

Built on WABCO
Technology



SmartBoard

Trailer Information and Operation Panel



SmartBoard – Enhanced trailer control for safer operation



The ability to monitor and operate a range of trailer functions and conditions is key to improve efficiency on the road and reduce fleet operational costs. SmartBoard integrates a wide range of monitoring devices that previously had to be separately mounted into a “single box” multi-functional system.

Easy-to-access, easy-to-use, SmartBoard is available both in a standard and ADR version also for use with vehicles carrying dangerous goods.

Operational Benefits

- Provides trailer functions operation and information in a single, logically configured system
- Installation flexibility with two mounting angles
- Standard and ADR versions covering a wide range of vehicles
- Simple user-friendly eight button control pad providing improved usability thanks to an intuitive menu structure and an icon oriented display
- Optical warning for safety-related functions with user-defined parameter settings
- Self-adapting display preferences based on usage patterns
- Trailer information including braking system error codes always available even if the trailer is uncoupled for driver and maintenance planning convenience
- Comes with 18 pre-programmed languages
- Compatible with ZF’s Trailer EBS E (from version E4 onwards), iEBS and iABS
- Wide range of Intelligent Trailer Program functions accessible through SmartBoard if appropriate trailer equipment or sensors are installed

SmartBoard Functions



Messages

Diagnostic and system messages providing essential information about the operating status of trailer functions avoiding the need for workshop visits



Vehicle Inclination

Provides vehicle inclination degree (includes a warning threshold)



Load Monitoring

Axle load data function displaying both load and overload information for accurate, efficient trailer loading and safe operations



Immobilizer

Entry function for locking and unlocking trailer brakes via PIN code locking system



Tire Monitoring

Detailed tire condition information, such as target and current tire pressures (requires ZF's OptiTire® Tire Pressure Monitoring System) to help keep tires operating at optimum efficiency and to reduce wear and maintenance costs



Mileage Counter

Automatic mileage display through an independent and veritable mileage counting (even without EBS socket plugged)



Lining Wear

Brake lining wear information (i.e. need to replace pads or not) enabling safe operations while avoiding the need for expensive repairs



Additional Functions

Extensive additional functions such as System Information and Trailer Information



Advanced Braking Functionalities

Control of advanced braking functions such as Bounce Control, Finisher Brake or Brake Release supporting a wide range of applications



Free Configurable Switches

Programmable switches for specific on-demand functions (customized icons can be provided)



Air Suspension

Operation of ZF's chassis/lift axle lifting and lowering functions (e.g. OptiTurn®, OptiLoad®, Traction Help) with no need for an additional device for ECAS utilization



Language

Easy switching between 18 pre-programmed languages

Intelligent Trailer Program

It's what's inside that counts.

Advanced Safety

- Anti-Lock Braking Function
- Bounce Control
- Electronic Park Brake **
- Emergency Brake Alert
- Rollover Stability Support
- Router & Repeater
- TailGUARD®
- TiltAlert
- SafeStart

Operational Efficiency

- Advanced MultiVoltage
- Battery Control
- Brake Pad Wear Indicator
- Immobilizer
- Memory Level
- Notebook Memory
- Operating Data Recorder
- OptiLevel®
- OptiLink® ***
- OptiTurn®
- Return-to-Load Level
- SCALAR EVO Guard
- SCALAR EVO Pulse
- SCALAR Software Services
- ServiceMind
- Trailer Extension Control

Driver Comfort & Effectiveness

- Brake Release
- Finisher Brake
- Optimum Traction*
- Return-to-Ride Level
- Traction Help
- Trailer Length**

Load Optimization

- Air Bellows Protector
- Forklift Control
- OptiLevel® 2-Point Control
- OptiLoad®
- Overload Indicator

Fuel & CO₂ Reduction

- Fuel Saving Suspension
- Lift Axle Control
- OptiFlow® AutoTail
- OptiFlow® Tail
- OptiFlow® TrailerSkirt
- OptiTire®

intelligenttrailer.com

Intelligent Trailer Program functions which are accessible via SmartBoard if appropriate trailer equipment or sensors are installed

All functions only available upon region, product availability and TEBS/iEBS compatibility

* only available with iEBS | ** only available with TEBS-E | *** only available with TEBS-E in regions without requirements for UN ECE-R 156 regulation [SUMS] and/or UN ECE-R 155 [cybersecurity]

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About ZF

ZF, which acquired WABCO in Spring 2020, is a global technology company supplying advanced mobility products and systems for passenger cars, commercial vehicles and industrial technology. Its comprehensive product range is primarily aimed at vehicle manufacturers, mobility providers and start-up companies in the fields of transportation and mobility. ZF electrifies a wide range of vehicle types. With its products, the company contributes to reducing emissions, protecting the climate as well as enhancing safe mobility. Alongside the automotive sector – passenger cars and commercial vehicles – ZF also serves market segments such as construction and agricultural machinery, wind power, marine propulsion, rail drives and test systems.

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