

ControlLogix Analog Servo Modules, Firmware Revision 17

Catalog Numbers 1756-HYD02, 1756-M02AE, 1756-M02AS

When to Use These Release Notes

Use these release notes for information about these firmware revisions.

Module	Cat. No.	Revision
ControlLogix 2-axis Hydraulic Servo Module	1756-HYD02	17.02
ControlLogix 2-axis Analog Encoder Servo Module	1756-M02AE	17.03
ControlLogix 2-axis Analog SSI Servo Module	1756-M02AS	17.02

IMPORTANT

Before updating your ControlLogix Analog Servo Modules, we strongly recommend that you review information pertinent to previous major firmware revisions. For example, when updating from revision 16.x to 17.x, view information for revision 16 in the ControlLogix Analog Servo Modules, Revision 16 Release Notes, publication [1756-RN643](#), in addition to the content of these release notes.

Firmware release notes contain material for all minor revisions subsequent to each major revision. If your controller, for example, is at revision 16.3, and not the last minor revision, 16.5, you should view all of the information for revision 16.3...16.5 before updating to revision 17.x.

ControlLogix Analog Servo Modules, Revision 16 Release Notes, publication [1756-RN643](#), are available at <http://literature.rockwellautomation.com>.

Compatible Revisions

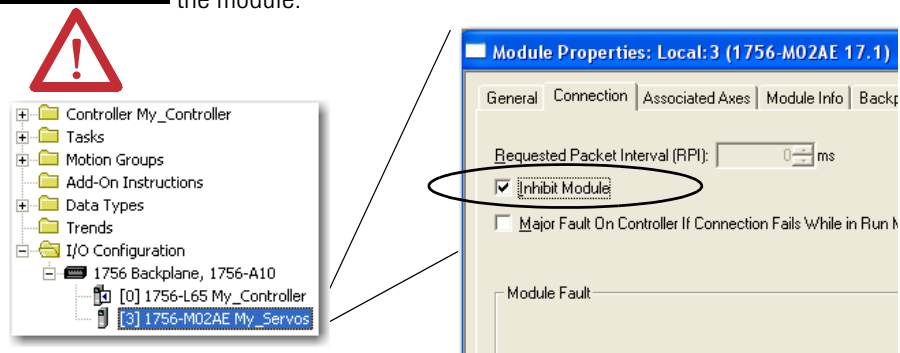
To use firmware revision 17.x, update your system as follows.

Update	To Revision
RSLink Classic software	2.54 or later
RSLink Enterprise software	5.17 or later
RSNetWorx	9.00 or later
RSLogix 5000 software	17
ControlLogix controller	17.02

Before You Begin

ATTENTION

Before you upgrade the firmware of your module, you must inhibit the module.



This disables the axes and makes updating the module easier.

Corrected Anomaly

The following anomaly has been identified and corrected in the module firmware revision listed. The left most column of the table indicates the module that the anomaly was corrected in.

Cat. No.	Firmware Revision	Anomaly	Description
1756-HYD02	17.02	Changing Firmware	IMPORTANT: This anomaly does not apply to 1756-M02AE modules that use firmware revision 16.3.
1756-M02AE	17.03	Revision on	
1756-M02AS	17.02	1756-HYD02, 1756-M02AE, or 1756-M02AS May Fail Under Some Conditions	For the ControlLogix analog servo modules, that is the 1756-HYD02, 1756-M02AE, or 1756-M02AS, changing the module's firmware revision from 16.x or earlier may fail, regardless of whether you are upgrading or backflashing the firmware. If the PC completing the upgrade/backflash uses a processor speed that is too fast or if there are too many ControlLogix modules in the same chassis as the analog servo module, the process to change the module's firmware may fail. If you experience this anomaly, remove other ControlLogix modules from the chassis and attempt to change the analog servo module's firmware again. Lgx00079285, Lgx00075933, Lgx00071573, Lgx00077698, Lgx00077696

Cat. No.	Firmware Revision	Anomaly	Description
1756-M02AE	17.03	Axis fault occurred after updating the 1756-M02AE Analog Servo Module firmware to revision 16.1 using Firmware Supervisor.	<p>Use this workaround to correct this anomaly.</p> <p>For more information about updating modules with Firmware Supervisor, refer to the Logix5000 Controllers Design Considerations Reference Manual, publication 1756-RM094.</p> <ol style="list-style-type: none"> 1. Use ControlFlash software to install the 1756-M02AE Analog Servo Module revision 16.1 (Kit 2) firmware update. You can also obtain the firmware update by downloading it from the MySupport website at http://support.rockwellautomation.com/firmware.asp. 2. Use Windows Explorer to navigate to the directory where ControlFlash is installed. The default directory is C:\Program Files\ControlFlash. 3. From the install directory, navigate to this subdirectory. <Directory where ControlFlash is installed>\0001\0010\0003 4. If present, delete these .NVS files: <ul style="list-style-type: none"> · 99523201.NVS · 99523202.NVS · PN-15038.NVS 5. Use Windows Explorer to navigate to this directory. C:\Program Files\Common Files\Rockwell\CFOldKits\0001\0010\0003 6. If present, delete these NVS files: <ul style="list-style-type: none"> · 99523201.NVS · 99523202.NVS · PN-15038.NVS 7. Clear the CompactFlash image on all controllers that will be used to update 1756-M02AE cards. <ol style="list-style-type: none"> a. In RSLogix 5000 software, go online with the controller. b. On the Controller Properties dialog, click on the Nonvolatile Memory tab. c. Click Load/Store. d. From the Automatic Firmware Updates pull-down menu, select Disable and Delete Files From Image. e. Click Store. 8. Store the new image to the controller's CompactFlash card. <ol style="list-style-type: none"> a. In RSLogix 5000 software, go online with the controller. b. On the Controller Properties dialog, click on the Nonvolatile Memory tab. c. From the Automatic Firmware Updates pull-down menu, choose Enable and Store Files to Image. d. Click Store. <p>Lgx00077339</p>

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