MotionController v1.12.629

- **Release date: 20-12-2017**

Compatibility:

- **MotionManager**: 1.12.9.MM
- **Actuator identity file:**
  - AIF_02_CH1000S.AID for CyberHoist, 1000kg
  - AIF_03_CH0500S.AID for CyberHoist II, 500kg
  - AIF_04_CH2000D.AID for CyberHoist, 2000kg
  - AIF_20_CT2000X.AID for CyberTrolley, 2000kg
  - AIF_40_CW0250S.AID for CyberWinch, 250kg, single-wire
  - AIF_41_CW0250D.AID for CyberWinch, 250kg, double-wire
- **Drive firmware files:** Upgrade_FL_scib.DR1 and TMS_No1.DR2

ENHANCEMENTS & NEW FEATURES

Ref#	Description
864	**[CM-360] the application can't handle a 930 error** Use 'Set target Position' to apply 3d model position
899	**[CM-395] Implement Object Direct Control - Motion Controller part**
928	**[CM-424] go to normal mode after object direct control**
1156	**[CM-658] Loadcell flow for 2 loadcells** Motion Controller is able to handle 2 load cells with 2 sensors each. The self-weight of a hoist is subtracted automatically.
1270	**[CM-779] Winch limitswitches** Winches received new position limit switches

1347	**[CM-856] Auto-detect if CyberHoist II is self-climbing or not**
1407	**[CM-917] Strip coreData for Setup and Show**
1454	**[CM-965] Error 941 cannot be released** True. The issue requires new model and object settings.
1455	**[CM-966] Error 930** Use 'Set target Position' to apply 3d model position
1467	**[CM-978] Keep MCError log clean**
1475	**[CM-986] Usage of K5 serialNrMotioncontroller, K6 serialNrInitialMotioncontroller unclear** Changed to individual serial numbers and names
1477	**[CM-988] CyberHoist II (CH0500S), self-climbing**
1478	**[CM-989] Integrate new Actuator Types CH1000S, CH2000D**
1525	**[CM-1036] Cleanup for AIF, p-list, EEPROM Data**
1526	**[CM-1037] DOC with Trolley exceeds Speed** Fixed
1532	**[CM-1043] Major.Minor Number for Version**
1533	**[CM-1044] Release of Safe Direction**
1539	**[CM-1050] E491 caused by Power Distro** Drive STO cannot be cleared. A missing phase could be the cause. Check voltage on power supply. Defective drive, motion controller or interconnection. Repair.
1546	**[CM-1057] E804 drive is missing an incoming phase** The drive is missing an incoming phase. Check mains / incoming power / repair. (Drive error code: 17)

1555	**[CM-1066] Cleanup for AIF, p-list, EEPROM Data**
1549	**[CM-1060] E839 (W phase over current)** Current of incoming phase L3 is too high. Check mains voltage (>190 V AC), load and duty cycle. (Drive error code: 84)
1561	**[CM-1072] Use 925/926 to synchronize all class 1/2/3 stops** Objects will stop synchronously in case one or several actuators have an error.
1562	**[CM-1073] New Actuator Types CH1000S, CH2000D**
1563	**[CM-1074] Cleanup Communication Protocols**
1564	**[CM-1075] Cleanup Communication Protocols**
1567	**[CM-1078] Actuator Position Limits exceeded**
1569	**[CM-1080] How to determine startTorqueMultiplier?** The factor has been re-fitted to all CyberHoist II and CyberTrolley. This results in a smoother start of motion.
1575	**[CM-1086] When maintenance mode ends, drive parameters are reset**
1584	**Processing MaintenanceControls 0x4000**
1603	**Equal angular speed for different objects in Direct Object Control** Not applicable
1639	**When maintenance mode starts, drive params are reset** Works correct
1641	**Joystick overrule and error 928**
1642	**CH0500S is very noisy at low load, speed** CyberHoist II, 500kg received new values for velocity and position control loops.
1651	**Review margins on errors 930 and 938**

CYBERMOTION I Rutherfordweg 101-103 I 3542 CN Utrecht I The Netherlands I **Phone** +31 30 247 9999 I **E** info@cyber-motion.com I **www**.cyber-motion.com
VAT NL851129468B01 I **Chamber of Commerce** Utrecht 540 391 77 I **Bank** ABN-AMRO I **Account** 48.46.06.026 I **IBAN** NL72ABNA0484606026 I **BIC** ABNANL2A

1662	**Update object DC interval (prevent E496)**
1689	**E941 during Object Control**

BUGFIXES

Bug#	Description
1248	**[CM-757] ADC readout frozen** The A/D converters for load cells produces no read errors.
1313	**[CM-822] Progress Pop-up while Updating Drive Firmware has wrong Text** Fixed
1585	**Unable to update p-lists for winches** Fixed
1600	**Handling of Errors in Objects under direct Object Control**
1492	**[CM-1003] Actuator Serial No. gets lost** Fixed
1509	**[CM-1020] Appearance of error 927 (object direct control)** Uses different margins now and shall appear less often.
1571	**[CM-1082] E608 does not use margin** Following errors in control loop may lead to such errors. The check is on target values, not current values

KNOWN BUGS & LIMITATIONS

Bug#	Description
497	**Drive com error** When powering up a actuator for the fist time may cause in a Drive com error. Unplugging the power for no longer then 2 seconds fixes this issue.

Notes: n/a