



Application Note #5473

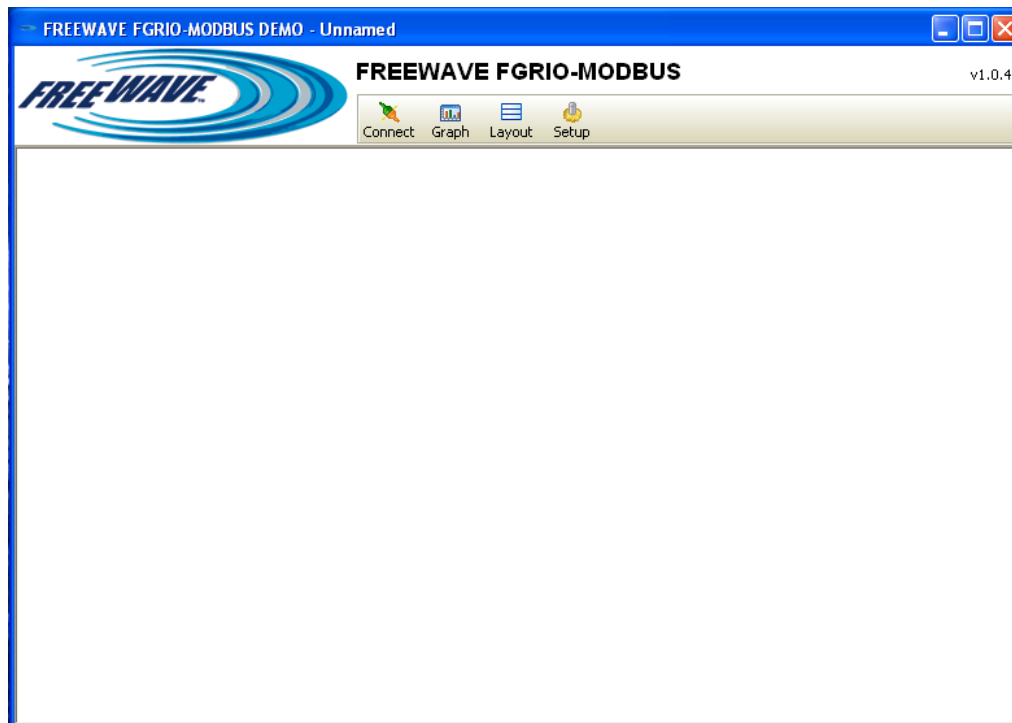
Setup of FreeWave Modbus Demo

March 27, 2008

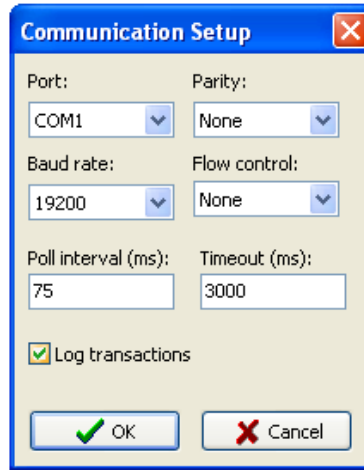
Setup of FreeWave ModBus Demo

Communications:

Open the FreeWave Modbus Demo Program.



Click on the setup Icon to access the com port settings.



Communication Setup

Port: COM1 Parity: None

Baud rate: 19200 Flow control: None

Poll interval (ms): 75 Timeout (ms): 3000

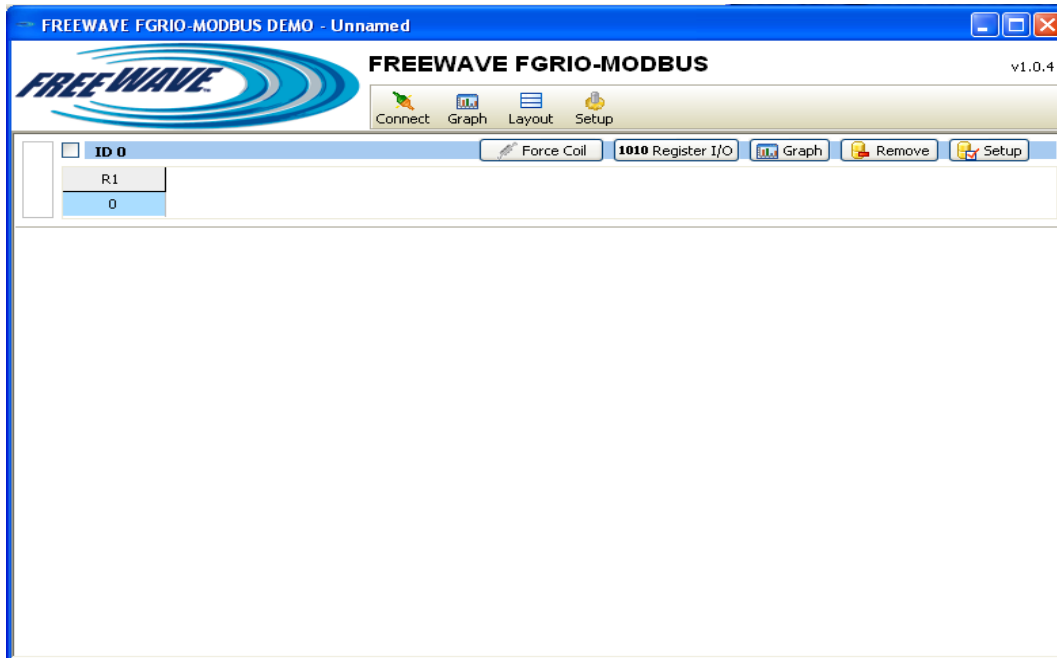
☒ Log transactions

OK Cancel

Select your proper Com port, and baud rate.
Click "Okay".

Layout:

Add one section by choosing "Layout" and "Add Section".



FREEWAVE FGRIQ-MODBUS DEMO - Unnamed

FREEWAVE FGRIQ-MODBUS v1.0.4

Connect Graph Layout Setup

Force Coil 1010 Register I/O Graph Remove Setup

ID 0

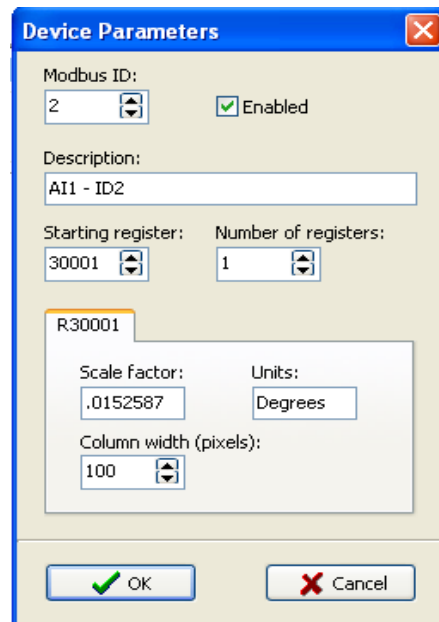
R1

0

Section Setup:

Click on "setup".

Select Appropriate ModBus ID for radio
Enable the ID to be polled
Label the Section
Select Register (AI1 is register 30001)
Enter Scale Factor
Enter Units Label
Click "OK"



The image shows a 'Device Parameters' dialog box with the following fields and controls:

- Modbus ID:** A numeric input field containing '2' and a spin button. To its right is a checked checkbox labeled 'Enabled'.
- Description:** A text input field containing 'AI1 - ID2'.
- Starting register:** A numeric input field containing '30001' and a spin button.
- Number of registers:** A numeric input field containing '1' and a spin button.
- R30001:** A tabbed section containing:
 - Scale factor:** A numeric input field containing '.0152587'.
 - Units:** A text input field containing 'Degrees'.
 - Column width (pixels):** A numeric input field containing '100' and a spin button.
- Buttons:** At the bottom are 'OK' (with a green checkmark icon) and 'Cancel' (with a red X icon) buttons.

Forcing a Coil:
Click "Force Coil"
Select Coil to force
Click "ON" or "OFF"
DO1 is Coil 1 and DO2 is Coil 2