



## Safe lions: Numerous assistants for MAN Trucks

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- **Pedestrian and cyclist detection offers protection for vulnerable road users**
- **EBA also detects crossing road users**
- **Automatic recognition of traffic signs and speed information takes the strain off the driver**
- **Reversing motion system with camera in the rear area makes manoeuvring and coupling safer**

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MAN Truck & Bus offers many new assistance systems that have already been available since model year 2024. Some of these will become mandatory in accordance with Regulation (EU) 2019/2144 as of 7 July 2024. The comprehensive portfolio – available depending on the model series, emission standard and availability – includes FrontDetection and the turning warning system, which protect pedestrians and cyclists in particular. Emergency Brake Assist and other technologies such as Blind Spot Warning and Turn Assist also contribute to the protection of vulnerable road users.

**FrontDetection** defuses critical situations in urban traffic, such as when pedestrians or cyclists are moving in areas in front of the vehicle that are difficult to see. In moving-off situations and at low speeds of up to 10 km/h, the system, which can also be deactivated, detects these road users and issues a visual and acoustic warning in the MAN truck.

At the same time, the new safety function is incorporated into the third-generation warning and braking strategy of the MAN **Emergency Brake Assist (EBA)**: From 10 km/h, it also detects other road users who are not directly in the lane ahead of the truck, but who could potentially cross them, warns in the event of an imminent collision and, if necessary, initiates autonomous emergency braking to a standstill.

Another potential lifesaver in urban traffic: The **MAN Turn Assist** secures the co-driver's side almost 180° in the speed range below 30 km/h, monitors hard-to-see areas using two radar sensors positioned one above the other and offers a three-stage warning cascade via visual and acoustic signals.

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of about 14.8 billion euros (2023). The company's product portfolio includes vans, trucks, buses/coaches and diesel and gas engines along with services related to passenger and cargo transport. MAN Truck & Bus is a company of TRATON GROUP and employs approx. 33,000 people worldwide.



This can help to prevent hazardous situations and the driver can react in good time to possible collisions, for example with pedestrians or cyclists, when they approach the blind spot. The MAN Turn Assist is available for MAN TGX, TGS and TGM.

The **"Assist"** quick access button provides intuitive operation and menu navigation. Depending on the equipment, it is located on the multifunction steering wheel or in the instrument panel to provide quick and central access to all assistance functions. Functions such as the blind spot warning system with lane change support and turn assist or the MAN CruiseAssist long-haul transport assistant can be called up easily without using menu detours.

**Traffic Sign Recognition** relieves the driver: Without worrying about possibly overlooking applicable restrictions, he can concentrate entirely on the driving task thanks to the reliable detection of currently valid specifications in real time. Certain displays such as overtaking restrictions are only possible with the MAN Navigation Advanced media system or MAN Navigation Professional media system.

**The tyre pressure monitoring system (TPM)** issues a warning if the tyre pressure deviates from the vehicle and application-specific target pressure. This information, which can also be called up while driving, helps the driver to always maintain the correct tyre pressure – and thus also reduces consumption. The also integrated tyre temperature display helps to prevent tyre bursts and fires with its overtemperature warning. The TPM also monitors the trailer tyres if the trailer has a corresponding interface.

A further contribution to preventive road safety is provided by the preinstallation for the connection of an alcohol tester, which measures the alcohol content in the breath and only allows the engine to be started if the driver is fit to drive. **The ex-works preparation for the alcohol interlock**, which can currently be optionally bridged, saves time-consuming and costly retrofitting. The alcohol tester can be easily connected there in service.

Since restricted visibility to the rear can be challenging even after many years of professional practice when reversing with long combinations, the **Reversing Motion System** provides support – in the form of an image provided by a camera in the rear area. It is automatically shown on the display of the entertainment system when reverse gear is engaged and can also be activated manually at any time using a button in the instrument panel. This means that the driver can always keep an eye on people and objects behind the vehicle from behind the wheel. The reversing motion system also makes coupling operations much easier.

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The **MAN AttentionGuard** attention warning system cannot be deactivated. Within the system limits, it helps to prevent accidents by detecting an unsafe driving style and warning the driver visually and acoustically. MAN AttentionGuard continuously evaluates the driver's lane stability and steering interventions. The warning can also be issued without crossing the lane markings if the system detects a decrease in the driver's attention – even before the driver even notices the impending fatigue.