

Prevent Vehicle Roll-Aways with **SafeConnect**

A New Era of Trailer Safety

A safe, practical & reliable solution for trailer coupling

Call us on: +44 (0)161 429 1580
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SAFECONNECT





An Industry Wide Problem

The coupling of a tractor unit and trailer is carried out by commercial vehicle drivers hundreds of times a year. Yet this seemingly innocuous task, which takes but a few moments to complete, is fraught with danger and is responsible for a huge number of accidents.

In the few moments it takes to complete the coupling procedure, a driver is exposed to potential rollaway incidents and even crushing between tractor unit and trailer whilst on the catwalk.

Such accidents are caused by the inadvertent release of the trailer parkbrake, which can occur if the correct safety protocols have not been adhered to.

Often trailers are parked on the emergency brake by simply disconnecting the emergency redline, rather than correctly applying the trailer parkbrake. Consequently, when a tractor unit re-couples up to the trailer, if the handbrake has not been correctly engaged, the entire vehicle is left in a condition without any brakes applied.

Health & Safety in Transport

The HSE report that the Haulage & Distribution industry is one of the most dangerous and hazardous areas in which to work, with a higher rate of accidents (per employee) than even agriculture or construction.

Employers have an obligation to ensure that safe coupling procedures are both in place and being correctly administered. In the event of serious accident or fatality, if operators are not seen to be correctly enforcing health & safety guidelines or are failing to take sufficient precautions against accidents, they could be prosecuted and even fined.

The HSE themselves advise operators to focus on practical control and improvements - most workplace accidents are avoidable and certainly in the case of managing coupling safety, this can be achieved by simply controlling the risk, SafeConnect can help you do just this.

90% of drivers would welcome a safety device that prevents crushing & runaway incidents.

SafeConnect - The Solution

SafeConnect from Maple Fleet Services, ensures that a trailers braking system is permanently applied throughout the coupling process.

A pneumatic valve mounted underneath the trailer at a point close to the fifth wheel, SafeConnect blocks airflow to the trailer via the emergency line, ensuring tractor & trailer cannot inadvertently move whilst the driver is away from the cab. Only once the driver has depressed the vehicle brake pedal, will air be released down the redline and in doing so return normal braking functionality.

There are no additional procedures for the driver to remember or action, they simply continue about their usual coupling procedure.

SafeConnect - Key Features

- Pneumatic valve blocks airflow to the emergency redline until coupling completed
- Protects driver against potential crushing on the catwalk when connecting the service line
- Prevents trailer roll-away incidents caused by inadvertent release of trailer brakes
- An automatic setting safety feature
- Drivers do not need to carry out additional procedures
- Trailer brakes cannot be released until the driver has returned to the cab and depressed the brake pedal
- Manual override facility built-in
- Assists operators in meeting legal shunting requirements
- A highly robust & reliable system
- Optional extra: For trailers with EBS SafeConnect can be upgrade to prevent vehicle movement until the EBS line has also been securely connected



SafeConnect IQ - Intelligent Trailer Immobilisation

For security conscious operators who require enhanced control over their trailers, SafeConnect can be upgraded to the Maple IQ platform to offer a comprehensive safety & security application.

A sophisticated, user-friendly access control solution, the system allows operators to control who can connect up to and physically move trailers, thus eliminating unauthorised movements. SafeConnect IQ records information such as who, when and even where the trailer was coupled, whilst our innovative Insight IQ platform even allows operators to remotely authorise trailer movements.

In Operation

Once the trailer is ready for collection the usual coupling procedure is carried out, before returning to the cab the driver simply presents their authorised RFID fob to the cube display. The brakes will remain locked until the driver is safely in the cab and has depressed the brake pedal, thus ensuring they are in complete control of the vehicle throughout the entire coupling process.

In the event that an attempt is made to move the trailer without showing an authorised RFID fob, the SafeConnect valve will not release, ensuring trailer brakes remain safely locked on.



Key Features

- Trailer Immobilisation - Prevent unauthorised trailer coupling
- Automatic setting immobiliser upon removal of service lines
- Control exactly who has the authority to move trailers
- Automatic audit trails for trailer movement, recording who, when and even where the trailer was coupled
- Information can be viewed and interrogated through Insight IQ software in real-time
- Remotely authorise trailer movements
- For emergency trailer movements secure PIN number access can be enabled

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