

## 1 – What is Memory Module

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Memory Module is the AiM mass data storage expansion for car/bike installations. It comes with a 4 Gb SD card and can support up to 128 Gb. It is connected to AiM loggers via a 40cm cable and communicates using AiM proprietary CAN bus.



## 2 – Connection

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Memory Module can be connected to all new generation AiM loggers:

- MXL2, MXG, MXS, EVO5: connect it to cable labelled “Exp” of 37 pins connector harness
- EVO4S: connect it to “Exp” connector

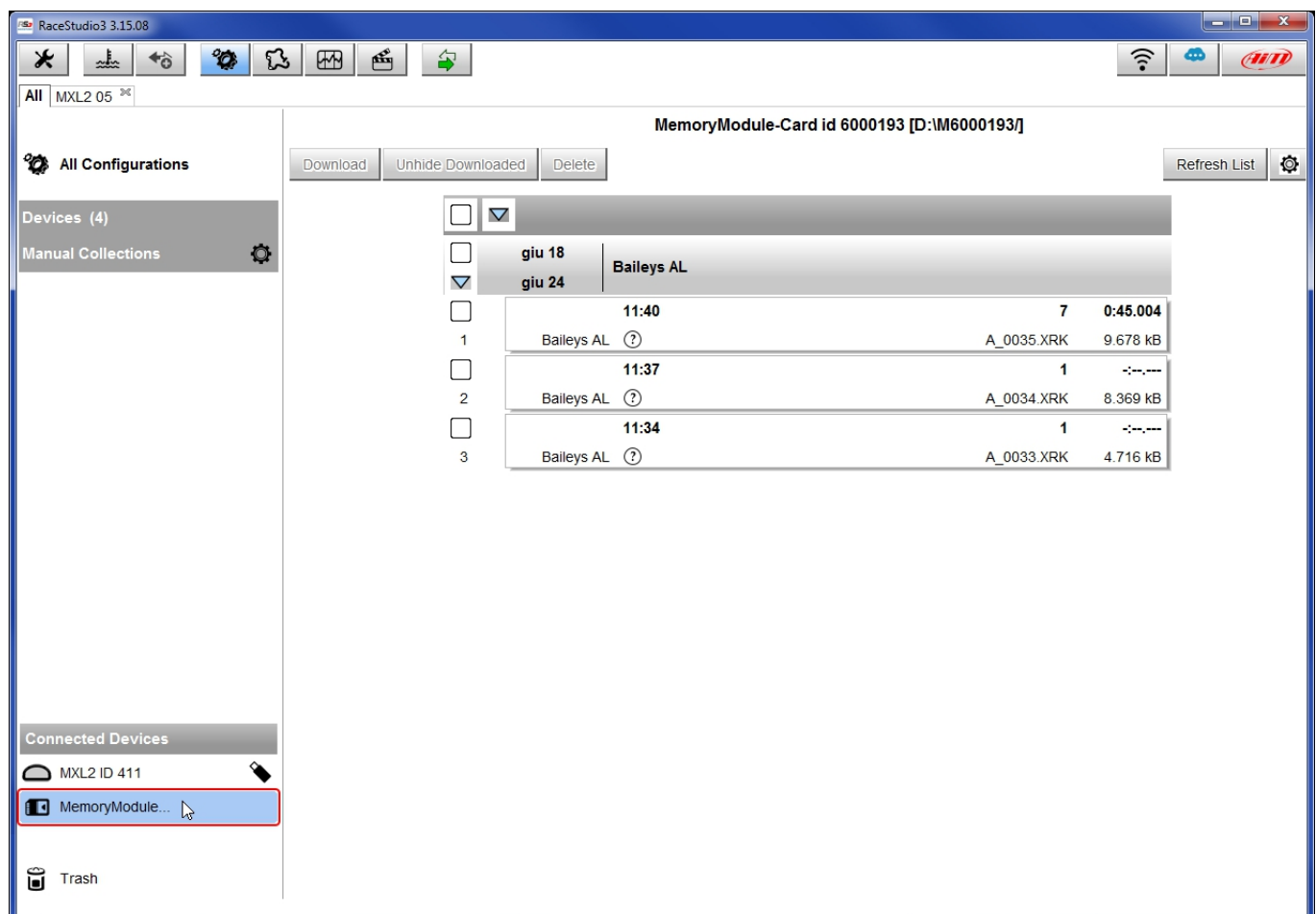
## 3 – How does Memory Module work

Memory Module stores data sampled by your AiM logger. No configuration is needed:

- just connect Memory Module to your AiM logger **before** it starts recording
- Memory Module and AiM logger store data simultaneously

When the session is over:

- get the SD card off the Module and place it in your PC SD slot
- run Race Studio 3 software
- click on the setting icon
- click on Memory Module (bottom left of the software page)
- “Download” page shows up: perform data download as for any AiM device



- click Analysis button to start analysing your data.

## 3.1 – Memory Module LED working mode

Memory Module features a front LED.

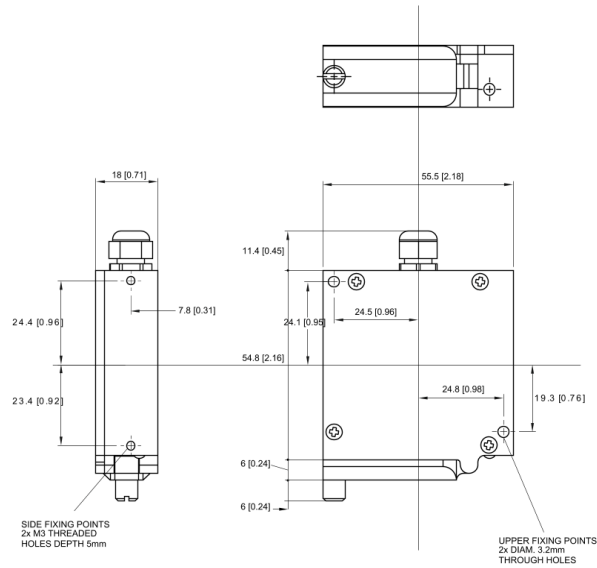


The table below shows its working mode:

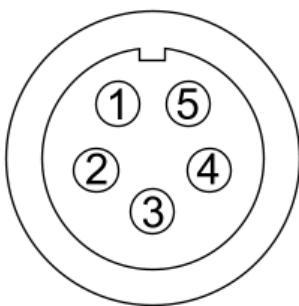
Led status	Meaning
Green Steady	Memory Module and Logger are recording
Green blinking 1 Hz	Memory Module connected to logger but not recording
Green blinking 3Hz	SD Missing
Red steady ->Red blinking 1Hz ->Green blinking 1Hz	FirmUp start ->writing -> done
Red steady ->Red blinking 1Hz	FirmUp Failed Solution: Disconnect Memory Module from the network, connect it directly to the logger, re-start FirmUp

## 4 – Dimensions, pinout and technical characteristics

The drawing here below shows the Memory Module dimensions in mm [inches].



Memory Module cable ends with a 5 pins Binder 712 male connector. Here below it is shown, front view, with its pinout.



### Binder connector pin

- 1
- 2
- 3
- 4
- 5

### Pin function

- CAN High
- GND
- +Vb
- CAN Low
- n.c.

Memory Module **technical characteristics** are:

- Max power consumption: 50 mA
- Cable length: 40cm
- Cable part number: **X08MMD040**
- SD Card: 4 Gb (in the kit). It supports up to 128 Gb.
- Dimensions: 55.5x78.3x18 mm
- Weight: 103g



- Waterproof: IP65