

„Software-GridVis®“ Schnell Einstieg für die Gerätereihe UMG 96RM



GridVis® ist ein Software-Produkt zur Konfiguration von Messgeräten. Es ist ein Web-Interface, das über einen Browser zugänglich ist.

1 Allgemeines

Dieser Schnell Einstieg in unsere Software GridVis® ist eine Beilage zu den Benutzerhandbüchern und Installationsanleitungen für die Gerätereihe UMG 96RM. Die folgenden Schritte beschreiben die gängigsten Verbindungen zur Kommunikation zwischen PC und Gerät.

Bitte lesen und verstehen Sie zusätzlich die produktbegleitenden Informationsprodukte und insbesondere die darin enthaltenen sicherheitsrelevanten Informationen.

Haftungsausschluss
Die Beachtung der Informationsprodukte zu den Geräten ist Voraussetzung für den sicheren Betrieb und um angegebene Leistungsmerkmale und Produkteigenschaften zu erreichen. Für Personen-, Sach- oder Vermögensschäden, die durch Nichtachtung der Informationsprodukte entstehen, übernimmt die Janitza electronics GmbH keine Haftung. Sorgen Sie dafür, dass Ihre Informationsprodukte lesbar zugänglich sind.

Weiterführende Dokumentationen finden Sie auf unserer Website www.janitza.de unter Support > Downloads.

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SICHERHEIT
Bitte beachten Sie Sicherheitshinweise in diesem Dokument, die wie folgt dargestellt sind und folgenden Gefährdungsgrad für unsere Software beinhalten:

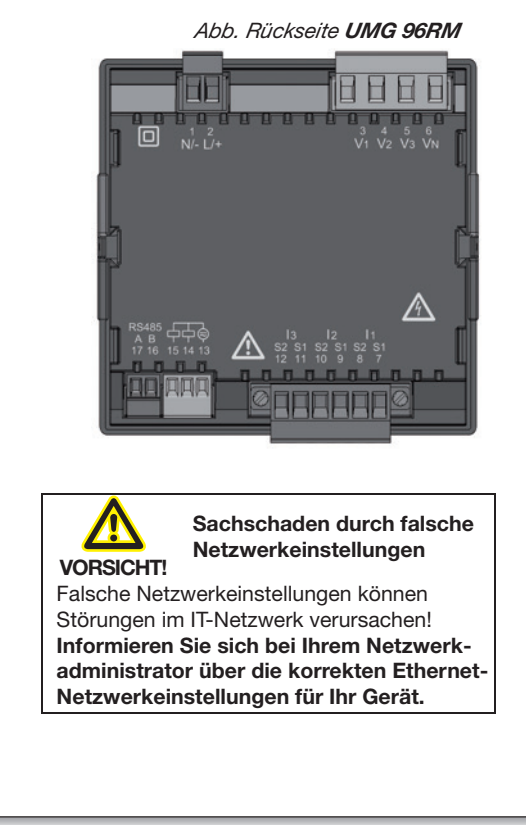
- VORSICHT!** Weist auf gefährliche Situationen hin, die z.B. zu Sachschäden durch Datenverlust oder Störungen im IT-Netzwerk führen können.
- HINWEIS!** Dieses Symbol mit dem Wort HINWEIS! beschreibt wichtige Informationen, Verfahren oder Handlungen.

2 UMG 96RM - PC-Verbindungen

Verbindungen zur Kommunikation zwischen PC und Gerät:

- PC -> RS232 -> RS485 -> UMG 96RM
- PC -> Ethernet -> UMG 604 -> RS485 -> UMG 96RM

Die gängigste Verbindung zur Kommunikation zwischen PC und Gerät ist die Verbindung über UMG 604 als Gateway (2.).



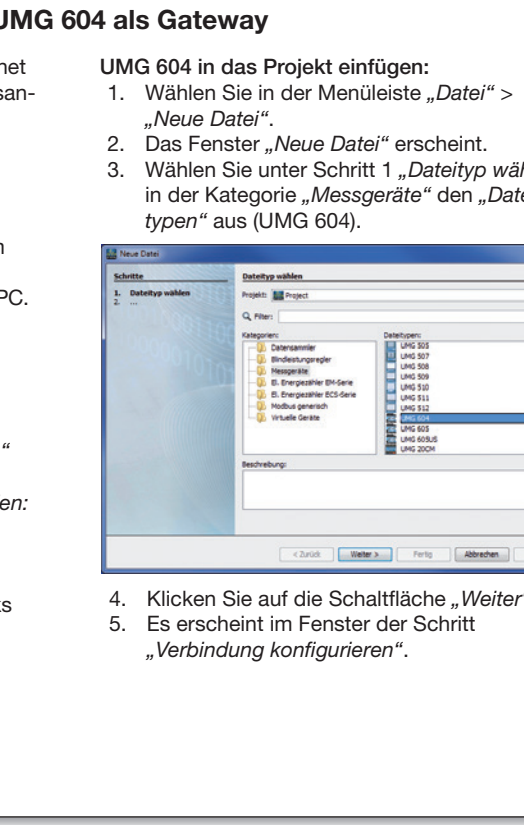
3 UMG 96RM-E, -EL, -PN - PC-Verbindungen

Verbindungen zur Kommunikation zwischen PC und UMG 96RM-E:

- PC -> Ethernet -> UMG 96RM-E
- DHCP-Server -> PC -> Ethernet -> UMG 96RM-E
- PC -> RS232 -> RS485 -> UMG 96RM-E
- PC -> Ethernet -> UMG 96RM-E

Empfehlung für den Ethernet-Anschluss: Verwenden Sie mindestens CAT5-Kabel.

VORSICHT! Falsche Netzwerkeinstellungen können Störungen im IT-Netzwerk verursachen! Informieren Sie sich bei Ihrem Netzwerkadministrator über die korrekten Ethernet-Netzwerkeinstellungen für Ihr Gerät.



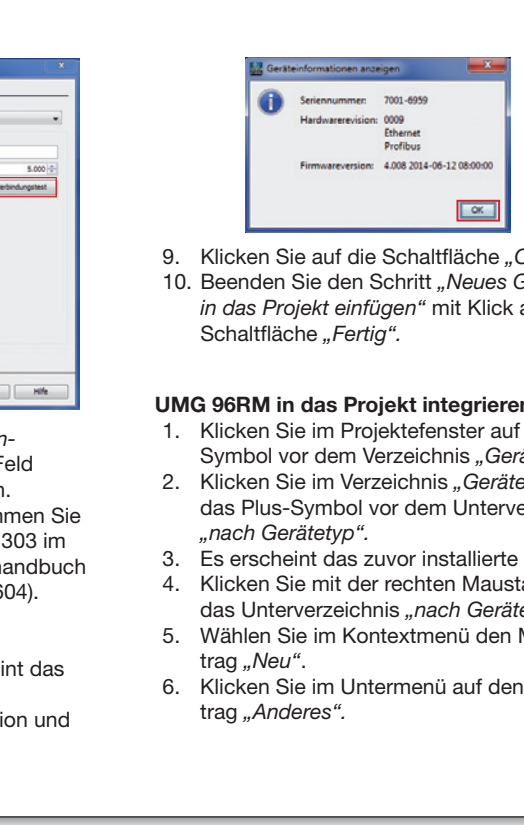
4 UMG 96RM-P, -CBM - PC-Verbindungen

Verbindungen zur Kommunikation zwischen PC und UMG 96RM-P/CBM:

- PC -> USB (Typ B) -> UMG 96RM-P/-CBM
- PC -> RS232 -> RS485 -> UMG 96RM-P/-CBM
- PC -> Ethernet -> UMG 604 -> RS485 -> UMG 96RM-P/-CBM

Die gängigste Verbindung zur Kommunikation zwischen PC und Gerät ist die Verbindung über USB (1.).

HINWEIS! Profibus-Schnittstelle! Informationen zur Einbindung Ihres UMG 96RM-P in Ihr Profibus-Netzwerk finden Sie im Benutzerhandbuch.



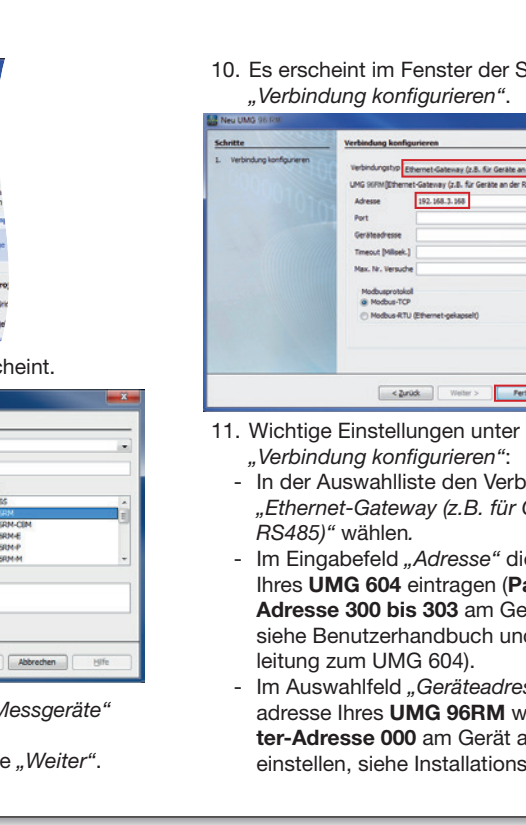
5 UMG 96RM-M - PC-Verbindungen

Verbindungen zur Kommunikation zwischen PC und Gerät:

- PC -> RS232 -> Pegelwandler -> M-Bus -> UMG 96RM-M
- PC -> Ethernet -> UMG 604 -> RS485 -> UMG 96RM-M

Die gängigste Verbindung zur Kommunikation zwischen PC und Gerät ist die Verbindung über Pegelwandler mit USB-Verbindung (2.).

VORSICHT! Falsche Netzwerkeinstellungen können Störungen im IT-Netzwerk verursachen! Informieren Sie sich bei Ihrem Netzwerkadministrator über die korrekten Ethernet-Netzwerkeinstellungen für Ihr Gerät.



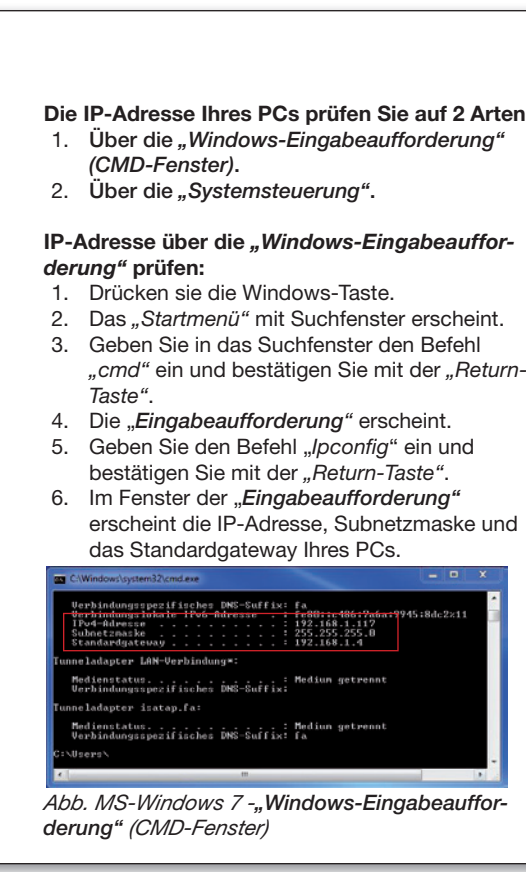
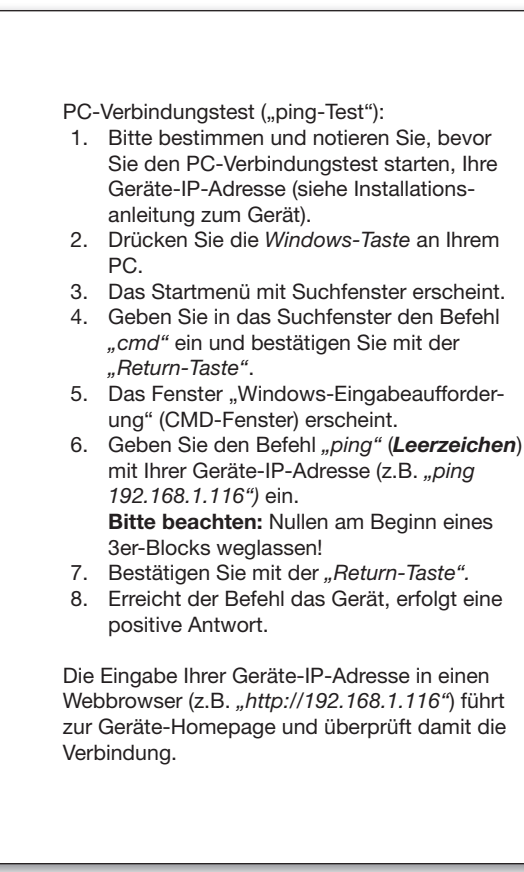
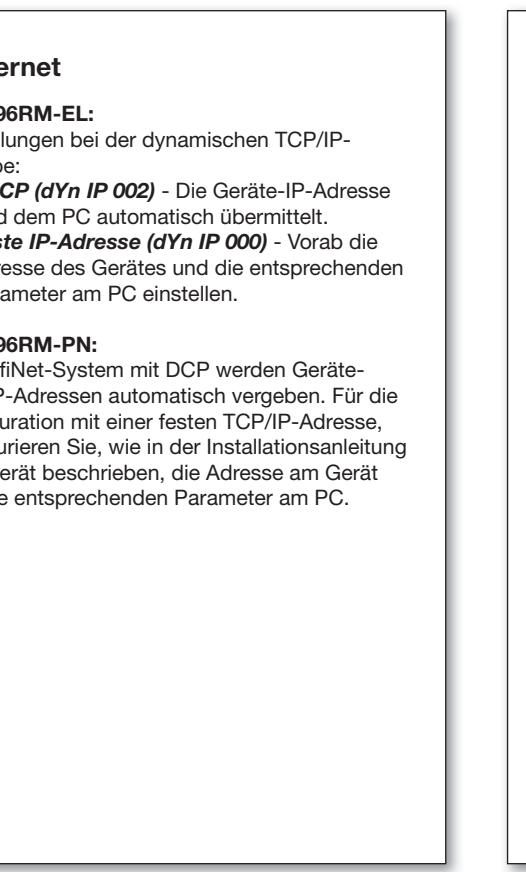
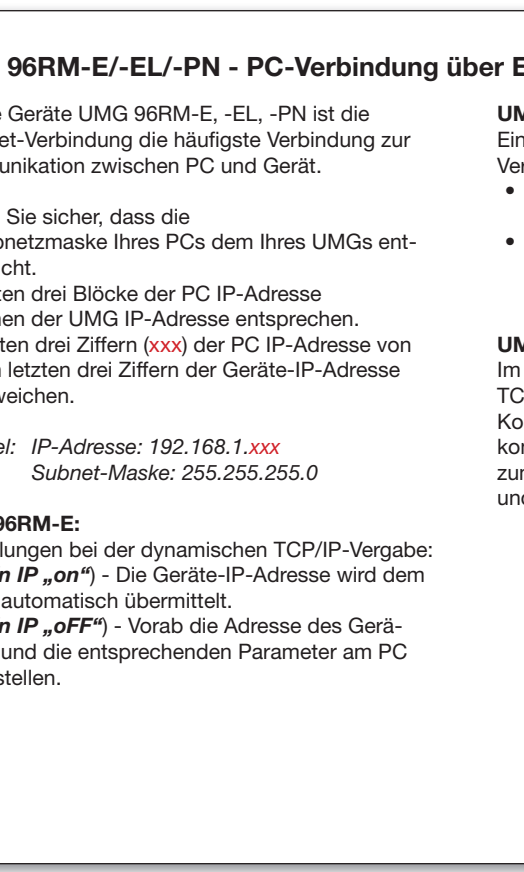
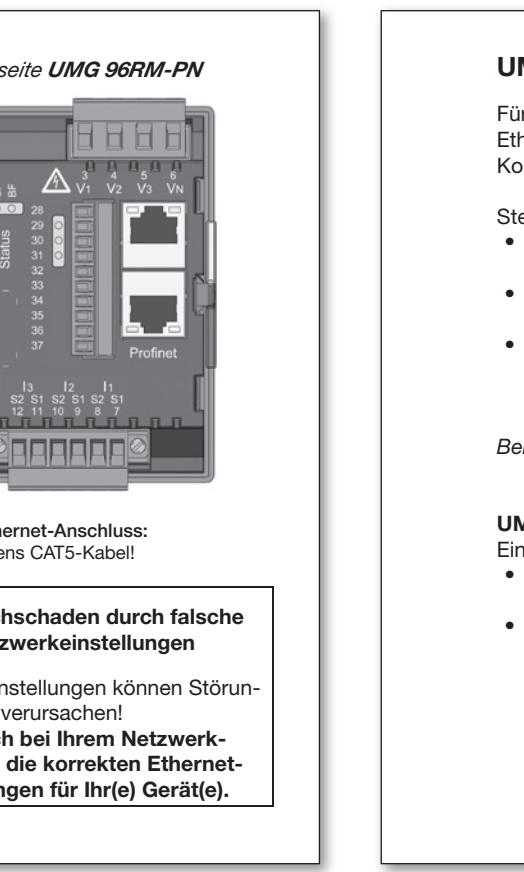
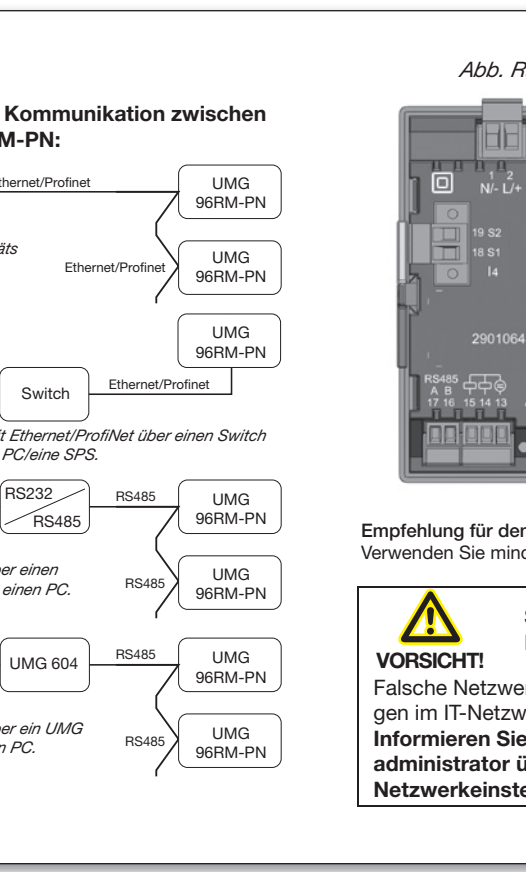
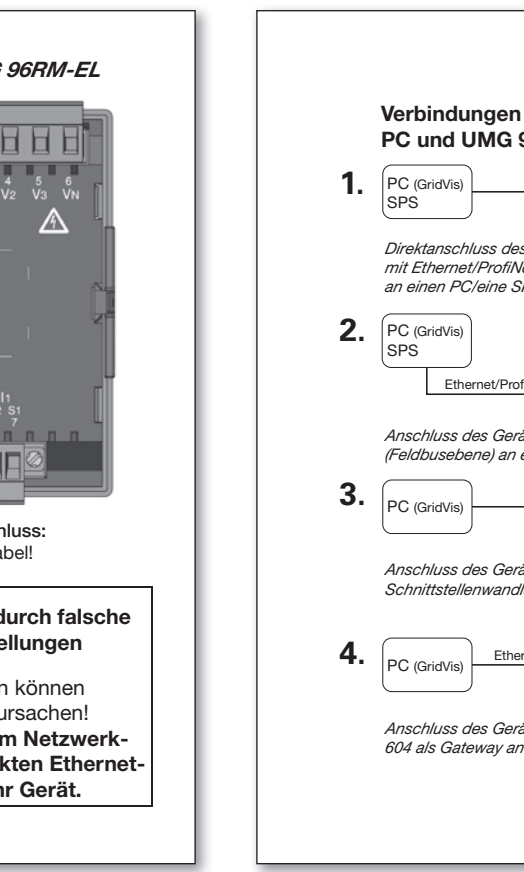
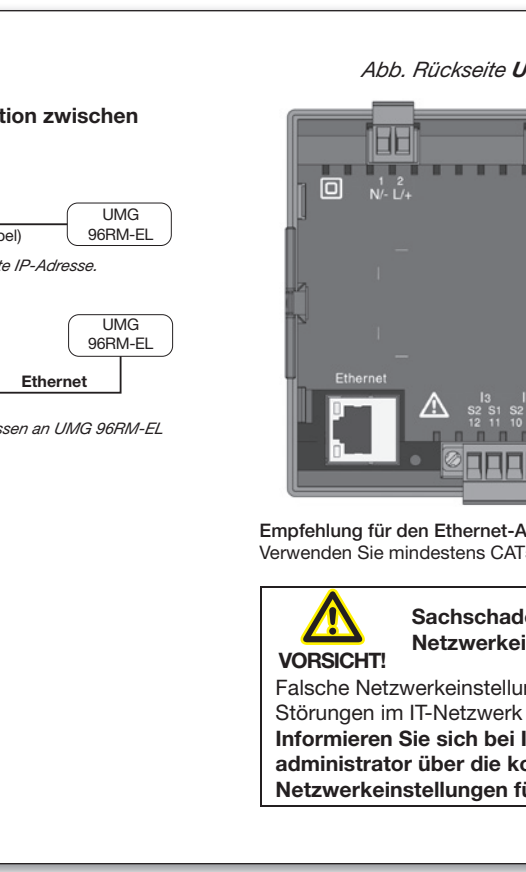
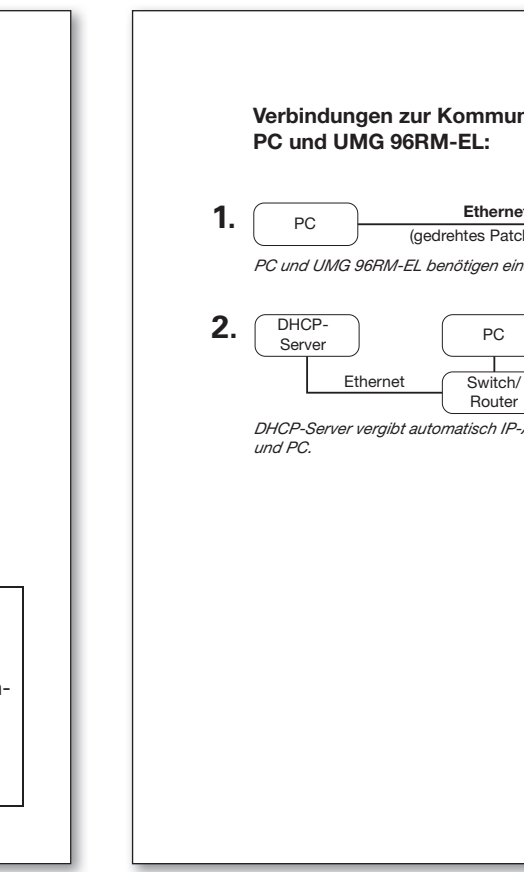
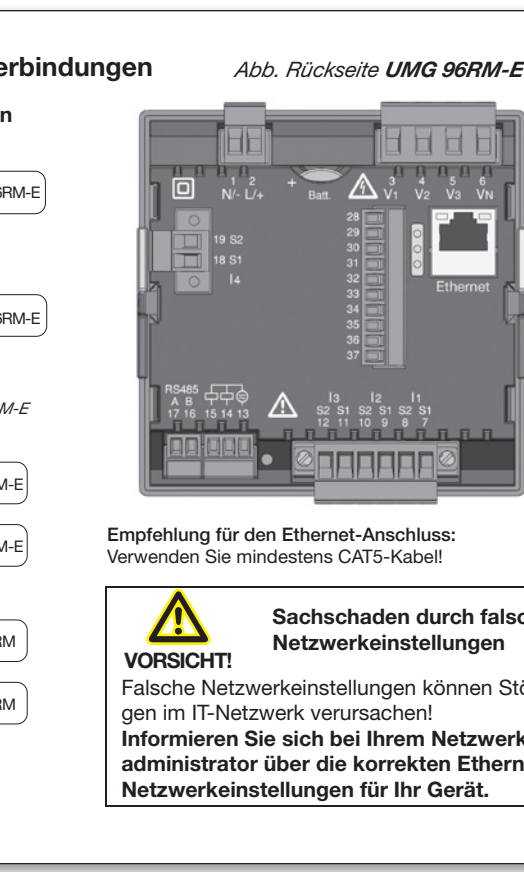
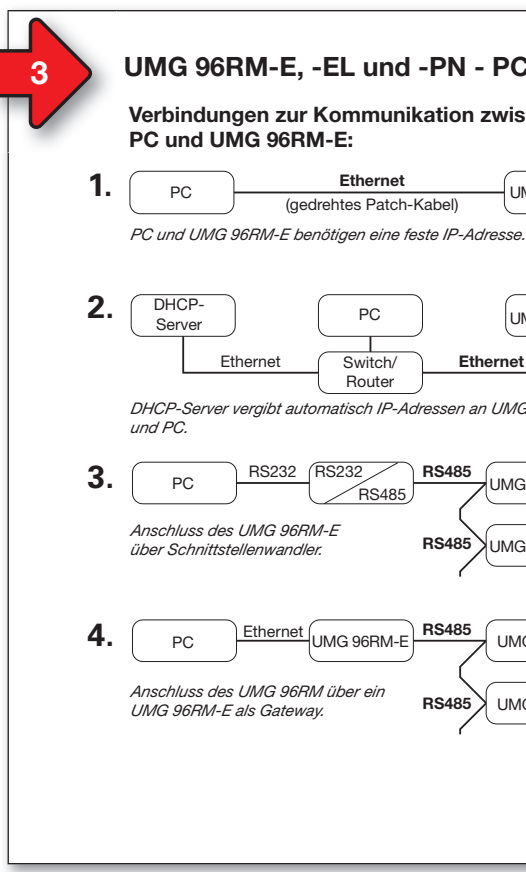
12. Klicken Sie auf die Schaltfläche „Verbindungstest“.

13. Bei positivem Verbindungstest erscheint das Fenster „Geräteinformation anzeigen“ mit der Seriennummer, Hardwareversion und Firmwareversion.

14. Klicken Sie auf die Schaltfläche „OK“.

15. Beenden Sie den Schritt „Neues Gerät in das Projekt einfügen“ mit Klick auf die Schaltfläche „Fertig“.

Eine Beschreibung der GridVis® Geräte-Konfiguration (Basis-Einstellungen) finden Sie ab Schritt 6.



IP-Adresse über die „Systemsteuerung“ prüfen:

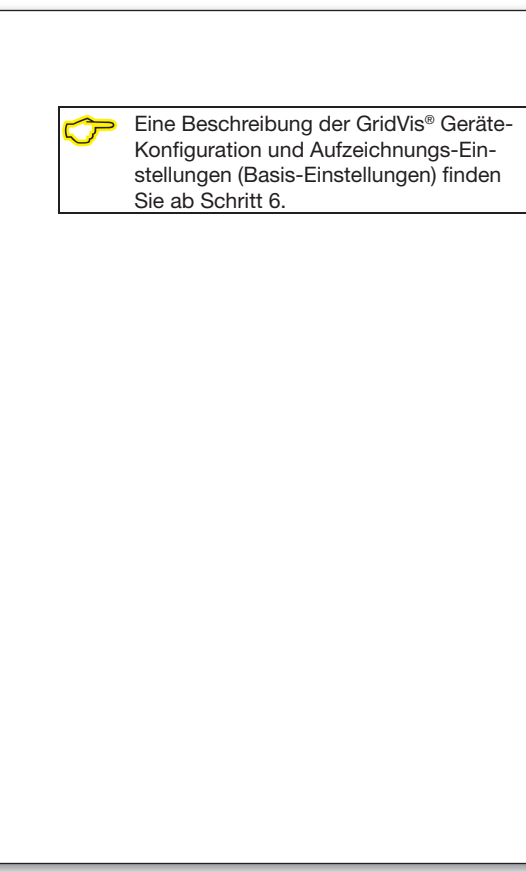
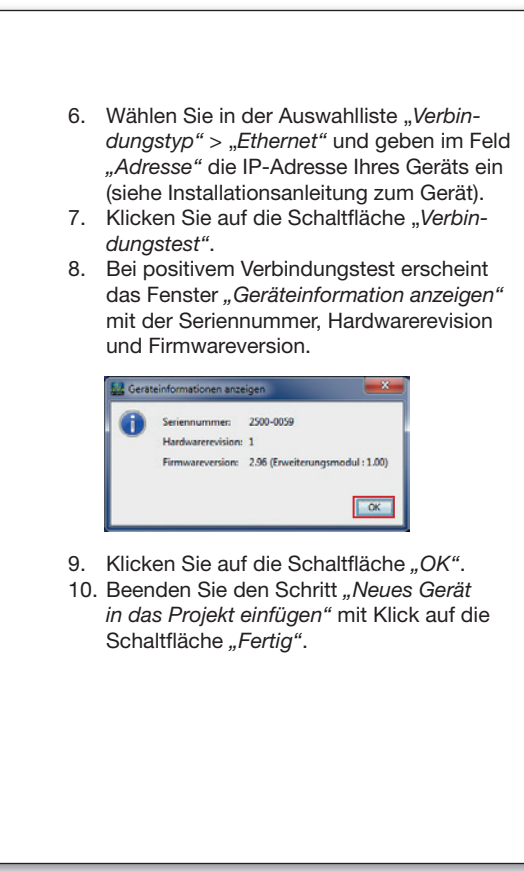
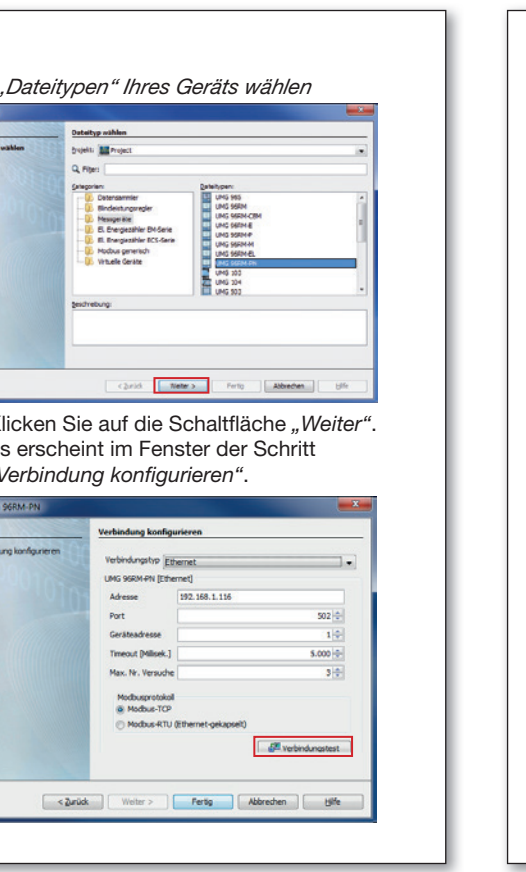
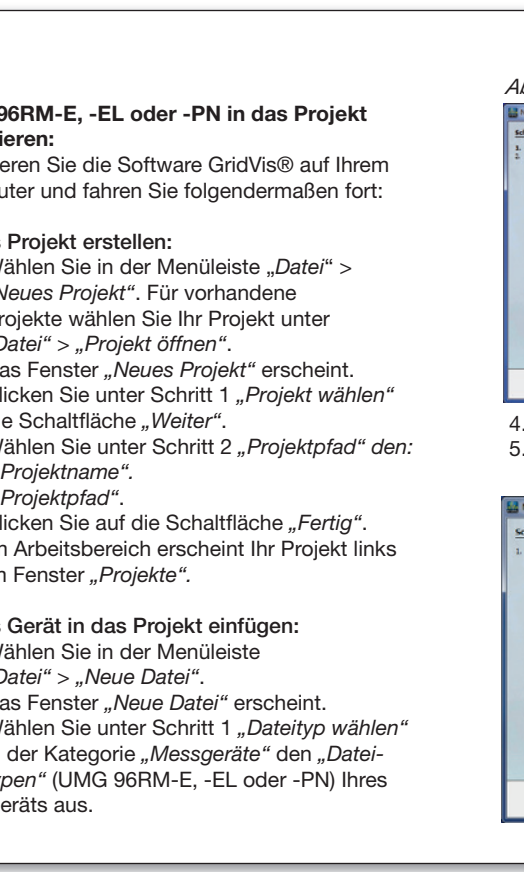
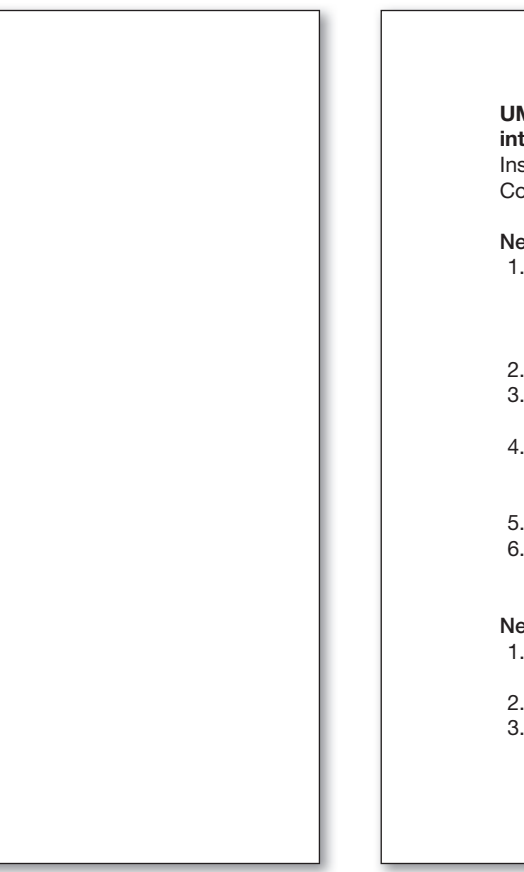
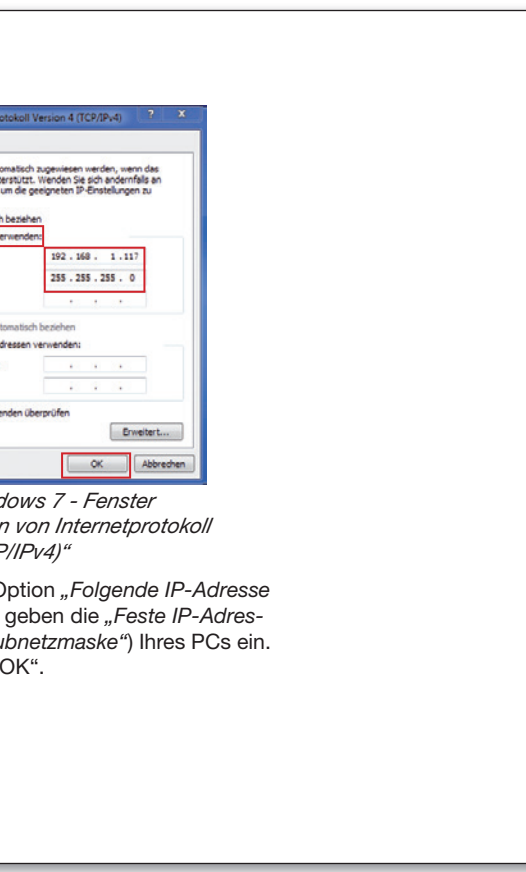
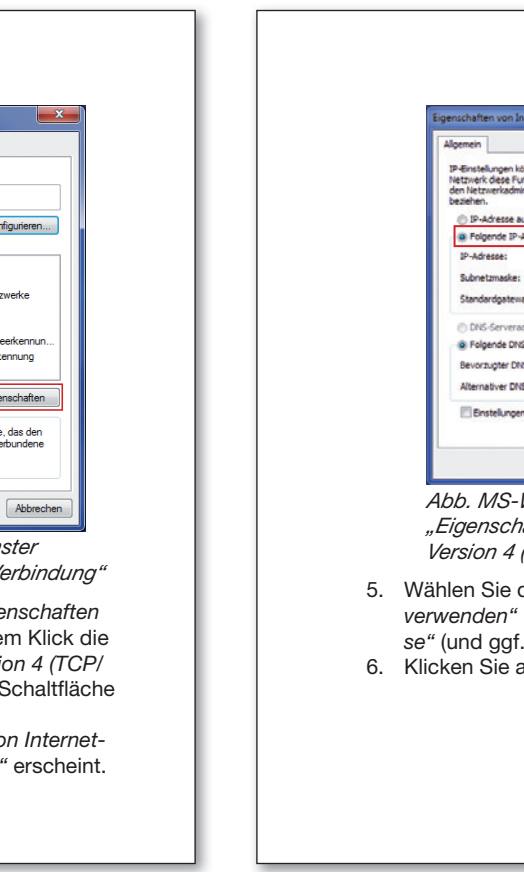
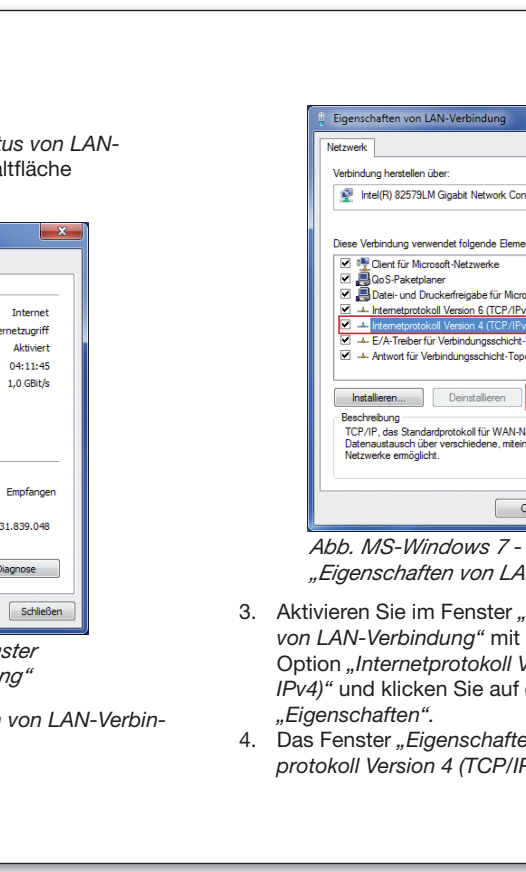
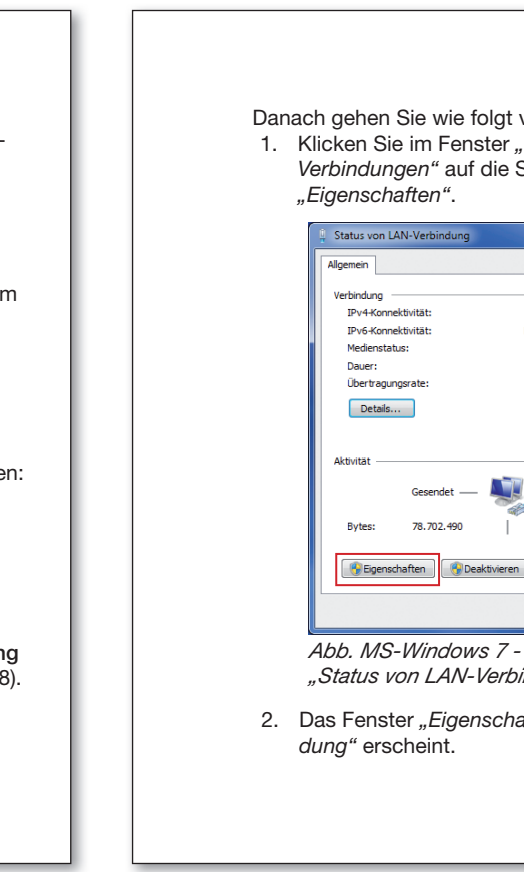
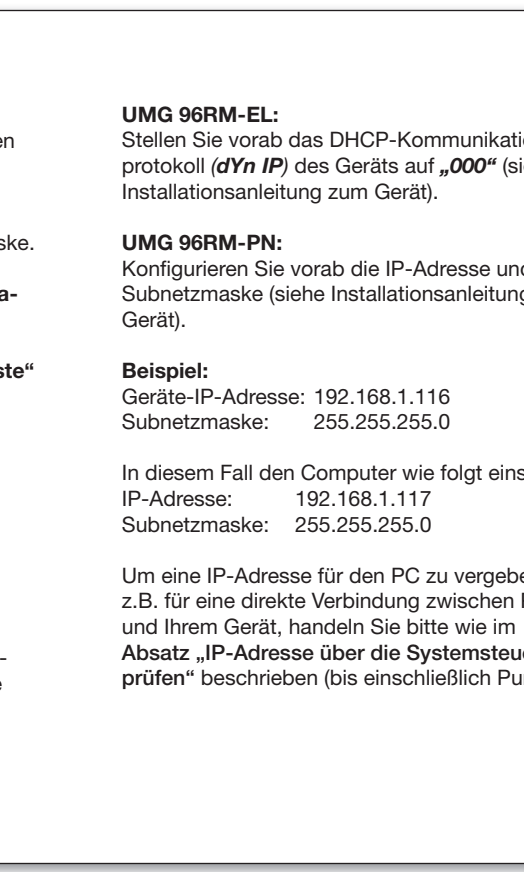
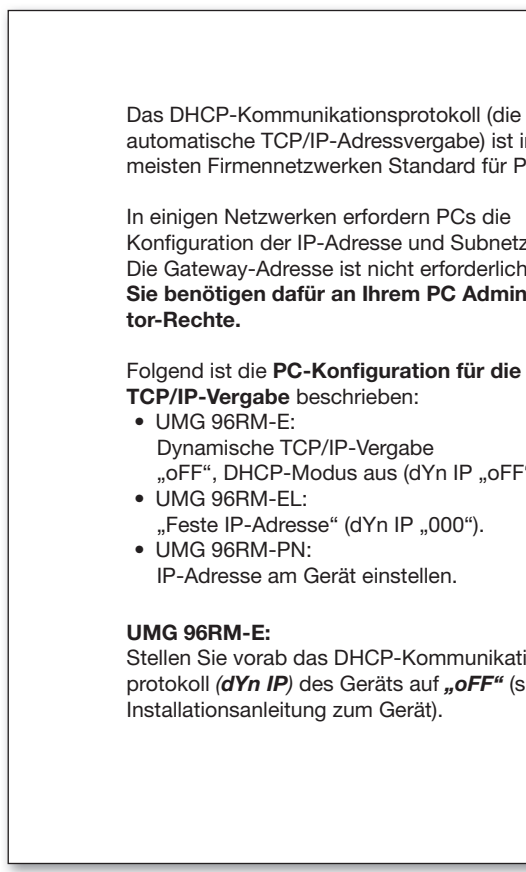
- Drücken Sie die Windows-Taste.
- Das „Startmenü“ erscheint.
- Klicken Sie im rechten Menüfeld auf „Systemsteuerung“.
- Das Fenster „Einstellungen des Computers anpassen“ erscheint.
- Klicken Sie auf „Netzwerk- und Freigabe-center“.
- Das Fenster „Netzwerk- und Freigabe-center“ erscheint.

7. Klicken Sie in der Rubrik Internet auf „LAN-Verbindung“.

8. Das Fenster „Status von LAN-Verbindung“ erscheint.

9. Klicken Sie auf die Schaltfläche „Details“.

10. Das Fenster „Netzwerkverbindungsdetails“ erscheint und zeigt IP-Adresse und Subnetzmaske Ihres PCs.



IP-Adresse über die „Systemsteuerung“ prüfen:

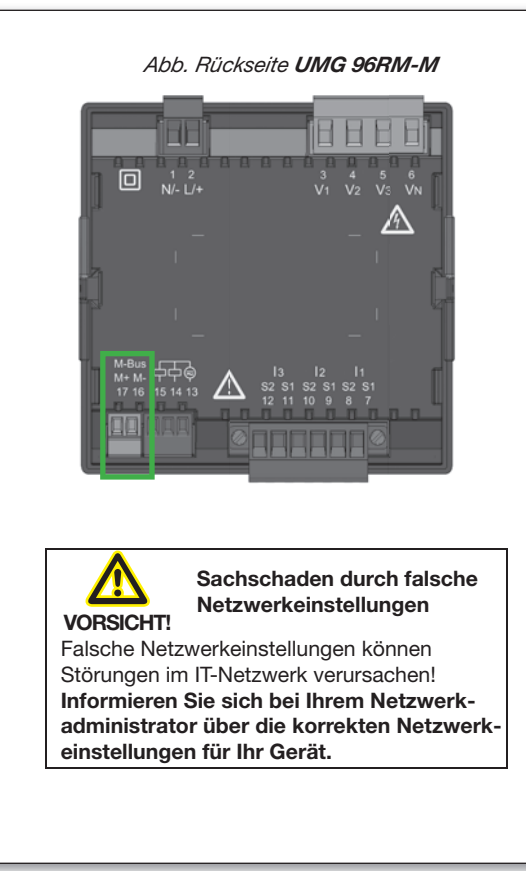
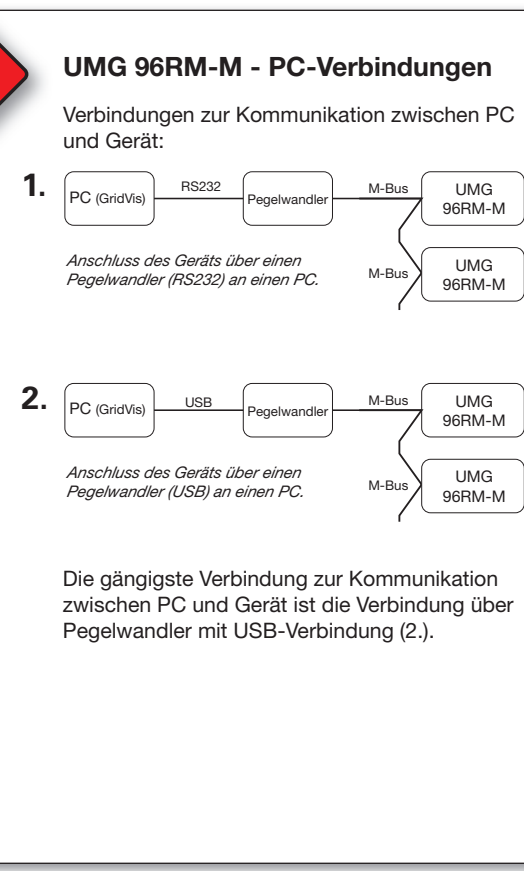
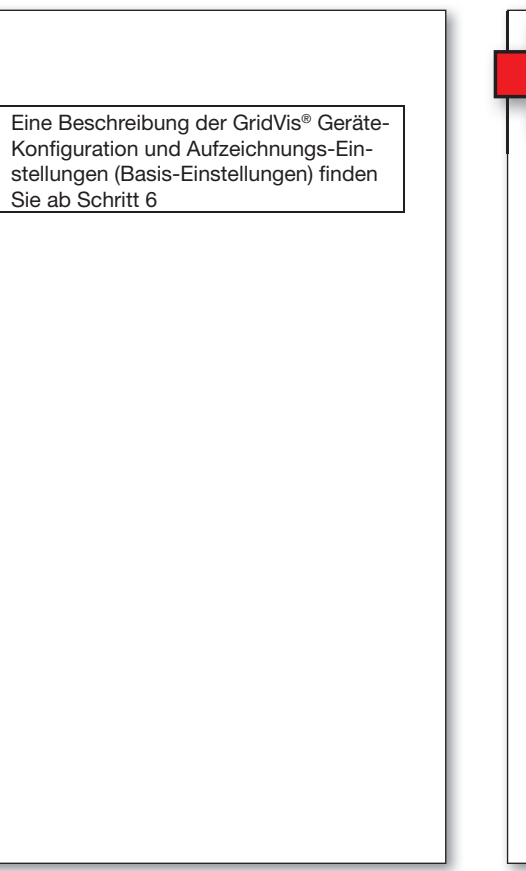
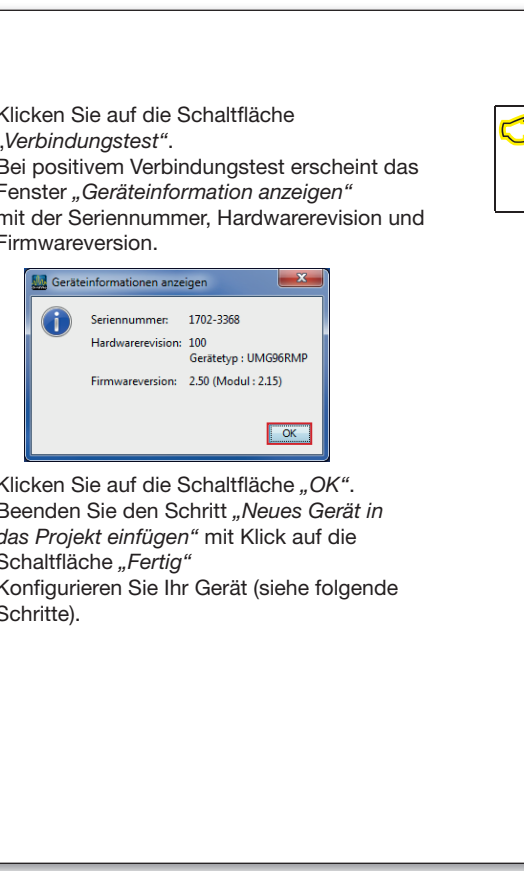
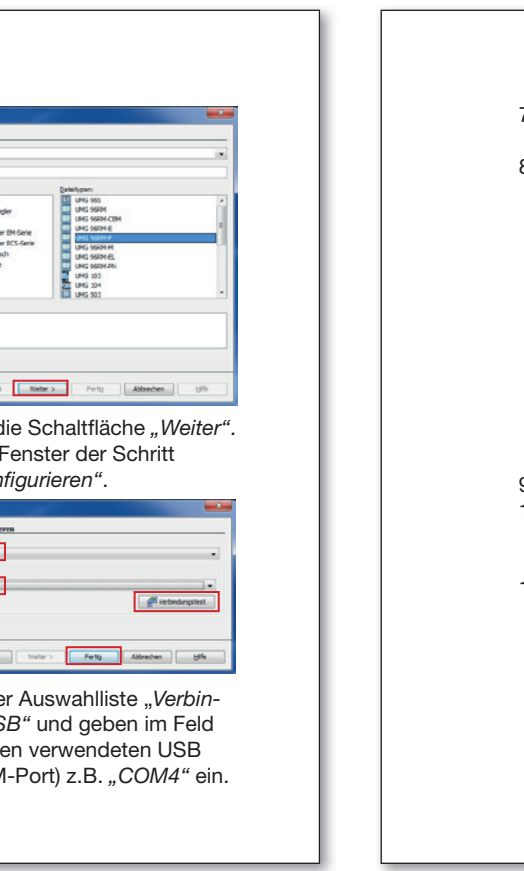
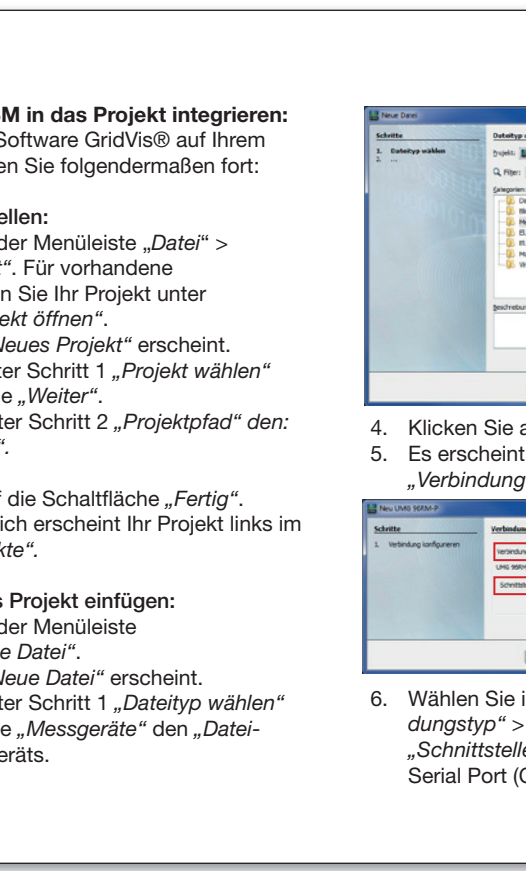
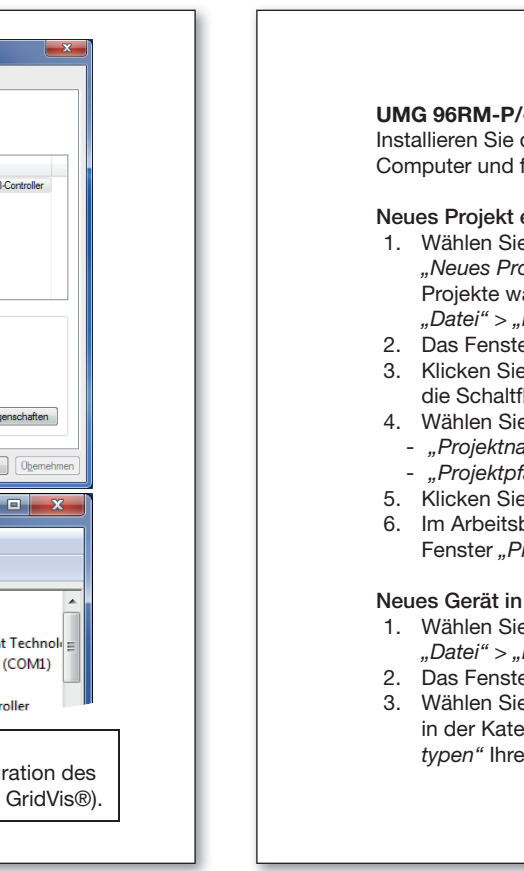
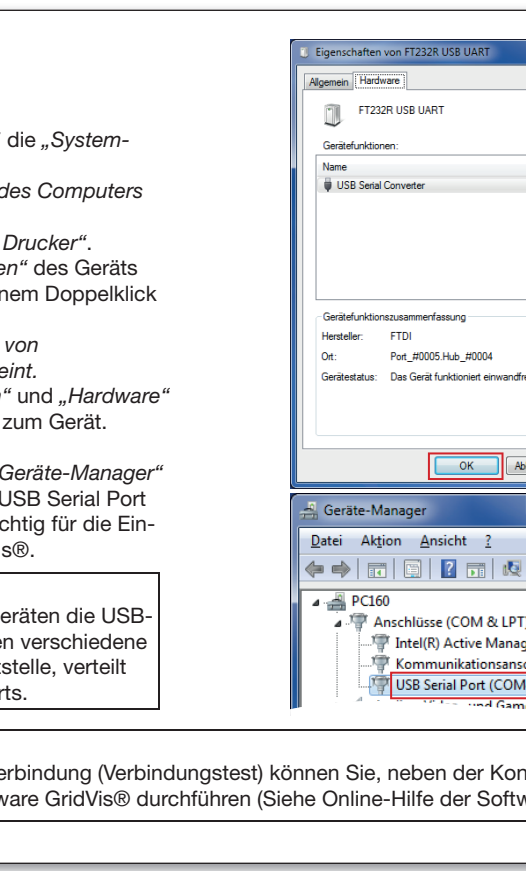
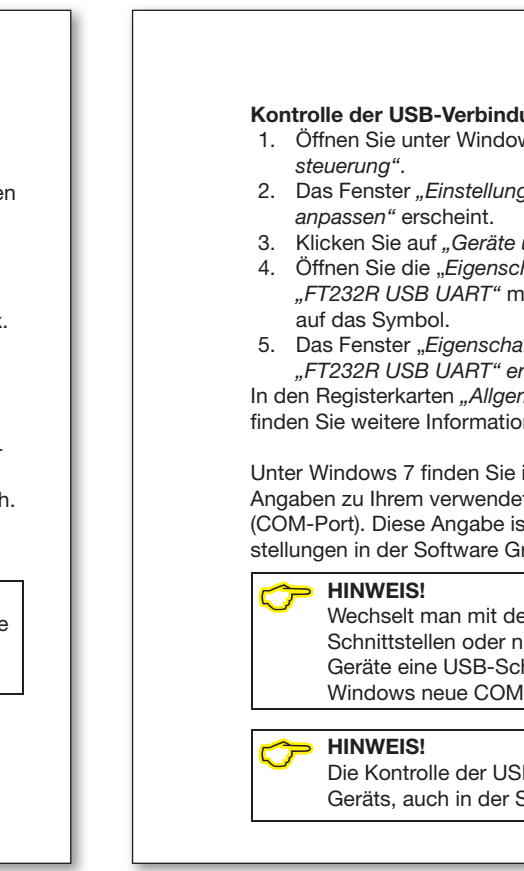
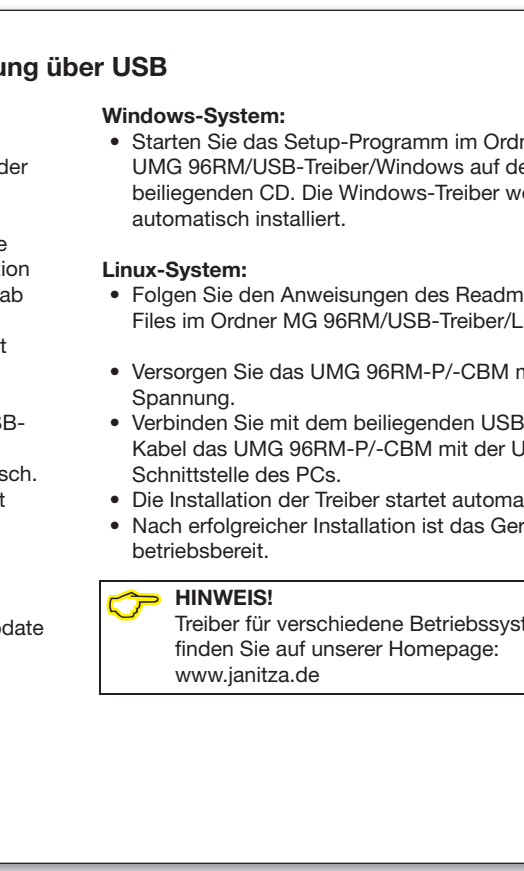
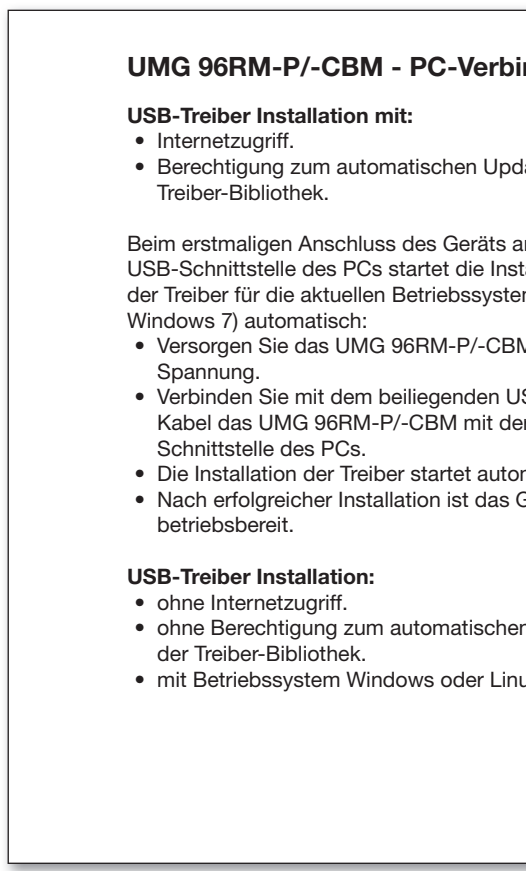
- Drücken Sie die Windows-Taste.
- Das „Startmenü“ erscheint.
- Klicken Sie im rechten Menüfeld auf „Systemsteuerung“.
- Das Fenster „Einstellungen des Computers anpassen“ erscheint.
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- Das Fenster „Netzwerk- und Freigabe-center“ erscheint.

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8. Das Fenster „Status von LAN-Verbindung“ erscheint.

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10. Das Fenster „Netzwerkverbindungsdetails“ erscheint und zeigt IP-Adresse und Subnetzmaske Ihres PCs.

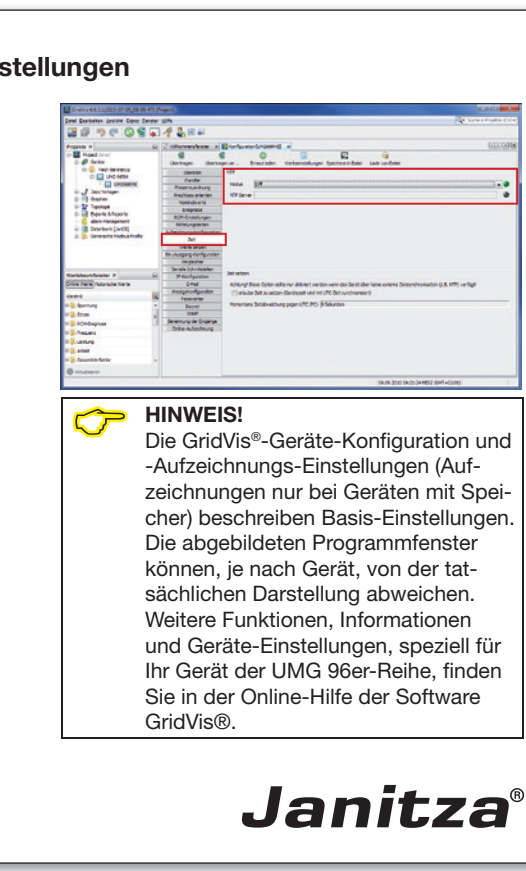
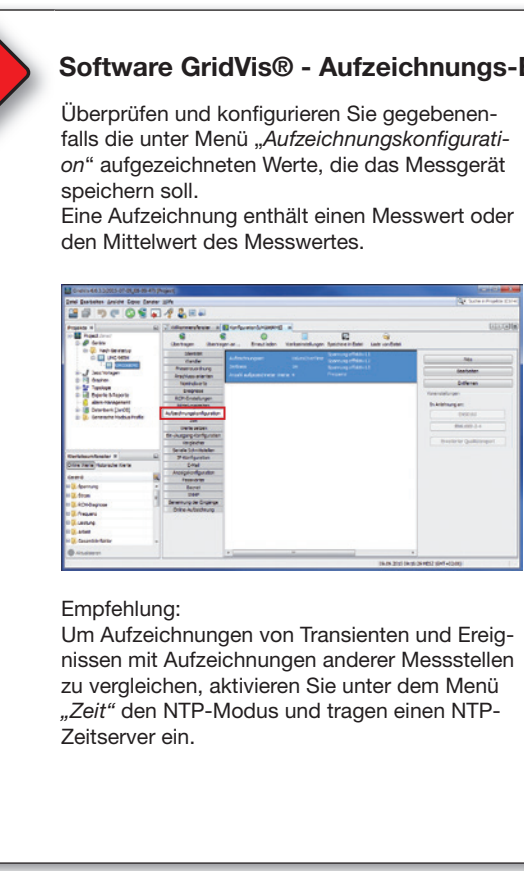
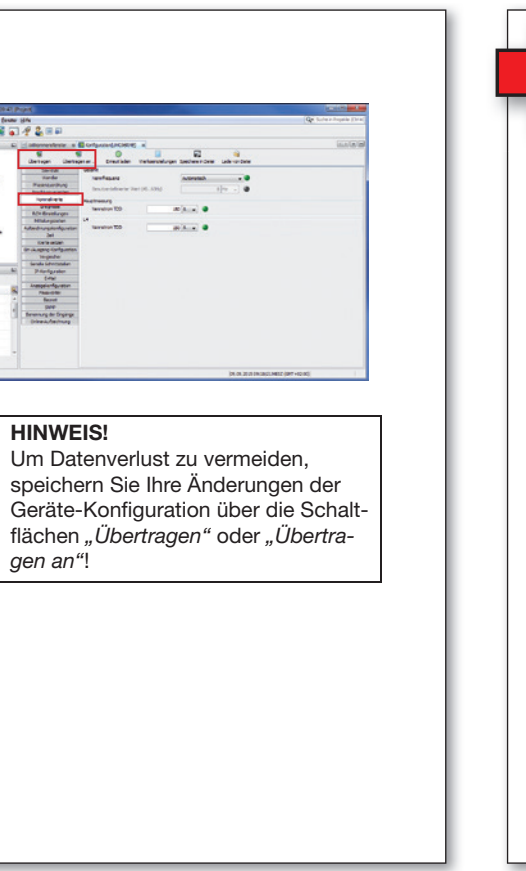
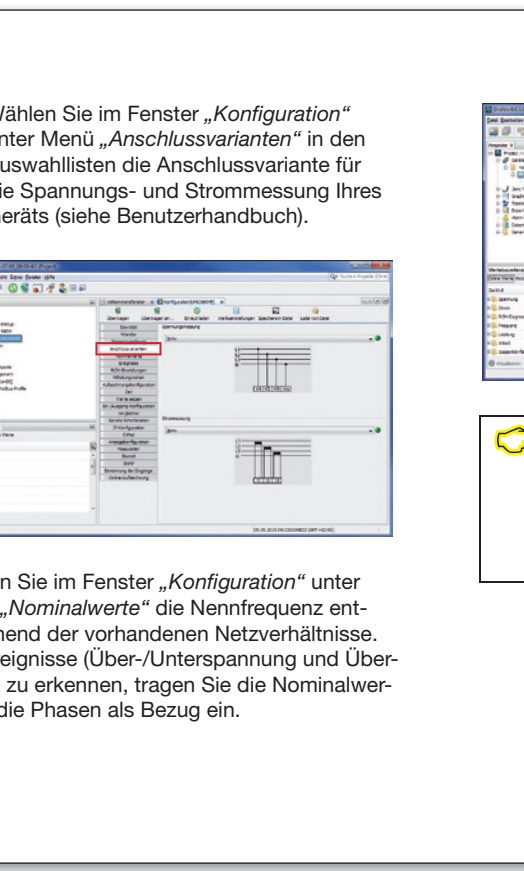
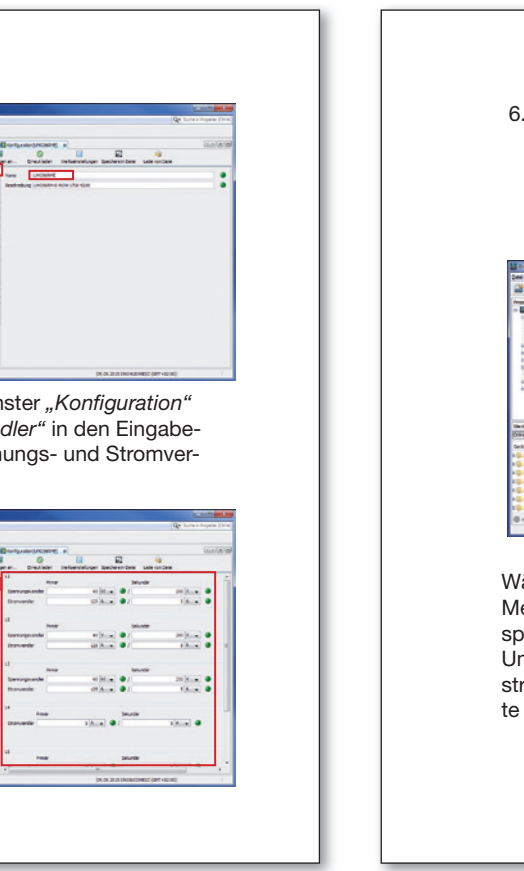
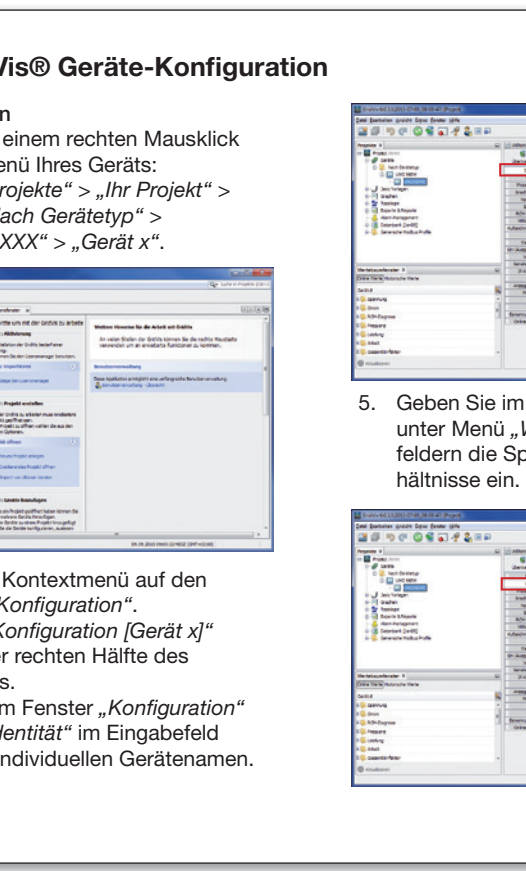
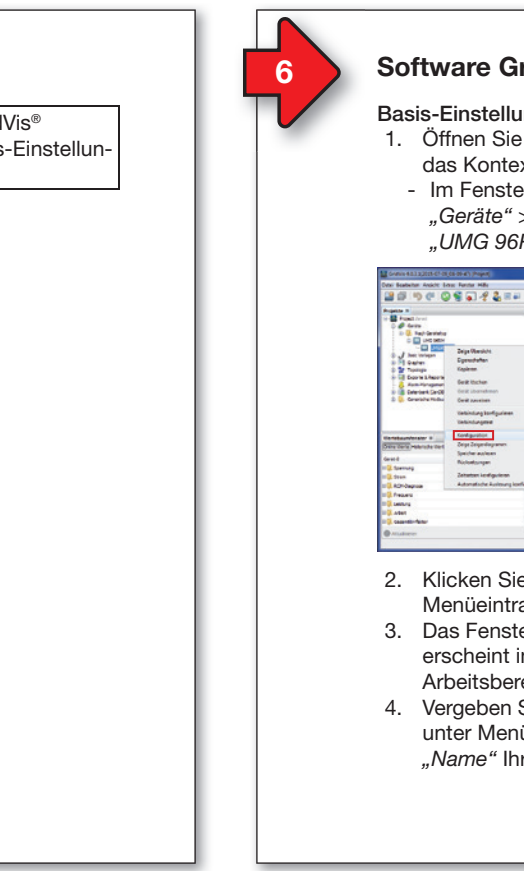
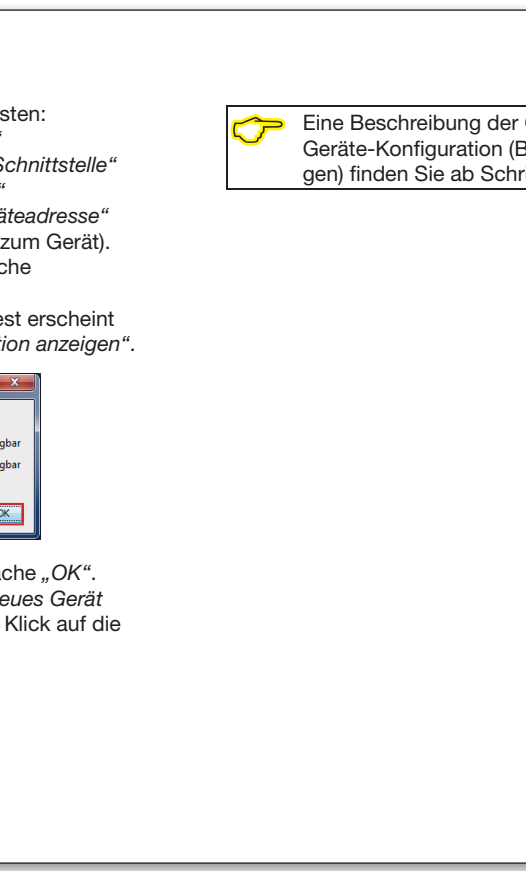
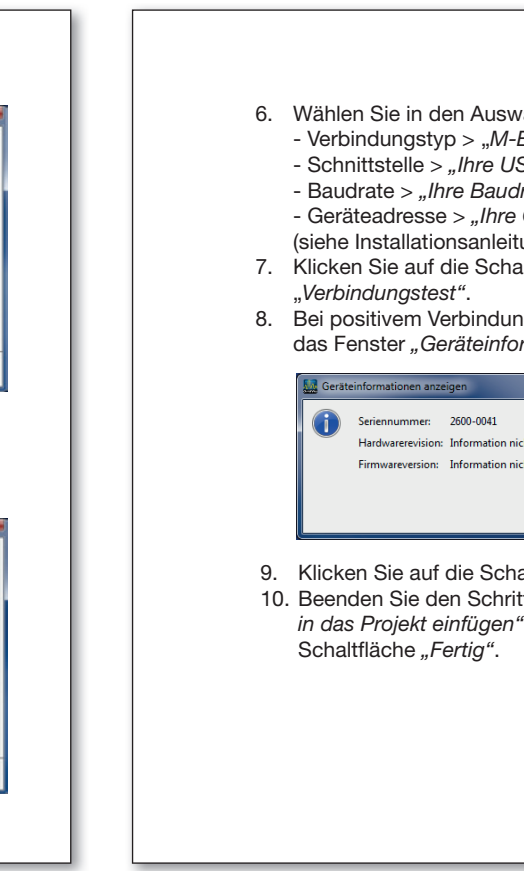
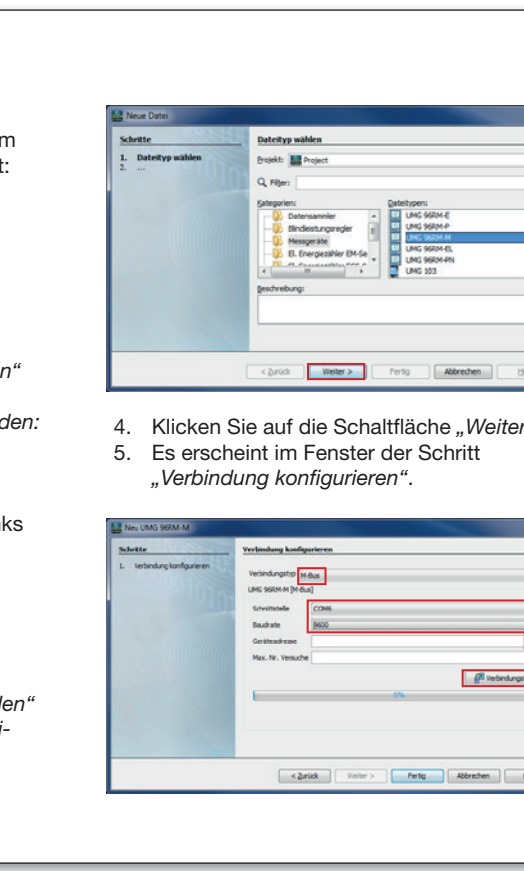
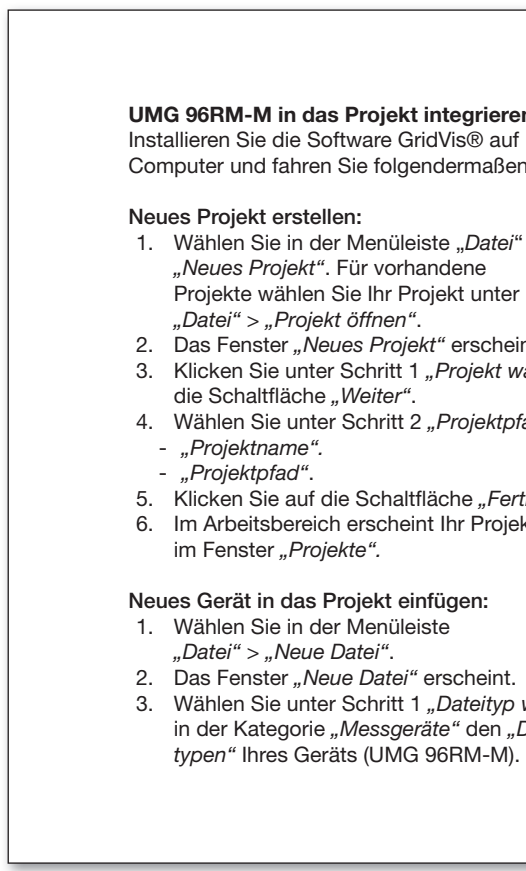


Zum Anschluss Ihres Geräts über einen Pegelwandler in den Menü „Anschlüsse konfigurieren“ in den Auswahllisten die Anschlussvariante für die Spannungs- und Strommessung Ihres Geräts (siehe Benutzerhandbuch).


9. Klicken Sie auf die Schaltfläche „OK“.

10. Beenden Sie den Schritt „Neues Gerät in das Projekt einfügen“ mit Klick auf die Schaltfläche „Fertig“.

11. Konfigurieren Sie Ihr Gerät (siehe folgende Schritte).



GridVis® software quick guide for the device series UMG 96RM Supplement to the user manuals and installation manuals



Janitza electronics GmbH Vor dem Poltsch 6 D-35533 Lahnuu / Germany Support Tel. +49 6441 9642-22 Fax +49 6441 9642-30 e-mail: info@janitza.com Website: http://www.janitza.com

1

General

This quick guide to our GridVis® software is a supplement to the user manuals and installation manuals of the UMG 96RM device series. The following steps outline the most common connections for communication between PC and device.

First, please read and ensure that you understand the information products that accompanies the product and in particular the safety related information contained therein.

Disclaimer
The observation of the information products for the devices is a prerequisite for safe operation and to achieve the stipulated performance characteristics and product characteristics. Janitza electronics GmbH accepts no liability for injuries to personnel, property damage or financial losses arising due to a failure to comply with the information products. Ensure that your information products are accessible and legible.

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Subject to technical amendments
Information and specifications subject to change. Please inform yourself under www.janitza.com on the latest version of our software.

SAFETY
Please note safety instructions in this document, which are shown as follows and include that for your own safety, for example, can lead to **PROPERTY DAMAGE** due to data loss or failures in IT network.

VORSICHT!
This symbol with the word **NOTE!** describes important information, procedures or handling steps.

2

UMG 96RM - PC connections

Connections for communication between PC and device:

- 1. PC RS232 RS232 RS485 UMG 96RM
- 2. PC Ethernet UMG 604 RS485 UMG 96RM
- 3. PC Ethernet UMG 604 RS485 UMG 96RM

Fig. Rear side view UMG 96RM

The most common connection for communication between a PC and device is the connection via UMG 604 as a gateway (2).

CAUTION!
Incorrect network settings can cause faults in the IT network!
Find out the correct Ethernet network settings for your device from your network administrator.

UMG 96RM - PC connection of the UMG 96RM via UMG 604 as gateway

Configure your UMG 604 via Ethernet (see user manual and installation manual to the UMG 604).

Connect your UMG 96RM with the UMG 604 via the RS485 interface.

GridVis® software

Install the GridVis® software on your computer and proceed as follows:

1. Open the GridVis® software on your PC.
2. In the menu bar, select "File" > "New project". If the project already exists, open it by selecting "File" > "Open project".
3. The "New project" window is displayed.
4. In step 1, "Select project", click "Continue".
5. In step 2, "Project path", select the:
- "Project name".
- "Project path".
6. Click "Finish".
7. Your project is displayed on the left in the "Projects" window in the work area.

Click "Next".
The "Configure connection" step is displayed in the window.

Insert UMG 604 in the project:

1. In the menu bar, select "File" > "New file".
2. The "New file" window appears.
3. In step 1, "Select file type", select the "File type" (UMG 604) in the "Measurement devices" category.

In the "Connection type" selection list, select "TCP/IP" and enter the IP address for your device in the "Host" field. The IP address of your UMG 604 is determined via the Parameter addresses 300 to 303 in programming mode (see user manual and installation manual to the UMG 604).

7. Click "Connection test".
8. If the connection test is successful, the "Display device information" window appears with the serial number, hardware version and firmware version.

In the project window, click the plus icon in front of the "Devices" directory.

2. In the "Devices" directory, click the plus icon in front of the "By device type" subdirectory.
3. The UMG 604 that was installed previously is displayed.
4. Right-click the "By device type" subdirectory.
5. Select the "New" menu item in the context menu.
6. Click on the "Other" menu item in the sub-menu.

7. The "New file" window appears.

8. In the "Measurement devices" category, select the "File type" UMG 96RM.

9. Click "Next".

10. The "Configure connection" step is displayed in the window.

11. Important settings in "Configure connection":

1. In the selection list, select the "Ethernet gateway (e.g. for devices on the RS485)" connection type.
2. In the "Address" input field, enter the IP address for your UMG 604 (read parameter address 300 to 303 from the device, see user manual and installation manual to the UMG 604).
3. In the "Device address" selection field, select the device address for your UMG 96RM (read or set parameter address 000 on the device, see the installation manual).

12. Click "Connection test".

13. If the connection test is successful, the "Display device information" window appears with the serial number, hardware version and firmware version.

14. Click "OK".

15. Complete the "Insert new device into the project" step by clicking "Finish".

A description of GridVis® Device configuration settings (basic settings), see from step 6

UMG 96RM-E, -EL and -PN - PC connections

Connections for communication between PC and UMG 96RM-E:

- 1. PC Ethernet UMG 96RM-E
- 2. DHCP-Server PC Ethernet UMG 96RM-E
- 3. PC RS232 RS232 RS485 UMG 96RM-E
- 4. PC Ethernet UMG 604 RS485 UMG 96RM-E

Fig. Rear side view UMG 96RM-E

Recommendation for the Ethernet connection: Use at least a CAT5 cable!

CAUTION!
Incorrect network settings can cause faults in the IT network!
Find out the correct Ethernet network settings for your device from your network administrator.

UMG 96RM-EL

Connections for communication between PC and UMG 96RM-EL:

- 1. PC Ethernet UMG 96RM-EL
- 2. DHCP-Server PC Ethernet UMG 96RM-EL

Fig. Rear side view UMG 96RM-EL

Recommendation for the Ethernet connection: Use at least a CAT5 cable!

CAUTION!
Incorrect network settings can cause faults in the IT network!
Find out the correct Ethernet network settings for your device from your network administrator.

UMG 96RM-E, -EL or -PN - PC connection via Ethernet

For UMG 96RM-E, -EL, -PN the Ethernet connection is the most common connection for communication between PC and device.

Ensure that:

- the subnet mask on your PC matches that on your UMG.
- the first three characters of the PC IP address match those of the UMG IP address.
- the last three digits (xxx) of the PC IP address differ from the last three digits of the device IP.

Example: IP address: 192.168.1.xxx
Subnet mask: 255.255.255.0

UMG 96RM-E:

Settings of the device with dynamic TCP/IP allocation:

- **DHCP (dYn IP 002)** - the device IP address is transmitted to the PC automatically.
- **Static IP address (dYn IP 000)** - Set the device's address and the corresponding parameters on the PC in advance.

UMG 96RM-PN:

In ProfNet systems with DCP device TCP/IP addresses are assigned automatically.

To configure a fixed TCP/IP address, configure, as described in the installation manual to the device, the address of the device and the corresponding parameters on the PC.

UMG 96RM-E:

Settings of the device with dynamic TCP/IP allocation:

- **dYn IP "on"** - The device IP address will be passed on to the PC automatically.
- **dYn IP "off"** - Set the address of the device and the corresponding parameters on the PC beforehand.

CAUTION!
Incorrect network settings can cause faults in the IT network!
Obtain information from your network administrator about the correct Ethernet network settings for your device(s).

UMG 96RM-E, -EL or -PN into the project

Install the GridVis® software on your computer and proceed as follows:

1. Select "File" > "New project". For existing projects, select your project under "File" > "Open project".
2. The "New project" window appears.
3. Click the "Next" button under step 1 "Select project".
4. Under step 2 "Project path", select the:
- "Project name".
- "Project path".
5. Click on the "Done" button.
6. Your project appears on the left in the "Projects" window in the working area.

4. Click on the "Next" button.

5. The "Configure connection" step appears in the window.

PC connection test ("ping test"):

1. Determine and note down your device IP address (see installation manual for the device) before starting the PC connection test.
2. Press the Windows key.
3. The Start menu appears with the search window.
4. Enter the command "cmd" in the search window and press the "Return button" to confirm.
5. The "Windows Command Prompt" window (CMD window) is displayed.
6. Enter the command "ping" (space) with your device IP address (e.g. "ping 192.168.1.116").
7. Note the following: Omit the zeros at the start of a block of 3!
8. Press the "Return button" to confirm.
9. If the command reaches the device, a positive response is received.

Enter the IP address of your device in a web browser (e.g. "http://192.168.1.116") leads to the device homepage and so this checks the connection.

You check the IP address of your PC in 2 ways:

1. Via the "Windows input prompt" (CMD window)
2. Via the "Control panel".

Checking the IP address using the "Windows input prompt":

1. Press the Windows key.
2. The "Start menu" appears with the search window.
3. Enter the command "cmd" in the search window and press the "Return button" to confirm.
4. The "input prompt" appears.
5. Enter the command "ipconfig" and press the "Return button" to confirm.
6. The "input prompt" window displays the IP address, subnet mask and the default gateway for your PC.

Checking the IP address via the "Control Panel":

1. Press the Windows key.
2. The "Start menu" appears.
3. Click "Control Panel" in the right menu area.
4. The "Adjust Computer Settings" window is displayed.
5. Click "Network and Sharing Center".
6. The "Network and Sharing Center" window is displayed.

7. Click "Local area connection" in the Internet area.

8. The "Local area connection status" window is displayed.

9. Click the "Details" button.

Fig. MS Windows 7 - "Local area connection status" window

Fig. MS Windows 7 - "Network connection details" window

10. The "Network connection details" window appears showing the IP address and the subnet mask of your PC.

UMG 96RM-EL:

Set the DHCP communication protocol (dYn IP) of the device to "000P" in advance (see installation manual for the device).

UMG 96RM-PN:

Configure advance the IP address and subnet mask (see installation manual for the device).

Example:
Device IP address: 192.168.1.116
Subnet mask: 255.255.255.0

In this case, set the computer as follows:
IP address: 192.168.1.117
Subnet mask: 255.255.255.0

In order to allocate an IP address for the PC e.g. for a direct connection between the PC and your device, please proceed as described in, point "Checking the IP address via the Control panel" (up to and including point 8).

UMG 96RM-E:

Set the DHCP communication protocol (dYn IP) of the device to "00FF" in advance (see installation manual for the device).

Then proceed as follows:

1. In the "LAN-Connection status" window, click the "Properties" button.
2. The "LAN-Connection Properties" window is displayed.

Fig. MS Windows 7 - "Local area connection status" window

Fig. MS Windows 7 - "Local area connection properties" window

3. In the "LAN-Connection Properties" window, click the "Internet Protocol Version 4 (TCP/IPv4) Properties" window.

4. The "Internet Protocol Version 4 (TCP/IPv4) Properties" window is displayed.

5. Select the "Use the following IP address" option and enter your PC's "Static IP address" (and "Subnet mask" if necessary).

6. Click "OK".

Fig. MS Windows 7 - "Internet Protocol Version 4 (TCP/IPv4) Properties" window

Fig. MS Windows 7 - "Local area connection properties" window

Enter the new device into the project:

1. Select "File" > "New file".
2. The "New file" window appears.
3. Under step 1 "Select file type", select the "File type" of your device in the "Measurement devices" category (UMG 96RM-E, -EL or -PN).

4. Click on the "Next" button.

5. The "Configure connection" step appears in the window.

6. Select "Connection type" > "Ethernet" in the selection list and enter the IP address of your device in the "Address" field (see installation manual for the device).

7. Click on the "Connection test" button.

8. If the connection test is successful, the "Display device information" window appears with the serial number, hardware version and firmware version.

9. Click on the "OK" button.

10. Exit the "Add new device to the project" step by clicking on the "Done" button.

UMG 96RM-P/-CBM - PC connections

Connections for communication between PC and UMG 96RM-P/-CBM:

- 1. PC USB (Type A) USB (Type B) UMG 96RM-P/-CBM
- 2. PC RS232 RS232 RS485 UMG 96RM-P/-CBM
- 3. PC Ethernet UMG 604 RS485 UMG 96RM-P/-CBM

Fig. Rear side view UMG 96RM-P

Recommendation for the Ethernet connection: Use at least a CAT5 cable!

NOTE! Probus interface!
Information for integrating your UMG 96RM-P in your Probus network can be found in the user manual.

CAUTION!
Incorrect network settings can cause faults in the IT network!
Find out the correct network settings for your device from your network administrator.

UMG 96RM-P/-CBM - PC connection via USB

USB driver installation with:

- Internet access.
- Authorization for automatic updates of the driver library.

With first connection of the device to the USB interface of the PC, the installation of the driver starts automatically for current operating systems (from Windows 7):

- Supply the UMG 96RM-P/-CBM with voltage.
- Connect the UMG 96RM-P/-CBM to the USB interface on the PC with the USB cable provided.
- The driver installation starts automatically.
- After successful installation, the device is ready for operation.

NOTE!
You can find drivers for various operating systems on our website: www.janitza.com

Checking the USB connection

1. Under Windows 7, open the "System control".
2. The window "Adjust your computer's settings" appears.
3. Click on "Devices and printers".
4. Open the "Properties" of the device "FT232RL USB (UART)" by double-clicking on the symbol.
5. The window "Properties of 'FT232RL USB (UART)'" appears.

You will find further information on the device under the tabs "General" and "Hardware".

Under Windows 7, you will find this in "Device Manager" information regarding your USB serial port (COM-Ports). This information is important for the settings in the GridVis® software.

NOTE!
If you change the USB interfaces with the devices, or if various devices use one USB interface, Windows issues new COM-Ports.

NOTE!
The check of the USB connection (connection test) can be performed during the device configuration or in the GridVis® software (see online help of the Software).

UMG 96RM-P/-CBM into the project

Install the GridVis® software on your computer and proceed as follows:

1. Select "File" > "New project". For existing projects, select your project under "File" > "Open project".
2. The "New project" window appears.
3. Click the "Next" button under step 1 "Select project".
4. Under step 2 "Project path", select the:
- "Project name".
- "Project path".
5. Click on the "Done" button.
6. Your project appears on the left in the "Projects" window in the working area.

Enter the new device into the project:

1. Select "File" > "New file".
2. The "New file" window appears.
3. Under step 1 "Select file type", select the "File type" for your device in the "Measurement devices" category.

4. Click on the "Next" button.

5. The "Configure connection" step appears in the window.

6. Select "Connection type" > "USB" in the selection list and enter the USB serial port (COM-Port) used in the "Interface" field, e.g. "COM3" field.

7. Click on the "Connection Test" button.

8. If the connection test is successful, the "Display device information" window appears with the serial number, hardware version and firmware version.

9. Click on the "OK" button.

10. Exit the "Add new device to the project" step by clicking on the "Done" button.

A description of GridVis® Device configuration and recording settings (basic settings), see from step 6.

UMG 96RM-M - PC connections

Connections for communication between PC and UMG 96RM-M:

- 1. PC (COM1) RS232 Level converter M-Bus UMG 96RM-M
- 2. PC (COM2) USB Level converter M-Bus UMG 96RM-M

Fig. Rear side view UMG 96RM-M

The most common connection for communication between PC and device is the USB connection via a level converter (2).

CAUTION!
Incorrect network settings can cause faults in the IT network!
Find out the correct network settings for your device from your network administrator.

UMG 96RM-M - PC connection via level converter with USB connection

In order to connect your device via a level converter (USB-M-Bus, optionally available) to the USB interface of your PC, the installation of the driver starts automatically for current operating systems:

- Supply the UMG 96RM-M with voltage.
- Connect the M-Bus interfaces between UMG 96RM-M and level converter (see installation manual for the device).
- Connect the USB interfaces between level converter and PC.
- The driver installation starts automatically.
- After successful installation, the device is ready for operation.

Checking the USB connection of your PC
For the configuration of your UMG 96RM-M in the GridVis® software, you require the USB interface (COM port) used on your PC.

Under Windows 7, in the "Device Manager" (Windows button > Control Panel > Device Manager) you will find information on your USB serial port (COM port).

Fig. MS Windows 7 - "Device Manager" window

NOTE!
If you change the USB interfaces with the devices, or if various devices use one USB interface, Windows issues new COM-Ports.

Integrate the UMG 96RM-M into the project

Install the GridVis® software on your computer and proceed as follows:

1. In the menu bar, select "File" > "New project". If the project already exists, open it by selecting "File" > "Open project".
2. The "New project" window is displayed.
3. In step 1, "Select project", click "Continue".
4. In step 2, "Project path", select the:
- "Project name".
- "Project path".
5. Click "Finish".
6. Your project is displayed on the left in the "Projects" window in the work area.

Insert new device into the project:

1. In the menu bar, select "File" > "New file".
2. The "New file" window appears.
3. In step 1, "Select file type", select the "File type" for your device (UMG 96RM-M) in the "Measurement devices" category.

6. Choose from the selection list:
- Connection type > "M-Bus"
- Interface > "Your USB interface"
- Baud rate > "Your Baud rate"
- Device address > "Your device address" (see installation manual for the device)

7. Click "Connection test".

8. If the connection test is positive, the "Display device information" window is displayed.

9. Click "OK".

10. Complete the "Insert new device into the project" step by clicking "Finish".

A description of GridVis® Device configuration (basic settings), see from step 6.

GridVis® software - device configuration

Basic settings

1. Open the context menu for your device with the right mouse button.
2. In the window "Projects" > "Your project" > "Devices" > "By device type" > "UMG 96RM-XXX" > "Device x".

5. Enter the voltage and current ratios in the input fields under the "Transformers" menu in the "Configuration" window.

6. Select the connection variant for the voltage and current measurement of your device (see user manual) in the selection lists under the "Measuring variants" menu in the "Configuration" window.

Select the nominal frequency under the "Nominal values" menu in the "Configuration" window, in accordance with the existing grid conditions. In order to identify events (over/undervoltage and overcurrent), enter the nominal values for the phases as references.

6. Select the connection variant for the voltage and current measurement of your device (see user manual) in the selection lists under the "Measuring variants" menu in the "Configuration" window.

NOTE!
In order to avoid data loss, save your device configuration changes with the "Transfer" or "Transfer to" buttons!

GridVis® software - recording settings

Under "Recording configuration" you can check and configure which recordings the measurement device should save if required. A record holds a measured value or the mean value of the measured value.

Recommendation:

In order to be able to compare recordings of transients and events with those from other measurement points, activate the NTP mode under the "Time" menu and enter an NTP time server.

NOTE!
The GridVis® device configurations and recording settings (records only) represents the basic settings.

The program window shown may, depending on the device, differ from the actual display.

Other functions, information and device settings, especially for your device of the UMG 96RM-series, see the online help of the GridVis® software.

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