

Manual WINGATE[®] Configuration Tool for UNIGATE[®]



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Manual Art.-No. V4229E

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Disclaimer of liability

We have checked the contents of the document for conformity with the hardware and software described. Nevertheless, we are unable to preclude the possibility of deviations so that we are unable to assume warranty for full compliance. The information given in the publication is, however, reviewed regularly. Necessary amendments are incorporated in the following editions. We would be pleased to receive any improvement proposals which you may have.

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1 Introduction

WINGATE[®] is a configuration software for Deutschmann UNIGATE[®] devices.

It is important to always work with the current version of WINGATE. The current version can be found in the download area on www.deutschmann.de.

Conceptual



In the further course of this manual screenshots of settings and startup message are used. These are just examples.

2 Installation

1. Install and start WINGATE. Open the Zip-file "SetupGW.zip" and execute the file "SetupGW...exe".





Attention: After the initial installation a warning note appears. Confirm with "OK".



2. Select the COM-interface via "Options" -> "Port".



Another window opens, select the COM-interface and confirm with "OK". WINGATE can be used now.

| 💦 Settings | <u> </u> |
|---|----------|
| ConfigFiles Passwort Serial Options More Serial Options | ОК |
| Port offline | Cancel |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Note: If necessary, the setting of the serial interface can be adjusted via the menu item "More Serial Options".

3. WINGATE can be closed via menu item "File" -> "Exit". After a restart, the selected COM interface is displayed in the status bar.



Note: The status bar of WINGATE has 4 status fields with the following information:

- **Status field 1:** Recent WINGATE activity. In this example, the message "no gateway found".
- Status field 2: Configuration area. In this example "0 bytes".
- Status field 3: Used COM-interface. In this example "COM7".
- **Status field 4:** Version-No. of WINGATE and the used configuration file (*.wcf). In this example **"V2.8.8**" stands for version and **"(408)**" for the used configuration file.

no gateway found 0 bytes COM7 V 2.8.8 (408)

Note: (*.wcf) stands for wingate cofiguration file.

2.1 Advanced settings

Further adjustments are possible via menu item "Options".

2.1.1 Config file

WINGATE needs a configuration file (*.wcf). In general, the most recent configuration file is already part of the setup, and therefore doesn't need to be loaded additionally.

1. Settings can be reached via menu item "Options" -> "Config file".

| 💦 WI | NGATE (WINGATE.wcf) | | | | <u> </u> |
|------|---|---------|---------|---------------|----------|
| File | Options Extras Help Config file Password Port Reset device | items e | ditable | | |
| _ | Generate EtnerNet/IP-EDS-File Generate ECAT- Xml-File Generate CANOpen-EDS-File | | | | |
| | | | | | |
| | | | | | |
| | 0 | bytes | offline | V 2.8.8 (408) | /i |

2. A WINGATE_Configuration_File (*.wcf) can be selected, loaded and confirmed with "OK" via the button "Set_WCF_File".

The adjustment is effective after WINGATE is closed and restarted. The status bar of WINGATE shows the version number and, in brackets, the loaded WCF file.



2.1.2 Password

The input screen for "Password" is reserved exclusively for Deutschmann Automation.

2.1.3 Reset device

The UNIGATE[®] can be reset via "Reset device". The following must be considered:

• **Reset with Universalscript Deutschmann:** All parameters are reset to factory setting. The "Universalscript Deutschmann" remains. The power-up message contains the name of the loaded script.

| RS-PBV1-CL (232/422/485/SSI) \ =" <mark>Universalscript Deutschmann"</mark> A Konfigmode | /7.8.3[36] (c)dA Switch uthor="G/S" Version=" | =0x00FFScrij V 1.4.4''Date | pt(C:11848/16128,V:7 ==03.11.2015 SN=397 | 7889/8192) 780210 ID=0 |
|--|--|-------------------------------|---|---------------------------|
| no gateway found | 0 bytes | COM7 | V 2.8.8 (408) | |

• **Reset with customized script:** The bus-specific parameters are reset to factory setting. **Attention:** The customized script is deleted. Therefor, the script has to be at hand so it can be reloaded. The power-up message contains the name of the loaded script.

| RS-PBV1-CL (232/422/485/SSI) V7.8.3[3 | 36] (c)dA Switch= | 0x00FF Sc | ript(C:218/16128,V:542/8192) | |
|--|-------------------|-----------|------------------------------|--|
| ="Template Profibus" Author="(dA) " Vers | ion="V 1.4" Date | =01.06.20 | 16 SN=39780210 ID=0 | |
| Konfigmode | | | | |
| | | | | |
| | | | | |
| no gateway found | 0 bytes | COM7 | V 2.8.8 (408) | |
| | | | | |
| Example-Script: "Template | Profibus" | | | |
| | | | | |

1. The UNIGATE[®] must be connected via the application interface (RS232) and has to be started in configuration mode. (see chapter 3) WINGATE shows the power-up message of the UNIGATE[®].

Before resetting the device an "Upload" has to be carried out and the device configuration stored. The UNIGATE[®] can be read out via menu item "File" -> "Upload (read from device)".

| NINGATE (WINGATE.wcf) | | | | _ 🗆 🗙 |
|---|---|--------------------------|---|---------------------------|
| File Options Extras Help | | | | |
| Open | 🗖 more items (| editable | | |
| Save | | | | |
| Close | | | | |
| Upload (read from device) Download (write to device) Write script | | | | |
| Printer options Print | | | | |
| Exit | | | | |
| RS-PBV1-CL (232/422/485/SSI) V7.8.3 ="Universalscript Deutschmann" Authore Konfigmode | 36] (c)dA Switch= ''G/S'' Version='N | 0x00FF Sc / 1.4.4" Da | ipt(C:11848/16128.V: te=03.11.2015 SN=39 | 7889/8192) 780210 ID=0 |
| no gateway found | 0 bytes | COM7 | V 2 8 8 (408) | |

1.1 When the upload is completed, the device configuration is displayed in WINGATE. The message "upload finished" appears in the status bar.

| Deventer | Makes. | | |
|----------------------------------|-----------------------|--|--|
| Coffunction | V 29 | | |
| Device type | PDDEIDLIS DD (Sorieł) | | |
| Seriet revision | ac | | |
| Script Tevision Serial Number | 39790210 | | |
| Seriet memory | 16120 | | |
| Data memoru | 9192 | | |
| ScriptStart6ddress | 256 | | |
| FIELDBUS | 200 | | |
| Fieldbus ID | 126 | | |
| Data exchange | On Change | | |
| Fieldhus lengthbyte | | | |
| APPLICATION | | | |
| Protocol | Modbus BTU Slave | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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| | | | |
| | | | |
| | | | |

1.2 Additional parameters of the device configuration can be displayed via checking the Checkbox "more items visible".

| 🕺 WINGATE (WINGATE.wcf) | | _ 🗆 🗙 |
|---|---|---------------------|
| File Options Extras Help | | |
| ✓ more items visible | items editable | |
| Parameter | Value | |
| Software revision | V 7.8 | |
| Device type | PROFIBUS DP (Script) | |
| Script revision | 36 | |
| Serial Number | 39780210 | |
| Script memory | 16128 | |
| Data memory | 8192 | |
| ScriptStartAddress | 256 | |
| FIELDBUS | | |
| Fieldbus ID | 126 | |
| Data exchange | On Change | |
| Fieldbus lengthbyte | inactive | |
| Ident Number (0x2079) | disabled | |
| Ext. Diag Off | disabled | |
| Swap word | disabled | |
| APPLICATION | | |
| Protocol | Modbus RTU Slave | |
| Start bits | 1 | |
| Data bits | 8 | |
| Stop bits | 1 | |
| Parity | None | |
| Baudrate | 38400 | |
| 232 Interface | 485 | • |
| RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Auti | 8.3[36] (c)dA Switch=0x00FF Script(C:11848/16128.V:7888 hor="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780 | 3/8192) 210 ID=0 |
| upload finished | 256 bytes COM7 V 2.8.8 (408) | // |

1.3 The device configuration (*.gwc file) can be saved via "File" -> "Save as".

| 🕺 WINGATE (WINGATE.wcf) | |
|--|---|
| File Options Extras Help | |
| Open Sauce | more items editable |
| Save as Close | Iue 7.8 DEIRLIS DP (Script) |
| Upload (read from device) Download (write to device) Write script | 780210 128 92 |
| Printer options Print | 6 16 |
| Exit | 1 Change active |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Modbus RTU Slave |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface | 485 💌 |
| RS-PBV1-CL (232/422/485/SSI) V7. =''Universalscript Deutschmann'' Aut | 8.3[36] (c)dA Switch=0x00FF Script(C:11848/16128.V:7889/8192) nor="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| upload finished | 256 bytes COM7 V 2.8.8 (408) |

2. Reset to factory setting is performed through "Options" -> "Reset device".

| File D | Ontinue Extrac Help | | | | | |
|---------------------|---|-------------------------------------|--------------------------------|-----------------|--|---------------------------|
| File | Options Exclas Help | | L | | | |
| 🔽 n | Config file | | tems edita | ble | | |
| | Password | | | | | |
| Param | Fort | | | | | |
| Devic | Reset device | |)P (Script) | | | |
| Script | Generate Devicenet-B | DS-File | | | | |
| Serial | Generate EtnerNet/IP | -EDS-Eile | | | | |
| Script | Ganarata ECAT, Vial | Eila | | | | |
| <u>Data r</u> | Generate COATE Anne | THE ST | | | | |
| Script! | Generate CANOpen-I | :D2-File | J | | | |
| Fit | LUBUS | - | | | | |
| Fieldbus | : ID | 126 | | | | |
| Data ex | change | On Chang | e | | | |
| Fieldbus | : lengthbyte | inactive | | | | |
| Ident Nu | umber (0x2079) | disabled | | | | |
| Ext. Dia | g Off | disabled | | | | |
| Swap w | ord | disabled | | | | |
| APP | LICATION | | | | | |
| Protoco | | Modbus R | TU Slave | | | |
| Start bits | \$ | 1 | | | | |
| Data bit | \$ | 8 | | | | |
| Stop bits | \$ | 1 | | | | |
| Parity | | None | | | | |
| Baudrate | e | 38400 | | | | |
| 232 Inte | rface | 485 | | | | - |
| RS-PBV =''Univer | 1-CL (232/422/485/SSI) V rsalscript Deutschmann'' A/ | 7.8.3[36] (c)dA uthor=''G/S'' Ve | Switch=0x00 ersion=''V 1.4. | FF So 4'' Da | cript(C:11848/16128,V:7 ate=03.11.2015 SN=397 | '889/8192) '80210 ID=0 |
| upload | finished | 256 by | tes CO | M7 | V 2.8.8 (408) | // |

A warning message appears. To perform the "Reset device" confirm with "Yes".

| Warning | | × |
|---------|--|---|
| À | Do you really like to set the devices parameters to factory default values? The gateway may not operate as expected after reset! Only perform a reset if you know how to program the device! Continue? | |
| | Ja Nein | |

The following messages show up in the WINGATE status bar successively: "Wait for" Warmstart""; "wait for restart..."; "Wait CTRL_V.."; "Wait after restore.."; "search gateway" and "start Upload". Afterwards another power-up message of the device appears and an Upload is performed automatically.

| Wait for "Warmstart" | 256 bytes | COM7 V 2.8.8 (408) | |
|----------------------|-----------|--------------------|-------------|
| wait for restart | 256 bytes | COM7 V 2.8.8 (408) | |
| Wait CTRL_V | 256 bytes | COM7 V 2.8.8 (408) | <i>li</i> . |
| Wait after restore. | 0 bytes | COM7 V 2.8.8 (408) | //. |
| search gateway | 0 bytes | COM7 V 2.8.8 (408) | // |
| start Upload | 130 bytes | COM7 V 2.8.8 (408) | // |

Another power-up message follows and the upload of the device is shown in WINGATE.

As seen in the example below the "Universalscript Deutschmann" remains even after a "Reset device", but all parameters are reset to factory setting.

| File Options Extras Help | |
|--|---|
| _ | |
| more items visible | more items editable |
| Parameter | Value 🔺 |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 9600 |
| 232 Interface | 232 |
| RS-PBV1-CL (232/422/485/SSI) V7: =" <mark>"Universalscript Deutschmann"</mark> Auth | 8.3[36] (c)dA Switch=0x00FF Script(C:11848/16128,V:7883/8192) orr="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| unload finished | 256 byter COM7 V 2.8.8 (408) |

A custom script is deleted.

| RS-PBV1-CL (232/422/485/SSI SN=39780210 ID=0 |) V7.8.3[36] (c)dA Switch | h=0x00FF S | cript(C:1/16128,V:0/8192) | =""" |
|---|---------------------------|------------|---------------------------|------|
| upload finished | 256 bytes | COM7 | V 2.8.8 (408) | |

3 Connecting the UNIGATE[®] via application interface (RS232)

When wiring the UNIGATE[®] and the PC COM-Port (RS232-USB-Converter), please pay attention to the following pin assignment.



Attention: Do not connect anything else besides the terminal assignment listed below and the power supply for the UNIGATE[®].

3.1 PC COM-Port

| | PC COM-Port (9pol. D-Sub connector) |
|-----------------------|-------------------------------------|
| Rx232 / Rx | COM-Port Pin 3 = Tx |
| Tx232 / Tx | COM-Port Pin 2 = Rx |
| APGND / GND / 0V (RS) | COM-Port Pin 5 = GND |



Attention: The connection between APGND / GND / 0V (RS) and the GND of the PC COM-Port is mandatory!

3.2 UNIGATE[®] CL

| UNIGATE [®] CL Application interface RS232 |
|---|
| X1 Pin 1 = Rx232 |
| X1 Pin 2 = Tx232 |
| X1 Pin 3 = AP-GND |

3.3 UNIGATE[®] CM

| UNIGATE [®] CM Application interface RS232 | | |
|---|--|--|
| X1 Pin 1 = Rx232 | | |
| X1 Pin 2 = Tx232 | | |
| X1 Pin 3 = AP-GND | | |

3.4 UNIGATE® EL

| UNIGATE [®] EL Application interface RS232 | | |
|---|--|--|
| X1 Pin 1 = Rx232 | | |
| X1 Pin 2 = Tx232 | | |
| X1 Pin 3 = AP-GND | | |

3.5 UNIGATE® FC

| UNIGATE [®] FC Application interface RS232 |
|---|
| Pin 17 = Rx |
| Pin 18 = Tx |
| Pin 12 = GND |

3.6 UNIGATE® MB

| UNIGATE [®] MB | Application | interface | RS232 |
|-------------------------|-------------|-----------|-------|
| | / .pp | | |

| X1 Pin 1 = Rx232 | |
|-------------------|--|
| X1 Pin 2 = Tx232 | |
| X1 Pin 3 = AP-GND | |

3.7 UNIGATE® IC

| Pin 29 = Rx |
|--------------|
| Pin 30 = Tx |
| Pin 24 = GND |

3.8 UNIGATE® RS

|--|

5. pol screw-type plug connector Pin 3 = Rx

5. pol screw-type plug connector Pin 4 = Tx

5. pol screw-type plug connector Pin 5 = 0V (RS)

Note: The application interface must be set to RS232 via the slide switch.

UNIGATE[®] RS 232/422 Application interface RS232

9. pol D-Sub Pin 2 = Rx

9. pol D-Sub Pin 3 = Tx

9. pol D-Sub Pin 5 = 0V (RS)

Note: The application interface must be set to RS232 via the slide switch.

3.9 UNIGATE® SC

| UNIGATE [®] SC 232/485 Application interface RS232 | | |
|---|--|--|
| 5. pol screw-type plug connector Pin 3 = Rx | | |
| 5. pol screw-type plug connector Pin 4 = Tx | | |
| 5. pol screw-type plug connector Pin 5 = 0V (RS) | | |
| Note: The application interface must be set to RS232 via the slide switch. | | |
| UNIGATE [®] SC 232/422 Application interface RS232 | | |
| 9. pol D-Sub Pin 2 = Rx | | |
| 9. pol D-Sub Pin 3 = Tx | | |
| 9. pol D-Sub Pin 5 = 0V (RS) | | |
| Note: The application interface must be set to RS232 via the slide switch. | | |

3.10 UNIGATE® SC (Option Debug)

UNIGATE[®] SC Application interface RS232 9. pol D-Sub Pin 2 = Rx

9. pol D-Sub Pin 3 = Tx

9. pol D-Sub Pin 5 = GND

Note: The application interface must be set to RS232 via the slide switch.

4 Configuration via application interface (RS232)

1. The UNIGATE[®] must be connected via the application interface (RS232) and has to be started in configuration mode. In WINGATE[®] the following power-up message of the UNIGATE[®] appears.

| 🔏 WINGATE (WINGATE.w | cf) | | | <u>_ ×</u> |
|--|--|--------------------------------|---|------------------------------|
| File Options Extras H | elp | | | |
| 🗖 more items visible | 🔲 more iten | ns editable | | |
| Parameter | Value | | | |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |
| | | | | |
| | | | | |
| (S-PBV1-CL (232/422/485/SS "Universalscript Deutschmann configmode | 1] V7.8.3[36] (c)dA Swite "Author="G/S" Version | ch=UxU0FF So ≓'V 1.4.4'' D∂ | mpt(U:11848/16128) ate=03.11.2015 SN=3 | /:788978192) 9780210 ID=0 |
| | | | | |
| no gateway found | 0 bytes | COM7 | V 2.8.8 (408) | |

Note: The UNIGATE[®] can only be fully configured with WINGATE if the corresponding "Universal Script Deutschmann" is located in the device.

If a custom script is located in the UNIGATE[®], only the bus-specific parameters can be configured.

| NINGATE (WINGATE.w | cf) | | _ 🗆 🗙 |
|---|---|--|---|
| File Options Extras H | alp | | |
| 🗖 more items visible | 🗖 more items | editable | |
| Parameter | Value | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | 0.0055.0. : #0.11040 | 11 01 00 1/ 7000 101 00 |
| ="Universalscript Deutschmann Konfigmode | IJ V7.8.3(36) (c)dA Switch= <mark>"</mark> Author="G/S" Version="\ | -0x00FF Script(U:11848/ V 1.4.4" Diate=03.11.20 | 15128,V:788978192J 15 SN=39780210 ID=0 |
| | | | |
| no gateway found | 0 bytes | COM7 V 2.8.8 (40) | 3) //. |

2. The UNIGATE[®] can be read out via "File" -> "Upload (read from device)"



3. The device configuration is displayed in WINGATE when the upload is completed. The status bar shows the message "upload finished".

| 8 FIBUS DP (Script) 30210 28 |
|---------------------------------------|
| 30210 28 |
| 30210 28 |
| 80210 |
| 28 |
| |
| 2 |
| |
| |
| |
| Change |
| stive |
| |
| nsparent |
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| |
| |
| |
| |

4. Further parameters can be displayed by clicking the checkbox "more items visible".

| I more items visible | I more items editable |
|----------------------|-----------------------|
| Parameter | Value |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| ieldbus lengthbyte | inactive |
| dent Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 9600 |
| 232 Interface | |

5. "By checking "more items editable" all modifiable parameters are highlighted. In the picture below the baud rate has been modified from 9600 (factory setting) to 38400.

| Berrenter | Male |
|---|---|
| Parameter | Value |
| Sortware revision | |
| Device type | PRUFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39/80210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | 100 |
| Fieldbus ID | 126 |
| Data exchange | Un Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | |
| Baudrate | 38400 |
| 232 Interface RS-PBV1-CL (232/422/485/SSI) V7 ="Universalscript Deutschmann" Au | 232 8.3[36] [oldA Switch=0x00FF Script[C:11848/16128.V:7889/8192] thor="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| unload finished | 256 bytes COM7 V 2.8.8 (408) |

6. The modified configuration can be loaded into the UNIGATE[®] via "File" -> "Download (write to device)".

| 🕂 WINGATE (WINGATE.wcf) | |
|---|---|
| File Options Extras Help | |
| Open Save | ✓ more items editable |
| Save as | lue 🔺 |
| Close | 7.8 |
| Close | IOFIBUS DP (Script) |
| Upload (read from device) | 780210 |
| Download (write to device) | 128 |
| Witte series | 92 |
| Printer options | 6 |
| Print | |
| | - 6 |
| Exit | 1 Lhange |
| Ident Number (0v2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface | 232 💌 |
| RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Auth | 8.3[36] (c)dA Switch=0x00FF Script(C:11848/16128.V:7883/8192) nor="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| upload finished | 256 bytes COM7 V 2.8.8 (408) |

7. If the download is completed successfully, the device configuration is displayed in WINGATE. The message "download finished" appears in the status bar.

| 🕺 WINGATE (WINGATE.wcf) | |
|--|---|
| File Options Extras Help | |
| I more items visible | I more items editable |
| Parameter | Value 🔺 |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface Download ok Store data Rs PBV1-CL (232/422/485/SSI) V7. = "Universalscript Deutschmann" Auf Konfiger de | 232 8.3[36] (c)dA Switch=0x00FF Script[C:11848/16128.V:7889/8192) >>>>>>>>>>>>>>>>>>>>>>>>>>>> |
| download finished | 256 bytes COM7 V 2.8.8 (408) |

8. The configuration for the UNIGATE[®] can be saved and archived with "File" -> "Save as"

| 🕺 WINGATE (WINGATE.wcf) | <u>_ 🗆 ×</u> |
|---|--|
| File Options Extras Help | |
| Close Save as Close Upload (read from device) Download (write to device) Write script | ✓ more items editable kre 2,8 iDFIBUS DP (Script) 780210 128 92 |
| Printer options Print Exit | 6 5 1 Change |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface Download ok Store data Restart RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Aut Konfigmode | 232 |
| download finished | 256 bytes COM7 V 2.8.8 (408) |

5 Connecting UNIGATE® via Debug interface

When wiring the UNIGATE[®] and the PC COM-Port, or a RS232-USB-Converter, please pay attention to the following pin assignment.



Attention: Do not connect anything else besides the terminal assignment listed below and the power supply for the UNIGATE[®].

5.1 PC COM-Port

| UNIGATE® | PC COM-Port (9pol. D-Sub connector) |
|-----------------------|-------------------------------------|
| Rx-Debug / DbgRx | COM-Port Pin 3 = Tx |
| Tx-Debug / DbgTx | COM-Port Pin 2 = Rx |
| APGND / GND / 0V (RS) | COM-Port Pin 5 = GND |



Attention: The connection between APGND / GND / 0V (RS) and the GND of the PC COM-Port is mandatory!

5.2 UNIGATE® CL

| UNIGATE [®] CL Debug interface |
|---|
| X2 Pin 3 = Rx-Debug |
| X2 Pin 4 = Tx-Debug |
| X2 Pin 2 = 0V |
| Note: Not in conjunction with I/O 8 |

5.3 UNIGATE® CX

| UNIGATE [®] CX Debug ir | nterface 1 |
|--|------------|
| X1 Pin 3 = Rx-Debug | |
| X1 Pin 4 = Tx-Debug | |
| X1 Pin 2 = 0V | |
| | |
| UNIGATE [®] CX Debug ir | nterface 2 |
| UNIGATE® CX Debug in X2 Pin 3 = Rx-Debug | nterface 2 |
| UNIGATE [®] CX Debug in X2 Pin 3 = Rx-Debug X2 Pin 4 = Tx-Debug | nterface 2 |

5.4 UNIGATE® FC

| UNIGATE [®] FC Debug interface |
|---|
| Pin 16 = DbgRx |
| Pin 15 = DbgTx |
| Pin 12 = GND |

5.5 UNIGATE® IC

| UNIGATE [®] IC Debug interface | |
|---|--|
| Pin 28 = DbgRx | |
| Pin 27 = DbgTx | |
| Pin 24 = GND | |

5.6 UNIGATE[®] SC (Option Debug)

UNIGATE[®] SC Debug interface

9 pol. D-Sub Pin 9 = RxD

9 pol. D-Sub Pin 4 = TxD

9 pol. D-Sub Pin 5 = GND

Note: The application interface must be set to RS232 via slide switch.

6 Configuration via Debug interface

1. The UNIGATE[®] must be connected via debug interface and started in data exchange mode. The status bar shows the message "Device started in WINGATE-Mode".

| File Options Extras | нер | | |
|----------------------------|--------|----------------|--|
| 🗖 more items visible | 🗖 more | items editable | |
| Parameter | Value | | |
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| Jniversalscript Deutschman | n0x00 | | |
| 0000000000000 | | | |
| | | | |
| | | | |

2. Now the configuration of the UNIGATE[®] can be read out via menu item "Extras" -> "Upload config debug".

| WINGATE (W | /INGATE.wcf) | | | | _ 🗆 🗙 |
|---|-----------------|-------------|----------|----------------|-------|
| File Options | Extras Help | | | | |
| 🗖 more items | Firmware script | t extension | editable | | |
| Parameter 🤇 | Upload config | debug | | | |
| | Download com | ng debug | | | |
| | | | _ | | |
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| | | | | | |
| Jniversalscript Deu | tschmann0x00 | | | | |
| 000000000000000000000000000000000000000 | | | | | |
| | | | | | |
| | | | 001/2 | 14.0.0.0 (100) | |
| Device started in | WINGATE-Mode | 0 bytes | COM6 | V 2.8.8 (408) | 11. |

A window with the following note appears: "Restart UNIGATE in Run-Mode and confirm". In addition the status bar of WINGATE shows "Waiting for Device..". The UNIGATE[®] has to be restarted before you can confirm with "OK". The status bar of WINGATE shows "Device started in WING-ATE-Mode". Only now you can confirm via "OK".

| Waiting for Dev | ice | 0 bytes | COM6 | V 2.8.8 (408) | <i>li</i> . |
|-------------------|----------------|----------|-------|---------------|-------------|
| Device started in | n WINGATE-Mode | 0 bytes | COM6 | V 2.8.8 (408) | <i>li</i> , |
| | WinGate | | | | × |
| | Restart UNI | IGATE in | Run-M | ode and conf | ïrm |

3. Afterwards the upload is performed. The message "Uploading" appears in the status bar. The download is completed when the message "Upload finished" is shown.

| Uploading | 0 bytes COM6 V 2.8.8 (408) | |
|-------------------------------|--|---------|
| | | |
| | | |
| 🕄 WINGATE (WINGATE.wc | Ð | > |
| File Options Extras Hel | р | |
| more items visible | 🗖 more items editable | |
| arameter | Value | |
| oftware revision | V 7.8 | |
|)evice type | PB0FIBUS DP (Script) | |
| icrint revision | 36 | |
| ierial Number | 39780210 | |
| icrint memory | 16128 | |
| lata memory | 8192 | |
| crintStartAddress | 256 | |
| FIFLDBUS | | |
| ieldhus ID | 126 | |
|)ata exchange | On Change | |
| ieldhus lenathhute | inactive | |
| APPLICATION | | |
| Protocol | Transparent | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| niversalsorint Deutschmann0v0 | | - |
| niversalscript Deutschmannoxo | 0 | |
| 000000000000 | | |
| S-PBV1-CL (232/422/485/SSI) | V7.8.3[36] (c)dA Switch=0x0000 Script(C:11848/16128,V:788; | 3/8192) |
| Universalscript Deutschmann" | Author= 075 Version="V 1.4.4" Date=03.11.2015 SN=39780. | 21010=0 |
| | | |
| | | |

4. Additional parameters of the device configuration can be displayed via checking the checkbox "more items visible".

| 🕺 WINGATE (WINGATE.wcf) | |
|--|------------------------------|
| File Options Extras Help | |
| 💌 more items visible | 🦳 more items editable |
| Parameter | Value 🔺 |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 9600 |
| 232 Interface Universalscript Deutschmann0x00 10000000000000 RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Aut | 232 |
| Upload finished | 256 bytes COM6 V 2.8.8 (408) |

5. With the checkbox "more items editable" all modifiable parameters are highlighted. In the following picture the baud rate is modified from 9600 (factory setting) to 38400.

| NINGATE (WINGATE.wcf) | |
|---|---|
| File Options Extras Help | |
| - | |
| I more items visible | I more items editable |
| Parameter | Value |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface 0xF80x00NUniversalscript Deutschma | 232 |
| 10000000000000 RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Auth | 3.3(36) (c)dA Switch=0x0000 Script(C:11848/16128,V:7889/8192) orr="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| Upload finished | 256 bytes COM6 V 2.8.8 (408) |

6. The now modified configuration can be loaded into the UNIGATE[®] via menu item "Extras" -> "Download config debug".

| _{NINGATE} (WI | NGATI | E.wcf) | | | | | <u> </u> |
|---|------------------|--------------------------|---------------------|------------------------------------|----------------------------|--|----------------------------|
| File Options E | xtras | Help | | | | | |
| ₩ more items | Firm | iware scr | ipt e | xtension | editable | | |
| Parameter | Uple | ad conn | g de | bug | | | ▲ |
| Software revision | Dow | nload co | onfig | debug | | | |
| Device type 🥂 | | | IEB) | 11005 VF (50 | ript) | | |
| Script revision | | | 36 | | | | |
| Serial Number | | | 397 | 80210 | | | |
| Script memory | | | 161 | 28 | | | |
| Data memory | | | 819 | 2 | | | |
| ScriptStartAddress | | | 256 | | | | |
| FIELDBUS | | | | | | | |
| Fieldbus ID | | | 126 | 6 | | | |
| Data exchange | | | On | Change | | | |
| Fieldbus lengthbyte | | | ina | ctive | | | |
| Ident Number (0x207 | '9) | | dis | abled | | | |
| Ext. Diag Off | | | dis | abled | | | |
| Swap word | | | dis | abled | | | |
| APPLICATION | | | | | | | |
| Protocol | | | Tra | insparent | | | |
| Start bits | | | 1 | | | | |
| Data bits | | | 8 | | | | |
| Stop bits | | | 1 | | | | |
| Parity | | | No | ne | | | |
| Baudrate | | | 384 | 400 | | | |
| 232 Interface 0xF80x00NUniversal: | script D | eutschma | 232 ann0: | 2 x00 | | | - |
| 100000000000000 RS-PBV1-CL (232/42 =''Universalscript Deu | 2/485. utschm | /SSI) V7.1 ann'' Auth | 3.3[3 \or='' | 6] (c)dA Switch G/S'' Version=' | =0x0000 Sc V 1.4.4'' Da | rript(C:11848/16128,V: ate=03.11.2015 SN=39 | 7889/8192) 1780210 ID=0 |
| Upload finished | | | | 256 bytes | COM6 | V 2.8.8 (408) | |

A window with the following note appears: "Restart UNIGATE in Run-Mode and confirm". In addition the status bar of WINGATE shows "Waiting for Device..". The UNIGATE[®] has to be restarted before you can confirm with "OK". The status bar of WINGATE shows "Device started in WING-ATE-Mode". Only now you can confirm via "OK".



7. Afterwards the download is performed. The status bar of WINGATE shows the message "Downloading…". After a successfull download the WINGATE status bar shows "Download finished".

| Downloading | 256 bytes COM6 V 2.8.8 (408) |
|---|--|
| | |
| NINGATE (WINGATE.wcf) | _ _ _ |
| File Options Extras Help | |
| 🖌 mora itams visibla | ware items editable |
| | I nore icents edicable |
| Parameter | Value |
| Software revision | V 7.8 |
| Device type | PROFIBUS DP (Script) |
| Script revision | 36 |
| Serial Number | 39780210 |
| Script memory | 16128 |
| Data memory | 8192 |
| ScriptStartAddress | 256 |
| FIELDBUS | |
| Fieldbus ID | 126 |
| Data exchange | On Change |
| Fieldbus lengthbyte | inactive |
| Ident Number (0x2079) | disabled |
| Ext. Diag Off | disabled |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 38400 |
| 232 Interface RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Aut RS-PBV1-CL (232/422/485/SSI) V7. ="Universalscript Deutschmann" Aut | Z32 .8.3[36] (c)dA Switch=0x0000 Script(C:11848/16128.V:7883/8192) hor="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 .8.3[36] (c)dA Switch=0x0000 Script(C:0/16128.V:7889/8192) br="G/S" Version="V 1.4.4" Date=03.11.2015 SN=39780210 ID=0 |
| Download finished | COM6 V 2.8.8 (408) |

7 Load script

1. The UNIGATE[®] must be connected via application interface (RS232) and started in configuration mode. The power-up message of the UNIGATE[®] appears in WINGATE. The power-up message includes the name of the loaded script. In this case the "Universalscript Deutschmann" is loaded.

| , | | | |
|----------|--|--|--|
| | | | |
| | 🕺 WINGATE (WINGATE.wc | f) | <u>_ 0 ×</u> |
| | File Options Extras Hel | lp | |
| | 🗖 more items visible | 🗖 more items editable | |
| | Parameter | Value | |
| | | | |
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| | | | |
| | RS-PBV1-CL (232/422/485/SSI) ="Universalscript Deutschmann" Kontomode | 1V7.8.3(36) (c)dA Switch=0x00FF Script(C:11848 Author="G/S" Version="V 1.4.4" Date=03.11.20 | /16128.V:7889/8192) 15 SN=39780210 ID=0 |
| | RS-PBV1-CL (232/422/485/SSI) = <mark>''Universalscript Deutschmann''</mark> Konligmode | V7.8.3(36) (c)dA Switch=0x00FF Script(C:11848 Author="G/S" Version="V 1.4.4" Date=03.11.20 | /16128,V:7889/8192) 15 SN=39780210 ID=0 |

2. A compiled script can be selected and loaded via menu item "File"-> "Write script" (*.dcs). The message "open file" appears in the WINGATE status bar. In addition, the window "Load script file" opens. The corresponding script can be selected and loaded into the UNIGATE[®] via menu item "Open".

Note: (*.dcs) stands for **d**eutschmann **c**ompiled **s**cript.

Note: Loading a script can take up to 1 minute, depending on the size of the script.

| Open | 🗖 more iten | os editable. | | |
|---|--|-------------------------------------|--|-----------------------------------|
| Save | | | | |
| Save as | | | | |
| Close | | | | |
| Upload (read from devic | :e) | | | |
| Download (write to devi | ce) | | | |
| Write script | | | | |
| Printer options | | | | |
| Print | | | | |
| Exit | | | | |
| | | | | |
| | | | | |
| IS-PBV1-CL (232/422/485/SS "Universalscript Deutschmann onfigmode | il) V7.8.3[36] (c)dA Swit ''Author=''G/S'' Version | ch=0x00FF S ="V 1.4.4" D | cript(C:11848/16128,V ate=03.11.2015 SN=3 | :7889/8192) 9780210 ID=0 |
| S-PBV1-CL (232/422/485/SS "Universalscript Deutschmann onfigmode o gateway found | i) V7.8.3[36] (c)dA Swit ''Author=''G/S'' Version 0 bytes | ch=0x00FF S ="V 1.4.4" D | cript(C:11848/16128,V ate=03.11.2015 SN=3 V 2.8.8 (408) | :7889/8192) 9780210 ID=0 |
| IS-PBV1-CL (232/422/485/SS "Universalscript Deutschmann onfigmode to gateway found | il) V7.8.3[36] (c)dA Swit '' Author=''G/S'' Version 0 bytes | ch=0x00FF S ="V 1.4.4" D COM7 | cript(C:11848/16128,/ ate=03.11.2015 SN=3 V 2.8.8 (408) | :7889/8192) 9780210 ID=0 |
| S-PBV1-CL (232/422/485/SS "Universalscript Deutschmann onfigmode o gateway found pen file | il) V7.8.3[36] (c)dA Swit '' Author=''G/S'' Version 0 bytes 0 bytes | ch=0x00FF S ="V 1.4.4" D COM7 | cript(C:11848/16128,V ate=03.11.2015 SN=3 V 2.8.8 (408) V 2.8.8 (408) | :7889/8192) 9780210 ID=0 // |

3. Following a power-up message is obtained that also contains the name of the loaded script.

| _S WINGATE (WINGAT | E.wcf) | |
|---|--|-----|
| File Options Extras | Help | |
| 🗖 more items visible | 🗖 more items editable | |
| Parameter | Value | |
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| | | |
| Doumlood ok | | |
| Store data | | |
| Restart RS-PBV1-CL (232/422/485 | 5/SSI) V7.8.3[36] (c)dA Switch=0x00FF Script[C:218/16128,V:542/8192) | |
| ="Template Profibus" Author Konfigmode | or="(dAJ '' Version="V 1.4" Date=17.10.2013 SN=39780210 ID=0 | |
| open file | 0 bytes COM7 V 2.8.8 (408) | 11. |

8 Firmware-Script-Extension

1. The UNIGATE[®] must be connected via the application interface (RS232) and started in configuration mode. The UNIGATE[®] power-up message appears in WINGATE.

| SWINGATE (WINGATE.wci File Options Extras Hel |) | | _ 🗆 X |
|---|--|---|--|
| more items visible | r more item | is editable | |
| Parameter N | /alue | | |
| | | | |
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| | | | |
| | | | |
| | | | |
| RS-PBV1-CL (232/422/485/SSI) "Universalscript Deutschmann" Konfigmode | V7.8.3[36] (c)dA Swite Author="G/S" Version | h=0x00FF Script(C:11848/ =''V 1.4.4'' Date=03.11.201 | 16128,V:7889/8192) 5 SN=39780210 ID=0 |
| | 0 hi taa | COM7 1/ 28.8 (10) | |

 A corresponding Firmware-Script-Extension can be loaded via menu item "Extras" -> "Firmware script extension". Thereto two windows open. With the window "Extension DIg", the Firmware-Script-Extension is loaded into the UNIGATE[®]. The corresponding Firmware-Script-Extension can be selected with the second window.

| 💦 WIN | GATE (WINGATE.wcf) | | | | _ 🗆 🗙 |
|-----------------------|--------------------------------------|------------------|-----------------|--------------------------|-----------|
| File C | ptions Extrac Heip | | | | |
| 🗖 mor | re items | t extension | editable | | |
| Paramete | upload config | debug | | | |
| | Download cont | fig debug | | | |
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| | | | | | |
| | | | | | |
| RS-PBV1 | -CL (232/422/485/SSI) V7.8.3 | [36] (c)dA Swite | :h=0x00FF Sc | ript(C:11848/16128,V:788 | 39/8192) |
| ="Univer: Konfigmo | salscript Deutschmann'' Author de | ="G/S" Version | =''V 1.4.4'' Da | ite=03.11.2015 SN=39780 | 0210 ID=0 |
| | | | | | |
| no gate | way found | 0 bytes | COM7 | V 2.8.8 (408) | 1. |
| | | | | | |
| | | | | | |
| | 5 1 | | | | - |
| | KtensionDlg | | | : | × |
| | | | | write extensio | n |
| | | | | close | 7 |
| | | | | | - |
| | | | | | |
| | | | | | |
| | | | | | |

3. After the Firmware-Script-Extension is selected it is tested. Finally, the message "File read without errors" is shown.

| 🛃 ExtensionDlg | <u>_ 🗆 ×</u> |
|--|-----------------|
| Read file 'W:\Software\Firmware\Gateways\Custom\Cust0023-0024 (Cmd 23 und 24 V1-5 for SSLIs Info-File in SSI-0IdI) bex'' | write extension |
| Command extension number is 35. | close |
| File read without errors. | |
| | |

4. The Firmware-Script-Extension can be loaded via "write extension". Then its loaded into the UNIGATE[®].

| <u> </u> ExtensionDlg | <u>- 🗆 ×</u> |
|--|-----------------|
| File read without errors. write 0x80 Bytes from 0x1000 write 0x80 Bytes from 0x1080 | write extension |
| write 0x80 Bytes from 0x1100 write 0x80 Bytes from 0x1180 write 0x80 Bytes from 0x1200 | close |
| write 0x80 Bytes from 0x1280 write 0x6D Bytes from 0x1300 Checksum is 0xE4D7 | |
| write checksum | |

5. Finally, a window appears with the message "OK". Close the window by clicking "OK". Complete the process by clicking "close" in the "Extension Dlg" window. Afterwards the Firmware-Extension-Script can be downloaded into the UNIGATE[®].



9 Device description files

WINGATE can also create device description files. Prerequisite is that the "Universalscript Deutschmann" is loaded in the UNIGATE[®].



Attention: The with WINGATE created device description file can also be used for UNIGATE[®] devices with custom scripts. Requirement is that <u>only</u> fieldbus input and fieldbus output length are configured. Furthermore the "Product-Code" in the device description file has to be compared to the Article-No. (Vxxx) of the used UNIGATE[®]. They have to be identical.

 Carry out an upload from the device via menu item "File" -> "Upload (read from device)". Then the parameters for fieldbus input data lengths and fieldbus output data lengths have to be set.

| Parameter | Value |
|--|---|
| Software revision | V 40 |
| Device tupe | EtherNet/IP (Script) |
| Scrint revision | 41 |
| Serial Number | 39400012 |
| Scrint memory | 32512 |
| Data memory | 16384 |
| FIELDBUS | |
| IP address UNIGATE | 0.0.0.0 |
| Subnet mask | 0.0.0 |
| IP address Gateway | 0.0.0 |
| DHCP | enabled |
| P 3 | enappe |
| Blocklength(0-255) fieldbus input | 1 |
| Blocklength(0-255) fieldbus output | 1 |
| Data en la sega | P., change |
| Fieldbus lengthbyte | inactive |
| Swap word | disabled |
| APPLICATION | |
| Protocol | Transparent |
| Start bits | 1 |
| Data bits | 8 |
| Stop bits | 1 |
| Parity | None |
| Baudrate | 9600 |
| 232 Interface RS-EI-CL (232/422/485/SSI) V4.0.9 (C:11848/32512,V:7889/16384)="Un Date=03.11.2015 SN=39400012 IP=I | 232 41] [c]d4[65.656MH2] Switch=0xFF Script. Viersalscript Deutschmann'' Author="G/S" Version="V 1.4.4" 10.0.0 MAC=00-14-11-9F-74-5C |

Example: UNIGATE[®] CL EtherNet/IP

2. Following this, a device description file can be created via menu item "Options" -> "Generate..."

| AIW ⊱ | IGATE (WINGATE.wcf) | | | | | > | × |
|---|--|---|----------------------------------|--|--|------|-----|
| File | Options Extras Help | | | | | | |
| l ⊽ n | ✓ n Config file Password | | items e | editable | | | |
| Param | Port | | | | | | - |
| Softwa Devica | Reset device | | et/IP (S | cript) | | | |
| Script | Generate Devicemet-EDS-Fil | е | L | | | | |
| Serial | Generate EtnerNet/IP-EDS-F | ile | 012 | | | | |
| Script | General's ECAT, Yest File | | L | | | | |
| <u></u> | Generate CANOpen-EDS-Fil | e | | | | | |
| IP addre | ss UNIGATE | 0.0.0 | .0 | | | | |
| Subnet r | nask | 0.0.0 | .0 | | | | |
| IP addre | ss Gateway | 0.0.0 | .0 | | | | |
| DHCP | | enab | led | | | | |
| QoS | | enab | led | | | | |
| Blockler | Blocklength(0-255) fieldbus input 1 | | | | | | |
| Blockler | Blocklength(0-255) fieldbus output 1 | | - | | | | |
| Data exc | ita exchange On C | | hange | | | | |
| Fieldbus | lengthbyte | inact | ive | | | | |
| Swap w | Drd | disab | led | | | | |
| APP | LILATION | - | | | | | |
| Protocol | | I ran: | sparent | | | | |
| Start bits | | | | | | | |
| Data bits | | 8 | | | | | |
| Stop bits I | | | | | | | |
| Paudrate | Pauly None 9000 | | | | | | |
| 232 Inte RS-EI-CL (C:11848 Date=03 | r face (232/422/485/SSI) V4.0.9[41] (/32512,V:7889/16384)="Univers 1.11.2015 SN=39400012 IP=0.0.0 | 232 c)dA[66, salscript .0 MAC: | .666MHz Deutschi =00-14-11 |] Switch=0 mann'' Aut I-9F-74-5C | xFF Script hor="G/S" Version="V 1.4 | 1.4" | - |
| upload | finished | 256 by | tes | COM7 | V 2.8.8 (408) | | //. |

For the values to match the earlier created device description file, the modified device configuration must be loaded into the UNIGATE[®] via "File" -> "Download (write to device)".

10 Open device configuration

1. A device configuration (*.gwc) can be opened via "File" -> "Open".

Note: (*.gwc) stands for gateway configuration.

| 💦 WINGATE (WINGATE.wcf) | | | | <u>- 🗆 ×</u> |
|---|---------------------------------------|----------------------------|---|------------------------------|
| File Options Extras Help | | | | |
| Open | 🗖 more item | s editable | | |
| Save | | | | |
| Save as Close | | | | |
| Unland (and from double) | | | | |
| Download (verite to device) | | | | |
| Write script | | | | |
| Printer options | | | | |
| Printer options | | | | |
| Evit | | | | |
| Exit | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| RS-PBV1-CL (232/422/485/SSI) V7.8.3 ="Universalscript Deutschmann" Author= Configmede | [36] (c)dA Switc =''G/S'' Version= | h=0x00FF S ="V 1.4.4" D | cript(C:11848/16128) ate=03.11.2015 SN=3 | /:7889/8192) 9780210 ID=0 |
| toringino dotti | | | | |
| | | | | |

11 Secure device configuration

1. The device configuration can be saved via menu item "File" -> "Save" resp. "Save as".



12 Print device configuration

1. The printer can be selected via "File" -> "Printer options".



2. Save the setting via "OK".

| Druckeinrichtung | x |
|---|----------------------|
| Drucker Name: \\\VPrintSRVW2K8\Kyocera FS-4200 | DN K - Eigenschaften |
| Status: Bereit Typ: Kyocera FS-4200DN KX Standort: Produktion Kommentar: Standarddrucker UG | |
| Papier Größe: A4 Quelle: Autom. Quellenauswahl | Ausrichtung |
| Netzwerk | OK Abbrechen |

3. Then execute via "Print".



4. Before the printing starts a window with the corresponding parameters of the device configuration. Printing is initiated via "Print" and can be repeated as often as necessary.

| <u> 8</u> Print Wingat | e Document | _ 🗆 > |
|--|-------------------------|-------|
| 🗶 Close | Print Erint | |
| Wingate Versio | n V 2.8.8 (408) | |
| Configbase Ver | sion 408 | |
| Filename | <no name=""></no> | |
| Date 06.06.20 |)16 | |
| Size 256 byte | 15 | |
| Darameter | Value | |
| <u>Coftware revisions and the second se</u> | <u>value</u> No. V78 | |
| Device tune | PBDEIBLIS DP (Script) | |
| Script revision | 36 | |
| Serial Number | 39780210 | |
| Scrint memory | 16128 | |
| Data memorv | 8192 | |
| ScriptStartAddr | ess 256 | |
| FIELDBU | 3 | |
| Fieldbus ID | 126 | |
| Data exchange | On Change | |
| Fieldbus length | byte inactive | |
| ldent Number ((| Jx2079) disabled | |
| Ext. Diag Off | disabled | |
| Swap word | disabled | |
| APPLICATI | ON | |
| Protocol I ranspa | rent | |
| Start bits | | |
| Data bits | 8 | |
| Stop Dits | | |
| Parity None | 0000 | |
| Dauuratê 222 Interfase | 3000 222 | |
| 252 metrace | 232 | |

13 Closing WINGATE

1. Close WINGATE via "File" -> "Exit".



14 Servicing

Should questions arise that are not covered in this manual you can find further information in our

• FAQ/Wiki area on our homepage www.deutschmann.com or directly in our Wiki on www.wiki.deutschmann.de

If your questions are still unanswered please contact us directly.

Please note down the following information before calling:

- Device designation
- Serial number (S/N)
- Article number
- Error number and error description

Your request will be recorded in the Support center and will be processed by our Support Team as quickly as possible (Usually in 1 working day, rarely more than 3 working days.).

Technical Support hours are as follows: Monday to Thursday from 8 am to midday and from 1 pm to 4 pm, Friday from 8 am to midday. (CET)

Deutschmann Automation GmbH & Co. KG Carl-Zeiss-Straße 8 | 65520 Bad-Camberg | Germany

| Central office and sales department | +49 6434 9433-0 |
|-------------------------------------|------------------------|
| Technical support | +49 6434 9433-33 |
| | |
| Fax sales department | +49 6434 9433-40 |
| Fax technical support | +49 6434 9433-44 |
| | |
| E-mail technical support | support@deutschmann.de |

15 Returning a device

If you return a device, we require as comprehensive a fault/error description as possible. We require the following information in particular:

- What error number was displayed?
- What is the supply voltage (±0.5 V) with Gateway connected?
- What were you last doing or what last happened on the device (programming, error on power-up,...)?

The more precise information a fault/error description you provide, the more exactly we will be able to pinpoint the possible causes.

15.1 Downloading PC software

You can download current information and software free of charge from our Internet server. http://www.deutschmann.com