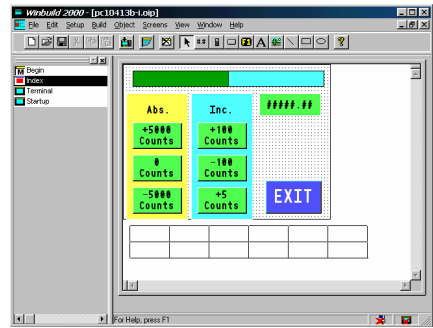




Guide to Eason 2000 Family & Trio Motion Coordinator

Communicating to Trio Motion products via RS422 (RS485) Modbus RTU



Rev 1.1
P/N: 50-00XXX-01

Hardware Setup:

Model 2300 or 2500: Use COM2 RS485 port

Model 2550 or 2750: Use COM1 or COM2 RS485 port

EASON	TRIO
RX - _____	RX - (WHITE)
RX + _____	RX + (PURPLE)
TX - _____	TX - (YELLOW)
TX + _____	TX + (ORANGE)

Software Drivers

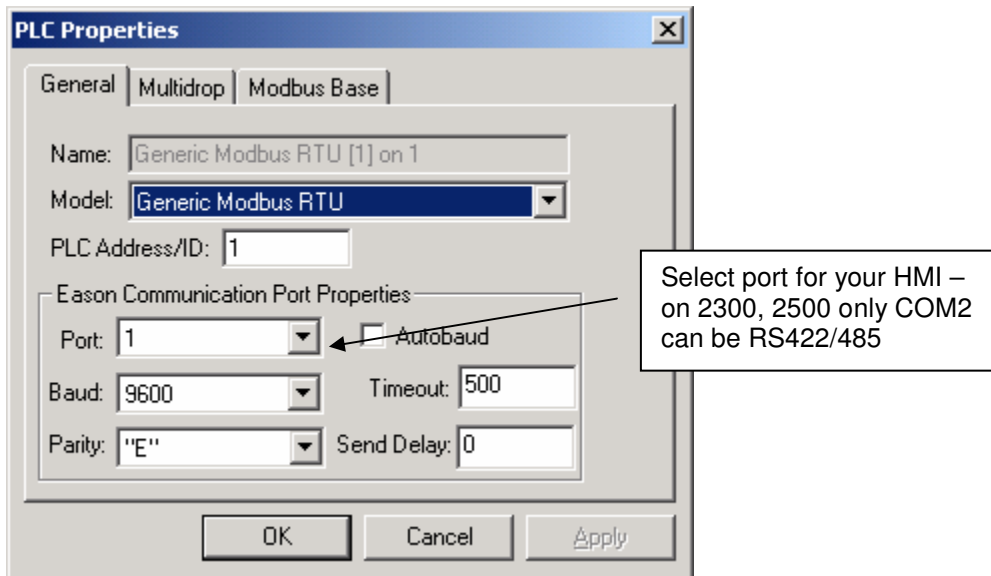
TRIO

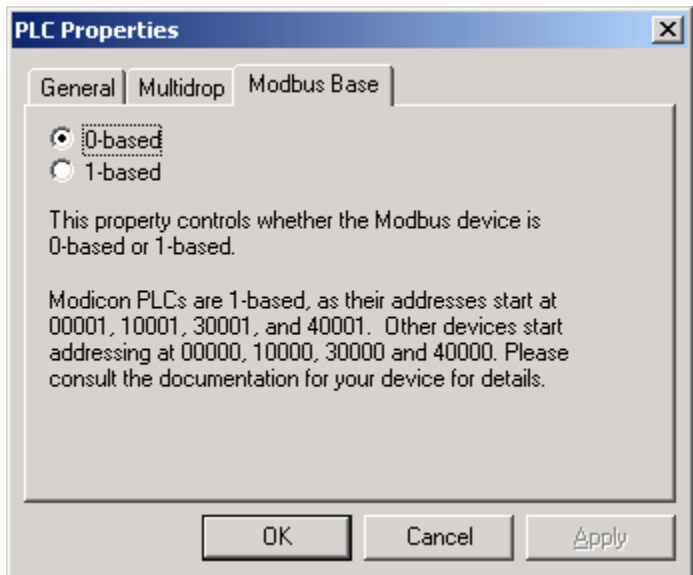
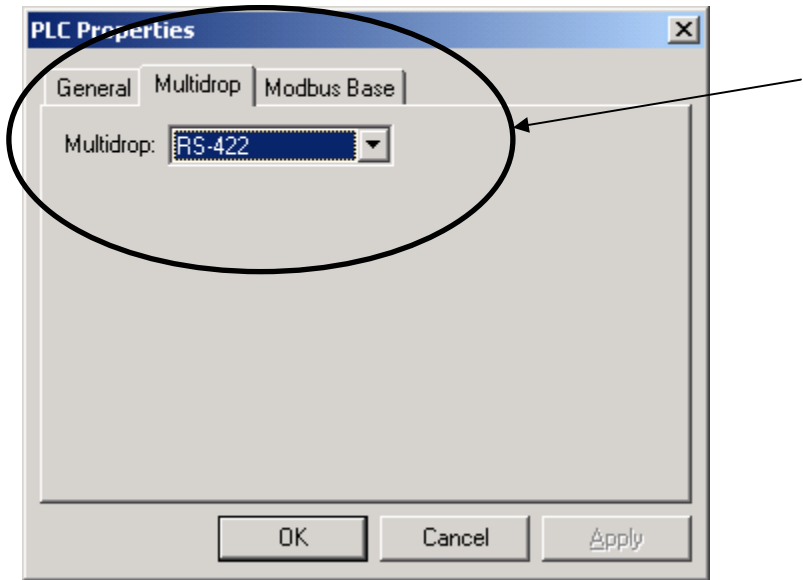
The Modbus RTU driver settings in Winbuild 2000 should match the port settings in your Trio. Use their ADDRESS command and SETCOM command in your project:

```
ADDRESS=1  
SETCOM(9600, 8, 1, 2, 2, 4)
```

EASON

In Winbuild 2000 software, click on SETUP ► PROJECT ► DRIVERS





Once the driver is added, you can set up the driver to monitor data/variables in your Trio motion coordinator. For instance, if you want to monitor the variable “VR(1)” in the controller, just configure a tag as the following:

1	VR0	Generic Modbus RTU [1] on 1	40000	Word	0
2	VR1	Generic Modbus RTU [1] on 1	40001	Word	0
3	VR2	Generic Modbus RTU [1] on 1	40002	Word	0

The *Tag Name* is the Eason variable name you will refer to whenever using this value in the Eason. *Source* is the Modbus RTU driver. The *Address* column you enter the Modbus register you wish to read/write to. If you enter in an invalid value for the address, a prompt will appear telling you what a valid entry is for your driver. See “Supported Data Types” in the help system to learn more about this.

If a data display with your Eason tag is used on the screen, the Eason will poll the Trio as often as it can to obtain a current value to be displayed on screen. (Often once every screen refresh ~ 20ms)

Conversely, if you enter a new value for a tag, the driver will send that tag back to the Trio.

TRIO DEMO PROGRAM

This program goes into the Trio, a simple program that set ups the port, and maps over a couple of variables so you can watch them and test read/writing.

```
ADDRESS=1
SETCOM(9600,8,1,2,1,4)
VR(0)=0
VR(1)=1
VR(2)=2
VR(3)=3
VR(100)=100

WHILE TRU
  VR(10)=VR(0)
  VR(11)=VR(1)
  VR(12)=VR(2)
  VR(13)=VR(3)
WEND
```