POSITAL

Modbus Encoder
Parametrization via Command Lines

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

> 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.

▶ 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 Flange
- ZIP 3D Drawing Housing
- CE Certificate
- UL Certificate
- ISO Certificate

Accessories
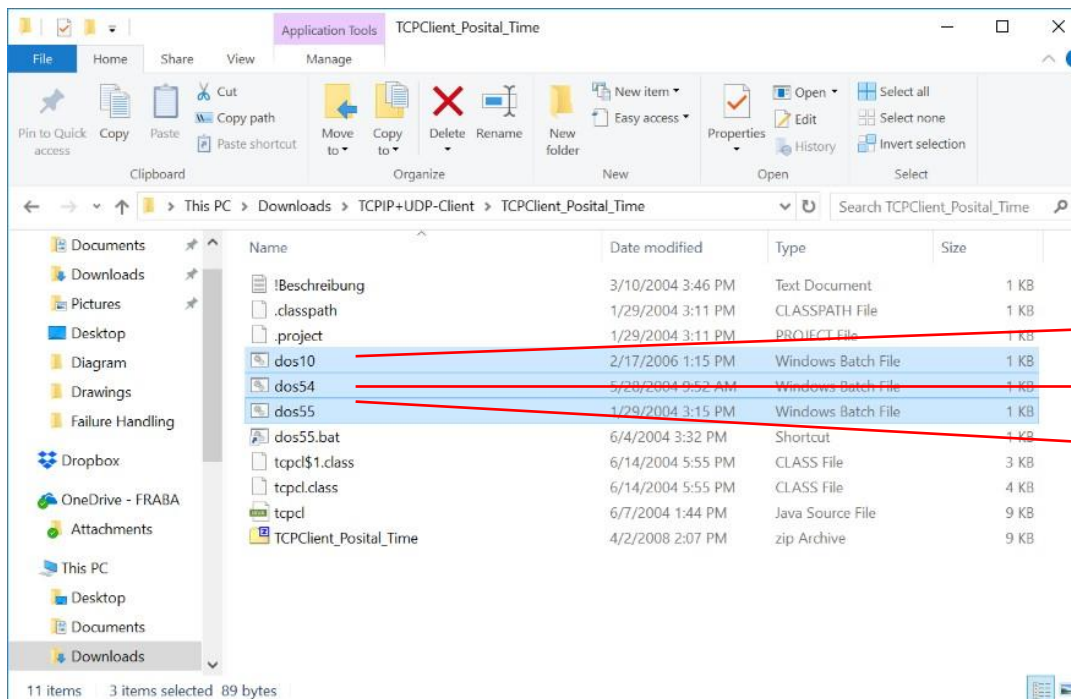
Connectors & Cables

- ▶ 10m PUR Cable, 5pin, A-Coded, f
- ▶ 2m PUR Cable, 5pin, A-Coded, f
- ▶ 5m PUR Cable, 5pin, A-Coded, f
- ▶ More
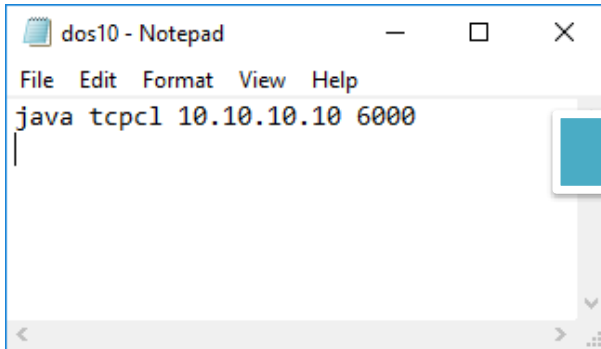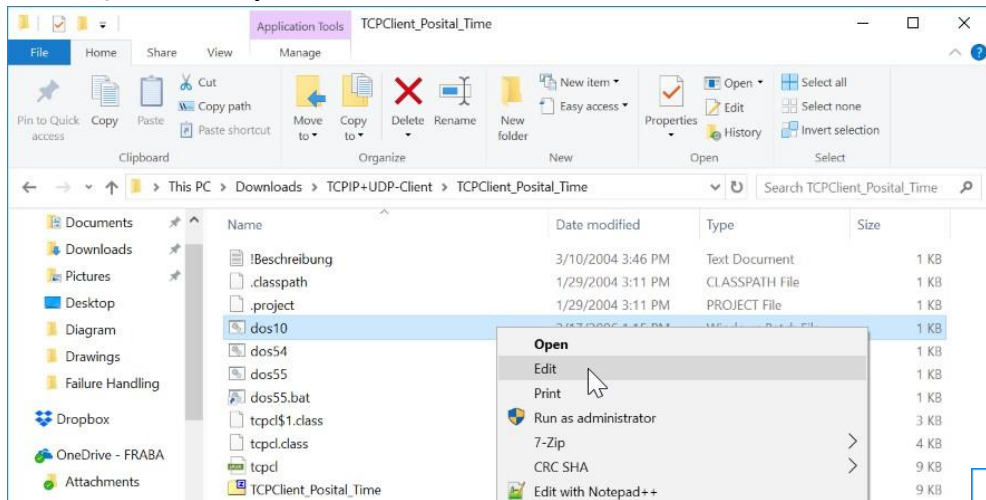
❯ Go into the TCP Client folder

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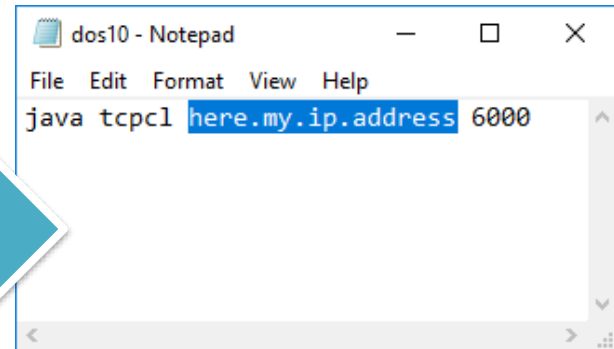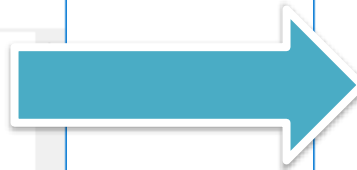You will find 3 Batch Files, to be used based on the IP address of the encoder:

Batch File	IP address
dos10	10.10.10.10
dos54	198.100.100.54
dos55	198.100.100.55

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.
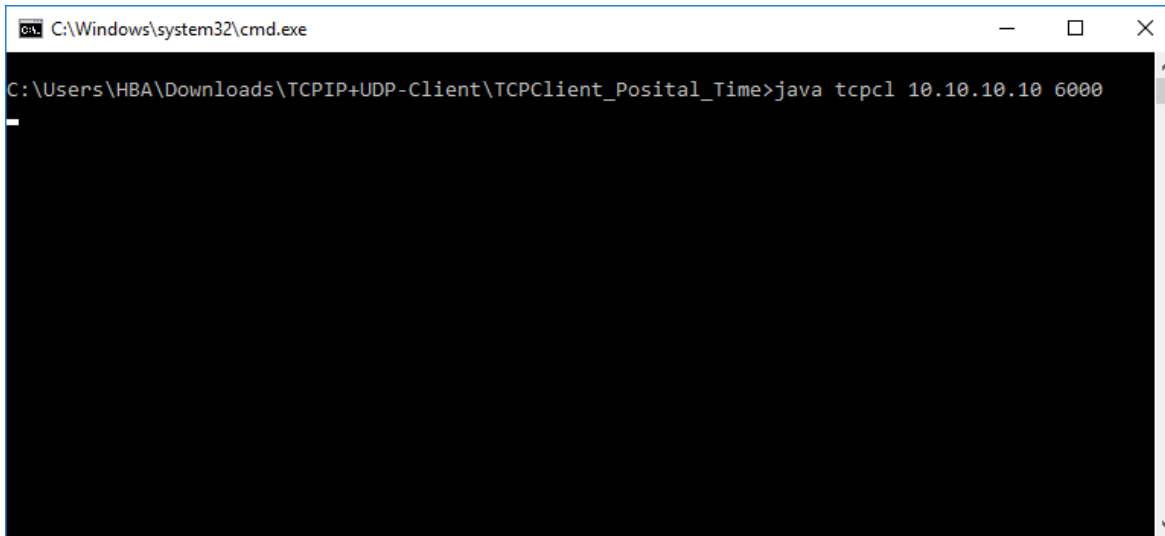
> Start the batch file

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

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.

> 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.