USB to CAN interface user manual

1. Introduction

This CAN USB dongle could be used together with Windows O/S. Virtual COM port driver acts as a standard RS232 COM port. CAN USB uses some types of commands – standard ASCII. (chapter 3).

As a CAN bus port is used standard RJ45 connector. USB and CAN part can be galvanic separated.

2. Installation

USB to CAN dongle needs drivers which are supplied with (for 32bit or 64 bit O/S). Please install the drivers first.

3. Available CAN Commands:

- transmit (t). Command transmits string out to CAN bus. Example: **t ID data1 data2**, to transmit 8 bytes.

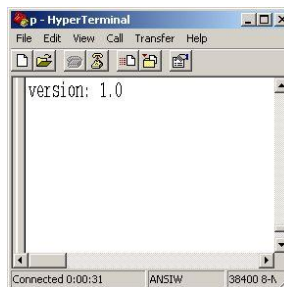- identifier (i). Refer to CAN bus specifications. Options:

i0	11 bits
i1	29 bits

- RTR bit setting (r). Refer to CAN bus specifications. Options:

r0	RTR bit not set
r1	RTR bit set

- Simbol rate (s). Speed of CAN bus communication.

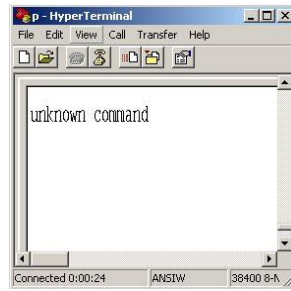 | | |
  |---|---|
  | s0 | 100Kbit |
  | s1 | 125Kbit |
  | s2 | 250Kbit |
  | s3 | 500Kbit |
  | s4 | 1Kbit |

- Version (v). Print out a version of dongle's firmware.

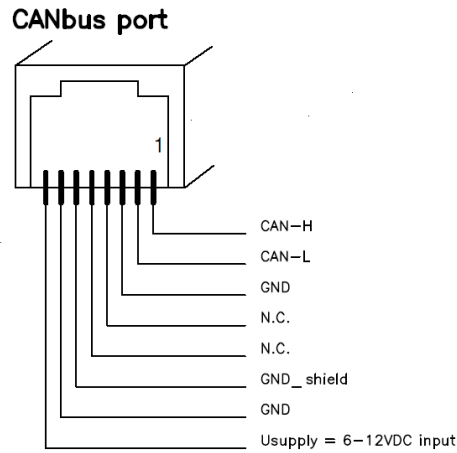- All parameters (p). Print out all parameters
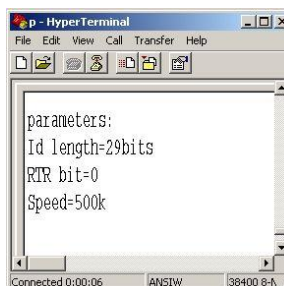
- unknown command reply

4. CAN bus connector

For CAN connection is used standard RJ45 socket.

CANbus port

CAN—H
CAN—L
GND
N.C.
N.C.
GND_ shield
GND
Usupply = 6—12VDC input

5. Power suppling

Dongle can be supplied directly from USB bus or can be galvanic separated from CAN bus. Open dongle's case and refer to K3 and K4 jumpers.

- When jumpers K3 and K4 are set, CAN bus side is supplied from USB part (default).
- When jumpers K3 and K4 are removed, USB and CAN are galvanic separated.