



Release Notes for MotionWorksIEC Express and MotionWorksIEC Pro

Release 1.1.3 Build 9

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Yaskawa Electric America, Inc.

1. New Features

The following new features have been added to this version of MotionWorks IEC.

- Performance
 - 1405 – Improve load time (Reading parts from database)
- Drive pns read all at once
 - 768 – Read and Write All Drive Parameters at Once
- All Pns tab
 - 316 - Reset Axis Pns to Factory Defaults
 - 1333 - Expose all Sigma Pns that the user may need to set
 - 1377 - Display Pn 140 on IDM
 - 1423 - Add controller parameters to the AllPns Tab
- Controller utilities (don't need to use web browser for common functions)
 - 818 – Implement Controller Utilities
 - 1404 - Add button to CT to reset the ABS encoder, servo net reset as well?
- 1.5kw Single Phase Sigma V and Single Phase Sigma II Amps are now supported
 - 1391 - Support 1.5kw single phase Sigma V Amplifiers
 - 897 - Add support for large sigma II single phase amp
- Configuration support for Controller VFF and ACCFIL
 - 1403 - Support for configurable controller side Mlink VFF, configurable ACCFIL
 - Refer to parameters 1310 and 1311 in the PLCopen Function Block Manual
- The MP2310 is now supported
 - Projects developed for the MP2300Siec can be modified to run on the MP2310iec.

- New Sigma V I/O Variables
1461 - Added HBB and BRK to SigmaV variables list in the Global Variable Group
- Modbus server configuration supports a block of writeable holding registers..
1411 - Add ability to configure Modbus Retain for inputs
- Improved Project Comparison
1355 – Initial Project Compare should also compare drivepn.xml files
1429 - Need to delete startup dir on controller before using disco
1493 - Save dialog is misleading, add more detail to reason for unsupported firmware

2. Known Issues

The following are known issues that may be encountered when configuring hardware on the MP2300Siec in MotionWorksIEC

- 218IF-Y1
Issue: (475) This module is not supported at this time.
- User Interface
Issue: (223) Scrolling may be required at some resolutions.
Issue: (786) When rebooting controller connection lost dialog is displayed. MW IEC does not automatically reconnect to controller.
Workaround: Close this message box and reconnect to the controller.
- IP address
Issue: (927) The “connect to” IP address is not saved with the project.
Workaround: Enter the IP address in the resource settings dialog and save in MWIDE.
- 1.0.4.5 Firmware
Issue: It is not possible to create a new project that supports 1.0.4.5 firmware. Editing an existing project with 1.0.4.5 firmware does work.
Workaround: If a new project absolutely must support 1.0.4.5 firmware. The configurations files can be manually edited for this purpose, please contact technical support. However, it is strongly recommended that the controller be upgraded to firmware version 1.0.7.4 or higher for new projects.

3. Limitations

Unsupported MotionWorksIEC Pro Features

Event tasks are not supported by the controller firmware.

Unsupported Modules

JAPMC-PL2300-E Counter Module

JAPMC-PL2310-E Pulse Output Module

Unsupported M-Link Devices



SGDH & NS115 with Linear Motor

JEPMC-PL2900 Counter Device

JEPMC-PL2910 Pulse Output Device

JEPMC-AN2900 Analog Input Device

JEPMC-AN2910 Analog Output Device

EtherNet/IP Limitations

Maximum of 20 devices supported

Modbus Limitations

Maximum of 20 devices supported

Locales

The only supported Locale is en-US.