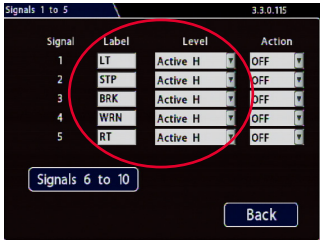
Configuring the Recorder (Signals)

1. Power up the recorder with a monitor and USB mouse connected, then right-click in Live view and select **Configuration**.
2. Select **Alarms & I/O → Signals** to open the Signals tab (*certain recorders or older firmware may utilize a different menu path; for more information, consult your recorder documentation*).
3. For Signals 1 through 5:
   a. Ensure the **Label** descriptions match the screen shot below.
   b. Ensure each **Level** dropdown menu is set to **Active H**.



4. Click, **Back** to save settings, then click **Back** again to return to the Configuration menu.

Specifications

Power Consumption	Standby: 10mA Active: 0.5A max.
Operating Voltage Range	9.0 to 36.0 VDC
Operating Temperature Range	-40 to 185°F (-40 to 85°C)
Enclosure Size	(W x L x H) 2.62" x 5" x 1.09" 6.7cm x 12.7cm x 2.8cm
Weight	0.25 lbs. (0.10 kg)

Service & Support

If the module needs to be returned for service, please contact the Safe Fleet technical support team, provide the part and/or serial # of your unit, and ask for a **Return Merchandise Authorization (RMA)** number.

An **RMA #** allows the support team to better track your product when it comes in for service. Please show the RMA # on the **outside** of the package.

ANY PRODUCT SENT WITHOUT AN RMA # MAY BE REFUSED!

Documentation and Warranty

Additional copies of this guide along with other documentation and product warranty can be found on the Safe Fleet Community website. Scan the QR code on the right with your mobile device, or visit : https://community.safefleet.net.

If you require access credentials, please contact Technical Support.

Technical Support

Phone: 1.844.899.7366
Email: PTsupport@safefleet.net

2002/96/EC (WEEE directive): This product cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return the product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points, for more information, see www.recyclethis.info.
2006/66/EC (battery directive): This product does not contain batteries.

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J1939 Interface Module (J1939-IM)

Quick Installation Guide

The J1939 Interface Module (IM) connects a recorder's Signals port to a vehicle's J1939 CAN-based network. It decodes programmed J1939 messages and sets its outputs to trigger recorder inputs to start and stop recording.

Information is subject to change without notice. For the latest product details and installation instructions, please visit the Safe Fleet Community at: https://community.safefleet.net.

Kit Contents

Check the package and contents for visible damage. If any components are damaged or missing, contact the Safe Fleet Service team and request an RMA (Return Material Authorization).

J1939-IM

- J1939 Interface Module (Part #: 032-1084)
- Fuse, 1A, 32V (Part #: 420-0009G)
- Fuse Holder (Part #: 470-0012G)
- Connector, Butt-splice (Part #: 444-0071G)
- Mounting Screws - #6x1½, Phillips, (Part #: 600-0022) *Qty 4*
- Signals Harness WT2-ST01
- Output Harness, 20ft./6.1m (Part #: 060-1299)
- Input Harness, 15ft./4.6m (Part #: 060-1301)*

* *Bluebird installations*: J1939 CAN Tap connector is Packard 150 Series Metri-Pack#12047662

Installation Environment

Mounting location: harness lengths

The module mounting location must allow for the following harness runs:

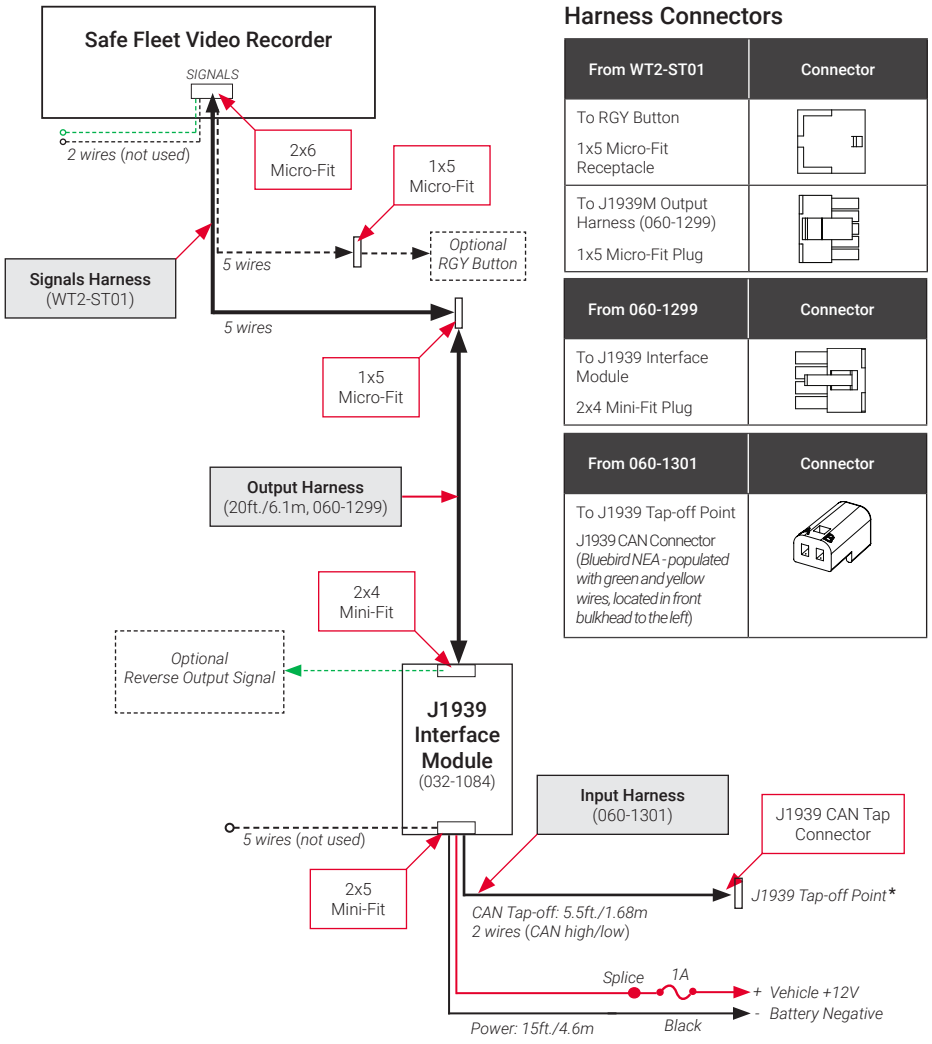
- Module to J1939 tap-off point: 5.5 ft./1.68m (CAN tap-off cable).
- Module to recorder: 20 ft./6.lm (Output harness)

For more information, see the Installation Diagram on page 2.

- Select a dry location inside the vehicle, away from water, moisture or excessive heat sources..
- Ensure the status LED remains visible (for details, see "Mounting the Module" on page 3).
- Install electrical wiring carefully. This should be done by qualified service personnel.
- Route wiring and cables away from sharp edges that might damage insulation. Avoid sharp bends in cables.

2023 | Part #: 700-1288 R2

Installation Diagram



Harness Connectors

From WT2-ST01	Connector
To RGY Button 1x5 Micro-Fit Receptacle	
To J1939M Output Harness (060-1299) 1x5 Micro-Fit Plug	

From 060-1299	Connector
To J1939 Interface Module 2x4 Mini-Fit Plug	

From 060-1301	Connector
To J1939 Tap-off Point J1939 CAN Connector (*Bluebird NEA - populated with green and yellow wires, located in front bulkhead to the left*)	

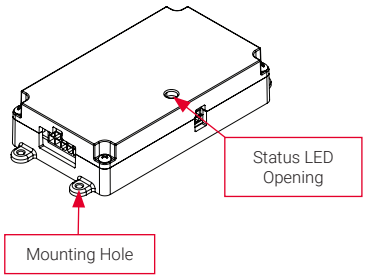
*The J1939 tap-off point and CAN tap connector are assigned by the OEM.

For NEA Bluebird installations: tap-off point is behind the driver's side access cover, above the windshield; J1939 CAN tap connector is Packard 150 Series Metri-Pack #12047662.

Fold Here

Mounting the Module

1. Follow the installation requirements on the front page to select a mounting location.
   - Verify harness run lengths to the J1939 tap-off point and the recorder, as shown in the Installation Diagram.
   - Ensure the status LED remains visible.



2. Secure the device to the mounting surface with the supplied mounting screws or velcro tape.
   - If you use mounting screws: *pre-drill 4 mounting holes and do not overtighten the screws*.

Wiring the Module

1. Connect the Signals Harness (WT2-ST01):
   a. Plug the 2x6 Micro-Fit connector into the recorder's rear-panel **SIGNALS** socket.
   b. Plug the 1x5 Micro-Fit connector into the 1x5 receptacle on the module's Output Harness (060-1299).
   c. If the optional RGY Button is used, connect the 1x5 Micro-Fit receptacle to the RGY Extension Harness. For more information, see the *RGY Button Quick Start Guide* (part #700-1233).
2. Plug the 2x4 Mini-Fit connector on the Output Harness into the 2x4 socket on the interface module.
3. If used, connect the Reverse Output Signal (green fly wire) to the appropriate circuit. If unused, cut off the wire at the 2x4 connector.

Wiring the Module *(continued)*

4. Connect the Input Harness (060-1301):
   a. Plug the 2x5 Mini-Fit connector on the Input Harness into the 2x5 socket on the interface module.
   b. Plug the J1939 CAN Tap Connector into the assigned CAN Tap-off point.*
5. Connect the module power:
   a. Connect the red power wire from the Input Harness to the 1A fuse holder using the supplied butt splice connector.
   b. Insert the fuse, and wire the fuse holder to 12V vehicle power.
   c. Connect the black wire from the Input Harness to battery negative.
6. *To connect the J1939 IM discrete output signals to other equipment*:
   a. Cut off the heatshrink and PVC jacket on the Output Harness's 20 ft./6.1m cable (060-1299) at the 1x5 Micro-Fit connector end.
   b. Splice into the desired wires without disconnecting the wiring to the 1x5 Micro-Fit connector.

   Wire colors and functions are described below:

Black	Left turn lights
Green	Red warning lights
Red	Brake light
Brown	Amber warning lights
White	Right turn lights

   Discrete Outputs are Active high. High Voltage is 8.5V minimum. Outputs can source 0.5A max.

Status Indicator

A green LED status indicator displays through a small opening on top of the interface enclosure, as shown above.

- **Off** — lower power mode/standby
- **Solid green** — wake-up/power-on
- **Flashing green** — receiving CAN message traffic