

# ETrack G70 Install Guide



## Parts

- G70 unit + 1 m 10-wire harness
- 4 mounting screws
- Battery (pre-installed)
- SIM card (pre-installed)

## Key Points

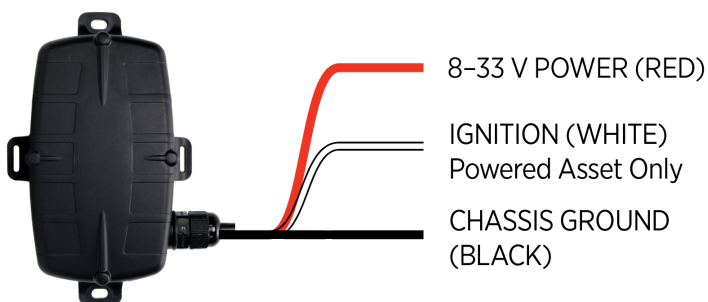
- Install with a clear view of the sky from the horizon up
- Extra-long battery life while maintaining frequent ping rates
- Holds max. 48000 records in memory

**SPECIAL EXEMPTION:** This device contains internal fusing protection. **External fuses are NOT required for this device.**

## Installation for a POWERED Asset: Red wire to AUX Power; White Wire to Ignition (IGN)

Typically, a powered Asset is a vehicle, or piece of heavy equipment (eg. backhoes, bulldozers, pumps), industrial generators, something with its own engine. A powered Asset has its own ignition switch.

1. Verify power and ground from the supply (vehicle battery power, or onboard power source).
2. Connect the **Red** wire (power input) to a constant 8–36 V DC power source.
3. Connect the **White** wire to the Asset's IGN. The White ignition input will register as 'on' when > 2.2V is applied to this line. Ensure that power is only available when ignition is ON.
4. Connect the **Black** wire to the chassis ground.



## Installation for an UNPOWERED Asset: Red wire to AUX Power

Unpowered Assets (such as trailers or small cranes) generally don't have their own power, but draw power from a separate

**source** – most often from the vehicle towing the Asset, or from a portable generator feeding other Assets.

1. Verify power and ground from the supply (vehicle battery power, or remote power source).
2. Connect the **Red** wire (power input) to a constant 8–33 V DC power source.
3. Connect the **Black** wire to the chassis ground.

## Check

This checks for faults, or connectivity issues, before mounting.

1. Place the unit in the approximate install spot.
2. Go to <https://www.oemserver.com/installer> and enter the unit's serial number: click **Find**.
3. If you see green ticks down the report, the unit is operating correctly.
4. If problems occur, contact EROAD.

## Pinouts

3\* x digital inputs with configurable pull-up/down.

- 0–48 V DC input range.
- Pull-up enabled: low at 0.4 V, high at 1.9 V
- Pull-down enabled: low at 0.8 V, high at 2.2 V

\* **Digital Input 3 pin shared with Driver ID. Incompatible with Wiegand or TTL readers.**

1 x dedicated Ignition digital input

- 0–48 V DC – 2.2 V on/off threshold. Can be used as a digital input if not required

Pin#	Colour	Function	Notes
1	Red	Voltage Input	8-33 V DC External power
2	Black	Ground	Main Ground
3	White	Ignition	0-48 V DC, 2.2 V on/off threshold
4	Blue	Digital Input 1	0-48 V DC, configurable pull down
5	Pink OR Orange	Digital Input 2	0-48 V DC, configurable pull down
6	Brown	Driver ID 1	iButton Data / Wiegand D1 / TTL TX
7	Purple	Driver ID 2	Digital input 3 / Wiegand D0 / TTL RX
8	Green	Switched Ground Output	Low side Switch. Use with a relay, LED or buzzer
9	Yellow	Analog input	0-40 V
10	Grey	Ground	

## Mounting

- While it should be OK in-cab, try and mount the unit with a clear, line-of-sight view to the sky, with the unit's topside facing upwards/outwards.
- Cable length should reach the power connection and ignition source (if present).
- Do NOT cut the cable for length; coil it, cable-tie it, stow it. Position the unit to reduce exposure to elements, grease or chemicals, heater vents or exhausts, and without impairing the operator's vision or movement, or interfere with moving parts.
- If outside, orient the cable-end away from rain or splash direction.

## Photo Confirmation

Installers are encouraged to photo-document their work – through dedicated apps like vWork, bespoke configuration apps, or general cameras – to assist in supporting work order documents. Any digital camera may be used for 2 or 3 images per site, but images must:

- Show the device clearly, mounted in place, oriented appropriately.
- Show connections and wiring secure and tidily managed.
- Indicate the environment in which the device is installed (its position in the cab, or on the asset).
- You may also wish to note the vehicle make/model for future reference.

**⚠ Photos are evidence of a compliant install.** They protect EROAD's and the Installer's liability, should a future 3rd party or incident affect compliance integrity.

## Health and Safety

This device is considered low-risk for technicians to install. However, the Installer must address any other risks in their work environment. If appropriate, wear Personal Protective Equipment (PPE), such as safety glasses, safety shoes, work gloves, hard hat, high visibility vest, etc.

Avoid fitting EROAD-supported equipment in locations that could impede or cause injury to people. This includes potential head strike zones on the windshield or dashboard, airbag deployment locations, seatbelts, and other safety-relevant devices.

After installation, check that all other safety-relevant equipment continues to work properly.

While EROAD-supported devices are comprehensively tested against corrosion and ingress, devices are not invulnerable to water, fire or impact damage, and certain devices are not able to be environmentally shielded. Do not subject EROAD-supported devices to extreme heat, high-pressure water force or other intense physical forces. Operating temperatures for the equipment related to this guide are found in the specifications.

Installers must ensure they fully understand these instructions before installing an EROAD-supported device and immediately seek advice from a Regional Installation Manager on any matter that is not understood.

## Legal

EROAD equipment must be installed by, in Australia, an authorised EROAD installer and, in New Zealand, an accredited EROAD installer (both an "Installer"). This installation guide sets

out the minimum installation requirements that Installers must meet when installing EROAD equipment.

## Specifications

<b>Dimensions</b>	126 x 80 x 27 mm (4.96 x 3.15 x 1.06 in)
<b>Voltage</b>	8-33 V DC (max)
<b>Battery</b>	3.7 V 1100mAh internal LiPo
<b>Fuse Type</b>	Internal PTC 3A reverse protection diode
<b>Power Consumption</b>	≈50 mA when moving + ≈60 mA while internal battery charging  Device enters sleep mode when vehicle is inactive to prevent battery drain
<b>Ingress protection</b>	IP67



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