

Motion Controller GM1 Firmware Version-up V.1.4.0.1

Information you need to know before using the software (Essential reading)

About

Motion Controller GM1 Firmware Version-up file Ver1.4.0.1 is file to version-up GM1 Firmware to Ver1.4.0.1.
Please version-up following the procedure in "How to Install".

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How to Install

The firmware update consists of two hex files.

- 1. Create a GM Programmer project.**

Starting up GM Programmer, preparing project file to connect Motion Controller GM1 before version-up.

Execute the Network Scan function and connect to the GM1.

- 2. Select Online>Unit Version Upgrade from the menu bar,**

The "Unit Version Upgrade" dialog box appears.

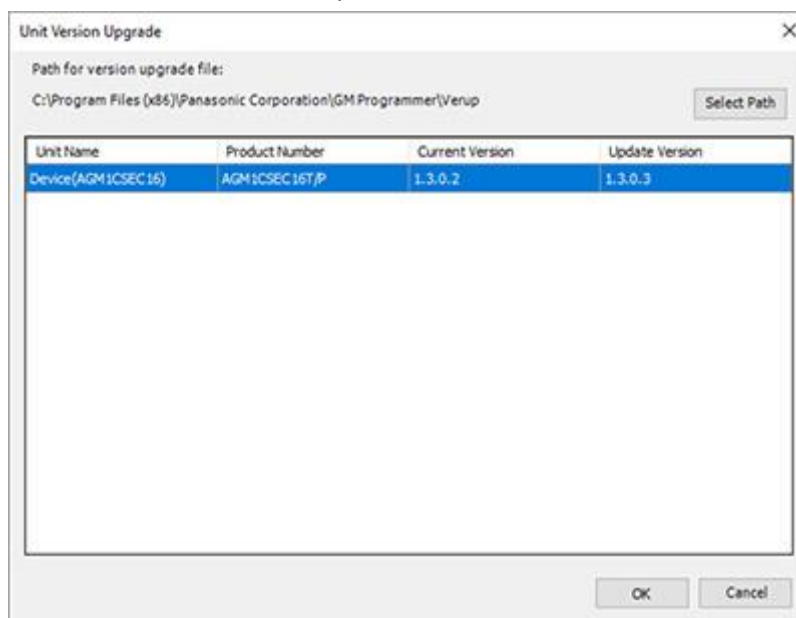
- 3. Save .hex files to path for version update file**

Administrator privileges is required to save files to the default path.

Click the [Select Path] button and specify a folder where .hex files are saved if you do not have administrator privileges.

- 4. Execute Firmware Version-up.**

Click [OK] button after selecting the version in the Update Version column to proceed firmware version-up. For details on how to version-up firmware, refer to the GM1 Series User's Manual (Operation).



GM1 Firmware Detailed Version-Up Information

Version-Up Information (Ver.1.4.0.0 to Ver. 1.4.0.1) (April 15, 2024 update)

The following points have been upgraded.

■Corrected the following errors.

- RETAIN and PERSISTENT variables error.

Version-Up Information (Ver.1.3.0.3 to Ver. 1.4.0.0) (November 8, 2023 update)

The following points have been upgraded.

- Expanded the maximum number of real axes for RTEX from 16 to 32 axes.
- Added MQTT client.
- Added DNS client.
- Added SNTP client.
- Added the project management function block.

■Corrected the following errors.

- Fixed FTP server timestamp information to local time display.
- Improved starting Controller if expansion units are connected.
Fixed Digital input / output unit, Analog input / output unit and Pulse output unit too.

Version-Up Information (Ver.1.3.0.2 to Ver. 1.3.0.3) (June 21, 2023 update)

The following points have been upgraded.

■Corrected the following errors.

- Starting Controller may fails only if expansion units are connected.

Version-Up Information (Ver.1.3.0.1 to Ver. 1.3.0.2) (February 1, 2023 update)

The following points have been upgraded.

■Corrected the following errors.

- Fixed a bug in the CNC function.

Version-Up Information (Ver.1.3.0.0 to Ver. 1.3.0.1) (September 26, 2022 update)

The following points have been upgraded.

■Corrected the following errors.

- The motion task stops during error clear processing.

Version-Up Information (Ver.1.2.0.0 to Ver. 1.3.0.0) (June 13, 2022 update)

The following points have been upgraded.

- Added OPC UA server.
- Added the communication to display units. (Codesys V3 communication)
- Added FTP server.
- Added the project management. (SD backup and restore operating GM1 device directly)
- Added the setting of whether to write the IP address.

Version-Up Information (Ver.1.0.1.0 to Ver. 1.2.0.0) (October 13, 2021 update)

The following points have been upgraded.

- Added following models.
 - GM1 Controller EtherCAT type
 - Digital output Unit(PNP)
 - Digital I/O Unit (PNP)
 - Analog input Unit
 - Analog output Unit
 - Pulse output Unit
- Supported firmware update by GM Programmer (USB/LAN).
- The operation mode of GM1 Controller RTEX type can be changed to RUN mode regardless of the running status of the MINAS.