



## Firmware for MGate 4101-MB-PBS Series Release Notes

<b>Version:</b> v2.0	<b>Build:</b> N/A
<b>Release Date:</b> Apr 22, 2020	

### Applicable Products

MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

### Supported Operating Systems

N/A

### New Features

N/A

### Enhancements

N/A

### Bugs Fixed

- A Modbus data frame error occurred due to the misidentification of a specific Modbus RTU packet.

### Changes

N/A

### Notes

N/A



<b>Version: v1.6</b>	<b>Build: Build 16030313</b>
<b>Release Date: Apr 21, 2016</b>	

### **Applicable Products**

MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

### **Supported Operating Systems**

N/A

### **New Features**

- Supports Modbus fault protection.
- Supports Modbus and PROFIBUS command tag name.
- Supports I/O data view.

### **Enhancements**

- Enhanced Modbus communication performance.

### **Bugs Fixed**

- Data error would occur with low baudrate and FIFO enabled for Modbus RTU communication.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.5</b>	<b>Build: Build 15082009</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Modbus RTU communication would stop if MGate continuously operated without power cycling for over 49.7 days.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.4</b>	<b>Build: Build 14080611</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

- Modbus slave ID can be set to 248 ~ 255.

**Bugs Fixed**

- Modbus ASCII communication may stop if an error frame was received.
- Modbus RTU communication would fail if FIFO was disabled.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.3</b>	<b>Build: Build 14031018</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

N/A

### **Bugs Fixed**

- MGate 4101 PROFIBUS port stopped responding to PROFIBUS telegrams after receiving broadcast telegrams with destination SAP 63.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.2</b>	<b>Build: Build 13032915</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

- Passed PI certification test.
- Changed the minimum value of the polling interval in Modbus master commands to 10 ms.

**Bugs Fixed**

- MGate 4101 would return incorrect diagnostic data to the PROFIBUS master after powering on.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.1</b>	<b>Build: Build 13030614</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- Compatibility issues with the HMS PROFIBUS Master simulator.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.1</b>	<b>Build: Build 12122613</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- MGate 4101 would reply with the wrong value when receiving SSA (Set-Slave-Address) commands from the PROFIBUS Master.
- Cleared diag.Ext\_diag flag when a PROFIBUS watchdog timeout occurred.

**Changes**

N/A

**Notes**

N/A





<b>Version: v1.1</b>	<b>Build: Build 12121114</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

N/A

**Enhancements**

N/A

**Bugs Fixed**

- MGate 4101-PBM-MB would return success when the PROFIBUS master sent a chk\_cfg telegram and the I/O configuration was inconsistent with the device settings.

**Changes**

N/A

**Notes**

N/A



<b>Version: v1.1</b>	<b>Build: Build 12092111</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

MGate 4101I-MB-PBS, MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Changed the minimum value of the polling interval in Modbus master commands to 10 ms.

### **Bugs Fixed**

- MGate 4101 would sometimes return diagnostic data with Stat\_Diag bit of octet 2 and Ext\_Diag\_Overflow bit of octet 3 set to 1 after powering on.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.1</b>	<b>Build: Build 11112119</b>
<b>Release Date: N/A</b>	

### **Applicable Products**

MGate 4101-MB-PBS, MGate 4101-MB-PBS-T, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

### **Supported Operating Systems**

N/A

### **New Features**

N/A

### **Enhancements**

- Shortened the time required to set configuration, get configuration, import configuration, export configuration, and firmware upgrade.
- Changed PROFIBUS ident number from 0x0405 to 0x0D80.
- QuickLink learning function can take up to 3 Modbus master requests to learn the Modbus devices well.

### **Bugs Fixed**

- Unable to upgrade to firmware files over 180 KB.
- MGate 4101 would sometimes reboot repeatedly after powering on.
- MGate 4101 would fail to stop providing error diagnostics for PROFIBUS when there is no timeout to expire MODBUS requests.

### **Changes**

N/A

### **Notes**

N/A



<b>Version: v1.0</b>	<b>Build: Build 11072817</b>
<b>Release Date: N/A</b>	

**Applicable Products**

MGate 4101-MB-PBS-T, MGate 4101-MB-PBS, MGate 4101I-MB-PBS, MGate 4101I-MB-PBS-T

**Supported Operating Systems**

N/A

**New Features**

- First release.

**Enhancements**

N/A

**Bugs Fixed**

N/A

**Changes**

N/A

**Notes**

N/A