

## Modbus Encoder Parametrization via Command Lines



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

# POSITA

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## FRABA

### > 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
- Tools**
- 3D Drawing Flange
- 3D Drawing Housing
- CE Certificate
- UL Certificate
- ISO Certificate

#### Accessories

##### Connectors & Cables

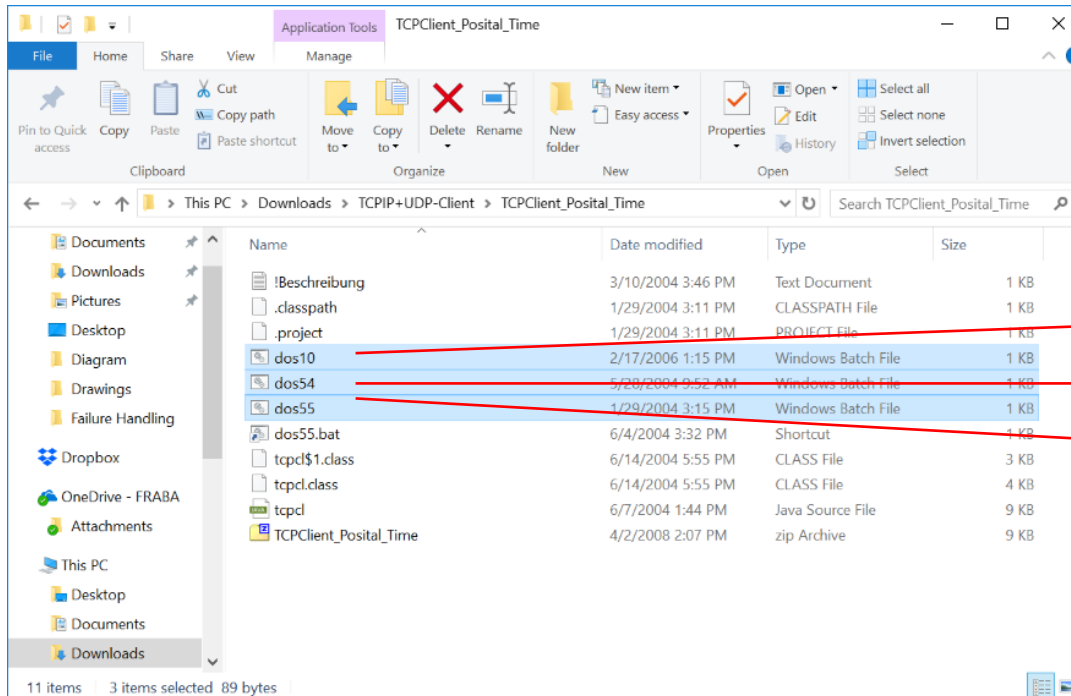
- 10m PUR Cable, 5pin, A-Coded, f
- 2m PUR Cable, 5pin, A-Coded, f
- 5m PUR Cable, 5pin, A-Coded, f
- More**

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### > Go into the TCP Client folder

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



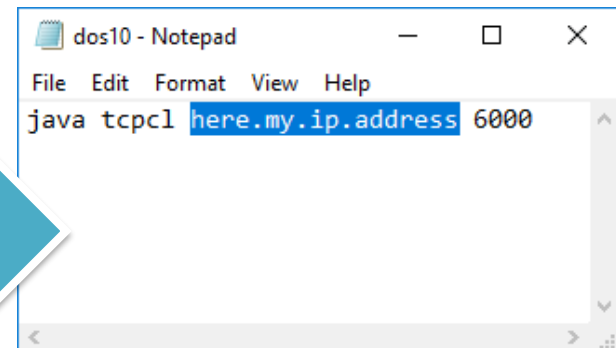
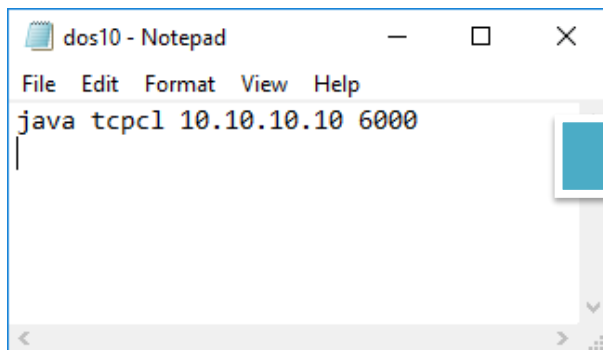
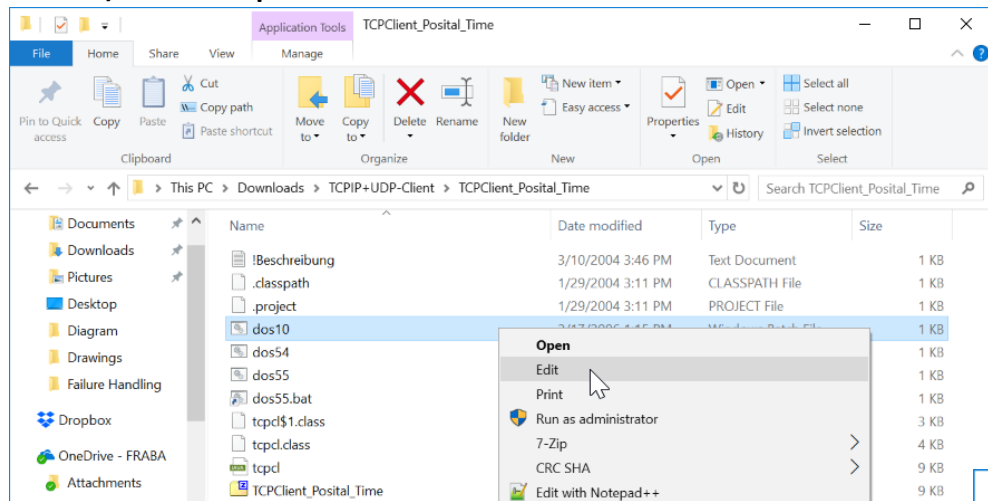
| Batch File | IP address     |
|------------|----------------|
| dos10      | 10.10.10.10    |
| dos54      | 198.100.100.54 |
| dos55      | 198.100.100.55 |

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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.

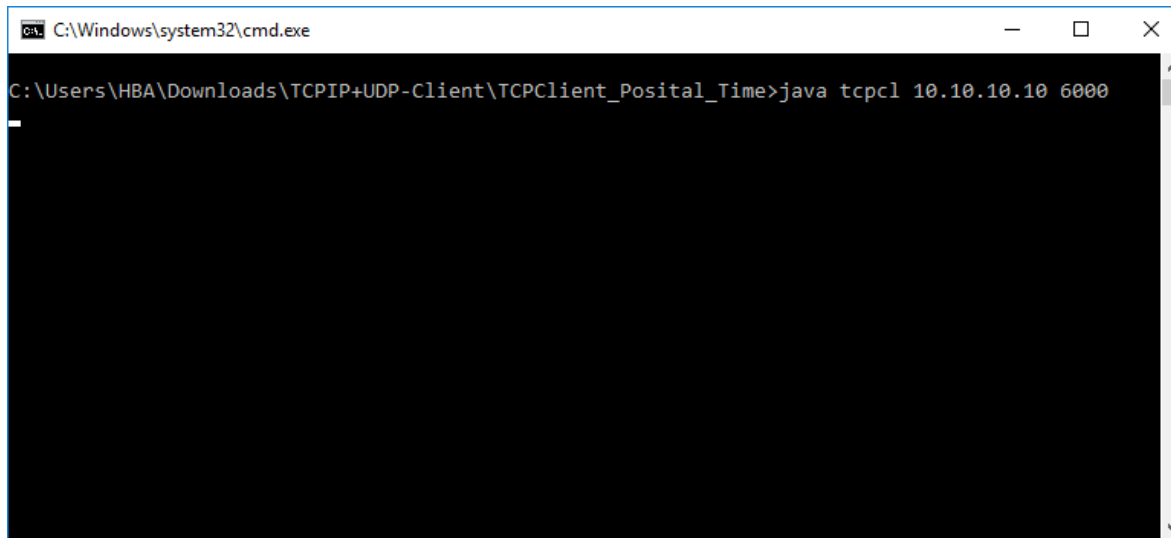


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### > Start the batch file

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.