SMI Release Notes: SMI_3_0_0_81

Moog Animatics SMI Update Revision History Changes

SMI 3_0_0_81, release 8/7/24
• Added support for new 6.8 firmware
• Added support for EIRI(x) command. (Requires 6.x.2.69 > firmware)
• General bug fixes

SMI 3_0_0_80, release 4/9/24
• Added support for hex numbers using the format 0x for Class 6D and M. (Requires 6.x.2.63 > firmware)
• Fixed broken links to the website help files and Check for Updates
• Added STO support for class 6D. (Requires 6.4.2.67 > firmware)
• Added the stand alone download utility and the command line download utility to the install
• Added new command RSYS to the language files for Class 6D and M. (Requires 6.x.2.66 > firmware)
• Updated the Motor View diagnostic tool with Combitronic command timeout, Cobitronic group faul and STO
• Added homing configuration tool
• Added Stations alias and IP Address to the SD Card configuration tool
• Updated Motor View EtherCAT status and control word display to a list
• Added support for IXXAT USB-CAN
• Added an option on the scanner page to update the default compile version based on the last motor detected
• Added an option to clear the terminal window after a program download.
• General bug fixes

SMI 3_0_0_77, release 6/7/23
• Updated the SmartSizer tool to fix bug when displaying motors that will meet the torque requirements
• Added RBu, Bu, and Zu to the class 4 to 5 conversion tool
• Updated Linux example
• Added the file size to the information view when building a .smx file
• Added the ability to update the IP Address settings through the MotorView network tab
• Made error/status display tool modeless
• Added the ability to import motor for the error/status tool
• Added HM_DSTL, HM_FLT, HM_POST and HM_TIML to the class 6 M and D language files
• Updated class 4 to 5 conversion tool to scale some commands
• General bug fixes

SMI 3_0_0_73, release 6/23/22
• Automatically added a #define based on firmware version. Example #ifdef CLASS_VER_5_0
• Made combitronic group fault tool modeless
• Added low and high bus voltage message to diagnostic display even when there is no bus voltage fault
• Removed open web page pop-up for class 6 motors
• Added a popup menu for USB addressing method. Serial Number, ADDR, Ethernet Address, CADDR, or IDENT

- Hardcoded the Max address to 254 for USB and Ethernet motors
- Updated the address for Ethernet motors to be the last octet of the IP Address
- General bug fixes

SMI 3_0_0_60, release 12/16/20
- Updated IntegMotorInterface to allow downloading .smxe files
- Updated terminal window, now double click sends entire line
- Added automatic port refresh when using find motors or lockup wizard
- Added refresh ports button on lockup wizard screen
- Added CANopen master configuration tool
- Added scaling to cam import tool
- Added an error/status decoder to the tools menu
- Added read/write SDO for CAN open channel in configuration tree
- Added Linux and Python examples to install files
- General bug fixes

SMI 3_0_0_45, release 05/21/19
- Added automatic detection of KVaser CAN ports

SMI 3_0_0_43, release 04/24/19
- Added ability to display responses to terminal commands as hexadecimal

SMI 3_0_0_42 release, 04/11/19
- Added floats for class 5 and 6 to motor view window in user variable tab
- General bug fixes

SMI 3_0_0_40 release, 03/15/19
- Added CSharp SMIEngine example
- Added display for industrial ethernet errors in motor view window and network tab
- Added display of actual time between samples in chart view
- Added option for more accurate timer in chart view
- Updated motor view window and network tab to show better industrial ethernet protocol info
- Updated DHCP server tool
- Updated LabView example
- General bug fixes

SMI 3_0_0_36 release, 10/10/18
- General bug fixes

SMI 3_0_0_34 release, 08/21/18
- Updated IntegMotorCANComm.dll to version 1.0.0.13 to fix class 6 motors object 0x2200 removal
- Playground will set correct default torque when switching between motors

SMI 3_0_0_33 release, 08/01/18
- General bug fixes

SMI 3_0_0_32 release, 07/20/18

• General bug fixes

SMI_3_0_0_31 release, 07/17/18
• Added Casella DS2020 drive
• Added ability to refresh detected port configuration
• Added calculation to main menu under tools, not tied to motor
• Updated Trace feature to display trace marker better
• Added check for Ethernet Adapter type when displaying list of adapters
• Ethernet motors arranged by IP address
• Added ability to use COM port higher than 30 if detected
• General bug fixes

SMI_3_0_0_29 release, 12/07/2017
• Made Macros Dialog modeless.
• Added ability to load and save macros.
• Added the Developer's Guide to the shortcuts.
• Added ability to use the bit mask field when using the chart view.
• Added floating point number handling to chart view.

SMI_3_0_0_28 release, 07/27/2017
• Added Check for Updates.
• Added DHCP server.
• Added an advanced option for showing communication ports with modem in their name.
• Added a check to prevent Combitronic commands inside parenthesis.
• Added SYSCTL, NMT, SDORD, EOFT, PRINT2 and SDOWR to the class 6 language file.

SMI_3_0_0_20 release, 12/13/2017
• Added ability to paste a directory path when creating a new project.
• Added support for class 5 and 6 motors using variables in second argument for VST and VLD commands.
• Added an entry for encoder resolution for the playground if a valid value is not read from the motor.
• Added separate tile vertically and horizontal.
• Lockup Wizard always enabled.

SMI_3_0_0_19 release, 05/17/2016
• Updated to IntegMotorInterface.dll 2.2.3.3
• Added ability to download adb file for class 6 motors with bad adb block.
• Changed type for channel index in Playground.

SMI_3_0_0_18 release, 03/28/2016
• Changed timeout when opening TCP connection.
• Added error messages for class 6.
• Updated to correct LEDs for LC17.

SMI_3_0_0_17 release, 02/16/2016

• Added 5.1 language file with new s-curve commands.
• Added ability to tune over CAN (class 6).
• Changed tuning program for class 6 USB
• Added disabled icons for LEDs on LC series motors. Grey with black x.
• Allowed floats for VLD and VST
• Added color coding for SADDR#
• Added new CAN master command NMT SDORD SDOWR and new CAN status word.
• Added echo check for class 6 when getting program info through serial.
• Added version checking when downloading .hez file
• Updated IntegMotorInterface.dll to add notifications 2.2.3.2.
• Updated IntegMotorCANComm.dll to add notifications 1.0.0.11.
• Updated establishing serial daisy chain.
• Updated IntegMotorCANComm.dll to add notifications 1.0.0.10.

SMI_3_0_0_16 BETA release, 10/30/2015

• Completely NEW editor
• New Industrial Ethernet, Ethernet/IP, EtherCAT, and PROFINET Support features.
• Updated SMIEngine with new help and 64 bit version.
• Ability to encrypt program and prevent upload from motor.
• All features of SMI except tuning supported through CANOpen.
• Undo and Redo functions
• Line number display
• Integrated help file for Class 5 and 6 Smartmotor, as well as legacy Class 4 motors
• Integrated links to Developers guide and other resources
• Ability to bulk tab code

Each download of SMI comes with our full software suite including…
• Smartmotor Playground – Easily begin motion and debugging without code
• Smartsizer – Find the right Smartmotor for the job
• Motor View – View all motor status
• Chart View – plot data in real time
• SMIEngine for creating custom application-specific interfaces