

Modbus Encoder Parametrization via Command Lines



> E.g.: OCD-EM00B-0013-S06V-PRM

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> Context

This document describes how to configure a Modbus/TCP encoder by using command lines.

This is particularly useful in case of Java related issues, e.g. when the message *“Exception while opening stream with IP...”* is displayed.

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> Download Tool from our website

From any Modbus/TCP [product page](#), download the web applet by clicking on **Tools** under the **Downloads** section.

IXARC Absolute Rotary Encoder

OCD-EM00B-0013-S06V-PRM



Downloads

- ▲ Datasheet
- ▲ 2D Drawing
- ▲ Manual
- ZIP Tools
- ZIP 3D Drawing Jawing Flange
- ZIP 3D Drawing Housing
- ▲ CE Certificate
- ▲ UL Certificate
- ▲ ISO Certificate

Accessories

Connectors & Cables

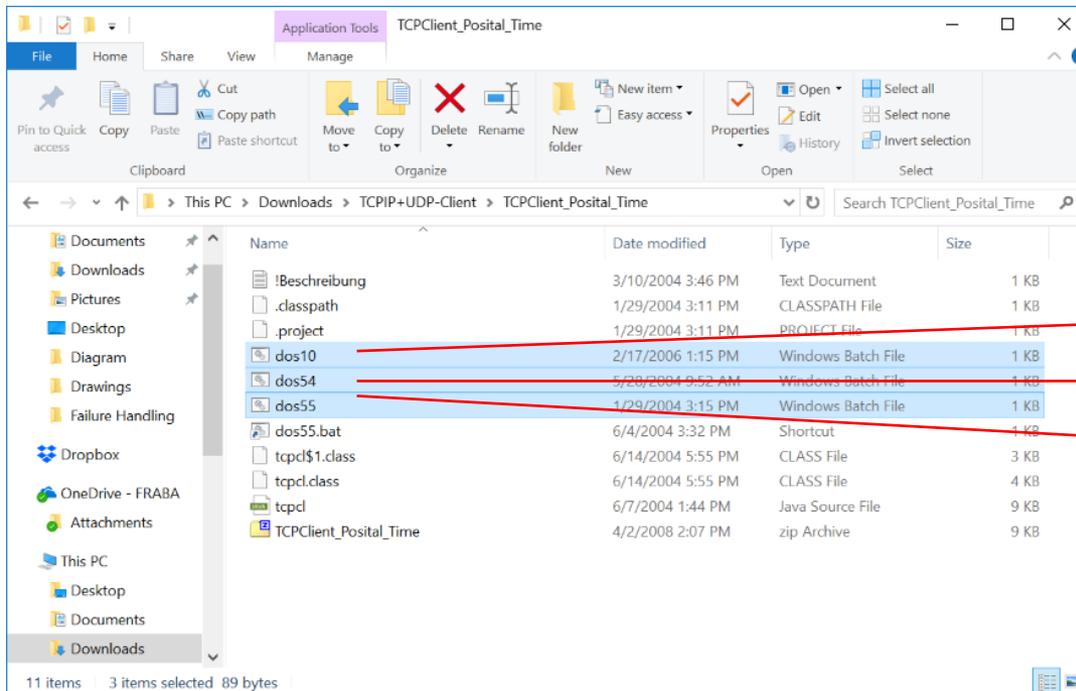
- ▶ 10m PUR Cable, 5pin, A-Coded, f
- ▶ 2m PUR Cable, 5pin, A-Coded, f
- ▶ 5m PUR Cable, 5pin, A-Coded, f
- ▶ More

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➤ Go into the TCP Client folder

After extracting the folder, go under the **TCPCClient_Posital_Time** folder.
You will find 3 Batch Files, to be used based on the IP address of the encoder:



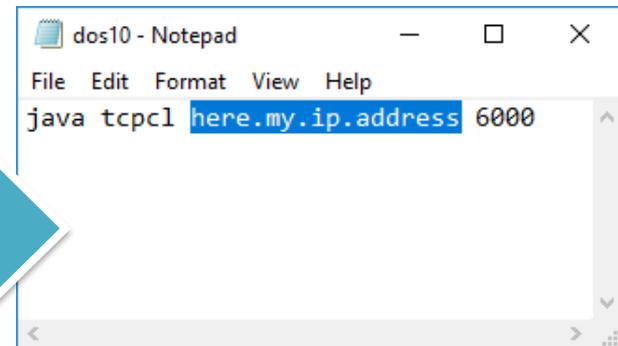
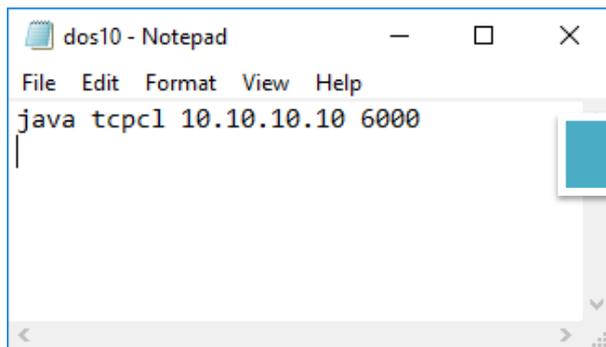
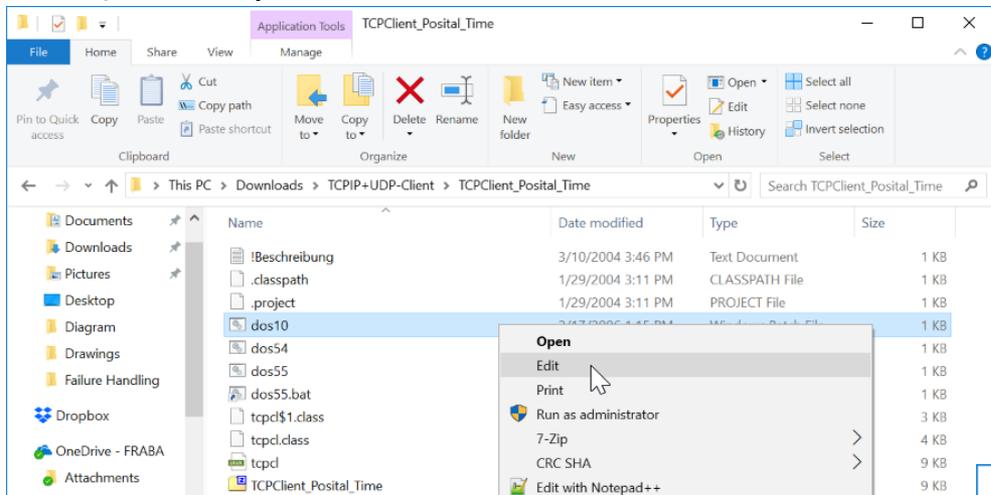
Batch File	IP address
dos10	10.10.10.10
dos54	198.100.100.54
dos55	198.100.100.55

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➤ Modify the batch file (if necessary)

If the encoder has a different IP address, open any Batch File (right click + Edit) and replace the IP address in it with the one of the encoder.

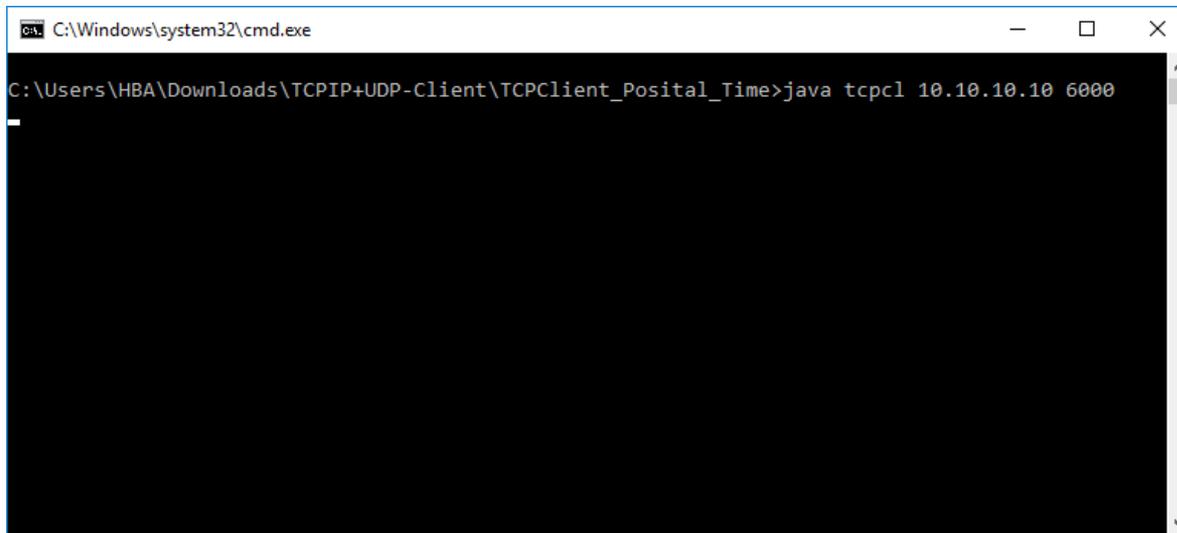


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> Start the batch file

Double click on the Batch File (the one with the correct IP address).
A command window will open.



```
C:\Windows\system32\cmd.exe
C:\Users\HBA\Downloads\TCPIP+UDP-Client\TCPClient_Posital_Time>java tcpcl 10.10.10.10 6000
```

Note:

It can happen that you see lines constantly appearing, reading the position value of the sensor.

It is not a problem: it won't prevent you to perform the further steps.

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> **Type in the command line**

Inside the commande window, type in your command line.

The format to use is: **Variable=Value**

E.g. **CountingDir=CCW**

You can find the list of Variables and Values in our [online manual](#), 5.6.2 Variables, page 18.