

FieldTalk™ diagslave

Read Me Notes

Revision 2.12, 2012-07-19

This *Read Me* file contains last-minute product information for the *FieldTalk™* diagslave utility.

diagslave is a command line based Modbus slave simulator and test utility. It is free software.

Files part of the package

README, README.pdf

These Read Me notes.

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linux/diagslave

Linux x86 binary

qnx6/diagslave

QNX 6 x86 binary

win32/diagslave.exe

Windows command line binary

src/

Source code for illustration purposes. Requires *FieldTalk* Modbus Slave C++ Library to compile.

Usage

Usage: diagslave [OPTIONS] [SERIALPORT]

Arguments:

serialport	Serial port when using Modbus ASCII or Modbus RTU protocol
	COM1, COM2 ... on Windows
	/dev/ttyS0, /dev/ttyS1 ... on Linux
	/dev/ser1, /dev/ser2 ... on QNX

General options:

-m ascii	Modbus ASCII protocol
-m rtu	Modbus RTU protocol (default)
-m tcp	MODBUS/TCP protocol
-o #	Master activity time-out in seconds (1.0 - 100, 3 s is default)
-c #	Connection time-out in seconds (1.0 - 3600, 60 s is default)
-a #	Slave address (1-255 for RTU/ASCII, 0-255 for TCP)

Options for MODBUS/TCP:

-p #	TCP port number (502 is default)
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Options for Modbus ASCII and Modbus RTU:

-b #	Baudrate (e.g. 9600, 19200, ...) (19200 is default)
-d #	Databits (7 or 8 for ASCII protocol, 8 for RTU)
-s #	Stopbits (1 or 2, 1 is default)
-p none	No parity
-p even	Even parity (default)
-p odd	Odd parity

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-4 # RS-485 mode, RTS on while transmitting and another # ms after
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Release history

Version 2.12 (2012-07-19)

- RTU/ASCII: Added RS-485 mode for Win32, QNX and Linux platforms.
- COMn syntax can now also be used for COM port number ≥ 10

Version 2.11 (2011-03-05)

- Protocol is now auto-detected as RTU or TCP depending on value of first parameter

Version 2.10 (2010-03-31)

- Added connection time-out, changed -t to -o for activity time-out.

Version 2.9 (2009-11-16)

- Default baudrate is now 19200 as per Modbus standard.

Version 2.8 (2009-10-26)

- Using the -d and -s command line parameters returned an error message in earlier releases.

Version 2.7 (2009-10-20)

- First release as standalone application.

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Email: mail@modbusdriver.com [<mailto:mail@modbusdriver.com>]

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