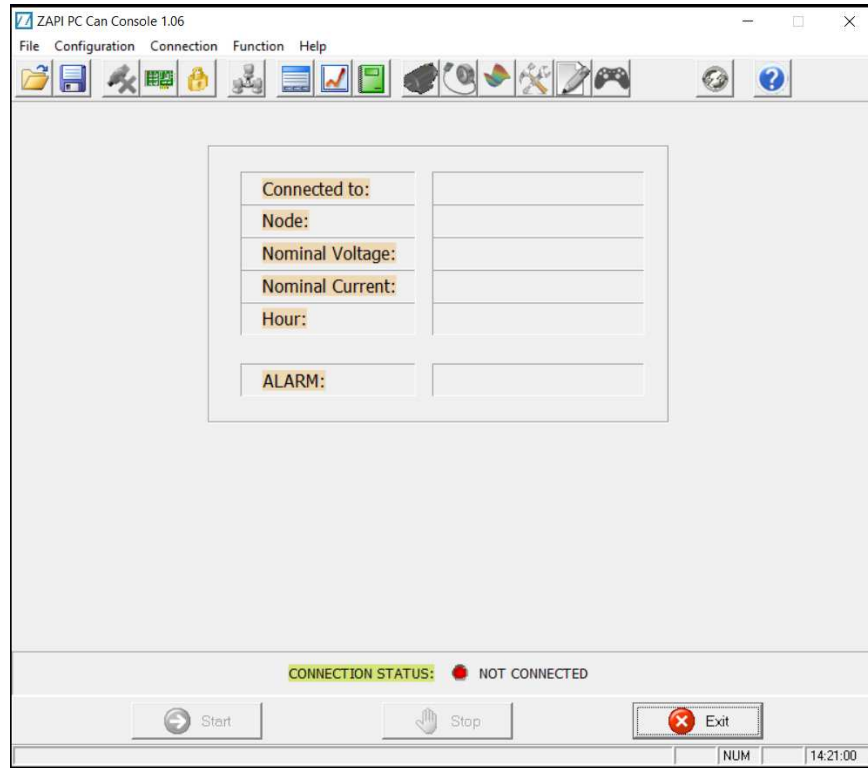
- canAnaluser3 Mini : which allows you to make CAN recordings

https://www.ixxat.com/products/products-industrial/tools-overview/cananalyser/cananalyser-lite-standard
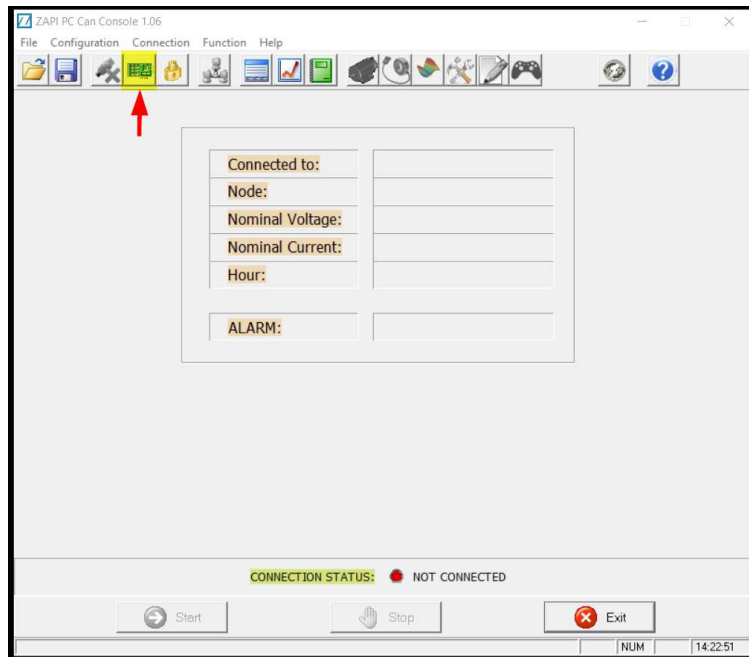
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First connection to inverter

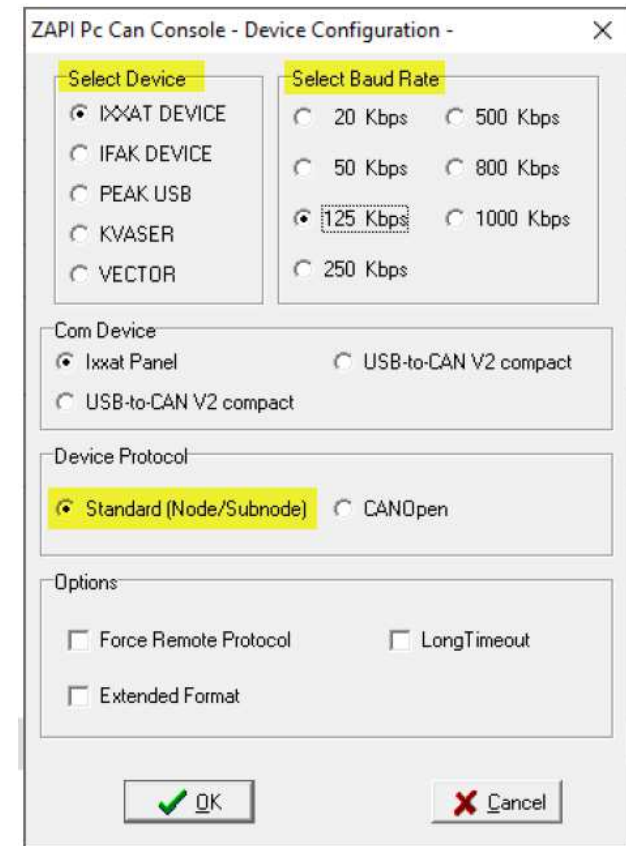3. Run ZpCanConsole, the following basic screen will open

First connection to inverter

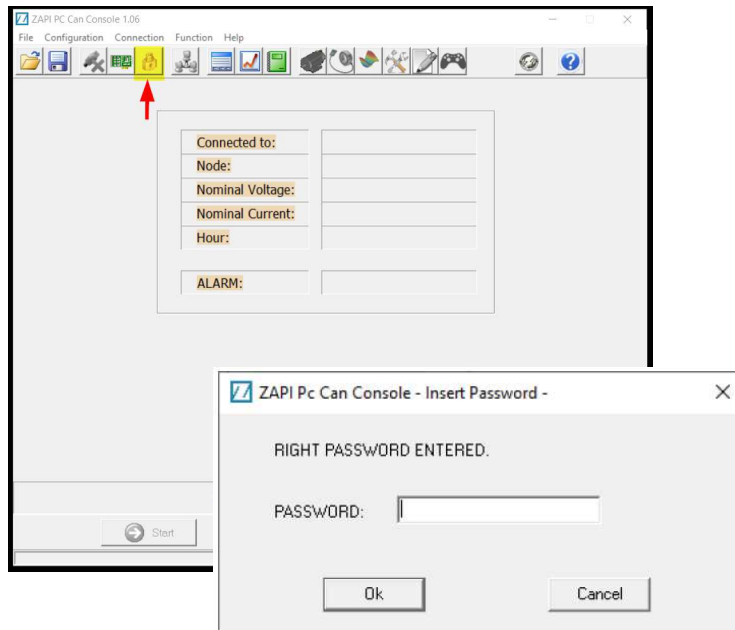4. Open the select screen for the device you want to use

5. Select the device and communication speed. Attention during the first start-up it may be necessary to do the test with more speed. The information below changes according to the selected device. Refer to Standard Protocol or CANOpen protocol and click OK.
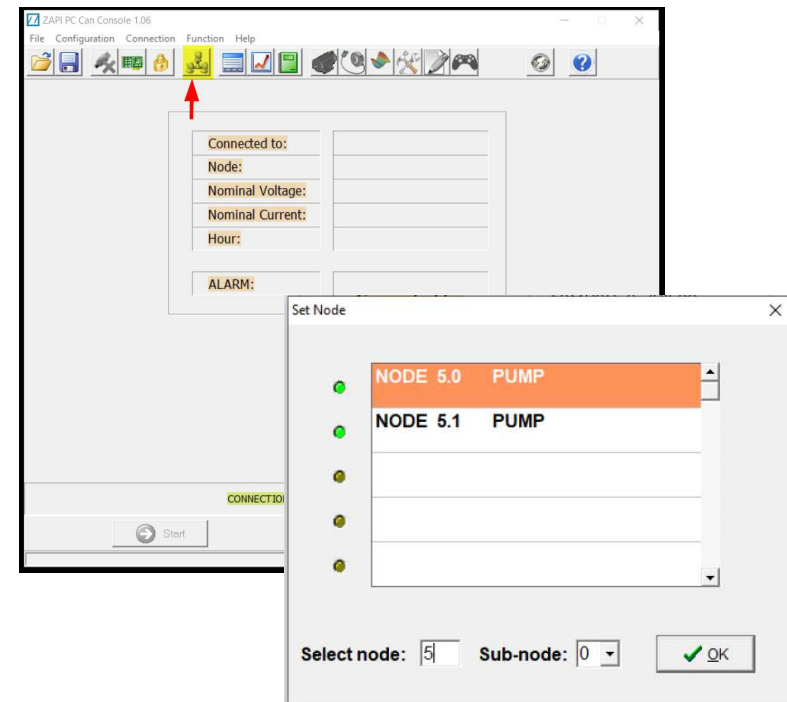
First connection to inverter

6. Unlock with the specific command.
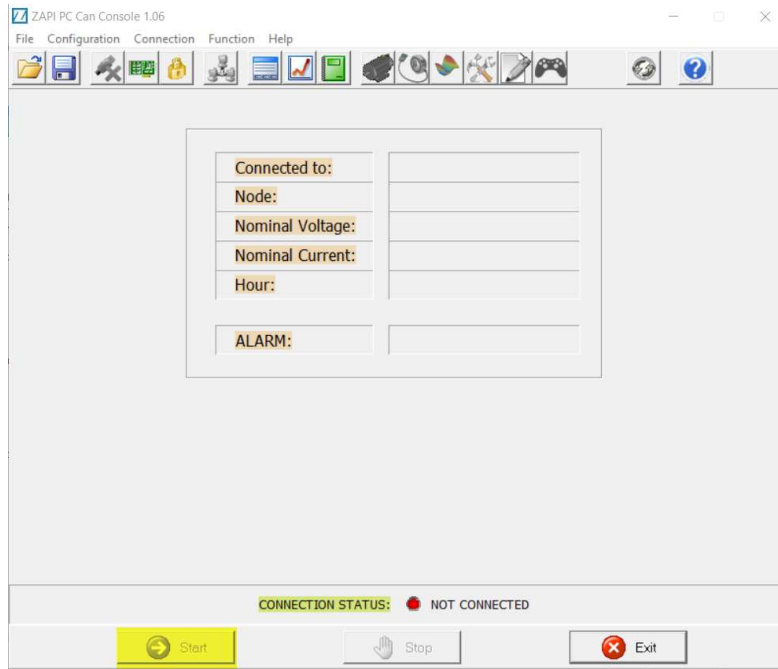Enter the password «ZAPI»

7. Search fot the inverter node, then select the first one that appears. Example : for traction controller node 2 (Standard protocol) or node 8 (CANOpen)

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8. Press START. The computer will initiate the connection, the traffic light should change from red (not connected) to green (connected).
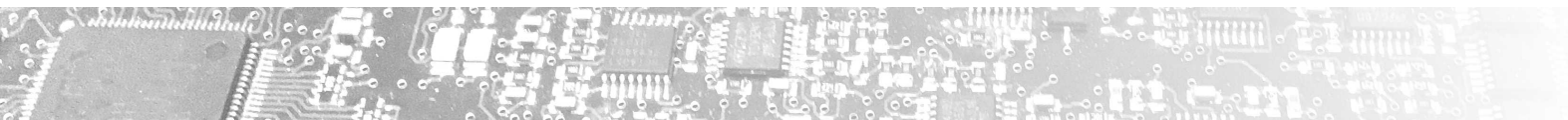
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ATTENTION:

If in point 7 do not see the nodes or if in point 8 you are unable to make the connection, the possible causes may be:

- Unbalanced CAN line (therefore resistance different from 60 Ohm)

- wires CAN H e CAN L reversed

- Inverter not switched on (therefore no power arrives on the key input)

- Multiple devices communicate on CAN with different speeds → In this case it is necessary to isolate the inverter in order to act only on that one (so remove all the other devices on the CAN line)

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www.zapigroup.com