

Media information
10 November 2023

Level 3 highly automated driving will be possible in the new BMW 7 Series from next spring.

+++ Highly automated driving as a new option for customers in Germany +++ For the first time, the vehicle takes over the task of driving in full – including in the dark +++ New hands-free function means drivers can switch to other in-vehicle activities while travelling at up to 60 km/h (37 mph) +++

Munich. Level 3 highly automated driving, which allows drivers to take their hands off the steering wheel and temporarily divert their attention away from the road, will soon be available in the new BMW 7 Series. **BMW Personal Pilot L3** is the name of the new function that relieves the person at the wheel of the task of driving in certain situations and controls the car's speed, distance to the vehicle ahead and lane positioning for them. This new option can be ordered **for the new BMW 7 Series** (excluding the i7 eDrive50 and i7 M70 xDrive)* from December to be fitted in vehicles from next March.

Designed to assume the entire task of driving with **Level 3 capability as defined by the Society of Automotive Engineers (SAE)**, the highly automated driving function will be offered exclusively in Germany priced at 6,000 euros (incl. VAT).

This innovative technology allows drivers to redirect their focus to other in-vehicle activities when travelling at up to 60 km/h (37 mph) on motorways with structurally separated carriageways. Thanks to its particularly sophisticated sensors, this is the first system of its kind that can also be used in the dark.

The introduction of Level 3 functionality in BMW 7 Series models will make the **BMW Group the first carmaker to offer both an advanced Level 2 driving function in its product portfolio where the hands can be taken off the steering wheel and positioned comfortably and a Level 3 system.** The **BMW Highway Assistant** already offers a highly innovative **SAE Level 2** partially automated driving function **in all new BMW 5 Series models.** The package also includes a unique feature in the form of the Active Lane Change Assistant with eye confirmation. This function is primarily designed for use over long-distance journeys in the new **BMW 5 Series**, allowing the driver to adopt an extremely relaxed posture behind the steering wheel. When travelling at up to 130 km/h (81 mph), this additional function of the Steering and Lane Control Assistant can take control over the car's speed, the distance to the vehicle in front and the car's steering.

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*The BMW Personal Pilot L3 is only available in conjunction with the relevant BMW Connected Drive services. The period of validity for these services is two years.

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The crucial difference between Level 2 and Level 3 is that with Level 2 (partially automated driving) responsibility continues to lie with the driver at all times. Whenever the **BMW Highway Assistant** is in use, drivers must watch what is happening on the road and be able to take over the task of driving again at all times. This is continuously monitored using an intelligent attentiveness camera.

The **BMW Personal Pilot L3** for Level 3 highly automated driving in the BMW 7 Series gives drivers the option of concentrating on **secondary in-vehicle activities** away from what is happening on the road. In a BMW 7 Series with the BMW Personal Pilot L3 activated, customers will be able to **edit e-mails**, for example, or engage more deeply in telephone calls while travelling at up to 60 km/h (37 mph). They can also use **digital services for e.g. streaming videos from various providers** on the central display during a journey. This makes the new BMW Personal Pilot L3 the ideal solution for making good use of time spent in slow-moving traffic or tailbacks during daily motorway commutes.

Symbols appear on the display behind the steering wheel as appropriate to indicate whether the **BMW Personal Pilot L3** is available. It is activated and deactivated by a button on the steering wheel. When the function is being used, the customer still has to be ready to reassume the task of driving at any time – i.e. as soon as the situation on the road requires them to or the stretch of road suitable for using the BMW Personal Pilot L3 comes to an end. Visual and acoustic signals let the driver know they have to take over control once more. If the driver does not respond as required, the vehicle is brought to a controlled standstill.

The live HD map with precise routes is permanently aligned with extremely accurate GPS location-finding and works with 360° sensors to ensure exact positioning and monitoring of the area around the vehicle. The live HD map is always up to the minute thanks to regular updates. In the new BMW 7 Series, this functionality is underpinned technologically by a new software stack, a powerful computing platform and a 5G link-up to the BMW Cloud. Besides the cameras, vehicles specified with the BMW Personal Pilot L3 are also fitted with latest-generation ultrasonic sensors and radar sensors and a **highly sensitive 3D lidar sensor** for monitoring the area around the vehicle and the situation on the road.

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This package of technology means that the **BMW Personal Pilot L3** works very reliably even in the dark. These various qualities are unmatched by any rival. SAE Level 3 automated driving helps improve both comfort and safety on public roads.

BMW i7 M70 xDrive:

Power consumption in kWh/100 km combined: 23,8 – 20,8 WLTP.

BMW i7 eDrive50:

Power consumption in kWh/100 km combined: 20,3 - 19,1 WLTP.

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The BMW Group

With its four brands BMW, MINI, Rolls-Royce and BMW Motorrad, the BMW Group is the world's leading premium manufacturer of automobiles and motorcycles and also provides premium financial and mobility services. The BMW Group production network comprises over 30 production sites worldwide; the company has a global sales network in more than 140 countries.

In 2022, the BMW Group sold nearly 2.4 million passenger vehicles and more than 202,000 motorcycles worldwide. The profit before tax in the financial year 2022 was € 23.5 billion on revenues amounting to € 142.6 billion. As of 31 December 2022, the BMW Group had a workforce of 149,475 employees.

The success of the BMW Group has always been based on long-term thinking and responsible action. The company set the course for the future at an early stage and consistently makes sustainability and efficient resource management central to its strategic

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direction, from the supply chain through production to the end of the use phase of all products.

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