1. Application note description

This application describes how to download a software file with the EEPROM Programmer from the command line in Windows.

2. Command line syntax for EEPROM Programmer

***eepromprog.exe -ct** value **-cp** value **–p** value, **-b** value, **-ah** value **-aa** value **-f** software_file*

The EEPROM Programmer operation from command line can be setup with the following mandatory parameters:

-c**t** sets the communication channel type. The following communication channels are supported:

- 0 CHANNEL_RS232
- 1 CHANNEL_RS485
- 2 CHANNEL_IXXAT_CAN
- 3 CHANNEL_SYS_TEC_USBCAN
- 4 CHANNEL_PEAK_SYS_PCAN_PCI
- 5 CHANNEL_ESD_CAN
- 6 CHANNEL_PEAK_SYS_PCAN_ISA
- 7 CHANNEL_PEAK_SYS_PCAN_USB
- 8 CHANNEL_PEAK_SYS_PCAN_DONGLE
- 9 CHANNEL_LAWICEL_USBCAN
- 10 CHANNEL_KVASER_USBCAN
- 11 CHANNEL_SOFTING_USBCAN
- 15 CHANNEL_VIRTUAL_SERIAL
- 16 CHANNEL_XPORT_IP
- 17 CHANNEL_ETHERNET_CAN
- 18 CHANNEL_ENET_BX_CAN
- 19 CHANNEL_ENET_BX_RS232
- 25 CHANNEL_ETHERCAT_EOE
- 30 CHANNEL_RS232_USB_VCP

-cp sets the CAN communication protocol

- 0 TMLCAN
- 128 TechnoCAN

-p sets the communication port. The following values can be used

- RS232, RS485 and CHANNEL_LAWICEL_USBCAN: COM port number or COM port name ("1","2","3"... -> "COM1", "COM2", "COM3"...)
- CHANNEL_IXXAT_CAN: "1" .. "4"
- CHANNEL_SYS_TEC_USBCAN and CHANNEL_ESD_CAN: "0" .. "10"
- CHANNEL_PEAK_SYS_PCAN_PCI: "1" or "2"
- CHANNEL_XPORT_IP: "IP" or "hostname"
- CHANNEL_ETHERNET_CAN: "IP" or "hostname"
- CHANNEL_ETHERCAT_EOE: "IP" or "hostname"

-b sets the communication baudrate. The following values can be used:

- RS232, RS485: 9600, 19200, 38400, 57600 or 115200.
- CAN interfaces have baud rates of 125000, 250000, 500000, 1000000

-ah sets the AxisID of the host drive

- Set the address of the host drive
- for RS232, the *-ah 0* corresponds to "connected to PC" option in the GUI version of EEEPROM Programmer

-aa is used to set the active AxisID of the drive

- set active drive (messages are sent/received to/from this axis)
- for RS232, the *-aa 0* corresponds to "connected to PC" / "autodetect" option in the GUI version of the EEPROM Programmer

-f sets the software file (*.sw) to be downloaded

- as an argument it needs the path of the *.sw* file location
  (ex: C:\Example\Example.sw)

-c executes the checksum function

-v executes the verify function

The –c and –v parameters are:

- optional
- are exclusive, i.e. can't be used both in the same line call
- they must be placed before the -f flag
- their value must always be "0"

3. Example

eepromprog.exe -ct 0 -cp 0 -p COM4 -b 115200 -ah 0 -aa 5 -f C:\Example\Example.sw

This command line will open EEPROM Programmer with the following configuration:

Channel type: RS232

CAN protocol: TMLCAN

Communication port: COM4

Baudrate: 115200

AxisID of the host: 0 because it's connected to PC via RS232

AxisID of the drive: 5

Location of the *.sw* file: C:\Example\Example.sw