



8 Axis SERCOS interface Module Firmware v2.10 Release Note

Cat. No. 1756-M08SE

Introduction

This release note corresponds to revision 2.10 of the 8 Axis SERCOS interface Module. To use this firmware version, update your system as follows:

Update this software or firmware	Catalog Number:	Firmware/Software Revision
Logix5550 Controller	1756-L1, -L1Mx	9.13 or greater
Logix5553 Controller	1756-L53	9.13 or greater
Logix5555 Controller	1756-L55Mx	9.14 or greater
RSLogix 5000 Software		9.0 or greater

Enhancements

This revision includes the following enhancements:

- Added IDN 380 (Bus voltage) support.
- Added support for Ultra-3000 drives.

Corrections

This revision includes the following corrections:

- Removed the restriction where the selected Drive Axis Module must match the actual hardware. If the selected Drive Axis Module does not match the actual hardware, the configuration fails.
- Added check to make sure that a maximum of 4 axes at 1mSec ring rate and a maximum of 8 axes at 2mSec ringrate are allowed. Configuration is erred if this condition is violated.
- Fixed issue where the SERCOS network would get stuck in CP2 under certain error conditions.
- Changed Ring Signal distortion error handling. Ring Signal distortion causes the ring to go to CP0 after 99 distortion events are detected. The distortion error count is reset at the start of CP0.
- A Problem with motion instructions not working as expected when ladder programs were downloaded has been resolved.

- Fixed problems during configuration that caused the Logix controller to require several reconnects before proceeding with download.
- Fixed error situations where three red status LEDs display and cause a module fatal error.
- Program with proper coarse update rate settings generating a sync fault immediately after download due to CST synchronization error has been resolved.
- Fixed Feedback Only Axis support.

Restrictions

This revision contains the following restrictions:

- SERCOS interface modules designated “Series B” or higher on the product label are not compatible with any v1.xx firmware release and therefore do not support ControlLogix v.5.02. If you update a module with incompatible firmware, the module becomes inoperable (solid red OK LED). It must be returned to the factory for reprogramming.
- Each drive on the SERCOS ring must have a unique SERCOS address. If two axes have the same address on the same ring, both respond to commanded motion. This could lead to damage to the equipment or product and could result in personal injury.

For more information refer to our web site: www.ab.com/motion

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