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.

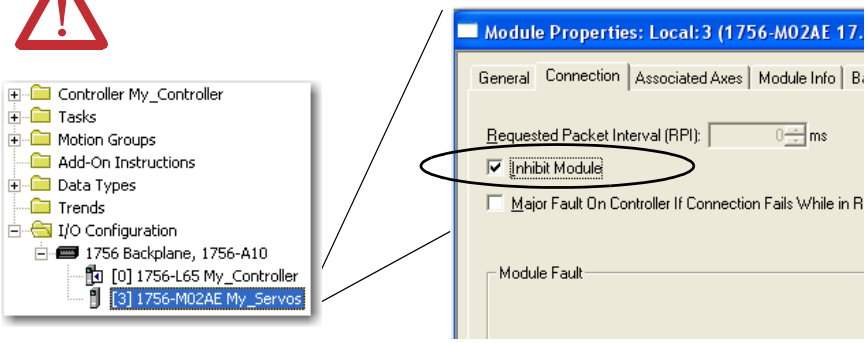
Compatible Revisions

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

Update	To Revision
RSLinx Classic software	2.54 or later
RSLinx Enterprise software	5.17 or later
RSNetWorx software	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 Anomalies

The following anomalies have been identified and corrected in the module firmware revision listed. The left-most column of the table indicates the module in which the anomaly was corrected.

Cat. No.	Firmware Revision	Anomaly	Description
1756-M02AE	17.03	Updating the module's firmware using ControlFlash may leave the module in a non-recoverable state.	Reflashing a 1756-M02AE module to the same V16 revision results in a non-recoverable module. Lgx00079285
1756-M02AE	17.03	Changing firmware revision on 1756-HYD02, 1756-M02AE, or 1756-M02AS may fail under some conditions.	If the computer completing the upgrade/backflash uses a processor speed that is too fast, or there are too many active connections to the module, the process to change the module's firmware may fail. This anomaly was fixed in the V17 firmware. To benefit from this change, V17 must reside on the module. Lgx00079285, Lgx00075933, Lgx00071573, Lgx00077698, Lgx00077696
1756-M02AS	17.02		
1756-HYD02	17.02		
1756-M02AE	17.03	Axis fault occurred after updating the 1756-M02AE Analog Servo Module firmware to revision 16.1 using Firmware Supervisor.	Use the workaround provided in publication 1756-RN643 to correct this anomaly. Lgx00077339

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At http://support.rockwellautomation.com, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit http://support.rockwellautomation.com.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

Allen-Bradley, Rockwell Automation, ControlLogix, RSLinx Classic, RSLinx Enterprise, RSNetWorx, RSLogix 5000 and TechConnect are trademarks of Rockwell Automation, Inc.

Trademarks not belonging to Rockwell Automation are property of their respective companies.

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation, Vorstlaan/Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 1756-RN656B-EN-E - June 2009 PN-52696
Supersedes Publication 1756-RN656A-EN-E - July 2008
Copyright © 2009 Rockwell Automation, Inc. All rights reserved. Printed in the U.S.A.