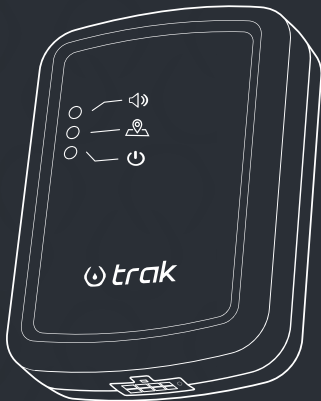




**Advanced Fuel Security,**  
Empowering Your Business



User Manual

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## **Trak Receiver**

A Multi-Purpose Communication  
Gateway for Fuel Security

## TR50 Trak Receiver



### LED Indications

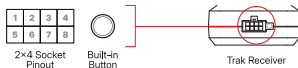
-  Channel 2 – Siren  
(Cap Open/Close and Tamper)
-  Channel 1 – GPS Tracker  
(Cap Open/Close)
-  Power

• **Receiver** is mounted near the fuse panel inside the cabin.

• **Smart Fuel Cap** connects to the Receiver via wireless communication.



## Connector Pinout Scheme



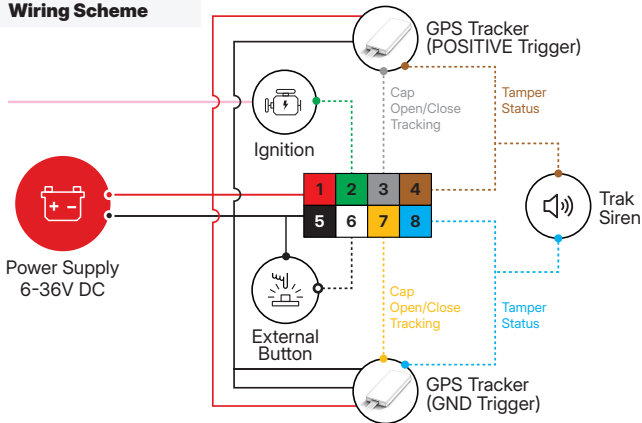
|   |                  |                       |
|---|------------------|-----------------------|
| 1 | Red<br>6-36V DV  | Power Supply          |
| 2 | Green<br>DIN 1   | Ignition Input        |
| 3 | Gray<br>DOUT 1   | Channel 1 Positive    |
| 4 | Brown<br>DOUT 2  | Channel 2 Positive    |
| 5 | Black<br>GND     | Ground                |
| 6 | White<br>DIN 2   | External Button Input |
| 7 | Yellow<br>DOUT 3 | Channel 1 Ground      |
| 8 | Blue<br>DOUT 4   | Channel 2 Ground      |

Channel 1: Recommended for GPS Tracker (cannot be silenced)

Channel 2: Recommended for Siren (can be silenced)

All digital outputs (DOUT) support max. 0,5 A DC.

## Wiring Scheme



### IGNITION

If ignition is detected, Channel 2 is deactivated.

### EXTERNAL BUTTON / BUILT-IN BUTTON

Pressing the button deactivates Channel 2 for 20 minutes.

### TAMPER DETECTION

If tampering is detected, Channel 2 is activated for 5 seconds, except during the first 30 seconds after the cap is closed.

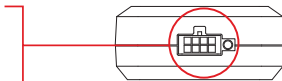
## Pairing Mode

|   |   |   |   |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |

2×4 Socket  
Pinout



Built-in  
Button



Trak Receiver

1

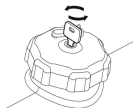
To start a 3-minute pairing session, power on the Receiver while pressing and holding the button. The green LED will blink throughout the session.

Built-in  
Button



2

Insert the key and turn it counterclockwise to unlock the cap.



4

Without removing the cap, rotate it left and right at least 5 times within 10 seconds.



Once pairing is successful, the cap light will flash several times, and the Receiver will emit a buzzer alert.

### NOTES

During the pairing session, the receiver will not provide any indication of whether the smart fuel cap is open or closed.

If you have two smart fuel caps to pair, repeat steps 2 and 3 for each cap during the pairing session.

Smart fuel cap should be placed on a metal fuel tank neck during pairing session.