

## Software Name: MGate Manager

Version No.	Build Date No./ Release Date	Supported OS	Apply to Models	New Features/Enhancements	Bugs Fixed/Changes	Note
1.13	Build 17041311	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows 8.1 (x86/x64) Windows Server 2012 Windows Server 2012 R2 Windows 10 (x86/x64)	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate MB3170-M-SC, MB3170-M-ST, MB3170-S-SC, MB3170I-M-SC, MB3170I-S-SC, MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101IMB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support auto device routing for MGate MB3270, MB3280, and MB3480 series. <b>Enhancements:</b> 1. MGate 5101-PBM-MN / 5102-PBM-PN cannot communicate with WAGO 750-303 due to incorrect parsing. 2. Support EIP3000 Forward open connection path.	<b>Bugs Fixed:</b> 1. MGate 5101-PBM-MN/5102-PBM-PN cannot add SIE180BB.GSD (for Siemens SIMEAS P). 2. MGate 5101-PBM-MN/5102-PBM-PN cannot remove GSD file with read-only attribute. 3. MGate 5105-MB-EIP cannot be configured for some versions.	N/A
1.12	Build 16040710	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows 8.1 (x86/x64) Windows Server 2012 Windows Server 2012 R2 Windows 10 (x86/x64)	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate MB3170-M-SC, MB3170-M-ST, MB3170-S-SC, MB3170I-M-SC, MB3170I-S-SC, MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101IMB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support Windows 10. 2. MGate 4101 Modbus Fault Protection setting. <b>Enhancements:</b> 1. Modify MG4101 I/O mapping page, dynamic GSD export, and I/O data view. 2. Support MB3180 Web Console. 3. Add MB3000 Modbus TCP listen port setting.	<b>Bugs Fixed:</b> 1. MGate manager does not modify broadcast IP after changing IP and netmask settings on MGate 5101/5102/5105 device. 2. Update the PNIO version of MGate 5102 GSDML. 3. Fill all sentence in multi-language.	N/A
1.11	Build 14122210	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows 8.1 (x86/x64) Windows Server 2012 Windows Server 2012 R2	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate MB3170-M-SC, MB3170-M-ST, MB3170-S-SC, MB3170I-M-SC, MB3170I-S-SC MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support MGate MB3170-M-SC, MB3170-M-ST, MB3170-S-SC, MB3170I-M-SC, MB3170I-S-SC. 2. Support Modbus routing by TCP port, IP address and multi-range slave ID. 3. Support MB3000 monitor log exporting to CSV format. <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> N/A	N/A
1.10	Build 14070416	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows 8.1 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support Windows 8.1, Windows Server 2012 R2. <b>Enhancements:</b> 1. Support PROFIBUS module name with size over 32 characters. The displayed module name will be truncated when size over the 32-character limitation specified by PROFIBUS GSD specification.	<b>Bugs Fixed:</b> 1. Modify the file extension of MB3000 offline configuration to "cfg". 2. "Monitor" function of device will be failed if the device address is translated (NAT) by a router. 3. GSD Management cannot add the GSD file with long argument. 4. Allow Modbus command 06 with swap being set to "Byte".	N/A

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1.9	Build 13080610	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support SNMP configuration for MGate EIP3000 series. 2. Support SNMP and LLDP configuration for MGate 5101-PBM-MN. 3. Support Off-Line configuration for MGate MB3000, EIP3000 and 4101-MB-PBS series.  <b>Enhancements:</b> 1. Change the minimum poll interval value of Modbus master command to 100 ms for MGate 5101-PBM-MN	<b>Bugs Fixed:</b> 1. When configuring ProCOM Mapping for MGate EIP3270, it doesn't show the model name.	N/A
1.8	Build 13070311	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support MGate 5105-MB-EIP. 2. Support RTS toggle flow control for MGate MB3000 series. 3. Support adjustable inter-character timeout and inter-frame delay for Modbus setting of MGate MB3000 series. 4. Add SNMP function to MGate MB3000 series. 5. Support offline open function in ProCOM.  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. Setting DF1 Ack-timout will fail on MGate EIP3000 series. 2. For MGate MB3000 series, the maximum length of password is restricted within 15 characters. 3. Upgrading multiple MGate series devices with the same IP address will fail. 4. Adding another PROFIBUS module after the warning message "Slot input/output address is full" has popped up. The assigned input address of the module will be invalid. If user try to modify the input address to an available address, the warning message "PROFIBUS input address is conflict" will be shown on MGate 5101-PBM-MN, 5102-PBM-PN. 5. Fix the bug that mapped ProCOM ports were not removed after driver being uninstalled. 6. Fix the bug that service of driver was not stopped and removed after driver being	

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1.7	Build 13031215	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support MGate 5102-PBM-PN.  <b>Enhancements:</b> 1. Change the minimum polling interval value of Modbus master command on MGate 4101-MB-PBS to 10 ms.	<b>Bugs Fixed:</b> 1. PROFIBUS slots share the same input or output address on MGate 5101-PBM-MN. 2. Incorrect information will be shown when PROFIBUS module type is longer than 10 bytes. 3. Skip the validity check of user parameter of PROFIBUS slot on MGate 5101-PBM-MN. 4. In configuring compact mode (one slot only) of MGate 5101-PBM-MN, slot can not be added again after removed. 5. In PROFIBUS setting page of MGate 5101-PBM-MN, when user click on edit menu, an error message will be shown if no any GSD file exists. 6. The name on main page will be shown incorrectly if the length is exactly 40 bytes. 7. The address of copied PROFIBUS slave modules are not in sequence on MGate 5101-PBM-MN. 8. MGate 5101-PBM-MN can not communicate with PROFIBUS slave if GSD file does not include the maximum length of diagnostic information. 9. The information of Slave Diagnose page will be shown incorrectly on MGate 5101-PBM-MN.	
1.6	Build 12091815	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support MGate 5101-PBM-MN.  <b>Enhancements:</b> N/A	<b>Bugs Fixed:</b> 1. Show "illegal IP" when the last address of ProCOM IP is bigger than 244.	N/A

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1.5	Build 11112311	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Support MGate 4101-MP-PBS.  <b>Enhancements:</b> 1. Re-layout for main dialog. 2. When ProCOM mapping fail, recover previous mapping settings. 3. Remove the unnecessary step (restart mgrdrv service) when mapping ProCOMs. 4. Remove response time-out setting of ProCOM on EIP3000. 5. Set monitoring function to use an adjustable sized dialog.	<b>Bugs Fixed:</b> 1. Incorrect display of list in configuration dialog. 2. MGate manager fails to add/delete ProCOMs since registry key (ComDB) size is not compatible. 3. Unable to set EIP3000 response time-out as value over than 30000 ms. 4. Login always failed after setting password with 16 bytes length. 5. Uncorrect name of EIP3000 after importing configuration file. 6. Uncorrect information of MGCI.dll. 7. When set specified requests for priority control, modify a request would make MGate Manager add a new one instead. 8. On EIP3000_ACK time-out of DE1 could	N/A
1.4	Build 10060317	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Add Modbus ProCOM. 2. Add "Clear" button in "Monitor" page. 3. Add "Copy to clipboard" popup menu when user select a command in "Monitor" page. 4. Add "Accessible IP" page in configuration dialog. 5. Add web console setting in "Miscellaneous" page. 6. Add "Load Default" function.  <b>Enhancements:</b> 1. Broadcast after all MGates' IP settings finish. 2. Add 4 ProCOM mapping in first time with non-used port and it can be modified by double-click the item.	<b>Bugs Fixed:</b> 1. User apply ProCOM mapping fail due to un-existed registry. 2. Import/export "Second_IP" configuration of EIP3270/EIP3270I. 3. Second IP of Modbus is NULL.	N/A

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1.3	Build 09062211	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Add EIP3000 series. 2. Add EIP ProCOM. 3. Increase "slave TCP port" setting on "Slave ID Map". 4. Increase "Auto Relay Warning" setting on the "Miscellaneous" page.  <b>Enhancements:</b> 1. Add new language string in "Miscellaneous" page into files. 2. Use multithread to upgrade firmware if several models are selected. 3. User cancel detection without patient when auto detection is running, show the completed results in list. 4. Modify code architecture and add comments for multiple models supporting. 5. Enable only "Network" as setting a group of different model devices. 6. Enable 8 serial data bits setting in ASCII mode.	<b>Bugs Fixed:</b> 1. Break if one error occurs without setting others in CCFGMiGW & CCFGModbus. 2. Modify MyOnMove() in MyTabCtrl. And remove initialized variable in DlgMBCConfig. 3. Firmware version is inconsistent on telnet console and utility. 4. Check firmware version to decide if target MB3X70 supports "Auto Relay Warning" function. 5. Increase "Auto Relay Warning" setting on export/import function.	N/A
1.2	Build 07081514	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Configuration of emergency requests. 2. Support MB3280, MB3170/3170I and MB3270. 3. Support language of Polish.  <b>Enhancements:</b> 1. Available to set multiple MGates in the same name or only set one MGate when configure multiple MGates. 2. Available to set multiple MGates in ascending IP, in the same IP or only set one MGate when configure multiple MGates. 3. Display firmware version in 2 digits instead of 3 digits. 4. Less error occurs when broadcast search is just after power on of MGate which uses DHCP. 5. Increase paging on log monitoring. 6. Change layout of Slave ID Map configuration page.	<b>Bugs Fixed:</b> 1. Displaying of wrong raw data address on traffic monitor. 2. Mismatched status and firmware version when sort the MGates list. 3. Fail to configure MGate when password set by MGate Manager and then changed by other utility. 4. Password import fail after target MGate is reset to default. 5. Incorrect MGate's name after set MGate's name in maximum size.	N/A

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1.1	Build 07041910	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	<b>New Features:</b> 1. Available to enter the configuration pages by double click a MGate on the MGates list. 2. Add Group Box to separate settings of mode and serial of each port.  <b>Enhancements:</b> 1. Language button and dialog would always keep showing in English instead of language user specified. 2. Auto set extend file name as saving/loading files. 3. Change the message of "Modbus Tcp" to "Modbus TCP". 4. Available to add found device time to time by searching in specified IP. 5. Less error message displaying occurs when broadcast search is just after power on of MGate which uses DHCP.	<b>Bugs Fixed:</b> 1. Wrong firmware version returned by dsc_GetKernelInfo of MGCI. 2. Wrong tab order. 3. Unlimited length of MGate's name. 4. Incorrect displaying of "Unlock" on the MGates list.	N/A
1.0	Build 07032819	Windows 2000 (x86/x64) Windows XP (x86/x64) Windows 2003 (x86/x64) Windows Vista (x86/x64) Windows Server 2008 (x86/x64) Windows Server 2008 R2 Windows 7 (x86/x64) Windows 8 (x86/x64) Windows Server 2012	MGate MB3180, MB3280, MB3480, MB3170, MB3170I, MB3270, MB3270I MGate EIP3170, EIP3170I, EIP3270, EIP3270I MGate 4101-MB-PBS, 4101I-MB-PBS MGate 5101-PBM-MN, 5102-PBM-PN, 5105-MB-EIP	First Release	N/A	N/A