

This is a printout of the online documentation. Please check the online documentation on a regular basis for updates. Online documentation is found at "wiki.avisaro.com". This particular document has the link:

[http://www.avisaro.com/tl/tl\\_files/Avisaro20/PDF/MC8\\_Manual\\_20.pdf](http://www.avisaro.com/tl/tl_files/Avisaro20/PDF/MC8_Manual_20.pdf)

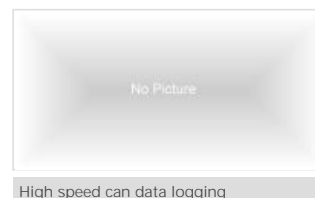
Date: 2009-05-28



## MC8: High speed logging of CAN messages

### Description

This script logs CAN messages at full line rate. All messages from the CAN bus are stored on SD memory card. Filters can be applied to allow a range of CAN IDs. The messages are stored in binary format with a real time timestamp. The logfiles are named after the day and the month.



### Version history

Script name:	mc8-3.txt
Current version:	V 3, dated from 26.05.2009
Firmware:	v4.25 or higher required
Hardware:	Logger cube, logger box or logger module
History:	V3: Added buffered full speed streaming V2: Added buffered writing V1: Initial version

### Download



[MC8 User Manual \(PDF, ENG, 0.5 MB\)](#) (print-out of the online manual)



[Download Script: MC8.txt \(1.3 kB\)](#) (right mouse-button and 'save under ..' to download)

## 1. Initial Setup

Power Up and connect to your device as described [here](#) in the User Manual section "First Steps".

Typically, this application script is not loaded when an Avisaro CAN Logger product was purchased. Please see [here](#) for details on how to load the script into the logger.

Configure the CAN port, such as baudrate and stop bits, as described [here](#) using SD memory cards.

The default settings of the CAN interface are:

CAN default settings

Baudrate: 125 kbits/s  
CAN ID send: 49 (hex)  
CAN ID receive: 49 (hex)

## 2. Modify filter (range of CAN IDs to be logged)

Filters can be set to allow a certain range of message IDs to be logged.

Use the command "CANFLT" ([more](#)) to set the filter. See ([here](#)) on how to best use the command using the 'autorun.txt' method.

## 3. Access log file via Explorer (FTP) using WLAN / LAN

If the Avisaro product used has a WLAN or LAN option build in, the logfile can be accessed using the regular Windows Explorer or any other FTP client.

See [here](#) for details.



## 4. Operating Logger

### 4.1. LEDs and Key

Key:

Is used to start and stop logging process.

The logging process is automatically started or stopped when a card is extracted or inserted.

The logging process is also automatically started when the device is powered up.

Green LED:

Indicates power up.

A fading green LED indicates that module is waiting for user interaction (SD card to be entered or key to be pressed)

Red LED:

Indicates that the logging process is active.



### 4.2. Detailed settings

FSYNC

It is recommended to use the FSYNC command. This ensures that the filesystem is synchronized for the case of improper termination (power outage, ...) ([here](#))

Recommended setting: FSYNC 1000

SCHED

It is recommended to use the SCHED command. This ensures better system performance ([here](#))

Recommended setting: SCHED 0 fix