

Firmware Revision Info:

RIO-47xxx Remote I/O Controller

New features for Rev 1.0e May 27, 2011:

- II command modified to allow input interrupt to be disabled
- Added error if DH1 is set and a user attempts to set IA
 - TC1 returns 163 IA command not valid when DHCP mode enabled)
- Added -QUAD, -BISS, and -SSI support to standard SER firmware.
 - SE, WE, QE, SY, #SERERR added
- Added MH command for Modbus Heartbeat
- Added #MODERR to handle modbus communication timeout
- MV command expanded to un-flip arrays (MV-1)

New features for Rev 1.0d May 19, 2010:

- RT,RY,RO added for Realtime Clock support
- IH modified to support TIME protocol synch
 - The RIO-471x2 can synchronize its internal time via the TIME protocol:
http://en.wikipedia.org/wiki/TIME_protocol
- ME added for Modbus Array read/write access
 - Modbus masters now have the entire RIO array table to read/write in integer or float
- MB updated to allow Raw Modbus packet receive (MBh=-1....)
 - Raw feature is now bi-directional
- PM,FQ,DY Added for PWM
 - Outputs 14 and 15 now support 8 bit programmable PWM. -PWM hardware rework necessary for high frequency
- II updated for OR capability
 - "Any" input pattern true is now supported.
- DB enhanced for PID flow control
 - Flow control keeps the DAC the same when the deadband is entered, instead of zeroing it

New feature for Rev 1.0c Feb 6, 2009 :

- RIO-47xx2 support added

New features for Rev 1.0b August 25, 2008 :

- MI command added to set modbus analog register transactions as integer
- MV command added to reverse modbus functions 3 and 4
- Modbus function code 15 slave support added

New feature for Rev 1.0a May 20, 2008 :

- Rev 1.0a firmware released