

# Vipec Memory Card Logger

Manual Version 1.0

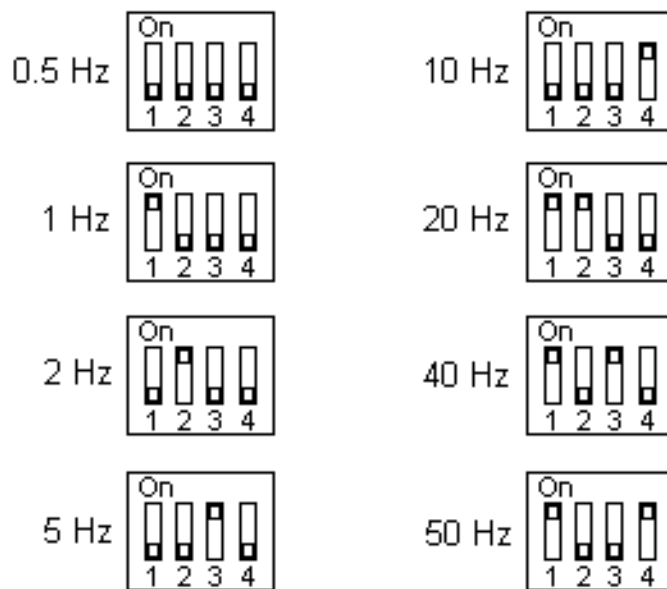
## Communication Settings:

Run Vipec software and set the baud rate to 57600, and the data stream mode to Requested Long. Press F4 to lock the changes in the ECU.

## Logging Rate:

Inside the Card Logger there is a set of four switches. These control the logging rate. Use the setting below to set the desired rate. The default setting when shipped is 10 Hz.

See the "Inside the Logger" section of this manual for switch location.

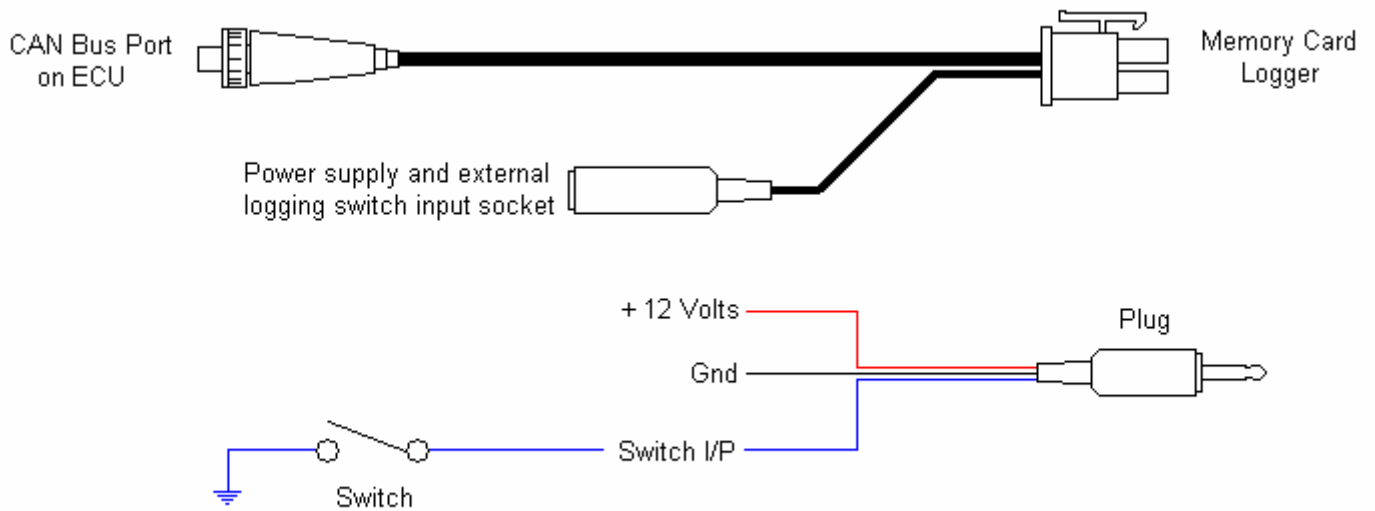


1 Hz = 1 Data Packet per Second

## Connecting the Cables:

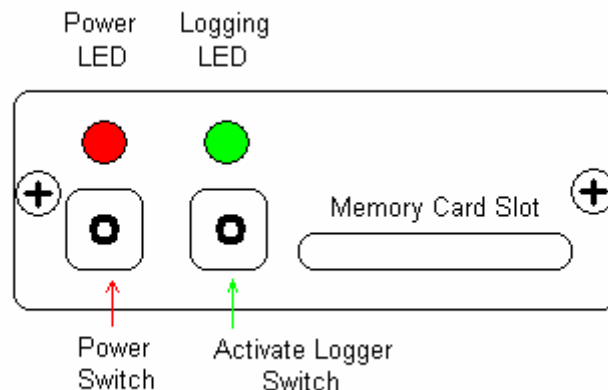
Connect the cable to the Vipec ECU CAN Bus port and the Card logger. If not using the internal battery connect the Red wire to +12 Volts and the Black to -12 Volts (Ground).

To activate the logger with an external switch connect the Blue wire to a switch as below. The logger can also be controlled by the ECU. To do this, connect the Blue wire to an Aux output on the ECU. Also fit the jumper inside the Card Logger. See the "Inside the Logger" section of this manual.



## Logging Data:

On the front panel of the Card Logger there are two switches and two LED. Left Switch is the power on switch. Right Switch activates the logging if not using an external switch.



Above these switches are two LED. The red indicates the power is on, the green that data is being recorded.

When the Logging switch is turned on the Green LED will take about two seconds to turn on. If this does not happen, then check for the following.

1. Memory card is in the slot.
2. Cable connected to Vipec ECU CAN Bus port.
3. ECU setup for 57600 baud rate and mode Requested Long.

Logging can also be controlled by an external switch or controlled by the Vipec ECU.

To stop logging, turn off the logger switch.

### **Viewing the data:**

Remove the card from the logger and insert into SD card reader.

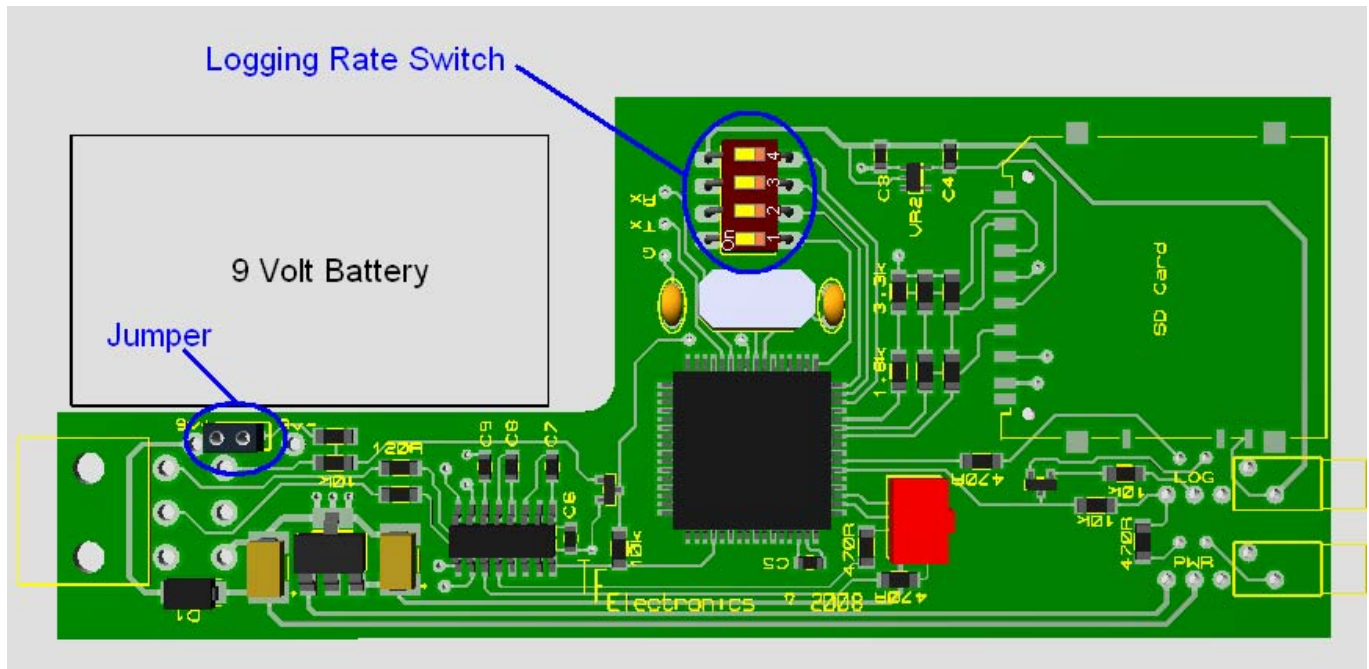
The data is saved in files with the name 1000.VDL. Every time a new data log is recorded a new file with higher number is created. Example: - 1000.VDL, 1001.VDL 1002.VDL, 1003.VDL etc....

If you delete the highest number file it will be recreated next time you log data. Deleting all the file will start from 1000.VDL again.

Run the Vlogger software and select the SD card drive and open the data log you require.

When the data is in view, you can then save the data to another file name in another location. Data can also be exported into an Excel CSV file.

## Inside the Card Logger:



## Card Logger Pin-out:

