

FieldTalk™ diagslave

Linux Edition Read Me Notes

Revision 3.2, 2019-04-01

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.

Files part of the package

README.txt, README.pdf

These Read Me notes.

LICENSE-FREE.txt, LICENSE-FREE.pdf

License containing the Terms & Conditions of use for this free software.

linux_arm-eabi/modpoll

Linux ARM binary for ARM boards like Raspberry Pi and BeagleBoard

linux_i386/modpoll

Linux x86 binary for 32-bit Intel x86 architectures

linux_x86-64/modpoll

Linux x86_64 binary for 64-bit Intel x86 architectures

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
General options:
-m ascii        Modbus ASCII protocol
-m rtu          Modbus RTU protocol (default)
-m tcp          MODBUS/TCP protocol
-m udp          MODBUS UDP
-m enc          Encapsulated Modbus RTU over TCP
-o #            Master activity time-out in seconds (1.0 - 100, 3 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)
-c #            Connection time-out in seconds (1.0 - 3600, 60 s 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
```

Options for Modbus RTU:

-f # Tolerance for inter-frame gap detection in ms (0-20)

Release history

Version 3.2 (2019-04-01)

- Added -f # option to set tolerance for inter-frame gap detection

Version 3.1 (2018-11-28)

- Modbus UDP protocol added (-m udp)

Version 3.0 (2018-07-09)

- RTU over TCP protocol added, which is also known as encapsulated RTU (-m enc)

Version 2.13 (2013-05-16)

- Bug fix, slave ID of 255 for Modbus/TCP did not work

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.

Copyright (c) 2002-2019 *proconX* Pty Ltd. All rights reserved.

Please refer to file LICENSE-FREE for license and distribution terms.

THIS SOFTWARE IS PROVIDED BY PROCONX AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL PROCONX OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.