



By appointment
to HM The Queen
motor car manufacturers
Bentley Motors Limited
Crewe Cheshire



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BENTLEY

Press Information

A SUITE OF ONBOARD TECHNOLOGY FOR SAFETY, PERFORMANCE & ENTERTAINMENT

- The Bentayga introduces a suite of cutting-edge driver assistance technologies designed to improve usability and safety. On-board infotainment systems are also all-new and class-leading. Alongside advanced traction control, ABS, brake distribution and assistance and auto-hold systems, the Bentayga is an innovative, advanced and connected car.
- An array of advanced Driver Assistance Systems (DAS) work together to make the Bentayga a safe and easy-to-use SUV. Through the use of up to 12 ultrasonic sensors, up to five cameras, and short- and long-range radars, the Bentayga is able to interpret and respond to the environment around it. As standard, the car features:
 - High Beam Assist: Automatic switching of the dipped/high beam headlights depending on oncoming vehicles. Also adapts the shape of the light beam according to the vehicle speed (in three modes – Town, Country and Motorway).
 - Blind Spot Warning: From 10 km/h to 250 km/h, vehicles behind the car and in the blind spots are detected, with the system predicting the possibility of a collision. Visual warnings are issued to the driver via flashing lights in the door mirrors.
 - Exit Warning: Warns vehicle occupants of objects approaching from the rear of the car and possible risks of collision if a door is opened.
- A dedicated section of the vehicle's Electronic Stability Control makes off-roading easier and includes:
 - Hill Descent Control: Autonomous braking of the vehicle down steep inclines to maintain the vehicle at a driver-set speed.
 - Electronic Differential Lock: Mimics a locking differential by braking a spinning wheel, so transferring torque across an axle to the wheel that has more traction.
- The optional City Specification includes five additional assistance systems:
 - Traffic Sign Recognition: Detects a wide variety of traffic signs and displays information to the driver. Speed limits are displayed in the Head Up Display.
 - Pedestrian Warning: Detects pedestrians and determines intended path, then compares against predicted vehicle position.

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If a collision is likely, a warning is issued to the driver and the braking system is pre-conditioned for a stop.

- Rear Crossing Traffic Warning: When reversing out of a parking space, radars detect crossing traffic (including bicycles), any potential collisions are calculated, and the driver is warned accordingly.
- Top View: From the images provided by four cameras, an overall picture of the vehicle's surroundings is created as a virtual top-down view on the central MMI screen. Any obstacles in the immediate surroundings are shown.
- Park Assist: Detects suitable parking spaces and calculates ideal parking manoeuvres. Working for both parallel and perpendicular spaces, autonomous steering takes over to support parking manoeuvres, even in narrow and difficult spaces.
- The further option of the Touring Specification brings systems designed to assist with highway traffic and long-distance driving:
 - Adaptive Cruise Control, including Stop & Go, Predictive ACC and Traffic Assist: Maintains a set distance to the vehicle in front, from a standstill up to 250 km/h including autonomous acceleration and deceleration. Predictive ACC uses the navigation data, sensors and cameras to predict upcoming corners, town entrances and speed-limit changes and then modifies vehicle speed accordingly, bringing benefits to comfort and fuel economy. In traffic, the system senses columns of vehicles and initiates small steering inputs to keep the car in line without visibility of road markings.
 - Bentley Safeguard: Scans the road ahead and recognises possible frontal collisions before alerting the driver. Will automatically apply the brakes to prevent collisions below 50 km/h and reduce the likelihood or consequences of a collision above 50 km/h.
 - Active Lane Assist: Above 60 km/h, the system aids the driver by using a video camera to scan the road ahead and then applies small steering inputs to keep the car in its lane.
 - Night Vision: An infra-red camera displays an image of the road ahead on the central Driver Information Panel, extending visibility beyond the range of the headlights. Pedestrians, cyclists and large animals are identified and highlighted when in proximity, and a warning provided if they're in the path of the vehicle.
 - Head Up Display: Warnings and vehicle information (including speed and navigation instructions) are projected into the driver's direct field of view through the windscreen.

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- Two further systems apply when a tow bar is specified:
 - Trailer Assist: Sensors in the tow bar calculate the trailer articulation angle. The driver can then set a desired angle for reversing, and the car will steer autonomously to reach and maintain that angle. The system will also limit vehicle speed and prevent critical articulation angles being reached.
 - Trailer Sway Mitigation detects if a towed trailer starts to sway dangerously, then applies appropriate brake pressure to alleviate the swaying motion while reducing engine torque to reduce the vehicle speed if required.
- The Bentayga also features a selection of on-board infotainment systems that raise the bar for audio and visual entertainment on the move:
 - The core of the new system is an all-new touch screen-based infotainment platform with additional haptic controls, classic analogue gauges, state of the art rear seat entertainment and a touch screen remote control for rear climate comfort.
 - The main 8" display touch screen is connected to a 60 GB solid-state hard drive for the storage of on-board media.
 - The rear seats and climate comfort are controlled via the Bentley Touch Screen Remote – a handheld, smart-phone-sized device with a 3.5" touch screen that allows comfortable and convenient access to rear seat systems.
 - The Bentayga introduces the new Bentley Entertainment Tablet. When Rear Seat Entertainment is specified, the car comes with a pair of removable tablets that are connected to the car via on-board 4G WiFi. The Android-powered tablets feature a Bentley-specific interface and access to over a million Android Apps, and can be used away from the car, in the office and at home. Each tablet has a 10.2" full HD display, has 32 GB of on-board storage (expandable to 128 GB via a Micro-SDXC card), USB ports and a front-facing camera. The tablets fit into holders installed to the backs of the front seats, and can be connected via Bluetooth to wireless headphones. Audio can also be streamed through the vehicle speakers, and new destinations can be sent from the tablets to the Bentayga's navigation system. Internet browsing is via the car's 4G WiFi system, permitting access to internet radio and local or streamed video.
 - Three different audio configurations are available. The standard sound system of ten speakers and six channels can be upgraded

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to the Signature system, consisting of 12 speakers, 12 channels and a 700 watt amplifier.

- The top-level on-board audio system in the SUV market is delivered by the Naim for Bentley Premium sound system, featuring 18 speakers, 19 channels, a 1,950 watt amplifier and Super Tweeters, for unrivalled re-creation of the highest audio frequencies.

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