

Modbus RTU Setup and Test

Materials required: Null modem cable PC with com port to run Modbus Slave DeviceMaster UP running Modbus/TCP version 4.09 Modbus Slave from <u>http://www.modbustools.com</u> Modbus Poll from <u>http://www.modbustools.com</u> *Please note: The Modbus Slave and Modbus Poll application's are not freeware. You may use the application's for 10 minutes from connection. After 10 minutes the connection is broken. Re-starting the Modbus Slave or Modbus Poll application's will initiate another 10 minute demonstration period. After 30 days it will no longer operate without purchase.*

This document will show step-by-step instructions of how to setup and configure the DeviceMaster UP in Modbus RTU mode and use the Modbus Slave and Modbus Poll application's to test the configuration.

This manual contains no explanations for the procedures outlined here. For full information and details, please see the DeviceMaster UP Modbus user guide and the Modbus Slave and Modbus Poll user guides.

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DeviceMaster Configuration

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The web pages for this example are as follow.

There are only two pages that will need to be configured:

Serial Device Configuration

and



Please note the version number. If necessary, begin by downloading the current firmware and use PortVision Plus to update the firmware in the DeviceMaster.

Here is a link to download the firmware at the tome of this writing:

ftp://ftp.comtrol.com/dev_mstr/up/software/modbus_tcp/firmware/modbus_tcp_4.09.msi

These are the network settings used in this example:

🖉 Comtrol Corporatio	on - DeviceMaster UP Modbus/TCP 4.09 - Windows I 🔳 🗖 🔀
💽 🗢 🙋 http:/	/192.16 🔽 🗟 🗲 🗙 🚼 Google 🖉 🖓
<u> </u>	vorites <u>T</u> ools <u>H</u> elp
🚖 Favorites 🛛 👍	🔊 FTP 🚼 Google 💗 TFTP Server 📶 Wireshark 🙋 11 🙋 12 🂙
Comtrol Corporation -	Dev 🔄 🔹 📾 🔹 Page 🖛 Safety 🗸 🧩
Edit Netwo	Control® letwork Enabling Devices ork Configuration
IP Configuration:	O Use DHCP
IP Address'	• Use static configuration below:
Netmask:	192.100.2.12 255.255.0.0
Gateway:	192.168.2.254
Undo Changes	Save
Done	😜 Internet 🥢 🗸 🍕 100% 👻 🥲

The PC Slave application is used on a Windows XP system with the following IP settings: IP Address: 192.168.2.20 Subnet Mask: 255.255.0.0 Gateway Address: 192.168.0.254

You should configure the IP information to be compatible with your network and then substitute your values in place of the values shown in this example.

Here are the serial port settings.

Comtrol Corporation - DeviceMaster UP Modbus/TCP 4.0	09 - Windows Internet Explorer 🛛 🔳 🔀
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<u>File Edit View Favorites Tools Help</u>	
👷 Favorites 🛛 👍 🔊 FTP 🔧 Google 🤝 TFTP Server 📶 Wi	reshark 🙋 11 🩋 12 🥏 13 🥭 24 🥭 41 🂙
Comtrol Corporation - DeviceMaster UP	🔹 🖃 🔹 Page 🕶 Safety 🕶 Tools 🕶 🔞 😁 🂙
Network Enabling Devices	
•	
Edit Port 1 Configuration	
Serial Configuration	
Mode:	RS-232 💌
Baud:	38400 🗸
Parity:	none 💙
Data Bits:	8 🕶
Stop Bits:	1 💌
Flow:	none 💌
DTR:	off 💌
Rx Timeout Between Packets:	200 (ms)
General Protocol Settings	
Serial Port Protocol:	Modbus/RTU 🔽
Discard Rx Packets With Errors:	
Modhus / RTIL Protocol Settings	
Device Response Timeout:	1000 (ms)
Serial Packet ID Settings (Raw-Data Only)	
STX (Start of Transmission) Rx Detect:	none 💙 Byte 1: Byte
ETX (End of Transmission) Rx Detect:	none 💌 Byte 1: Byte 🗸
• • • • • • • • • • • • • • • • • • •	
Done) Internet 🦙 🔹 🕄 100% 👻 🛒

All options in, or below, *Serial Packet ID Settings (Raw-Data Only)* are left at default as they are not used with Modbus RTU.

Scroll to the bottom of the page and click on **Submit**.

The verification page is displayed.

🖉 Comtrol Corporation - DeviceMaster UP Modbus/TCP	4.09 - Windows Internet	Explorer 🔳 🗖 🔀
🚱 🗢 🙋 http://192.168.2.12/home5 🔽 🗟 😽 🗙	🛃 Google	P -
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🖕 Favorites 🛛 🚕 🖉 FTP 💐 Google 🤝 TFTP Server 🚺	Wireshark 🖉 11 🖉 12 🖉	13 🖉 24 🖉 41 👋
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Comtrol Corporation - DeviceMaster UP	∭	<u>p</u> arety + Toois + ₩ +
Network Enabling Devices		_
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Serial Device Configuration		
Somor Configuration Homo		≡.
Server Configuration Home		
Communication Statistics		
PLC Interface Diagnostics		
Display Serial Logs		
	Port 1	
Serial Port Settings		
Mode:	RS-232	
Baud:	38400	
Parity:	none	
Data Bits:	8	
Stop Bits:	1	
	off	
By Timeout Between Dackets:	200	
	200	
General Protocol Settings		
Serial Port Protocol:	Modbus/RTU	
Discard Rx Pkts With Errors:	yes	
Modbus /DTU Drotocol Cottings		
Posponso Timoout (ms):	1000	
Response rimeout (MS):	1000	
Control product to Control (new parts control		N
Done	😜 Internet	🖓 🔹 🔍 100% 🔹 🔐

Click on **Display Devices**

The Known Modbus/RTU Device List will be presented.

🖉 Comtrol Corporation - DeviceMaster UPModbus/TCP 4.09 - Windows Internet Explorer 👘 🔲 🗖	×
🚱 💿 💌 🙋 http://192.168.2.12/display 💟 🔯 👉 🗙 🚼 Google	•
Eile Edit View Favorites Tools Help	
🚖 Favorites 🛛 🚖 🔊 FTP 🚼 Google 🤝 TFTP Server 📶 Wireshark 🔊 11 🔊 12 🖉 13 🖉 24 🖉 41	»
Comtrol Corporation - DeviceMaster UPM	»
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<u> </u>	
Network Enabling Devices	
Known Modbus/RTU Device List	
·····	
Server Configuration Home	
Serial Device Configuration Communication Statistics	
Port1 Devices:	
(No devices)	
	~
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Until the Modbus Slave application is running, at this point (No devices) will be displayed. This page will be returned to once the Modbus Slave and Modbus Poll application's are running.

Modbus Slave Configuration

Connect a null modem cable to com1 or com 2 of your PC and the other end to the serial port on the DeviceMaster. Start Modbus Slave. This will be connected via a null modem cable to the DeviceMaster, so knowing which com port your null modem cable is connected to will be necessary. Modbus Slave will emulate a Modbus device attached to the DeviceMaster's serial port.

🗑 Modbus Slave - Mbslav1	
<u>-</u> ile <u>C</u> onnection <u>S</u> etup <u>D</u> isplay <u>V</u> iew <u>W</u> indow <u>H</u> elp	
👺 Mbslav1	
ID = 1	
No connection	
40001 = 0 40007 = 0	
40002 = 0 40008 = 0	
40003 = 0 40009 = 0	
40004 = 0 40010 = 0	
40005 = 0	
40006 = 0	
	1
or Help, press F1. For Edit, double click on a value Port 1: 38400-8-N-1	L //

Configure the Display as shown here:

File Connection Setup Display Wiew Window Help ID = 1 Signed Unsigned ID = 1 Binary No connection Long 40001 = 0x0000 Long Inverse 40002 = 0x0000 Float 40003 = 0x0000 Float Inverse 40004 = 0x0000 Double
Signed Unsigned Unsigned Unsigned Wbslav1 V Hex Binary ID = 1 No connection 40001 = 0x0000 Long 40002 = 0x0000 Float 40003 = 0x0000 Float Inverse 40004 = 0x0000 Duble
40005 = 0x0000 Double Inverse 40006 = 0x0000 PLC Addresses (Base 1) Protocol Addresses (Base 0) Communication
Port 1: 38400-8-N-1

Configure the Slave Definition:

🔉 Modbus Slave - Mbslav1	
File Connection Setup Display View Window Help	
Image: Slave Definition F2 Options Image: Definition F2 Options Use as Default ID = 1 No connection 40001 = 0x0000 40007 = 0x0000 40002 = 0x0000 40008 = 0x0000 40003 = 0x0000 40009 = 0x0000 40004 = 0x0000 40010 = 0x0000 40005 = 0x0000 40006 = 0x0000	3
Setup slave definition Port 1: 38400-8-1	N-1 //,



Leave the Slave ID at the default of 1.

Change the Length from the default 10 to 40

Slave Defi	nition	
Slave ID:	1	ОК
Function:	03 HOLDING REGISTER 💌	Cancel
Address:	1	
Length:	40	

Click OK

It will display No connection at this time.

📓 Modbus Slave - Ml	bslav1				
<u>File Connection Setup</u>	<u>D</u> isplay <u>V</u> iew <u>W</u> indow	Help			
D 🖻 🖥 🎒 🛅	🗏 📋 💡 📢				
📅 Mbslav1					
ID = 1					
No connection					
40001 = 0x0000	40010 = 0x0000	40019 = 0x0000	40028 = 0x0000	40037 = 0x0000	
40002 = 0x0000	$40011 = 0 \times 0000$	40020 = 0x0000	40029 = 0x0000	40038 = 0x0000	
40003 = 0x0000	$40012 = 0 \times 0000$	40021 = 0x0000	40030 = 0x0000	40039 = 0x0000	
40004 = 0x0000	$40013 = 0 \times 0000$	40022 = 0x0000	40031 = 0x0000	40040 = 0x0000	
40005 = 0x0000	$40014 = 0 \times 0000$	40023 = 0x0000	40032 = 0x0000		
40006 = 0x0000	40015 = 0x0000	40024 = 0x0000	40033 = 0x0000		
40007 = 0x0000	40016 = 0x0000	40025 = 0x0000	40034 = 0x0000		
40008 = 0x0000	40017 = 0x0000	40026 = 0x0000	40035 = 0x0000		
40009 = 0x0000	40018 = 0x0000	40027 = 0x0000	40036 = 0x0000		
For Help, press F1. For Ec	dit, double click on a value			Port 1: 38400-8-N-1	

On the Connection drop down menu select Connect.

ää N	odbus Slave	- Mbslav1					
File	Connection Se	etup Displa	iy View	Window	Help		
	Connect	F3 🕻	1 ?	N?			
Doc	Disconnect	F4					
	Auto Connec	t 🕨					
1D No	Quick Connec	ct F5					
400	001 = 0x000)0 400	10 =	0x0000	$40019 = 0 \times 0000$	$40028 = 0 \times 0000$	40037 = 0x0000
400	002 = 0x000	0 400	11 =	0x0000	40020 = 0x0000	40029 = 0x0000	40038 = 0x0000
400	$003 = 0 \times 000$	00 400	12 =	0x0000	40021 = 0x0000	40030 = 0x0000	40039 = 0x0000
400	004 = 0x000	0 400	13 =	0x0000	40022 = 0x0000	40031 = 0x0000	$40040 = 0 \times 0000$
400	005 = 0x000	0 400	14 =	0x0000	40023 = 0x0000	40032 = 0x0000	
400	06 = 0x000	0 400	15 =	0x0000	40024 = 0x0000	40033 = 0x0000	
400	007 = 0x000	0 400	16 =	0x0000	40025 = 0x0000	40034 = 0x0000	
400	008 = 0x000	0 400	17 =	0x0000	40026 = 0x0000	40035 = 0x0000	
400	009 = 0x000	0 400	18 = 1	0x0000	40027 = 0x0000	40036 = 0x0000	
Conne	ect						Port 1: 38400-8-N-1

Connection		X
Port 1	Mode © RTU © ASCII	ОК
38400 Baud 💌		Cancel
8 Data bits 💌	🔲 Ignore Unit ID	
	Flow Control	
None Parity 💌	🗆 DSR 🗖 CTS	
1 Stop Bit 💌	RTS Toggle	[ms] RTS disable delay

Select the Port number.

Port 1 will correspond to Com1

Connection		×
Port 1	Mode © RTU © ASCII OK	
Port 2 Port 3 Port 4 Port 5 Port 6	Cancel	
Port 7 Port 8 TCP/IP 1 Stop Bit	DSR CTS RTS Toggle [1 [ms] RTS disable delay	,

In this example Com1 is used.

Select the other options to match as shown here.

Connection		
Port 1	Mode	ОК
38400 Baud 💌		Cancel
8 Data bits 💌	🔲 Ignore Unit ID	
	Flow Control	
None Parity 💌	🗆 DSR 🗖 CTS	
1 Stop Bit 💌	□ RTS Toggle 1	[ms] RTS disable delay

Click OK

📓 Modbus Slave - Mb	oslav1			
<u>File Connection Setup</u>	<u>D</u> isplay <u>V</u> iew <u>W</u> indow	Help		
🗅 🖻 🖬 🎒 🛅	토 🏚 🤋 📢			
📅 Mbslav1				
ID = 1				
40001 = 0x0000	40010 = 0x0000	40019 = 0x0000	40028 = 0x0000	40037 = 0x0000
40002 = 0x0000	40011 = 0x0000	40020 = 0x0000	40029 = 0x0000	40038 = 0x0000
40003 = 0x0000	40012 = 0x0000	$40021 = 0 \times 0000$	40030 = 0x0000	$40039 = 0 \times 0000$
40004 = 0x0000	40013 = 0x0000	$40022 = 0 \times 0000$	40031 = 0x0000	$40040 = 0 \times 0000$
40005 = 0x0000	40014 = 0x0000	40023 = 0x0000	$40032 = 0 \times 0000$	
40006 = 0x0000	40015 = 0x0000	40024 = 0x0000	40033 = 0x0000	
40007 = 0x0000	40016 = 0x0000	$40025 = 0 \times 0000$	40034 = 0x0000	
40008 = 0x0000	40017 = 0x0000	40026 = 0x0000	40035 = 0x0000	
40009 = 0x0000	40018 = 0x0000	40027 = 0x0000	40036 = 0x0000	
For Help, press F1. For Ed	it, double click on a value			Port 1: 38400-8-N-1

Modbus Slave is now connected to the serial port on the DeviceMaster as shown by the absence of the No connection indicator.

Modbus Poll Configuration back to top

Start the Modbus Poll application.

電 Modbus Poll - Mbpoll1	
<u>File Connection Setup Functions Display View Window H</u> elp	
🗋 🖆 🖬 🎒 🗙 🛅 🖳 🚊 🗔 05 06 15 16 22 23 101 🦉 🎀	
💬 Mbpoll1	
Tx = 0: Err = 0: ID = 1: F = 03: SR = 1000ms	
40001 = 0 40007 = 0	
40002 = 0 40008 = 0	
40003 = 0 40009 = 0	
40004 = 0 40010 = 0	
40005 = 0	
40006 = 0	
For Help, press F1. For Edit, double click on a value. 192.168.	2.12: 502

Configure the Display as shown here:

📲 Modbus Poll - Mbpoll1		
File Connection Setup Functions	Display View Window Help	
D 📽 🖬 🎒 🗙 🛅 🗒 1	Signed	1 🦞 🎀
Mbpoll1 Tx = 0: Err = 0: ID = 1 No Connection 40001 = 0x0000 40007 40002 = 0x0000 40008 40003 = 0x0000 40009 40004 = 0x0000 40010	✓ Hex Binary Long Long Inverse Float Float Inverse Double	
40005 = 0x0000 40006 = 0x0000	Double Inverse PLC Addresses (Base 1) Protocol Addresses (Base 0) Error Coupters E11	
	Communication	192.168.2.12: 502

Configure the Poll Definition:

🗶 Modbus Poll - Mbpoll1 📃 🗖	×
File Connection Setup Functions Display View Window Help	
🗋 🚅 🔚 🚭 Poll Definition F2 05 06 15 16 22 23 101 🤶 🎀	
Options	
Log	
Tx = 0: Err Logging Off 03: SR = 1000ms	
No Connect $40001 = 0x0$ Reset Counters F12 100	
40002 = 0x0 Use as Default 100	
40003 = 0x0000 40009 = 0x0000	
40004 = 0x0000 40010 = 0x0000	
40005 = 000000	
ietup poll definition 192.168.2.12: 502	//

Leave the default Slave ID set at 1 to match the ID in the Modbus Slave application.

Poll Defini	tion	X
Slave ID:	1	ОК
Function:	03 Read Holding Registers 💌	Cancel
Address:	1	
Length:	10	Apply
Scan Rate:	1000 ms	
🔽 Auto Re	ad <u>E</u> nable	<u>R</u> ead Once

Change the default length of 10 to 40 to match the length field in the Modbus Slave application.

Poll Defini	tion	
Slave ID:	1	ОК
Function:	03 Read Holding Registers 💌	Cancel
Address:	1	
Length:	40	Apply
Scan Rate:	1000 ms	
🔽 Auto Re	ad <u>E</u> nable	<u>R</u> ead Once

Click OK

월 Modbus Poll - Mbpoll1	
<u>File Connection Setup Functions Display View Window H</u> elp	
🗅 😂 🖶 🎒 🗙 🛅 🗏 🚊 🗔 05 06 15 16 22 23 101	8 № ?
📅 Mbpoll1	
Tx = 0: Err = 0: ID = 1: F = 03: SR = 1000ms	
No Connection	
40001 = 0x0000 40011 = 0x0000 40021 = 0x0000	40031 = 0x0000
40002 = 0x0000 40012 = 0x0000 40022 = 0x0000	40032 = 0x0000
40003 = 0x0000 40013 = 0x0000 40023 = 0x0000	40033 = 0x0000
40004 = 0x0000 40014 = 0x0000 40024 = 0x0000	40034 = 0x0000
40005 = 0x0000 40015 = 0x0000 40025 = 0x0000	40035 = 0x0000
40006 = 0x0000 40016 = 0x0000 40026 = 0x0000	40036 = 0x0000
40007 = 0x0000 40017 = 0x0000 40027 = 0x0000	40037 = 0x0000
40008 = 0x0000 40018 = 0x0000 40028 = 0x0000	40038 = 0x0000
40009 = 0x0000 40019 = 0x0000 40029 = 0x0000	40039 = 0x0000
40010 = 0x0000 $40020 = 0x0000$ $40030 = 0x0000$	40040 = 0x0000
For Help, press F1. For Edit, double click on a value.	192.168.2.12: 502

At this time the No connection indicator will be shown.

Configure the Connection.

₩1 м	odbus Pol	l - Mbp	oll1											
File	Connection	Setup	Functions	Display	View	Window	Help							
	Connect.	F3	8 토.	Ц Ц	05 0	6 15 1	6 22	23 101	8	?				
2	Auto Con	nect	÷									(×
Tx No	Quick Cor	neet F	5 96 :	ID = 1	: F	= 03:	SR =	1000m:	в					
400 400	01 = 0x0 02 = 0x0)000)000												
400	103 = 0x0	000												
400	105 = 0x0	0000												
400	107 = 0x0)000												
400	109 = 0x0 110 = 0x0)000												
100		,000									102	160 0 1/	2, 502	
Conne	:00										192.	100.2.1.	2: 502	

Select TCP/IP



Modify the IP address to show the Ip of your DeviceMaster. For ease of observation; Increase the **Response Timeout** to 2000 Increase the **Delay Between Polls** to 1000 Leave the **Port** set to 502.

Click OK

📲 Modbus Poll - Mbpo	011		
<u>File Connection Setup</u>	Functions <u>D</u> isplay <u>V</u> iew	<u>W</u> indow <u>H</u> elp	
🗅 📽 🖬 🎒 🗙 🛛	🗂 呉 直 几 05 0	16 15 16 22 23 101	१ № ?
📅 Mbpoll1			
Tx = 4: Err = 0:	ID = 1: F = 03:	SR = 1000ms	
40001 = 0x0000	40011 = 0x0000	40021 = 0x0000	40031 = 0x0000
40002 = 0x0000	40012 = 0x0000	40022 = 0x0000	40032 = 0x0000
40003 = 0x0000	40013 = 0x0000	$40023 = 0 \times 0000$	40033 = 0x0000
40004 = 0x0000	40014 = 0x0000	$40024 = 0 \times 0000$	40034 = 0x0000
40005 = 0x0000	40015 = 0x0000	$40025 = 0 \times 0000$	40035 = 0x0000
40006 = 0x0000	40016 = 0x0000	$40026 = 0 \times 0000$	40036 = 0x0000
$40007 = 0 \times 0000$	40017 = 0x0000	$40027 = 0 \times 0000$	40037 = 0x0000
$40008 = 0 \times 0000$	40018 = 0x0000	40028 = 0x0000	40038 = 0x0000
40009 = 0x0000	40019 = 0x0000	40029 = 0x0000	40039 = 0x0000
40010 = 0x0000	$40020 = 0 \times 0000$	$40030 = 0 \times 0000$	40040 = 0x0000
For Help, press F1. For Edit,	double click on a value.		192.168.2.12: 502

You will immediately see the Tx = value increasing.

The ID = value will show the Slave device ID

The F = value is the Function value

The SR = value is the Delay between Polls.

Verification of Operation back to top

Back to the web page:



Known Devices will now be listed

Statistics will now be shown on the Known Modbus/RTU Device List

Click on Communications Statistics and Values will be seen to be incrementing

🖉 Comtrol Corporation - DeviceMaster UP Modb	ous/TCP 4.09 - Windows Internet Explo 🔳 🗖 🔀
💽 🗢 🖻 http://192.168.2.12/d 🚽 🗟 🐓	🗙 🚼 Google
Edit View Favorites Tools Help	
🔶 Favorites 🛛 🔶 🖉 ETP 🖓 Goode 🤝 TETP S	erver 📶 Wirechark 🖉 11 🖉 12 🖉 13 🖉 24
Comtrol Corporation - DeviceMaster	▼ 🔝 ▼ 🖃 👼 ▼ Page ▼ Safety ▼ Tools ▼ 🚷 ▼
	<u>^</u>
	R
The Construction	JL
Network Enabling Dev	vices
Serial/Ethernet Device (Communication Statistics
Server Configuration Home	
Serial Device Configuration	
Ethernet Device Configuration	
PLC Interface Diagnostics	
Display All Modbus/RTU Devices	
<u>Display Serial Logs</u>	
Display Ethernet Device Logs	
Conial Davias Interface Chatistics	
Senai Device Interface Statistics	Yes/No Reset Statistics
	Port-1
TX Byte Count:	2872
IX Pitte Count:	359
RX Byte Count:	29070
Parity Error Count:	0
Framing Error Count:	0
Overrun Error Count:	0
To PLC Dropped Packet Count:	0
To PLC Truncated Packet Count:	N/A
Tx Unexpected Seq Errors:	N/A
Invalid RTU Device Responses:	0
RTU Device Timeouts:	17 💌
Done	😜 Internet 🦓 🗸 🔍 100% 🔻 🖉

Click on Display Serial Logs to see the log file of the packets.

🖉 Comtrol Corporation - DeviceMaster UP Modbus/TCP 4.09 - Windows Internet Explo 🔳 🗖 🖻
🚱 🗢 🙋 http://192.168.2.12/d 💌 🗟 🐓 🗙 🚼 Google
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools <u>H</u> elp
🖞 🔶 Favorites 👘 😓 🖉 FTP 😪 Google 🤝 TFTP Server 🎵 Wireshark 🖉 11 🖉 12 🖉 13 🖉 24
Combrol Corporation - DeviceMaster
The UIVIII MUL
Network Enabling Devices
Serial Interface Logs
Server Configuration Home
Serial Device Computation
PLC Interface Diagnostics
Serial Receive/Transmit Logs
Reset Serial Log
Port1 Rx/Tx Packets (first 128 packets, max of 128 bytes):
Pkt(1): 000 02:46:34.810:Tx:(01h)(03h)(00h)(00h)(00h)(28h)(45h)(D4h)
Pkt(2): 000 02:46:34.870:Rx:(01h)(03h)(50h)(00h)(00h)(00h)(00h)(00h)(00h)(00
Pkt(3): 000 02:46:35.880:Tx:(01h)(03h)(00h)(00h)(00h)(28h)(45h)(D4h)
Pkt(4): 000 02:46:35.930:Rx:(01h)(03h)(50h)(00h)(00h)(00h)(00h)(00h)(00h)(00
Pkt(5): 000 02:46:36.940:Tx:(01h)(03h)(00h)(00h)(00h)(28h)(45h)(D4h)
Pkt(6): 000 02:46:37.000:Rx:(01h)(03h)(50h)(00h)(00h)(00h)(00h)(00h)(00h)(00
Pkt(7): 000 02:46:38.010:Tx:(01h)(03h)(00h)(00h)(00h)(28h)(45h)(D4h)
Pkt(8): 000 02:46:38.070:Rx:(01h)(03h)(50h)(00h)(00h)(00h)(00h)(00h)(00h)(00
PKt(9): 000 02:46:39.080:TX:(010)(030)(000)(000)(000)(280)(450)(040) pkt(10): 000 02:46:30 130:8v:(01b)(02b)(00b)(00b)(00b)(00b)(00b)(00b)(00
Pkt(11): 000 02:46:40.140:Tx:(01h)(03h)(00h)(00h)(00h)(00h)(00h)(00h)(00

To stop the run, go back to both Modbus Poll and Modbus Slave and from the Connection menu, click on Disconnect.

Back to top