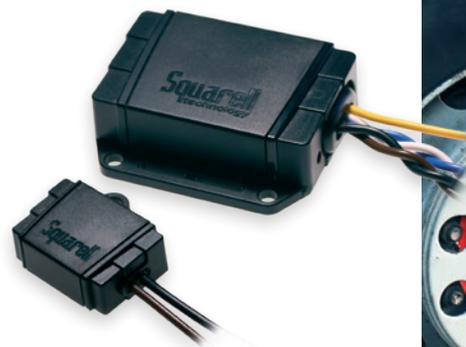


reliable vehicle data



The Trailer ID system transmits trailer data to the truck's fleet system for identifying the couple status of the trailers in the fleet.



# Trailer ID

## Get vital data from the trailers across the entire fleet



With the Trailer ID system, you can check if the correct trailer is connected to the truck. The system consists of two devices: one Sender (located in the trailer) for sending the trailer ID and one Transceiver (located in the tractor unit) for receiving the ID data. In combination with a fleet management system, you can get various information about the trailer. For example, the coupling and uncoupling time, the GPS location and the utilisation or cargo of the trailer.

### The Trailer ID system is compatible with CAN-based truck brands

The Trailer ID system uses existing wires in the vehicle and is compatible with the Fleet Management System Interface standard SAE J1939. Therefore, it is easy to connect the system to the FMS interface of all truck brands or other CAN-based telematics systems.\*

The Trailer ID system is ready to connect to Squarell's vehicle data interfaces with a plug-and-play installation.

### The benefits of the Trailer ID system

- Brand independent solution for the entire fleet
- Suitable for any truck/trailer combination
- Quick non-intrusive installation using existing wiring
- Low power consumption ( $\pm 20$  mA)
- Low maintenance (no batteries necessary)

\*Note: Squarell supports most trucks and trailers, but check support. [squarell.com](http://squarell.com) for info about exceptions or contact our account managers via [sales@squarell.com](mailto:sales@squarell.com).

**Support for up to 20 trailers on one road train**  
The Trailer ID system supports trailer configurations such as long vehicles, dolly pulls, or road train rigs. Up to 20 trailers can be identified in one road train.

## How the system sends and receives trailer data

### Trailer ID Sender

The Sender is a tiny device installed inside the rear light cluster of the trailer. The Sender has two wires: one connected to the ground wire and one to the brake signal wire.



### Trailer Data Transceiver

The Transceiver is a small smart device installed in the tractor unit. A sense wire is connected to the break light wire; two wires for power supply and two CAN J1939 wires for the Trailer ID signal output.

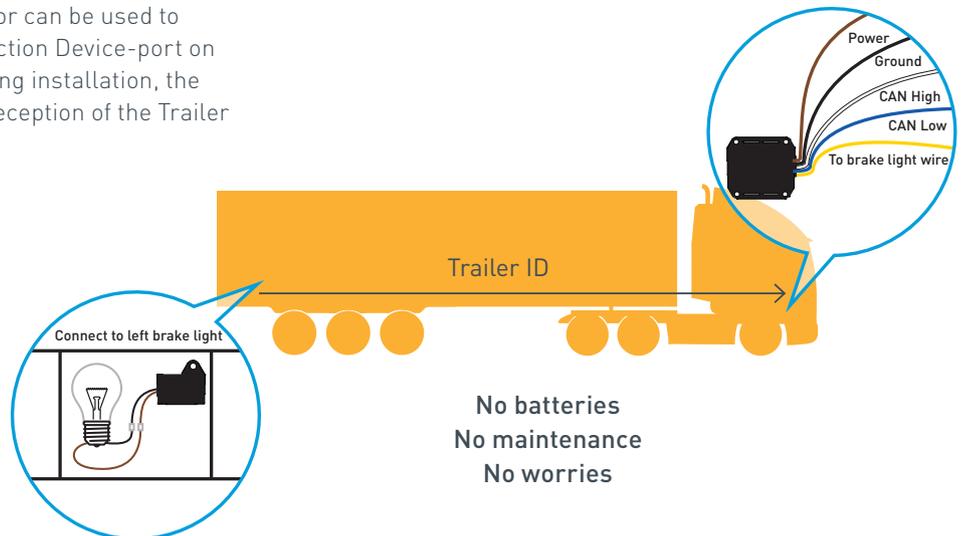


### Trailer couple and uncouple messages

When the trailer is coupled to the tractor, the ID Sender sends the trailer ID message to the Transceiver. If the trailer is uncoupled, the system sends a "disconnected" message to the Transceiver.

## Quick installation

Connecting the Trailer ID Sender to the brake light is quick and easy thanks to the pre-crimped connectors. The Transceiver unit comes with tractor specific installation instruction from Squarell to ensure correct installation. If the truck is equipped with an interface device from Squarell, a special transceiver connector can be used to plug the connector into the Special Function Device-port on the Squarell device. To test signals during installation, the Trailer Data Transceiver confirms the reception of the Trailer ID signal via an LED.



## The Trailer ID is part of the Squarell Trailer Data system

The Trailer ID is just one function in a wider range of solutions available in the Squarell Trailer Data System. We can help you with a bespoke solution, for example, temperature measurement, door security or cargo data solutions.



### Order information

**8485-037** Trailer ID

**8544-10** Trailer Data Interface including LED load balancer

**8545-680** Trailer Data Interface with SFD connector including LED load balancer

**8546-680** Trailer Data Interface with JAE crimps including LED load balancer

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