PNOZmulti Serial-to-Ethernet connection

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Document Revision History

Release	Date	Changes	Chapter
01	2008-11-21	Creation	all
02	2010-07-26	Make ready for Internet-Release	only logistic data
03	2011-03-21	Adjustments for publication	only editorial

Exclusion of liability

We have taken great care in compiling our application note. It contains information about our company and our products. All statements are made in accordance with the current status of technology and to the best of our know-ledge and belief.
However, we cannot accept liability for the accuracy and entirety of the information provided, except in the case of gross negligence. In particular it should be noted that statements do not have the legal quality of assurances or assured properties.
We are grateful for any feedback on the contents.

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Contents

Abbreviations

W&T   Wiesemann & Theis GmbH (www.WuT.de)

1. Useful documentation

Reading the documentation listed below is necessary for understanding this application note. The availability of the indicated tools and safe handling are also presupposed with the user.

1.1. Documentation from Pilz GmbH & Co. KG

No.	Description	Item No.
1	Pilz international homepage, download section	www.pilz.com
2	PNOZ m1p Operating manual	20 878-EN-xx
3	PNOZ m1p – Diagnostic interface Operating manual	20 998-xx
4	PNOZmulti Range Safety manual	21 103-EN-xx
5	PNOZ m1p Product Modifications	21 219-xx
6	PNOZmulti Technical Catalogue	1001153-EN-xx

1.2. Documentation from other sources of information

No.	Description	Item No.
1	Whiesemann & Theis international homepage	www.WuT.de
2		

2. Hardware configuration

No.	Hardware	Version
01	PNOZ m1p	5.2
02	Com Server Highspeed Industry 10/100BaseT	58631 / 58631_UL

No.	Software	Version
01	PNOZmulti Configurator	5.3.0 build 46
02	COM Port Redirector ("COM-Umlenkung")	00102 (Windows NT/2000/XP/2003)

3. Application Task

3.1. Things you have to do, before you use this application note.
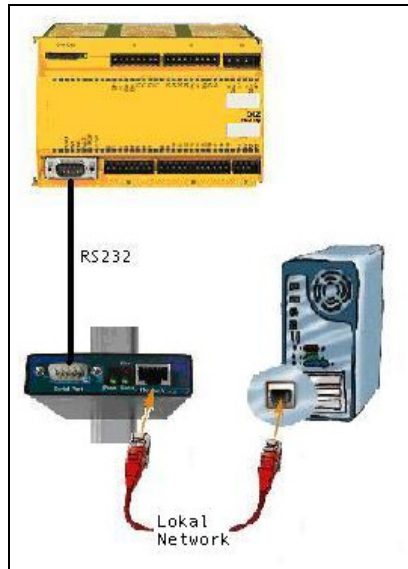
Fig. 1: Connection to the modules

▸ The W&T Com Server has assigned an IP-address.
  In this example the IP-address is 172.16.211.3
▸ The Serial Port is RS232.
▸ Connect the Com Server to your network.
▸ Connect the Serial Port of the Com Server with the Serial Port of the PNOZmulti.
▸ Switch on the power to the Com Server and the PNOZmulti.

3.2. How to create a virtual COM-Port

To create a virtual COM Port, it is necessary to install the program "COM-Umlenkung" (COM Port Redirector) of the company Wiesemann & Theis GmbH.

▸ If you installed the program you can find it in the "system control"

Fig. 2: Icon COM

▸ Click on the "Com-Server" button.
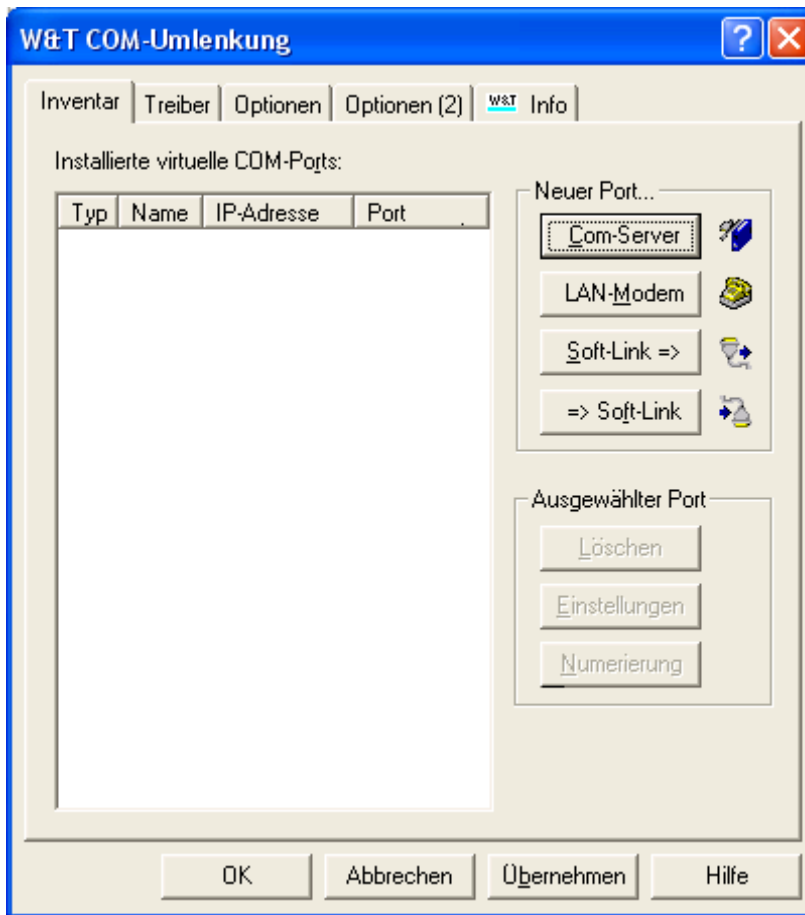
Fig. 3: Connect COM-Server - Step1

▸ Enter the IP-Adress in this block and press OK.
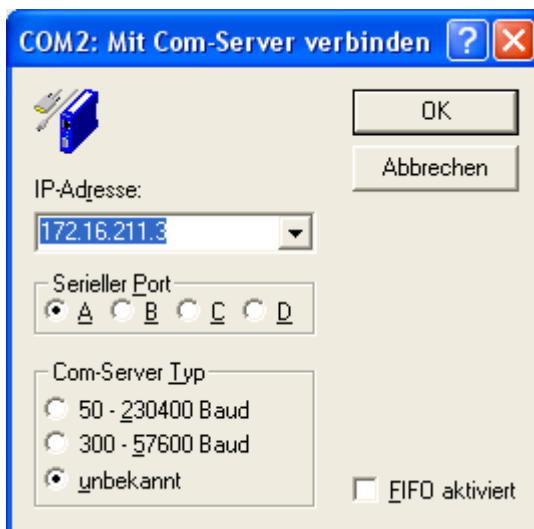
Fig. 4: Connect COM-Server - Step2

‣ Now you have created a virtual COM Port. In this example the COM Port is COM 2.
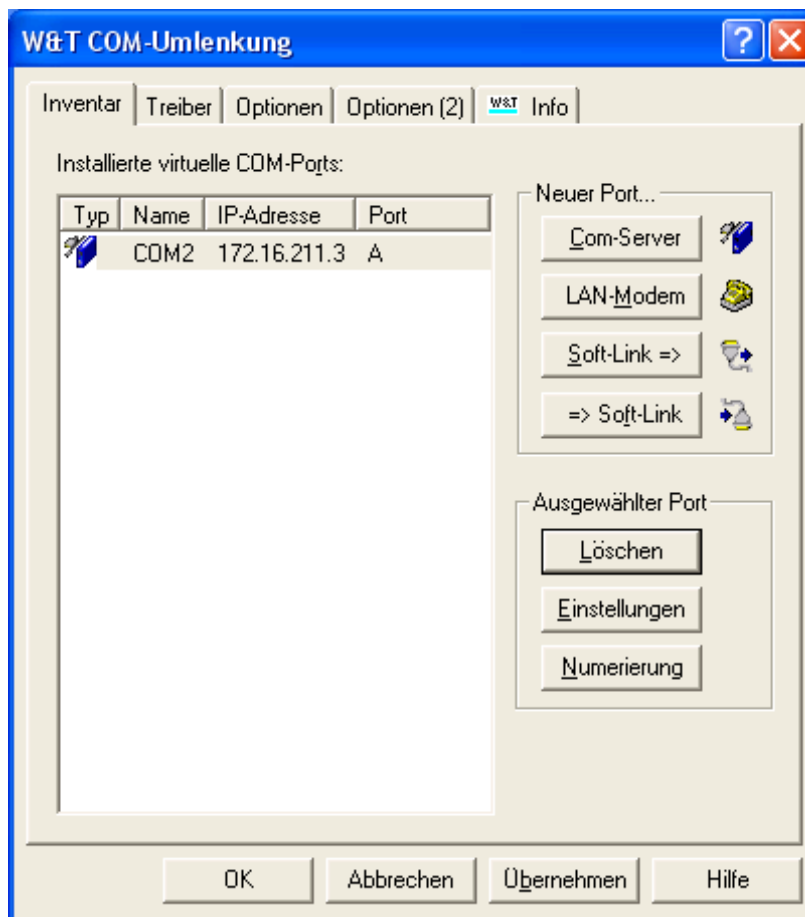
Fig. 5: Connection of COM-Server finished

3.3. PNOZmulti Configurator

‣ Start the PNOZmulti Configurator.
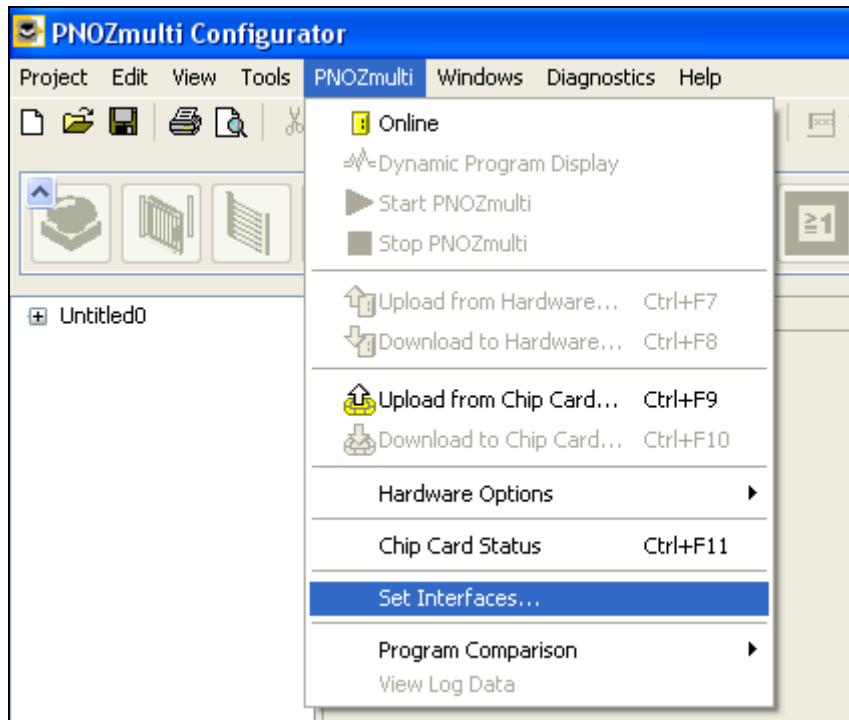‣ Click on the "PNOZmulti" button and go to "Set Interfaces…"

Fig. 6: PNOZmulti Configurator – Set Interfaces Step1

‣ Choose the virtual COM Port and press OK.
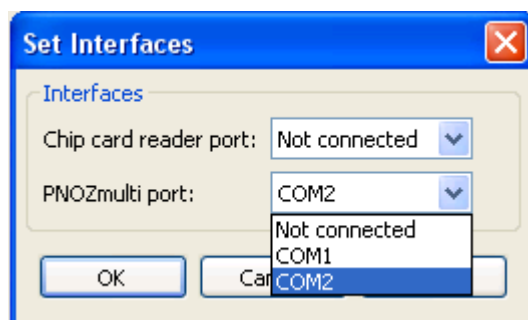
Fig. 7: PNOZmulti Configurator – Set Interfaces Step2

3.4. Program the PNOZmulti

▸ Create a new project
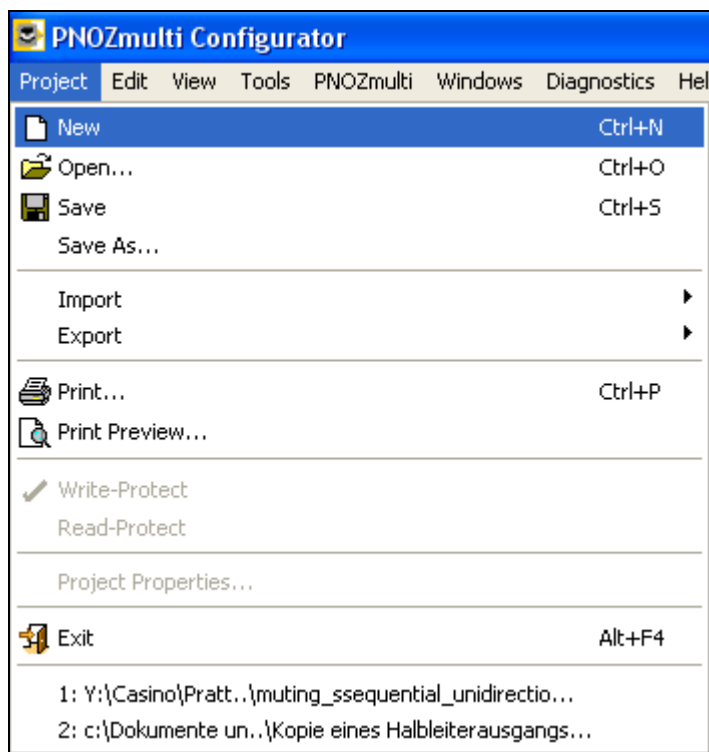
Fig. 8: PNOZmulti Configurator – Create New Project

▸ If the program is ready connect with the PNOZmulti.
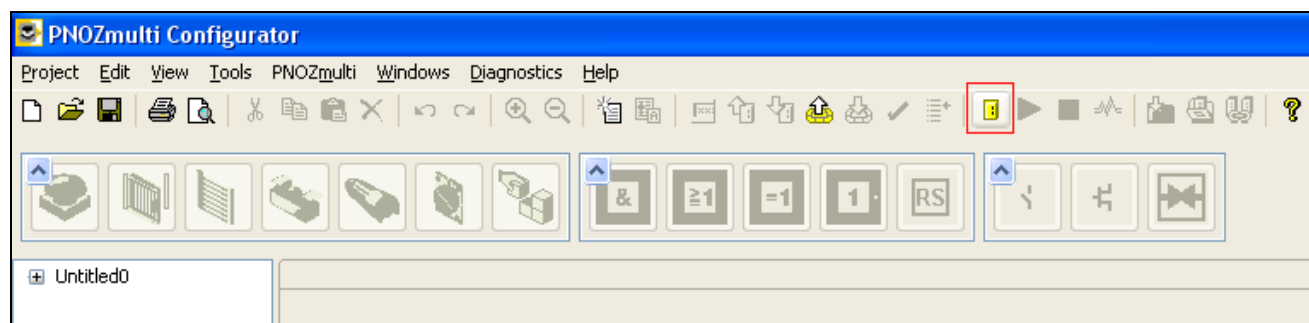
Fig. 9: PNOZmulti Configurator – Connect Hardware

▶ Download to Hardware
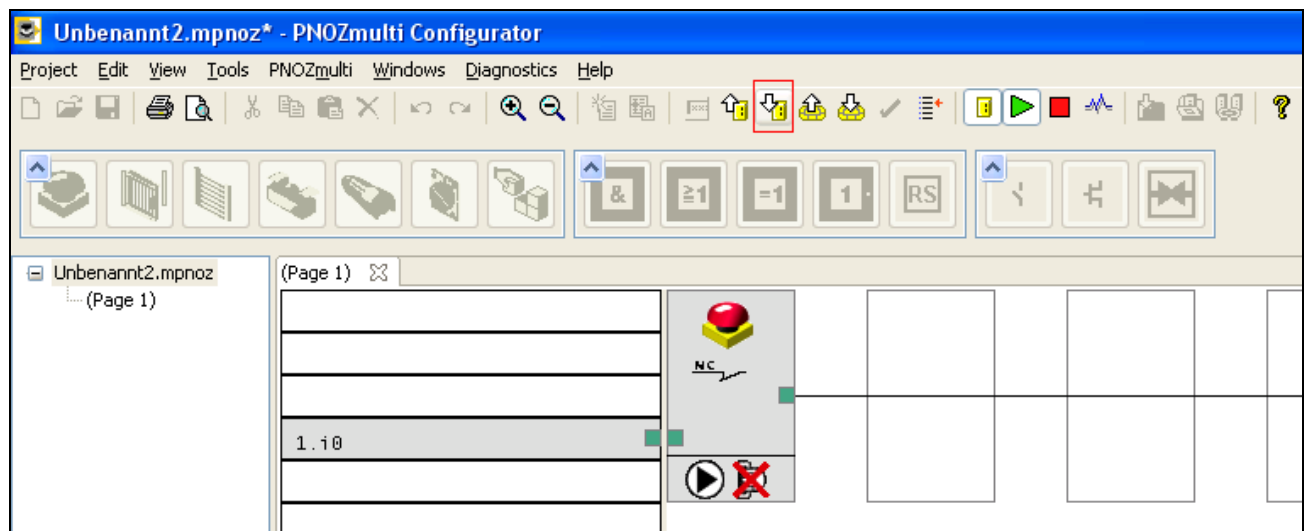
Fig. 10: PNOZmulti Configurator – Hardware connected
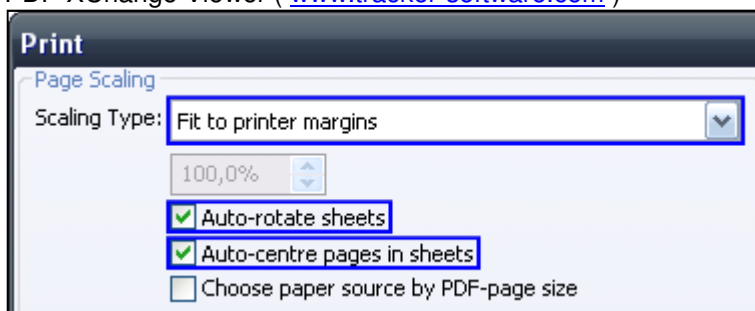
4. Table of figures

Recommended printer settings

Adobe Acrobat Reader (www.adobe.com)
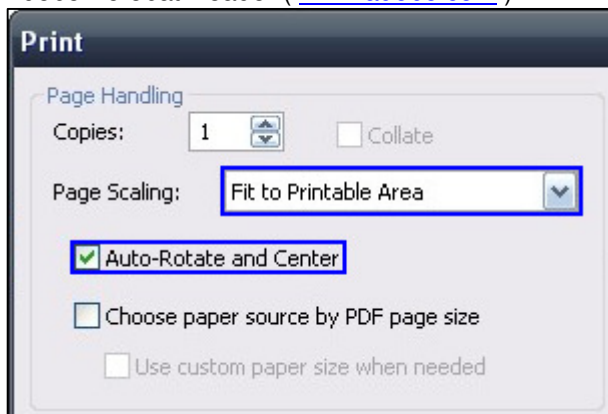
PDF-XChange Viewer (www.tracker-software.com)

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