Ultra3000 with SERCOS V15 Firmware Release v1.53

Catalog Numbers

Ultra3000 Digital Servo Drives	
Ultra3000-SE (230V)	**Ultra3000-SE (460V)**
2098-DSD-005-SE	2098-DSD-HV030-SE
2098-DSD-010-SE	2098-DSD-HV050-SE
2098-DSD-020-SE	2098-DSD-HV100-SE
2098-DSD-030-SE	2098-DSD-HV150-SE
2098-DSD-075-SE	2098-DSD-HV220-SE
2098-DSD-150-SE	

Enhancements with Firmware Revision 1.53

There are no enhancements in this version of firmware.

Corrected Anomalies

These corrections apply to firmware revision 1.53 or later:

- The SKS and SKM encoder support was corrected to maintain absolute position through a power cycle after a move sequence of several thousand revolutions in the same direction.

Refer to these publications for previous firmware corrections:

Firmware Version	Publication
v1.52	2098-RN018A-EN-P
v1.51	2098-RN017A-EN-P

Restrictions

These restrictions apply when using RSLogix 5000 with a ControlLogix (1756-MxxSE) or SoftLogix (1784-PM16SE) servo module, and the Ultra3000-SE drive.

- Windowed Registration is not supported. If Windowed Registration is enabled in the MAR instruction, the instruction will not complete.
- Friction Torque Compensation and Backlash Compensation is not supported. Adjusting the value in the Offset tab of the Manual Tune screen will have no effect. Future versions of the firmware may support this parameter, so the setting should be left at the default value of 0.0%.
- Velocity Droop is not supported. Adjusting the value in the Custom Gain Attributes screen will have no effect.
- The following Real Time Axis Information attributes, accessible in the Drive tab of the Axis Properties screen, are not supported:

Position Int. Error	Accel. Command	Bus Regulator Capacity
Velocity Int. Error	Accel. Feedback	Power Capacity

- When using a Dual Loop Configuration, the resolution units setting (Rev, Inch, Millimeter) on the Motor Feedback and Aux Feedback tabs of the Axis Properties dialog must be the same.
- After an SSV of a drive parameter, wait at least 3 ms after the ConfigUpdateComplete bit is set before acting on the result of the setting.

Additional Resources

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
Ultra3000 Digital Servo Drives Installation Manual, publication 2098-IN003	Installation and setup procedures for the integration of the Ultra3000 and standard Rockwell Automation/Allen-Bradley motors recommended for use with the Ultra3000.
Ultra3000 Servo Drives Integration Manual, publication 2098-IN005	Detailed power-up procedures, system integration, and troubleshooting tables for the Ultra3000 that assist you in the integration of your Ultra3000 servo drive as a standalone drive by using Ultraware software or with a Logix controller using RSLogix 5000 software.

You can view or download publications at http://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 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 (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 the return procedure.