**CAN** Adapter


# Datasheet

**Version 1.0**
**Updated 04/09/26**

Hargrave
Technologies

hargravetechnologies.com


# 01 Specifications

| PARAMETER (UNIT) | | VALUE | NOTES |
|---|---|---|---|
| Supported Protocols | | SLCAN | — |
| Supported Bit Rates | (kbits/s) | 10,20,50,100,125, 250,500,800,1000 | — |
| CAN Output Voltage | (V) | 4.5 - 5.5 | Supplied internally. |
| CAN Output Current | (mA) | 150 | — |
| CAN Signal Common Mode Range | | 12 | CAN H / CAN L to CAN GND. |
| Maximum CAN Signal Differential Voltage | (V) | 5 | CAN H to CAN L, when termination is enabled. |
| Configurator Tool | | ✓ | — |
| Indication LED | | ✓ | Status and Data LED. |
| CAN Termination | | ✓ | Software-controlled termination resistor. |
| Galvanic Isolation | | ✓ | — |
| Dimensions | (mm) | 13 x 41.7 x 16.9 [0.51 x 1.64 x 0.67 in] | H x W x D |
| Weight | (g) | 6.18 [0.22 oz] | — |
| Input Connector | | USB-C | — |
| Output Connector | | 2x 4 pin JST GH | Single CAN network connected in parallel. |

# 02 General

## Getting Started

The Hargrave CAN Adapter provides a direct connection between a computer and compatible Hargrave ESCs and power supplies.

Once connected, devices can be configured, updated and diagnosed using the Hargrave Configurator.

The Hargrave Configurator Tool can be accessed via the link below:

**configurator.hargravetechnologies.com**

If any questions arise, we're here to help. Reach out directly to our support team at :

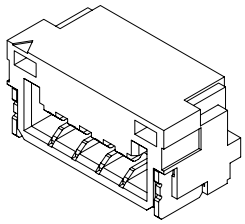
**contact@hargravetechnologies.com**

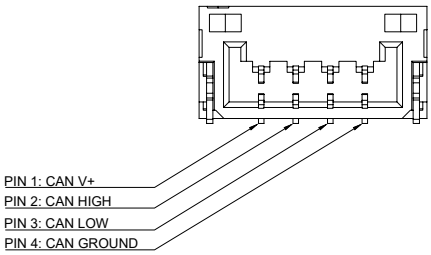
Do not connect to CAN bus networks that already has CAN power provided. The CAN adapter generates an isolated 5V rail internally and should not have current injected into the power pin.

# 03 Pinouts

## Control Signal - CAN

**SM04B-GHS-TB(LF)(SN)**
Mates to:
JST GHR-04V-S






The Hargrave CAN Adapter is purpose-built for ground-based ESC configuration and flight system testing. It is not intended for onboard integration into UAVs.

# 04 Revisions

| Revision | Date | Description |
|---|---|---|
| 1.0 | 06/08/2026 | Initial Release |

# 05 Disclaimer

This CAN Adapter datasheet is provided for informational purposes only. This product is designed and intended solely for ground-based ESC configuration and flight system testing. It is not intended for any onboard integration into UAVs or other applications in which a malfunction or failure may cause loss of life, injury or property damage, including but not limited to crewed aviation.

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Please consult Hargrave for guidance on the use of Product in applications other than UAVs.