



ControlLogix SERCOS Interface Module, Firmware Revision 15

Catalog Numbers 1756-M03SE, 1756-M08SE, 1756-M16SE

When to Use These Release Notes

Use these release notes for firmware revision 15.37.

Description	Cat. No.
ControlLogix 3 Axis SERCOS interface module	1756-M03SE
ControlLogix 8 Axis SERCOS interface module	1756-M08SE
ControlLogix 16 Axis SERCOS interface module	1756-M16SE

These release notes include the changes and corrected anomalies of earlier revisions of 15 firmware.

Compatible Revisions

To use firmware revision 15.37, update your system as follows.

Update this	To revision
RSLink software	2.50 or later
RSLogix 5000 software	15
ControlLogix controller	15

Corrected Anomaly in Firmware Revision 15.37

Firmware revision 15.37 corrects the SERCON816 ASIC chip anomaly.

A SERCOS interface module ring drop and service channel issue was identified as a result of an anomaly occurring in the SERCON816 ASIC chip.

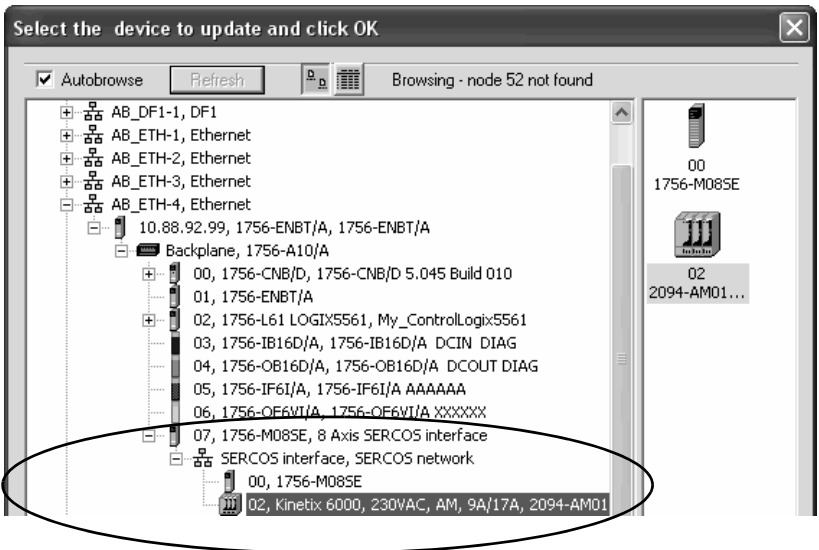
Known Anomaly in Firmware Revision 15.37

A known issue with this firmware revision is that the SERCOS interface module will not operate in slot 0. If the SERCOS interface module is placed in slot 0, it results in an error indicated by all three module LED's turning solid red.

Enhancements for Firmware Revision 15.32

Firmware revision 15.32 for the ControlLogix SERCOS interface modules has these enhancements.

Enhancement	Description
Inhibit an axis	<p>Inhibit an axis when you want to block the controller from using the axis but let the other axes run. The typical uses are when you:</p> <ul style="list-style-type: none">• commission a system.• configure a generic project to match the configuration of a specific application.• reconfigure a system due to a failed component. <p>We recommend that you do not continually inhibit and uninhibit axes as part of normal operation.</p> <p>When you inhibit an axis:</p> <ul style="list-style-type: none">• the connections to the motion module shut down. This opens the servo loops of all the drives that are connected to the module.• for a SERCOS interface module, the SERCOS ring drops to phase 0.• the controller automatically restarts the connections. The SERCOS ring also phases back up. <p>Follow these steps before you inhibit or uninhibit an axis.</p> <ol style="list-style-type: none">1. Stop all motion.2. Open the servo loops of all the axes, using an instruction such as the Motion Servo Off (MSF) instruction.

Enhancement	Description
Update the firmware of SERCOS drives over your SERCOS network	<p>This revision lets you use ControlFlash software to update the firmware of your SERCOS drives over the SERCOS network. You don't need to connect a separate cable to the drives.</p> <div><div>Update your drives over the SERCOS network.</div></div> <p>Your drives must be at this revision or later to update them over the SERCOS network.</p> <ul style="list-style-type: none">• 1394 — 1.85• Ultra3000 — 1.50• Kinetix 6000 — 1.85• 8720MC — 3.85

**Enhancements for
Firmware Revision 15.5**

For a list of enhancements, see ControlLogix Controllers Revision 15 Release Notes, publication 1756-RN620.

Additional Resources

You can view or download publications at <http://www.literature.rockwellautomation.com>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

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 with a hardware module 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 module up and running.

United States	1.440.646.3223 Monday – Friday, 8am – 5pm EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell 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, it may need to be returned.

United States	Contact your distributor. You must provide a Customer Support case number (see 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 return procedure.

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