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.

`LICENSE-FREE`, `LICENSE-FREE.pdf`
License containing the Terms & Conditions of use for this free software.

`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)
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
```

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

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.