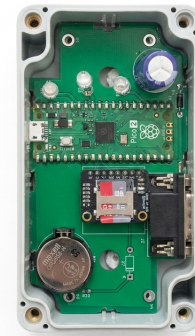


# DynoSure LoggerV1

DynoSure LoggerV1



Standalone CAN Data Logger with Raspberry Pi Pico 2

**Model:** LoggerV1 (Standalone CAN Data Logger)

The DynoSure LoggerV1 is a standalone CAN bus data logger designed specifically to capture CAN 2.0 traffic to onboard storage without requiring a connected PC during operations. It logs data in the industry-standard Vector ASC file format, avoiding restrictive closed ecosystems and vendor lock-in.

## Specifications

Parameter	Details
CAN Protocols	CAN 2.0A (11-bit ID), CAN 2.0B (29-bit extended ID)
Storage	Onboard microSD card (FAT32 filesystem)
Log Format	Vector ASC (standard ASCII format)
USB Interface	USB 2.0 (Mass Storage Device / Card Reader mode)
Power Modes	<ul style="list-style-type: none"> <li>• <b>Logging Mode:</b> Requires <b>+12V DC</b> external supply</li> <li>• <b>USB Mode:</b> USB-powered (acts as SD card reader)</li> </ul>
Firmware Update	User-programmable at customer end

## DB9 CAN & Power Pinout



DB9 Pin	Assignment
Pin 2	<b>CAN-L</b> (CAN Low)
Pin 3	<b>GND</b> (Power Ground)
Pin 7	<b>CAN-H</b> (CAN High)
Pin 9	<b>+12V DC</b> (Power Input)
Others	Not Connected

## Baud Rate Configuration

Bitrates are selected by creating a simple configuration.txt file in the root of the microSD card. The file should contain one of the following numbers:

Key Value	Resulting CAN Bus Speed
1	<b>500 kbps</b> (Standard default)
2	<b>1 Mbps</b> (High speed CAN)
3	<b>250 kbps</b> (Medium speed CAN)

## Operation Modes Summary:

- **Logging Mode:** Insert card, connect +12V power supply via Pin 9 and Pin 3 on DB9. Device starts logging automatically.
- **USB Mode:** Plug into PC via USB cable. Behaves as an external card reader to copy logs.

## Inquiries & Ordering:

Email: [dynosure.india@gmail.com](mailto:dynosure.india@gmail.com)

Mobile: **+91 9898204057 (Mukesh Patel)**