Engineering & Application Note

Issue Date: August '09

Subject: *i³* Config v8.80 ReadMe

Relevant Products: *i³* Config v8.80

Article Description

'*i³* Config' v8.80 replaces v8.70 as the latest configuration software for the *i³*. All existing users are recommended to upgrade to the new software, all new users should install it from the outset. The new features of this version are listed below.

Article Details

New Features in v8.80

- The software now fully supports the new *i³*C 5.7" Colour Touch model. This is available in a basic version and an advanced embedded Ethernet version, This has on board Ethernet, with functionality including Webserver, FTP and Ethernet protocols.

- The *i³*, *iCAN* enabled units have an alternative firmware which supports *CANopen* connectivity (Controller Area Network). This will enable the use of *CANopen* remote I/O and communication with third party devices which support the protocol. **The latest install includes v12.50 of firmware for all platforms so please upgrade!**

- The *i³* Configurator software has additional function blocks in the 'Comm Operations' toolbar which allow communication with devices supporting *CANopen*.

- Units with on board *CAN* now have the option of running J1939 protocol instead of *iCAN*. This is available on request.

- A second version of *i³* Configurator contains a library of symbols which enhances the functionality of the *i³*C unit. The library contains hundreds of symbols and industry related images, making it really easy to create professional looking graphics screens. This version is available on request from IMO.

- New protocols added: Control Techniques Drives, Mitsubishi Melsec A, Siemens USS Drives Protocol, Modbus TCP/IP Master (*i³*C embedded Ethernet models only).

- A new Profibus comms module is available on request, however won't be available as a standard IMO stocked unit.

- The *i³* Configurator software now has built in USB support without going through Control Panel and assigning a com port number. This is used for the *i³C* models and any model via an IMO USB-Serial convertor (PC501).

- Additional baud rates have been added to the 'open port' function block (14400, 28800 and 10400).

- ASCII character fields can now be added to SMS messages, allowing fully configurable messages at run time.

- New 'key press' simulation function block, allowing an input to activate a function key. Useful if unit is locked inside a cabinet, external buttons or switches can trigger key presses.

- Menu object, menu item enable/disable feature has been added.

- Graphics Editor now supports up to 24 language options in configuration.

- 'Clone Unit' feature added to menu on the *i³*. Backs up the current program to the MicroSD ready for activation of the 'fail safe' feature.

Fixes in v8.80

- Previously the integer scaling function block only allowed the output to change in steps of '4'. The algorithm has been improved to correct this.

- In ladder editing the over zealous reporting of 'Incorrectly Terminated Branch' has been removed.

- The warning message 'Downloading I/O configuration over Ethernet can cause loss of communications' message has been re-instated.

- The new 'Project Manager' tree is contained within a dockable toolbar. If this is closed when no programs are open then it is now possible to get it back, from the 'view' menu.

- A large project no longer causes the software to crash when entering the 'element usage' screen.

- With multiple programs, after going into debug with them all similtaniously, the project navigator now reopens after debug is closed.

- *i³* Config no longer loses focus following the appearance of warning messages, such as a communication timeout.

- The 'export to removable media' feature in *i³* Config does now exports GPRS configuration correctly, along with all of the new features released in v8.70.