

# XML File and Firmware Updates

## Version Information

Version #	Update Information	XML
V1.3.5	<p>Revision #: 0x20020103 (No XML update. Revision number is not changed)</p> <p>1. Bug Fixes</p> <p>a. Statusword error bit not asserted on 0x7510 error The statusword error bit was only not asserted if there was a communication problem to the drive on power up.</p> <p>Changes</p> <p>i. Clearing the fault on a power up fault will reset the MCU in an attempt to initiate communication. If the fault reset bit remains active and the fault occurs again a reset will occur again. This process will repeat itself.</p> <p>ii. Clearing the fault if it occurs during regular runtime will not reset the MCU. Alternate methods are attempted in this case that do not require a reset.</p> <p>b. Motion not occurring in CSV, CSP or Profile Velocity though the drive indicates it is.</p> <p>Changes</p> <p>i. EtherCAT slave switches modes and has additional checks before sending data to the drive</p>	<p><a href="#">Myostat_CM1-E (V1.3.0)_MDP.xml</a></p> <p><a href="#">Myostat_CM1-E (V1.3.0)_FLAT.xml</a></p>
V1.3.4	<p>Revision #: 0x20020103 (No XML update. Revision number is not changed)</p> <p>1. Feature updates</p> <p>a. Object 0x2201 added. Object is 4 volatile 32 bit registers that can be used as variables. Variable 1 BIT15 and BIT14 are mapped to the Statusword (0x6041). This allows the bits to be used as flags. For example a homing complete flag.</p>	<p><a href="#">Myostat_CM1-E (V1.3.0).xml</a></p>
V1.3.3	<p>Revision #: 0x20020103 (No XML update. Revision number is not changed)</p> <p>1. Feature updates</p> <p>a. Target velocity in CSV mode is now in count/s. Previously it was counts/ms</p> <p>b. Velocity Actual Value is now in counts/s. Previously was in counts/ms</p>	<p><a href="#">Myostat_CM1-E (V1.3.0).xml</a></p>
V1.3.2	<p>Revision #: 0x20020103 (No XML update. Revision number is not changed)</p> <p>1. Feature updates</p> <p>a. PDO communication rate now includes multiple periods.</p> <p>i. Specifically 200us, 250us, 500us and 1ms.</p> <p>ii. No setting is required on the slave/drive which autodetects the rate.</p> <p>2. Bug fixes</p> <p>a. OUT LED indicator fixed.</p>	<p><a href="#">Myostat_CM1-E (V1.3.0).xml</a></p>
V1.3.0	<p>Revision #: 0x20020103</p> <p>1. Feature Updates</p> <p>a. SM and PDI watchdog implemented. The motor will disable if a watchdog timeout is encountered</p> <p>b. <i>Mode of Operation</i> and <i>Mode of Operation Display</i> have been added to the Profile Mode RxPDO and TxPDO respectively.</p> <p>c. Statusword BIT12 is implemented for CSV and CSP mode. BIT12 indicates if the drive is following the commanded position.</p> <p>d. EEPROM data is included in the update and will load automatically.</p> <p>e. Revision # is updated with each release. The matching XML is required. This allows for multiple version on the same network.</p> <p>2. Bug fixes</p> <p>a. Halt bit on Homing Mode would not halt the motor when switching modes at the same time.</p> <p>b. Speed for HM and PP mode is now correctly returned. It was 1/4 of the actual value.</p> <p>3. General improvements on task handling and timing.</p>	<p><a href="#">Myostat_CM1-E (V1.3.0).xml</a></p>
V1.2.0	<p>1. Feature Updates</p> <p>a. F/W update through FoE in Bootstrap.</p> <p>b. Object 0xFF01 - Status LED override</p> <p>2. Bug Fixes</p> <p>a. SDO objects now available in all ESM states. In previous versions the entire dictionary was not available until the slave had transitioned into OP at least one.</p>	<p>Please contact support</p>

V1.1.3	<ol style="list-style-type: none"> <li>1. Added support for Explicit Device ID</li> <li>2. Improved SDO data transfer</li> </ol>	
V1.1.2	<ol style="list-style-type: none"> <li>1. Improved USB communication for <ol style="list-style-type: none"> <li>a. Changing H gain parameters</li> <li>b. Running the motor in CML mode</li> <li>c. Updating firmware</li> </ol> </li> </ol>	

For information on how to update the CM1-E firmware please contact Myostat support

- [Support Portal](#)
- [support@myostat.ca](mailto:support@myostat.ca)
- +1 905 836-4441