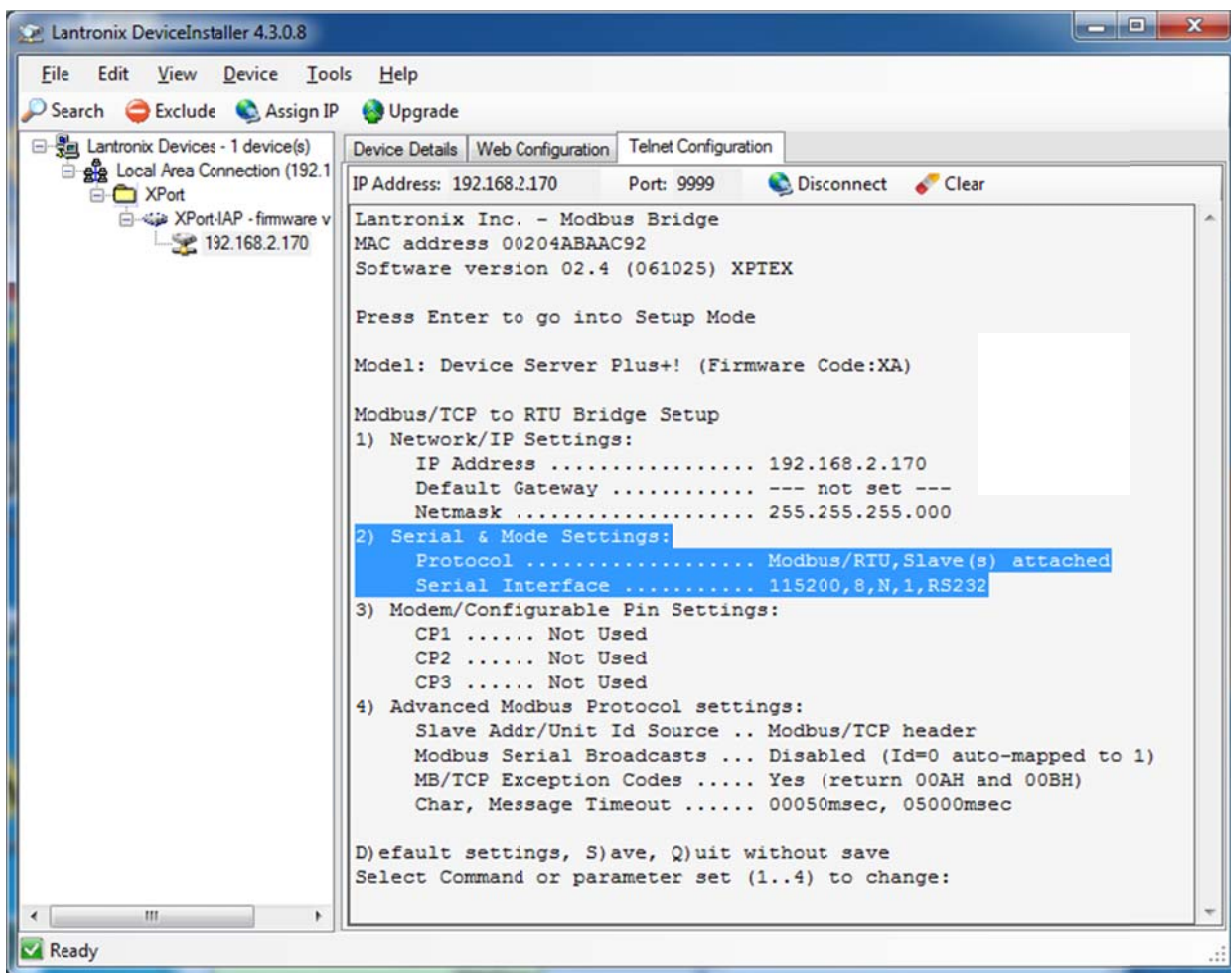




## Application note for DL6000MEDH+ in MODBUS slave mode.

Start the Lantronix device Installer and telnet to the DL6000.

Make sure your telnet option settings are exact as highlighted shown below.



Reset the unit either by pressing the reset button or power on and off.

Start EQ32 configuration to configure the DL6000

From the screen below select DL6000.





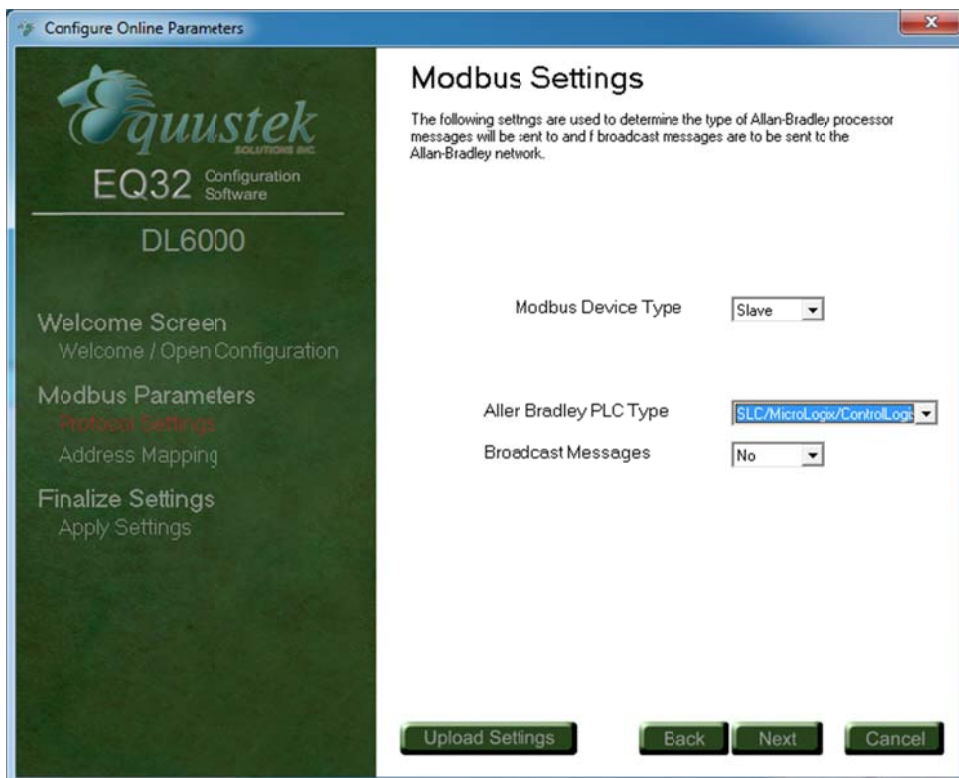
Select the serial port and click on Configure.



Click on Next.



Select Modbus Device, and Allen Bradley device type, since we are trying to communicate with both PLC5 and SLC at the same time, we select the option shown below and click on next.





In Slot 1 is set to read file N7 starting at word 0 and read 10 words

Slot 2 is set to read file F8 starting at word 0 and to read 10 words

Slot3 is set to read file B4 starting at word 0 and to read 1 word = 16bits

Slot	Modbus Start Address	Modbus End Address	Allan-Bradley Data File		Floating Point
			File	Word	
1	4001	40010	7	0	<input type="checkbox"/>
2	40011	40020	8	0	<input checked="" type="checkbox"/>
3	40021	40021	3	0	<input type="checkbox"/>
4					<input type="checkbox"/>
5					<input type="checkbox"/>
6					<input type="checkbox"/>
7					<input type="checkbox"/>
8					<input type="checkbox"/>
9					<input type="checkbox"/>
10					<input type="checkbox"/>
11					<input type="checkbox"/>
12					<input type="checkbox"/>
13					<input type="checkbox"/>
14					<input type="checkbox"/>

Click on finish, press the configuration button of the DL6000 once download complete close EQ32.

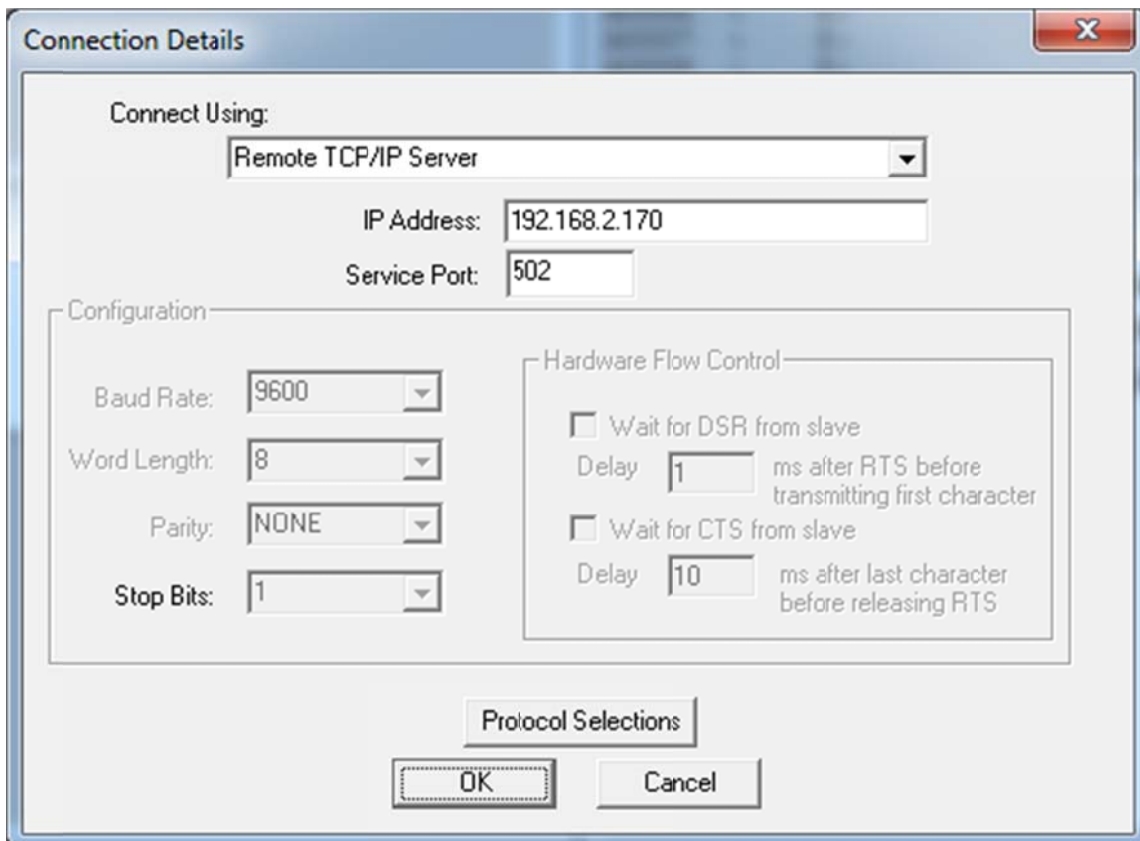
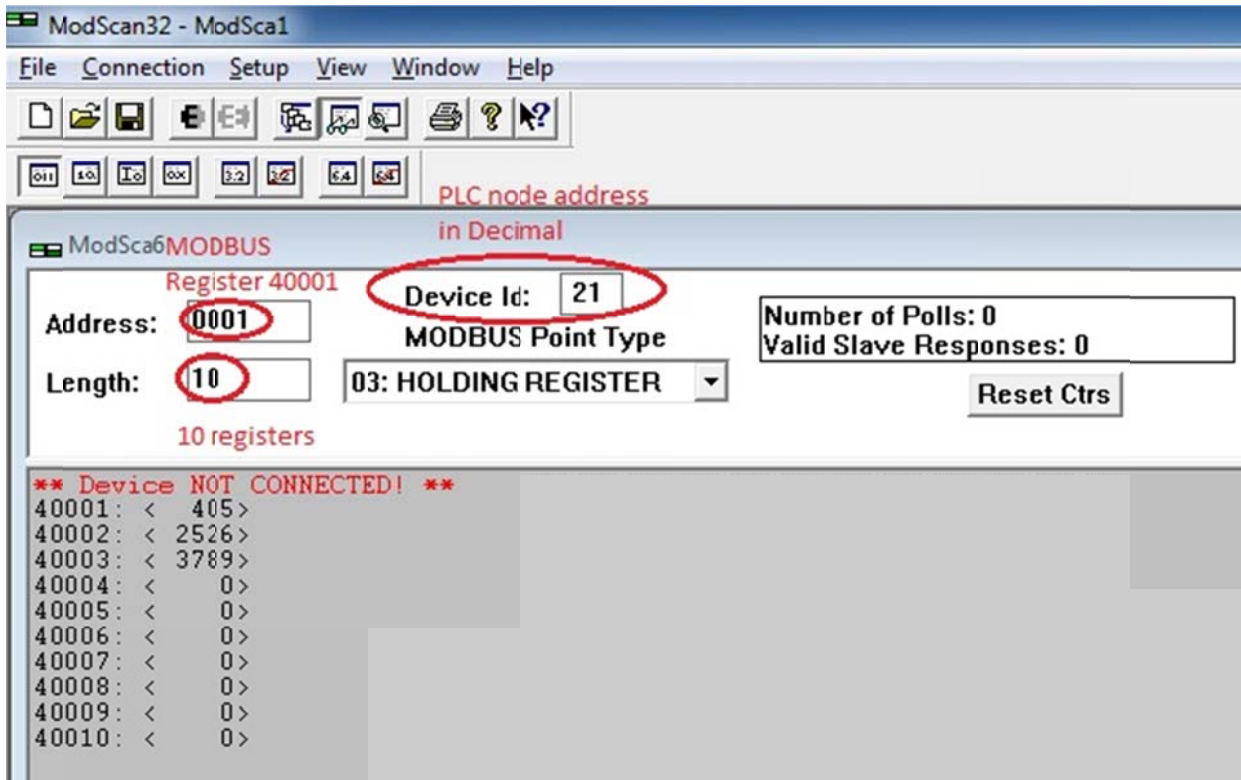
To download the configuration settings to the gateway device, select the Download Configuration option and click the FINISH button. You may also save your configuration settings by selecting one of the other options available.

- Download Configuration
- Download and Save Configuration
- Save Configuration



Start MODSCAN

Open and set a file for each command, in this application we are setting 6, 3 for PLC5 node25 octal (21 decimal) and 3 for SCL504 node 3 Octal ( 3 decimal).



MODSCAN results reading files from PLC5 node address 25 octal which is 21 decimal as shown as Device ID( that is the MODBUS slave address), same files being read for SLC504 node 3, on the right side.

The screenshot displays six ModScan windows arranged in a 3x2 grid. Each window shows the configuration for a specific Modbus device and the resulting data read from its registers.

Window Title	Address	Device ID	MODBUS Point Type	Number of Polls	Valid Slave Responses	Register Data
ModScan0	0001	21	03: HOLDING REGISTER	2569	2569	40001: < 1836 > 40002: < 3672 > 40003: < 5508 > 40004: < 1836 > 40005: < 1836 > 40006: < 1836 > 40007: < 1836 > 40008: < 1836 > 40009: < 1836 > 40010: < 1836 >
ModScan1	0001	3	03: HOLDING REGISTER	2568	2568	40001: < 894 > 40002: < 1788 > 40003: < 2682 > 40004: < 0 > 40005: < 0 > 40006: < 0 > 40007: < 0 > 40008: < 0 > 40009: < 0 > 40010: < 0 >
ModScan5	0011	21	03: HOLDING REGISTER	2570	2570	40011: 489866.5000 40012: 979733.0000 40014: 40015: 1469599.5000 40016: 40017: 1959466.0000 40018: 40019: 2449332.5000 40020:
ModScan6	0011	3	03: HOLDING REGISTER	2569	2569	40011: 1097152.0000 40012: 40013: 0.0000 40014: 40015: 0.0000 40016: 40017: 0.0000 40018: 40019: 0.0000 40020:
ModScan4	0021	21	03: HOLDING REGISTER	2569	2569	40021: <0000000000010100>
ModScan7	0021	3	03: HOLDING REGISTER	2565	2565	40021: <0000001101111110>

For Help, press F1 Polls: 15413 Resps: 15410