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The new BMW 7 Series. Model variants at launch.



BMW M760Li xDrive:

V12 petrol engine, eight-speed Steptronic transmission, BMW xDrive.
Capacity: 6,592 cc, output: 430 kW/585 hp at 5,250 – 5,750 rpm,
max. torque: 850 Nm (627 lb-ft) at 1,600 – 4,500 rpm.
Acceleration [0 – 100 km/h (62 mph)]: 3.8 seconds,
top speed: 250 km/h (155 mph).
Fuel consumption combined: 12.5 – 12.4 l/100 km (22.6 – 22.8 mpg imp),
CO₂ emissions combined: 285 – 284 g/km, exhaust standard: EU6d-TEMP.

BMW 750i xDrive (BMW 750Li xDrive):

V8 petrol engine, eight-speed Steptronic transmission, BMW xDrive.
Capacity: 4,395 cc, output: 390 kW/530 hp at 5,500 – 6,000 rpm,
max. torque: 750 Nm (553 lb-ft) at 1,800 – 4,600 rpm.
Acceleration [0 – 100 km/h (62 mph)]: 4.0 seconds (4.1 seconds),
top speed: 250 km/h (155 mph).
Fuel consumption combined: 9.5 – 9.5 l/100 km (29.7 – 29.7 mpg imp)
[9.6 – 9.5 l/100 km (29.4 – 29.7 mpg imp)],
CO₂ emissions combined: 217 – 217 g/km (218 – 218 g/km),
exhaust standard: EU6d-TEMP.

BMW 745e (BMW 745Le):

Six-cylinder in-line petrol engine, synchronous electric motor, eight-speed Steptronic transmission.
Petrol engine:
Capacity: 2,998 cc, output: 210 kW/286 hp at 5,000 – 6,000 rpm,
max. torque: 450 Nm (332 lb-ft) at 1,500 – 3,500 rpm.
Electric motor:
Rated output: 83 kW/113 hp, max. torque: 265 Nm (195 lb-ft).
Combined output: 290 kW/394 hp,
max. combined torque: 600 Nm (442 lb-ft).
Acceleration [0 – 100 km/h (62 mph)]: 5.2 seconds (BMW 745Le: 5.3 seconds),
top speed: 250 km/h (155 mph),
top speed (electric): 140 km/h (87 mph).
Electric range: 54 – 58 km (33.5 – 36 miles) [BMW 745Le: 52 – 55 km (32 – 34 miles)].
Fuel consumption combined: 2.2 – 2.1 l/100 km (128.4 – 134.5 mpg imp)

[BMW 745Le: 2.3 – 2.2 l/100 km (122.8 – 128.4 mpg imp)],
electric power consumption combined: 15.4 – 15.0 kWh/100 km (62 miles)
[BMW 745Le: 15.4 – 15.1 kWh/100 km (62 miles)],
CO₂ fuel emissions combined: 52 – 48 g/km (BMW 745Le: 53 – 50 g/km),
exhaust standard: EU6d-TEMP.

BMW 745Le xDrive:

Six-cylinder in-line petrol engine, synchronous electric motor, eight-speed Steptronic transmission, BMW xDrive.

Petrol engine:

Capacity: 2,998 cc, output: 210 kW/286 hp at 5,000 – 6,000 rpm,
max. torque: 450 Nm (332 lb-ft) at 1,500 – 3,500 rpm.

Electric motor:

Rated output: 83 kW/113 hp, max. torque: 265 Nm (195 lb-ft).

Combined output: 290 kW/394 hp,
max. combined torque: 600 Nm (442 lb-ft).

Acceleration [0 – 100 km/h (62 mph)]: 5.1 seconds,

top speed: 250 km/h (155 mph),

top speed (electric): 140 km/h (87 mph).

Electric range: 50 – 54 km (31 – 33.5 miles).

Fuel consumption combined: 2.6 – 2.3 l/100 km (108.6 – 122.8 mpg imp),
electric power consumption combined: 16.3 – 15.8 kWh/100 km (62 miles),
CO₂ fuel emissions combined: 59 – 52 g/km, exhaust standard: EU6d-TEMP.

BMW 750d xDrive (BMW 750Ld xDrive):

Six-cylinder in-line diesel engine, eight-speed Steptronic transmission, BMW xDrive.

Capacity: 2,993 cc, output: 294 kW/400 hp at 4,400 rpm,
max. torque: 760 Nm (560 lb-ft) at 2,000 – 3,000 rpm.

Acceleration [0 – 100 km/h (62 mph)]: 4.6 seconds (4.7 seconds),
top speed: 250 km/h (155 mph).

Fuel consumption combined: 6.0 – 5.8 l/100 km (6.1 – 5.9 l/100 km),
CO₂ emissions combined: 157 – 152 g/km (160 – 155 g/km),
exhaust standard: EU6d-TEMP.

BMW 740d xDrive (BMW 740Ld xDrive):

Six-cylinder in-line diesel engine, eight-speed Steptronic transmission, BMW xDrive.

Capacity: 2,993 cc, output: 235 kW/320 hp at 4,400 rpm,
max. torque: 680 Nm (501 lb-ft) at 1,750 – 2,250 rpm.

Acceleration [0 – 100 km/h (62 mph)]: 5.3 seconds (5.4 seconds),
top speed: 250 km/h (155 mph).

Fuel consumption combined: 6.0 – 5.6 l/100 km (6.0 – 5.7 l/100 km),
CO₂ emissions combined: 158 – 148 g/km (158 – 149 g/km),
exhaust standard: EU6d-TEMP.

BMW 730d xDrive (BMW 730Ld xDrive):

Six-cylinder in-line diesel engine, eight-speed Steptronic transmission, BMW xDrive.

Capacity: 2,993 cc, output: 195 kW/265 hp at 4,000 rpm,
max. torque: 620 Nm (457 lb-ft) at 2,000 – 2,500 rpm.

Acceleration [0 – 100 km/h (62 mph)]: 5.8 seconds (5.9 seconds),
top speed: 250 km/h (155 mph).

Fuel consumption combined: 5.7 – 5.5 l/100 km (5.8 – 5.6 l/100 km),
CO₂ emissions combined: 150 – 143 g/km (153 – 147 g/km), exhaust
standard: EU6d-TEMP.

All figures relating to performance, fuel/electric power consumption, CO₂ emissions and operating range are provisional.

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Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at <https://www.dat.de/co2/>.

The design.

Increased presence, refined elegance.



Gracefully sporting proportions and a progressive interpretation of luxury mark out the exterior design of the new BMW 7 Series. Its alluring bodywork reflects the supreme dynamics and exclusive comfort that shape the luxury sedan's unmistakable driving experience. The latest edition of the 7 Series features neatly judged exterior flourishes, which underline its status and advanced technology even more intently. The design updates reach every area of the body and strengthen, above all, the confident presence with which the new BMW 7 Series sedan advertises its position as the brand's flagship model. The far-reaching exterior redesign accentuates the cultured elegance of the BMW 7 Series and takes in the front apron, bonnet, headlights, front side panels, rear bumper trim and rear lights.

The BMW 7 Series will continue to be offered in two body variants. The longer version of the luxury sedan has a wheelbase extended by 14 centimetres over the standard car – to 3,210 millimetres – and gives rear-seat passengers the extra space to match. The standard 7 Series (5,120 mm) and its long-wheelbase twin (5,260 mm) are both 22 millimetres longer than their respective predecessors. The new model's width (1,902 mm) and height (1,467 mm / long-wheelbase version: 1,479 mm) remain unchanged.

Taller front end, significantly larger BMW kidney grille.

The extensive design refresh at the front end plays a particularly prominent role in giving the new BMW 7 Series its more powerful visual presence. Catching the eye most vividly is the significantly expanded surfacing at the front of the car, which now rises around 50 millimetres taller at its foremost point. The result is a verticality that projects the prestige and status of the luxury sedan.

The dominant force of the front-end design is the BMW kidney grille, now framed by a single-piece surround whose surface area has grown by some 40 per cent. The grille has active air flap control with adjustable vanes which only open when the need for cooling air is increased. The bars of the kidney grille come in Aluminium satinated as standard and in High-gloss Chrome on cars with Design Pure Excellence specified. The fronts of the air vanes between the kidney grille bars are likewise in High-gloss Chrome – or black if the M Sport package is specified. The new BMW M760Li xDrive has a kidney grille surround and kidney grille bars in Cerium Grey.

Slim headlight units, BMW Laserlight available as an option.

The new design of the super-slim headlight units provides an attractive visual contrast with the significantly enlarged BMW kidney grille, adding a new strand to the character of BMW's luxury-class models and lending the front section of the new BMW 7 Series an expressive and highly distinctive flavour. The modern take on the BMW's signature four-eyed face combines with the efficiency and lighting power of LED technology, whose sophisticated functionality is brought visually to the fore by the design of the light sources.

Standard equipment for the new BMW 7 Series includes Adaptive LED Headlights with variable light distribution, adaptive and cornering light functions, and the BMW Selective Beam non-dazzling high-beam assistant. BMW Laserlight can be ordered as an option. This system employs a BMW Laserlight spotlight with Selective Beam to optimise the high beam function, whose range increases to a maximum 560 metres as a result. Blue elements inside the hexagonal light sources make a distinctive visual statement.

New bonnet contours, covered air intakes.

Also among the striking changes made to the front of the car is the re-designed bonnet. It extends right up to the higher-rise BMW kidney grille and displays even more sharply cut and powerfully sculpted contour lines. Another feature of the car's sophisticated yet unshrinking looks is the upsized BMW badge on the bonnet, whose diameter has grown from 82 to 95 millimetres.

The lower section of the front apron draws the eye with an all-new design making its debut in a BMW model. The outer air intakes are now overlaid with large air deflectors. These guide the onrushing air efficiently to the brake air ducts and the Air Curtains, which help to minimise turbulence around the wheel arches. These plates – painted in body colour – and the newly designed decorative chrome strips lend the bumper trim a sense of sophisticated elegance, imbuing the car's nose with additional visual impact. L-shaped trim strips in High-gloss Chrome border the Air Curtains on their outer edges and below. Another trim strip runs along the lower edge of the central air intake, before kicking upwards to form the top line of the side plates. This strip is Pearl-effect Chrome as standard, but switches to Cerium Grey for the BMW M760Li xDrive and High-gloss Chrome on cars specified with the Design Pure Excellence option and on the BMW M760Li xDrive V12 Excellence.

Wide-open air intakes form the headline act in the front apron of cars with the M Sport package. Their updated design for the new BMW 7 Series uses C-shaped surrounds with integrated Air Curtains to underscore the positioning of air ducts at the outer edges of the front apron. In addition, the dynamic appearance of the front end is accentuated by the particularly striking and aerodynamically optimised contouring of the front apron's lower border.

Newly designed side panels with upright Air Breathers.

Handsomely resolved proportions, powerfully bulging surfaces and precisely drawn character lines shape the side view of the new BMW 7 Series. With long wheelbases and short overhangs, a flowing roofline and the Hofmeister kink (the upturned line at the trailing edge of the side window graphic), the luxury sedan isn't short of hallmark BMW design cues. Elsewhere, exterior mirrors attached to the window surround by a thin stalk strike a modern chord and further improve aerodynamics. And the front side panels have been treated to a thorough redesign, too. A precisely scored seam feeding into the bumper and headlights tunes neatly into the new lines of the front end.

The Air Breathers, in newly upright form, also exude precision, clarity and solidity. The air outlets integrated into the side panels now extend much further upwards and their trim strips form a 90-degree angle with the side trim elements, bringing the dominant verticality of the front and rear of the car to the flanks as well. The new design of the Air Breathers also optimises the flow of air through the wheel arches, which helps to reduce aerodynamically undesirable turbulence.

The Air Breathers on either side of the car provide the starting point for a horizontal trim strip that runs above the side skirts and now reaches into the rear apron both in standard form and when the M Sport package is specified. The Air Breathers and trim strips come in High-gloss Chrome as standard. The BMW M760Li xDrive has the two elements in Cerium Grey, while the M Sport package and optional extended BMW Individual high-gloss Shadow Line turns them to Dark Chrome. The M Sport package also includes extremely muscular side skirts, which add extra visual emphasis to the dynamic appearance of the car's silhouette.

New rear-end design with full-width light strip.

The rear of the new BMW 7 Series also includes fresh injections of modernity, elegance and presence. Here, the design makeover has upped the dominance of horizontal lines, emphasising even more keenly the wide and powerful over-the-wheels stance of the sedan. Added to which, the lines in the outer sections of the rear apron adopt the design language used for the air intake trim in the front apron. The exhaust system's tailpipes are edged in

what are now wider chrome surrounds, split down the middle on the BMW M760Li xDrive V12 Excellence, and are integrated flush into the lower section of the rear apron. The tailpipe edging comes in High-gloss Chrome as standard, in Cerium Grey on the BMW M760Li xDrive and in Black Chrome on cars with extended BMW Individual high-gloss Shadow Line. Painted in body colour as standard, the bumper trim comes in High-gloss Chrome in cars with Design Pure Excellence specification and also encompasses the tailpipe edging. The M Sport package includes a strikingly sculpted rear apron with a diffuser inlay painted in Dark Shadow metallic.

The three-dimensional rear lights of the new BMW 7 Series are around 35 millimetres slimmer than on the outgoing car and cut a sophisticated and precise figure. Their light sources are all-LED and are positioned behind red and black surfaces arranged to emphasise the L-shaped contour of the rear lights. Other new features include a sharply defined and very slim light strip (it measures just six millimetres in width) sited below the chrome bar, which extends across the full width of the tailgate and connects the rear lights with each other. The chrome bar comes in Dark Chrome when extended BMW Individual high-gloss Shadow Line is specified and Cerium Grey on the BMW M760Li xDrive. The light strip also creates a discreetly illuminated accent when the daytime driving lights are switched on and teams up with the L-shaped taillights to generate a characteristic and highly distinctive night design at the rear of the new BMW 7 Series when darkness falls.

New paint finishes and light-alloy wheels.

The selection of exterior paint finishes available for the new BMW 7 Series comprises two non-metallic and eleven metallic finishes. The variants Bernina Grey amber effect metallic, Royal Burgundy Red brilliant effect metallic and Donington Grey metallic (the latter available exclusively in conjunction with the M Sport package) are new to the portfolio. Customers can also choose from four BMW Individual options, including the new shades Dravite Grey metallic and Tanzanite Blue metallic, and eight BMW Individual special paint finishes. These capture the imagination with the ultra-intense brilliance of the colour and feeling of depth, all of which provides a visually arresting showcase for the elegantly sporty exterior of the new BMW 7 Series.

Now available for the BMW 7 Series on cars fitted with the M Sport package is the optional extended BMW Individual high-gloss Shadow Line, which employs Dark Chrome for the BMW kidney grille, door opener inlays, exhaust tailpipe embellishers and rear light trim elements. In addition, the kidney grille bars are painted in High-gloss Black.

Depending on the model variant, the new BMW 7 Series comes as standard with 17-inch or 18-inch light-alloy wheels. Additional light-alloy wheels in 17-inch to 21-inch formats are included on the options list and in the Original BMW Accessories range. New to the line-up are 20-inch light-alloy wheels in multi-spoke and star-spoke design, and 21-inch light-alloy wheels in W-spoke design. The 19-inch M light-alloy wheels in double-spoke design – part of the M Sport package – are now painted in Orbit Grey. The M Sport package can optionally be combined with 20-inch M light-alloy wheels in star-spoke design, which are available in bi-colour Orbit Grey with polished finish and in Jet Black.

Interior and equipment. Luxurious ambience with inspirational style and exclusive technology.



The more powerful presence and clear design idiom embodied by the exterior of the new BMW 7 Series are mirrored by a comprehensively enhanced interior design and a wealth of optimised equipment features. Generous levels of space, choice materials, harmoniously coordinated design details and exclusive workmanship combine to create a luxurious ambience that has been refined in every respect. Complementing the supreme performance and refinement of the powertrain and chassis technology, these attributes ensure that the new BMW 7 Series offers both driver and passengers an inspiring on-board experience moulded by a luxurious sense of wellbeing.

The progress associated with the new generation of this luxury sedan is reflected by advances such as the screen grouping formed by the instrument cluster and the Control Display, the extended functionality of its controls and further improvement of the infotainment systems. Trim strips, leather-covered surfaces and light sources make a greater contribution than ever to the exclusive flair of the new BMW 7 Series cabin. Optimised acoustic comfort also makes for an even more relaxing travel experience.

Expressive and harmonious: Exclusive Nappa leather and BMW Individual Merino full leather trim with extended quilting, new interior trim strips.

The new BMW 7 Series comes as standard with Dakota leather upholstery, available in five different colours. A choice of six colour variants is offered for the optional Exclusive Nappa leather upholstery with extended appointments (standard for the BMW M760Li xDrive), while Exclusive Nappa leather with extended quilting is now available as a further option. The extensive, three-dimensional surface structure which is found on the front and rear seat cushions and backrests, the armrests integrated in the door trim and the centre console gives the interior an expressive and harmonious feel. In models equipped with the Executive Lounge or Executive Lounge rear console options, the high-quality quilting is also to be found on the rear centre armrest. The Exclusive Nappa leather trim with extended quilting is available in the colours Mocha and Cognac.

The BMW Individual fine-grain Merino full leather trim – which is available in six colours and features not only extended quilting but also contrast stitching and piping – uses materials of the very finest quality. The door shoulders, the upper part of the instrument panel and the lower part of the door linings are finished in fulled leather with this option.

The interior trim strips for the new BMW 7 Series inject the styling with yet more individual flair. New to the range are the particularly exclusive fine wood versions American Oak Dark with metal inlay and Poplar Grain Metallic Grey high-gloss. Both the trim strips and the instrument panel's chrome surrounds that border them are made individually for each car to ensure that their dimensions match down to the millimetre. The new design features also extend to the boot of the new BMW 7 Series, where a stainless steel insert in the loading sill makes a stylish quality statement. This feature is standard equipment on all model variants with the exception of the plug-in hybrids.

Design Pure Excellence for the interior, M Sport package with special seat upholstery.

The luxurious ambience of the new BMW 7 Series can be enhanced with an exclusive touch in the form of the Design Pure Excellence package for the interior. An Alcantara headliner, door sill plates in Fine Brushed Aluminium, precise decorative stitching in the lower section of the instrument panel, and fine wood inlays for the seatbelt outlet covers, armrest and roof grab handles in the rear bring an inviting and sophisticated aura to the interior. The Design Pure Excellence interior package for the new BMW 7 Series with long wheelbase also includes deep-pile floor mats for the rear compartment.

An ideal setting for an intensive driving experience is created by the interior design features specific to the M Sport package. These include the BMW Individual headliner in Anthracite, the M leather steering wheel, M pedals and the M driver's footrest, as well as the comfort seats, the illuminated M door sill plates and the Fineline Black fine wood interior trim strips with high-gloss metal effect. In the new BMW 7 Series, customers have the option of combining the M Sport package with a special version of the Exclusive Nappa leather upholstery with extended appointments. This option comprises black leather with a distinctive stitching pattern and M piping.

The BMW M760Li xDrive also signals its outstanding performance potential with a bespoke interior design. In addition to the M leather steering wheel, the BMW Individual headliner in Anthracite, the M pedals, the M driver's footrest and the comfort seats upholstered in Exclusive Nappa leather with extended appointments, this 12-cylinder model is equipped as standard with Fineline Black fine wood interior trim strips with high-gloss metal effect, a digitally

generated model badge in the instrument cluster, an insert in the centre console in Piano Finish Black and illuminated door sill plates bearing the inscription "V12". The new BMW M760Li xDrive V12 Excellence underlines its exclusive status with features such as Fineline high-gloss fine wood interior trim strips and a leather steering wheel with wood applications.

BMW EfficientLightweight and optimised aerodynamics.

The body structure developed for the luxury sedans of the BMW 7 Series combines maximised occupant protection with optimised weight. This is made possible by a material mix of high-strength steels, aluminium and carbon fibre-reinforced plastic (CFRP) that is unrivalled by any of its competitors. The Carbon Core used for the passenger cell makes a major contribution not only to the high level of safety, but also to the agile handling characteristics of the BMW 7 Series.

A significant role in the optimisation of the vehicle's aerodynamic characteristics is played by the active air flap control system along with Air Curtains and Air Breathers. Air drag is also reduced by the cladding covering almost the entire underbody.

Enhanced acoustic comfort for an exclusive motoring experience.

A series of judicious refinements have served to enhance the acoustic comfort aboard the new BMW 7 Series. The level of tyre noise reaching the rear compartment of the luxury sedans has been reduced effectively by the optimised shielding of the rear wheel arches. A further reduction in the interior noise level is attained through optimised sound insulation elements in the B-pillar area, the seatbelt outlet covers and the rear seat backrest. Laminated glass with an increased thickness of 5.1 millimetres is now used not only for the windscreen, but also for the side windows and rear window too. This new construction for the side and rear windows is standard for the BMW 750i xDrive, BMW 750Li xDrive and BMW M760Li xDrive models and is available for the other model variants as a component of the Rear Comfort Glass option.

The improved sound insulation is a significant factor in the superior level of motoring comfort provided by the new BMW 7 Series. The electric power windows of the luxury sedans also have new drive motors and control units which ensure precise power management, smooth movement and a consistent sound when the windows are lowered and raised. Another benefit of this newly improved system is the remarkable fluency of the transition stages at the beginning and end of window opening and closing. Optimised mounts for the diesel engines help to suppress vibrations on starting and during dynamic acceleration.

Steering wheel, wireless charging tray for smartphones and redesigned Ambient highlight in the rear.

A chrome fascia element and a modified layout of the multifunction buttons are the defining features of the redesigned standard leather steering wheel in the new BMW 7 Series. The button array for the driver assistance systems on the left-hand spoke of the steering wheel has been reorganised. The button for activating the optional heating system for the steering wheel is now located below the steering wheel boss.

The new BMW 7 Series models are equipped as standard with a hands-free phone system including wireless charging. Previously situated under the centre console armrest, the tray for smartphones that support wireless charging is now positioned immediately in front of the cupholders. This means that the phone can always be seen by the driver while it is charging.

The ambient lighting option comprises LED lighting in the vicinity of the instrument panel, the door shoulders, the map pockets on the front seat backs, and in the footwells. Using the iDrive operating system menu, it is possible to choose from six lighting colours to adjust the indirect illumination to personal preference. Courtesy lights, illuminated bars on the door sill plates and the Welcome Light Carpet in the entrance/exit area are also included in the ambient lighting option. An even more sophisticated impression is created by the Ambient highlight feature in the B-pillars, which combines with the optional sun blinds for the rear side windows and rear window to create a particularly atmospheric lighting effect in the rear of the long-wheelbase versions of the new BMW 7 Series. When deactivated, the vertically arranged light sources now blend into the ambience of the luxury sedans even more harmoniously as a result of their high-quality smoked-glass look.

Passenger comfort in a class of its own: Executive Lounge, Touch Command, Rear-seat entertainment.

Available exclusively for the long-wheelbase versions of the new BMW 7 Series, the Executive Lounge appointments for the rear are designed to maximise the feel-good factor and passenger comfort. In addition to four-zone automatic climate control, electrically adjustable comfort seats and a massage function in the rear, the equipment package also includes active seat ventilation for all seats, along with the options Executive Lounge Seating, Executive Lounge Rear Console and Rear-seat entertainment Experience including BMW Touch Command.

The Rear-seat entertainment system comprises two 10-inch full-HD displays complete with a Blu-ray player. The system allows users to access the entertainment, navigation and online functions of the vehicle from the rear seats. The viewing angle of the screens, which now have touchscreen functionality, can be adjusted in accordance with the rear seat passengers' current seat position. Further improved hardware is the defining characteristic of the latest version of the BMW Touch Command unit. This removable tablet with a screen diagonal of seven inches can be used from any seat and even outside the vehicle. It lets the occupants operate comfort functions such as seat adjustment, interior lighting and climate control, as well as the infotainment, navigation and communication systems. It can also be used to play external audio and video files. The graphics and menu system of the BMW Touch Command tablet and the Rear-seat entertainment Experience displays are now aligned with the software features and functionality of BMW Operating System 7.0, which is also used for the all-digital displays of the instrument cluster and Control Display in the new BMW 7 Series to create an environment with a contemporary look and feel focused on the individual needs of the user.

Engines, transmission and BMW xDrive. Cutting-edge powertrain technology for a luxurious driving experience.



The arrival of the new BMW 7 Series takes the driving pleasure experience in a luxury sedan to new heights. This is down in no small part to the array of innovations that have been incorporated into the car's powertrain technology. The new BMW 7 Series is available with petrol and diesel engines using six, eight and twelve cylinders, as well as a plug-in hybrid drive system with a brand new design offering an increased electric range, enhanced performance and lower consumption. The eight-speed Steptronic transmission fitted as standard on all model variants has also undergone further improvement, as has the BMW xDrive intelligent all-wheel-drive system that can be combined not just with the petrol and diesel engines but with the hybrid drive too.

All the engines fitted in the new BMW 7 Series share a number of common denominators: an aluminium construction, optimised thermodynamics and the very latest BMW TwinPower Turbo technology. The technology package for the petrol engines comprises twin-scroll turbochargers, High Precision Injection, VALVETRONIC fully variable valve timing and Double-VANOS variable camshaft control. The diesel power units, meanwhile, feature a turbocharging system with up to four turbochargers and common-rail direct injection. To minimise particulate emissions, both the newly developed V8 unit and the V12 under the bonnet of the new BMW M760Li xDrive are now equipped with a gasoline particulate filter. The system of emission control for the diesel models employs BMW BluePerformance technology including a particulate filter, an oxidation catalyst, a NOx adsorption catalyst and an SCR catalyst with AdBlue injection to reduce nitrogen oxide emissions. Thus equipped, all model variants of the new BMW 7 Series meet the requirements of the Euro 6d-TEMP emissions standard.

Prestige plus performance: V12 engine in the BMW M760Li xDrive.

Spearheading the line-up of engines for the new BMW 7 Series is the twelve-cylinder petrol unit that sets the benchmark for majestic power delivery in the luxury segment. Traditionally the most prestigious engine variant, the V12 serves up a beguiling blend of unrivalled smoothness and tremendous performance. The specimen powering the new BMW M760Li xDrive has a displacement of 6.6 litres from which it extracts a maximum output of 430 kW/585 hp between 5,250 and 5,750 rpm. The peak torque of 850 Nm (627 lb-ft) is on tap over a wide rev range extending from 1,600 to 4,500 rpm. The high-performance engine propels the remarkably sporty luxury sedan to

100 km/h (62 mph) from rest in just 3.8 seconds. The top speed of the new BMW M760Li xDrive is electronically limited to 250 km/h (155 mph), which is increased to 305 km/h (190 mph) if the optional M Driver's Package is selected. The new BMW M760Li xDrive posts combined fuel consumption of 12.5 – 12.4 litres per 100 kilometres (22.6 – 22.8 mpg imp)*, equating to CO₂ emissions of 285 – 282 grams per kilometre*.

Extreme rigidity, weight optimisation and effective reduction of vibrations are the defining qualities of the V12's basic design. The all-aluminium engine's two banks of cylinders are positioned at an angle of 60 degrees to each other. On the outside of each bank there is a mono-scroll turbocharger with indirect charge air cooling and a separate cooling circuit. Emissions performance has been optimised with the help of close-coupled catalytic converters and two gasoline particulate filters. In order to reduce back pressure, the exhaust gases flow unimpeded through the twin-pipe exhaust system's rear silencer whenever the exhaust flap is open. The rear silencer combines with exhaust flap control to give the engine a broad acoustic spectrum, ranging from creamy smooth to dramatically sporty.

The buttons of the Driving Experience Control switch can now be used to select an additional SPORT+ mode in the new BMW M760Li xDrive that activates a track-gear vehicle set-up including linear throttle response, direct, sporty, undamped engine response and a particularly vocal soundtrack. The new BMW M760Li xDrive V12 Excellence also offers a COMFORT+ mode, whose gentle throttle response and substantial degree of load change damping serve to intensify the luxury driving experience.

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New V8 engine built for effortless sportiness.

One of the biggest changes in the engine range for the new BMW 7 Series is the eight-cylinder unit fitted in the BMW 750i xDrive and BMW 750Li xDrive. After undergoing an extensive overhaul covering everything from the crankcase through to the engine management, the 4.4-litre V8 generates a maximum output of 390 kW/530 hp – a whole 60 kW/80 hp more than the engine it replaces – between 5,500 and 6,000 rpm. The 750 Nm (553 lb-ft) of peak torque represents an increase of 100 Nm (74 lb-ft) and can be summoned up from 1,800 – 4,600 rpm. The engine's standout features include the pair of twin-scroll turbochargers nestled in the 90-degree angle between the two banks of cylinders.

Once again, the V8 unit lays on some expressive acoustic accompaniment for its instantaneous and ceaseless power build-up. The new BMW 750i xDrive sprints from 0 to 100 km/h (62 mph) in 4.0 seconds (BMW 750Li xDrive: 4.1 seconds). It returns combined fuel consumption figures of 9.5 litres per 100 kilometres (29.7 mpg imp) [9.6 – 9.5 l/100 km (29.4 – 29.7 mpg imp)]* with CO₂ emissions of 217 grams (218 grams) per kilometre*. The flap-controlled M Sport exhaust system fitted as standard produces an exhilarating soundtrack to match the prodigious power delivery.

Plug-in hybrid drive system in the BMW 7 Series: now with six-cylinder in-line petrol engine and greater electric range.

The plug-in hybrid variants in the new BMW 7 Series range take all of the luxury sedan's sporty prowess, passenger comfort and feel-good ambience and combine them with exceptionally high efficiency and the ability to offer a virtually silent, all-electric driving experience with zero local emissions.

The choice of models equipped with BMW eDrive technology now comprises the BMW 745e, the BMW 745Le and the BMW 745Le xDrive.

The integration of a six-cylinder in-line engine into the plug-in hybrid system, a more advanced high-voltage battery, more power and torque, plus improved figures for electric range, consumption and CO₂ emissions chart the progress that has been made compared with the outgoing models.

The plug-in hybrid models that will be available at the launch of the new BMW 7 Series in spring 2019 capture all of the luxury sedan's essence even

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more effectively than before. Their newly developed drive technology consists of a specially adapted six-cylinder in-line petrol engine from the current BMW EfficientDynamics family of power units – whose maximum output of 210 kW/286 hp is delivered with characteristic smoothness and free-revving eagerness – an electric motor with a rated output of 83 kW/113 hp and a rated torque of 265 Nm (195 lb-ft), and a new lithium-ion battery with the latest battery cell technology and increased capacity. Enhancements have also been made to the power electronics, whose intelligent energy management ensures precisely orchestrated interaction between the two drive units and, if the proactive driving function is activated, efficiently coordinates the electric driving phases to coincide with sections of the journey that should be covered without any emissions. At the same time, the added dynamism from the electrical boost, which translates into even snappier response, is greater than before, as is the gain in efficiency produced by the assistance from the electric motor. With the Driving Experience Control switch set to SPORT mode, the drive duo can unleash a combined output of 290 kW/394 hp, while the maximum combined torque for the plug-in hybrid variants in the new BMW 7 Series is up to 600 Nm (442 lb-ft).

The new plug-in hybrid drive technology enables the BMW 745e, BMW 745Le and BMW 745Le xDrive models to record times of between 5.3 and 5.1 seconds for the 0 – 100 km/h (62 mph) sprint and achieve an electric range that varies between 50 and 58 kilometres (31 – 36 miles)*. The speed threshold for all-electric driving has also jumped to 110 km/h (68 mph), allowing the pleasure of driving in a luxury sedan with zero local emissions to be now enjoyed far beyond the city limits too. The energy required for this is stored in a latest-generation lithium-ion battery located underneath the rear seats with an increased gross capacity of 12.0 kWh. The combined fuel consumption figures for the plug-in hybrid luxury sedans – which were calculated based on the new WLTP test cycle then converted back into NEDC-equivalent values – come in at between 2.6 and 2.1 litres per 100 kilometres (108.6 – 134.5 mpg imp)*. The CO₂ emissions produced when burning fuel average 59 – 48 grams per kilometre*. The BMW 745e, BMW 745Le and BMW 745Le xDrive have a combined electric power consumption of between 16.3 and 15.0 kWh per 100 kilometres*.

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Efficient, low-emission straight-six diesel engines.

The choice of power units for the new BMW 7 Series luxury sedan is rounded off by a trio of exceptionally efficient six-cylinder in-line diesel engines with low emissions. They each have a displacement of 3.0 litres and stand out for their remarkably high efficiency factor, superb smoothness and immense pulling power. The turbocharging system for the version fitted in the BMW 730d xDrive and BMW 730Ld xDrive models consists of a single turbocharger with variable inlet geometry. The common-rail direct injection system employs piezo injectors that operate with a maximum pressure of 2,500 bar. The engine generates its maximum output of 195 kW/265 hp when the rev counter hits 4,000 rpm, with torque peaking at 620 Nm (457 lb-ft) between 2,000 and 3,000 rpm.

The BMW 730d xDrive and BMW 730Ld xDrive complete the standard sprint in 5.8 and 5.9 seconds respectively. The diesel engine's exemplary efficiency is clearly reflected in the combined fuel consumption and emissions figures: 5.5 – 5.3 l/100 km* and 144 – 138 g/km* for the BMW 730d, 5.5 – 5.3 l/100 km* and 145 – 139 g/km* for the BMW 730Ld, 5.7 – 5.5 l/100 km* and 150 – 143 g/km* for the BMW 730d xDrive, and finally 5.8 – 5.6 l/100 km* and 153 – 147 g/km* for the BMW 730Ld xDrive.

The straight-six diesel engine under the bonnet of the new BMW 740d xDrive and BMW 740Ld xDrive musters a maximum output of 235 kW/320 hp at 4,400 rpm, while its peak torque of 680 Nm (501 lb-ft) is on tap between 1,750 and 2,250 rpm. This is achieved with the aid of a multi-stage turbocharging system whose high-pressure and low-pressure turbochargers both have variable inlet geometry, as well as common-rail direct injection with a maximum pressure of 2,500 bar. This is enough to propel the BMW 740d xDrive to 100 km/h (62 mph) from rest in 5.3 seconds (BMW 740Ld xDrive: 5.4 seconds). The new BMW 740d xDrive returns combined fuel consumption figures of 6.0 – 5.6 litres for every 100 kilometres* (BMW 740Ld xDrive: 6.0 – 5.7 l/100 km*), resulting in CO₂ emissions of 158 – 148 grams per kilometre* (BMW 740Ld xDrive: 158 – 149 g/km*).

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The sublime six-cylinder in-line diesel unit in the new BMW 750d xDrive and BMW 750Ld xDrive boasts an extraordinary array of high-tech measures, including multi-stage turbocharging with two high-pressure and two low-pressure turbochargers and direct injection with piezo injectors operating at a maximum pressure in excess of 2,500 bar. The result is a maximum output of 294 kW/400 hp at 4,400 rpm and a mighty 760 Nm (560 lb-ft) of peak torque between 2,000 and 3,000 rpm. The phenomenal power build-up enables the BMW 750d xDrive to race to 100 km/h (62 mph) from a standing start in 4.6 seconds (BMW 750Ld xDrive: 4.7 seconds). Despite such sporty credentials, the engine burns 6.0 – 5.8 litres of fuel per 100 kilometres* (BMW 750Ld xDrive: 6.1 – 5.9 l/100 km*) and emits 157 – 152 grams of CO₂ per kilometre* (BMW 750Ld xDrive: 160 – 155 g/km*).

New eight-speed Steptronic transmission: sportier gear shifts plus more comfort and efficiency.

A latest-generation eight-speed Steptronic transmission assumes the task of relaying the engine's power to either the rear wheels or the BMW xDrive all-wheel-drive system. When mated to the six and eight-cylinder units, the transmission's new control electronics and wider ratio spread help to further increase the drive system's overall efficiency. Improvements have also been made in terms of driving, shift and acoustic comfort, thanks to new torsion dampers that limit rotational irregularities in the powertrain. Besides this, the optimised hydraulic control enables even sportier gear shifts.

The BMW 745e, BMW 745Le and BMW 745Le xDrive are equipped with a hybrid-specific variant of the eight-speed Steptronic transmission incorporating both the electric motor and the further refined separating clutch that acts as the link to the engine. Its extremely compact design means it is only around 15 millimetres longer than the transmissions in the non-hybrid models. For the first time, the plug-in hybrid variants of the luxury sedan are also now available with the option of an eight-speed Steptronic Sport transmission, offering even quicker gear changes and the benefit of shift paddles on the steering wheel. The Launch Control function for powering to 100 km/h (62 mph) from stationary with optimised traction is another feature of the eight-speed Steptronic Sport transmission, which comes as standard on the new BMW M760Li xDrive.

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Intelligent networking enables the eight-speed Steptronic transmission's controller to also factor in navigation data when selecting the best shift strategy. As a result, unnecessary gear shifts are suppressed when driving through a succession of bends and optimum use can be made of the engine braking effect when approaching a junction. The drive system's networking with both the navigation system and the cameras and radar sensors likewise serves to maximise the efficiency-enhancing effect of the Auto Start Stop and coasting functions. In this way, inefficient engine shutdown when stopping only briefly can be prevented, while the coasting function – which is now also available with the Driving Experience Control switch set to COMFORT mode on all models apart from the BMW M760Li xDrive – is only activated if the route topography and traffic situation mean it won't compromise either comfort or performance.

Fully variable, precise and efficient: BMW xDrive intelligent all-wheel drive.

The luxury sedan's traction, agility and handling stability can be given a further boost with the addition of BMW xDrive. The intelligent all-wheel-drive system is networked with the Dynamic Stability Control (DSC) system and employs an electronically controlled multi-plate clutch to swiftly and precisely distribute the drive torque between the front and rear wheels in a fully variable ratio as the situation demands. This means the engine's power can always be directed to the wheels with maximum purchase for loss-free transfer to the road, even in extremely dynamic driving situations or in adverse road and weather conditions.

To increase the system's efficiency, all of the drive torque is channelled to the rear wheels in situations in which all-wheel drive is not needed, while an optimised system of oil supply also serves to increase the internal efficiency factor.

Chassis technology and driving experience.

Unbeatable comfort and signature BMW dynamics on demand.



An exceptional balance between sumptuous driving comfort and the dynamic flair for which BMW is renowned are the defining features of the driving experience on board the new BMW 7 Series. The construction of the chassis, the suspension and damping systems, the steering and the braking system are designed to facilitate both relaxed cruising undisturbed by inconsistencies in the road surface and a sporty, active driving style. The driver can use the Driving Experience Control switch buttons to select a set-up option to suit the situation – and configure that set-up individually in part. The set-up options cover the car's drive functions and the manner in which its chassis systems go about their work. This allows the expansive potential of the chassis technology to be experienced in full. In ADAPTIVE mode, the overall set-up adapts automatically to the driving style and situation, responding to movements of the accelerator pedal and steering wheel, the position of the gear selector lever and data from the navigation system to instantly select the right set-up as the car moves from city driving to higher-speed roads, for example, or approaches a corner.

The design principle behind the double-wishbone front axle and five-link rear axle of the new 7 Series underpins its beautifully judged balance between dynamic performance and comfort. The separation of wheel location and damping ensures the steering remains uncorrupted by disruptive forces caused by road surface imperfections. And high cornering speeds can be achieved without impacting negatively on ride comfort. The rear suspension uses its dual elastic bearings and optimised elastokinematics to ensure precise wheel location and excellent directional stability. The large rear axle subframe mounting provides effective decoupling of the powertrain and suspension, which benefits acoustic comfort.

All variants of the new BMW 7 Series feature, as standard, adaptive suspension including electronically controlled dampers and two-axle air suspension with automatic self-levelling. Plus, the Driving Experience Control switch can be used to activate a range of damper settings to shift the emphasis of the driving experience further towards either comfort or sportiness. The suspension's air supply is controlled individually for each wheel, making it possible to balance out an unevenly loaded car. Plus, the height of the body can be adjusted manually. For example, it can be raised by

20 millimetres at the touch of a button on bumpy road surfaces or steeply-angled ramps on the way into garages.

The optimised spring/damper tuning in the new BMW 7 Series provides a recipe for extremely dynamic handling properties combined with excellent ride comfort. Even greater compensation of body roll through keenly taken corners sharpens the sporting character of the luxury sedan. The set-up of the Electric Power Steering system has also been refined to elevate agility and handling precision to even greater heights. The improvements made to the car's roll, steering and load-change characteristics allow the new BMW 7 Series to make even more accurate and agile progress.

Integral Active Steering increases comfort, agility and poise.

The optional Integral Active Steering demonstrates its strengths in an array of different driving situations. The system brings together the electromechanical steering of the front wheels – complete with Servotronic speed-sensitive steering assistance and variable steering ratio – with a steering rear axle. The variable steering ratio allows BMW 7 Series drivers to execute low-speed manoeuvres with only small steering inputs and without having to change their grip on the steering wheel. At higher speeds, meanwhile, the car's responses to movements of the wheel are less pronounced, improving both directional stability when driving in a straight line and precision on the way into corners.

By turning the rear wheels in either the same direction as or the opposite direction to the front ones, depending on the road speed, the system also makes the BMW 7 Series more nimble in city driving and increases its agility and tracking through corners. At low speeds, the rear wheels turn in the opposite direction to the front wheels, easing the car's manoeuvrability and significantly reducing its turning circle. By contrast, at higher speeds, the rear wheels follow the same direction as the front wheels, allowing the car to follow the course set by the driver even more quickly and accurately. Both in corners and when overtaking or changing lanes, Integral Active Steering imbues the luxury sedan with impressive poise and comfort-maximising responses.

Executive Drive Pro with active roll stabilisation.

The likewise optional Executive Drive Pro chassis system further hones the ride comfort and dynamic ability of the new BMW 7 Series. Available for all model variants aside from the BMW 745e, BMW 745Le and BMW 745Le xDrive, this active chassis control technology reduces rolling movements at the front and rear axle. The Executive Drive Pro system teams up with the two-axle air suspension and electronically controlled dampers to provide exceptional suspension and damping comfort and keep vibrations to a minimum. Active roll stabilisation uses electric swivel motors to ensure fast

and precise compensation of the lateral forces generated in dynamically taken corners. This enhances the car's agility and directional stability both on the way into and out of corners. The system also noticeably increases comfort when driving straight ahead by stabilising the relevant wheel. It is extremely effective in counteracting disruptive forces resulting from road surface imperfections on one side.

Executive Drive Pro also includes an anticipatory chassis control function. The advance information for regulating the combination of chassis systems is gleaned from driving style analysis readings, data from the navigation system and a stereo camera, and significantly increases ride comfort and active safety.

Chassis technology for the BMW M760Li xDrive and plug-in hybrid models tuned to suit their specific profiles.

The Executive Drive Pro system and Integral Active Steering are part of standard specification for the new BMW M760Li xDrive. The 12-cylinder model is also fitted as standard with 20-inch M light-alloy wheels in twin-spoke design. They team up with mixed tyres in 245/40 R20 format at the front axle and 275/35 R20 at the rear. These bespoke performance tyres enhance sporty handling by transferring cornering forces to the road extremely effectively through dynamically taken corners.

The new BMW M760Li xDrive can also be ordered as an option with runflat tyres and additional 20-inch light-alloy wheels from the BMW 7 Series options list.

Tuned even more keenly to deliver dynamic handling properties, the suspension of the new BMW 7 Series also factors in the plug-in hybrid models' significantly greater drive power compared to their predecessors. As a result, the new BMW 745e, new BMW 745Le and new BMW 745Le xDrive have gained appreciably in agility, precision and directional stability.

Driver assistance systems.

Heading down the road to automated driving in comfort and safety.



The new BMW 7 Series underlines its status as one of the luxury segment's most innovative and progressive models with a comprehensive range of standard and optional driver assistance systems. Numerous new functions have now been added to the systems, which come to the driver's aid in all sorts of different situations and specifically enhance various aspects of comfort and safety in the process. They ease the driver's workload in monotonous driving conditions, such as traffic jams and heavy flowing traffic, and make it easier to stay in complete control in awkward traffic situations. Camera images and the data gathered by radar and ultrasonic sensors are used to monitor the vehicle's surrounding area and either alert the driver to hazards or minimise the risk of an accident by means of corrective braking and steering. The assistance systems fitted in the new BMW 7 Series with their impressive wealth of features demonstrate how much progress has been made along the road to automated driving.

Cruise Control with braking function comes as standard on the new BMW 7 Series, while Active Cruise Control with Stop & Go function can be added as an option. The latter system maintains the desired speed up to a maximum of 210 km/h (130 mph) while taking not only the traffic situation into account, but also the selected distance to vehicles in front. If required, the car can brake to a stop and then pull away again – completely automatically – once the traffic situation allows. This makes life much easier for the driver, especially when driving in stop-start traffic on motorways or dual carriageways. For yet greater convenience, the driver can simply press a button to import the speed restrictions detected by the Speed Limit Info system as the set cruise control speed, either exactly or with a pre-programmed adjustment of up to 15 km/h (9 mph).

The distance information that appears in the optional Head-Up Display is another feature of the Active Cruise Control system with Stop & Go function. This function helps the driver to keep at a predetermined distance from the vehicle ahead when cruise and distance control are not activated.

The Driving Assistant package can also be found on the list of standard equipment for the new BMW 7 Series. Based on camera and radar technology, it includes the Collision and Pedestrian Warning with City Braking function, the latest version of which also alerts the driver when a cyclist is

detected. The Driving Assistant additionally comprises the Lane Departure Warning and Lane Change Warning systems, which are operational from 70 to 210 km/h (44 – 130 mph) and from 20 km/h (12 mph) up to top speed respectively and help the driver guide the vehicle back onto the correct path with an active turn of the steering. The standard package of Driving Assistant functions also features the Speed Limit Info system, Rear Collision Prevention and Cross Traffic Alert, which reduces the risk of a collision when reversing into roads that are obstructed from the driver's view.

Driving Assistant Professional: complete assistance for comfortable and safe driving.

The optional Driving Assistant Professional offers extensive assistance to make driving as safe and as comfortable as possible. This comprehensive package adds the Steering and lane control assistant including Traffic Jam Assist, as well as the Lane Keeping Assistant with active side collision protection. This feature uses road markings and vehicles driving ahead as a means of orientation and works together with the driver to help keep the vehicle in the detected lane. The system's hands-on-wheel detection is very sensitive and recognises contact even when only a few fingers briefly touch the wheel. There is a dedicated button on the steering wheel's left-hand spoke for operating the systems with the greatest of ease. Pushing it once activates both the Active Cruise Control and the Steering and lane control assistant.

The Active Cruise Control system included as part of the Driving Assistant Professional package is capable of adapting the road speed to the planned route with the help of navigation data. As a result, the vehicle is automatically decelerated to an appropriate speed in preparation for bends, junctions or roundabouts ahead. The traffic sign recognition system also makes use of the navigation data to glean information on upcoming speed restrictions so that they can be taken into consideration in advance.

Further Driving Assistant Professional features include a Cross Traffic Alert system that comes in handy when manoeuvring forwards too and the Priority warning and Wrong-way warning systems. Another of the package's components is the evasion aid, which can help avoid collisions with vehicles or pedestrians suddenly appearing in the driver's path. As soon as an evasive manoeuvre corresponding to such a scenario is detected, the system helps the driver direct the vehicle into a clear adjacent lane with steering inputs.

For focused driving and improved visibility in the dark:

BMW Head-Up Display and BMW Night Vision.

By projecting information graphics onto the windscreen, the optional BMW Head-Up Display provides a particularly effective means of focusing on the task of driving. The system mirrors the information directly into the driver's field of vision where it can be assimilated without any need for them to divert their eyes from the road. This includes details of vehicle speed, speed limits and overtaking restrictions, Check Control messages, status indicators and warnings from other assistance systems, detailed turn instructions, plus telephone and entertainment lists.

Another item on the list of optional extras is the BMW Night Vision system comprising pedestrian and animal detection as well as a marker light. It relays a real-time video image to the Control Display showing persons, larger animals and other heat-emitting objects. Any objects detected are additionally illuminated using the headlights' marker light function.

A helping hand with parking and manoeuvring: Parking Assistant and rear view camera as standard, Parking Assistant Plus optional.

Drivers of the new BMW 7 Series also receive effective assistance when parking and manoeuvring. The standard Active Park Distance Control (PDC) with sensors at both the front and rear has a range of functions, including not just visual and acoustic warnings but also automatic application of the brakes to prevent collisions with obstacles in the area surrounding the vehicle.

A rear view camera also comes as standard, as does the Parking Assistant for automatically selecting and manoeuvring into spaces that can now be either parallel or perpendicular to the road. Suitable parking spots are identified with the help of ultrasonic sensors as the vehicle drives past. During the parking manoeuvre, the system takes care of controlling the accelerator, brakes and steering as well as changing gear. In addition to this, the system can be used for automatically manoeuvring out of parallel parking spaces too.

Unique in segment: Reversing Assistant backs up automatically.

Another of the Parking Assistant's features is the ingenious Reversing Assistant, which helps the driver to exit parking spots or manoeuvre when space is limited. This system is the only one of its kind in this segment and offers the highly convenient facility of automated reversing in confined spaces or situations where the driver does not have a clear view, such as multi-storey car parks, entrances to courtyards or narrow mountain passes. This is done by storing the steering movements made during the vehicle's last forward manoeuvre when travelling at speeds up to 36 km/h (22 mph). The system is then able to reverse the vehicle for distances of up to 50 metres by steering it

along exactly the same line it took when moving forward. All the driver has to do is operate the accelerator and brake pedals and monitor the vehicle's surroundings.

Like the Reversing Assistant, the Remote Controlled Parking option is another illustration of the advances made towards automated driving that can be experienced in the new BMW 7 Series. The Remote Controlled Parking feature – which is scheduled to become available for activation by Remote Software Upgrade from July 2019 – enables the driver to trigger the process of entering and exiting parking spaces from outside the car using the BMW Display Key. The BMW 7 Series can therefore be manoeuvred forwards into enclosed parking spaces or garages and reversed out of them again with the greatest of ease. During these manoeuvres, the car's acceleration and braking is monitored by the sensors of the driver assistance systems and supervised by the driver.

The standard rear view camera and the multitude of functions included with the optional extra Parking Assistant Plus provide an excellent overview of the situation whenever the car is being parked or manoeuvred from the driver's seat. The Park View, Panorama View and 3D Top View features are used to depict a 360° image of the vehicle and its surroundings from different perspectives in the Control Display. The Remote 3D View function additionally gives drivers the ability to call up a three-dimensional live image of their vehicle and its immediate vicinity on their smartphone.

Display and operating system, BMW Connected and ConnectedDrive. Digital, intelligent and totally connected.



Standard specification for the new BMW 7 Series includes the BMW Intelligent Personal Assistant, an intelligent, digital helper who responds to the prompt “Hey BMW” and is an intrinsic element of the operating system. The BMW Group is set to revolutionise driving pleasure with the BMW Intelligent Personal Assistant, as it marks the start of a new era in which drivers will increasingly be able to operate their car, access its functions and obtain information simply by speaking. Updates that can be carried out seamlessly on a smartphone and in-car by Remote Software Upgrade will ensure the range of functions and capabilities on offer are continuously expanded.

BMW's acquire a digital personality.

The BMW Intelligent Personal Assistant learns routines and habits, and is subsequently able to apply them in the appropriate context. He helps the driver, learns their preferences and is familiar with the settings they like to have for the seat heating, for example, or the places they navigate to frequently (“Take me home”). One unique feature compared with other digital assistants of this type is the option of giving him a personally selected name (such as “Charlie”) to lend him even greater individuality and personality. Not only does the assistant await the driver's every command, he's always there to assist them and even provide casual conversation. He is familiar with the vehicle's functions and is able to operate them as required. Saying “Hey BMW, I'm cold” will prompt the BMW Intelligent Personal Assistant to adjust the temperature inside the car accordingly. Ongoing improvement of the technology will enable him to learn more and more preferences and favourite settings in future. The assistant gets better and better with every command given, every question asked and every setting made.

Always on board: the digital BMW expert.

The arrival of the BMW Intelligent Personal Assistant ensures there is always a genuine BMW professional on board. He is able to explain all sorts of different functions (“How does the High Beam Assistant work?”), provide current status information (“Is the oil level okay?”) and help answer questions (“What warning messages do I have?”). He knows the driver’s favourite settings, and can even activate a combination of them to enhance wellbeing. For instance, “Hey BMW, I’m tired” triggers a vitality programme that adjusts the lighting mood, music and temperature, among other things, in order to make the driver feel more alert.

The perfect co-driver.

The BMW Intelligent Personal Assistant is, in short, the ideal co-driver and comes in particularly useful during everyday driving (“Hey BMW, how far can I drive before I need to refuel?”). Navigation can now be made simpler than ever, as the assistant will find somewhere to park at the journey’s destination, provide information on any traffic jams along the route and even search for a café in the vicinity. He also learns destinations the customer drives to frequently. The assistant’s integration with Microsoft Office 365 and Skype for Business transforms the BMW 7 Series into a voice-controlled mobile office and enables him to join teleconferences at the driver’s request. Besides all this, the BMW Intelligent Personal Assistant is an entertainment expert too. This means he can quickly find suitable radio stations for the requested music (“Play classical music, please”).

In-car experiences: wellness and relaxation while on the move.

The Intelligent Personal Assistant even attends to the driver’s sense of wellbeing with his Caring Car function. This includes vitality and relaxation programmes, which activate a carefully orchestrated combination of various functions – such as the air conditioning, seat massage, fragrancing or music – to refresh or relax the driver while they are at the wheel. The selected programme runs for a duration of three minutes. The new BMW 7 Series additionally offers three different Experience Modes for the interior to choose from, which are geared perfectly to suit the driver’s current mood and can be activated for as long as desired: Executive, Expressive and Wellbeing. Each of the different modes caters to the driver’s needs by adjusting the lighting, air conditioning, fragrancing, seat massage, degree of shade, seat heating or seat ventilation accordingly (depending on the equipment features fitted). Quite apart from reducing stress and fatigue, this active enhancement of the driver’s sense of comfort also has the effect of increasing road safety. The desired programme can be started with the help of the personal assistant by saying “Hey BMW, I’m tired” or “Hey BMW, activate Executive mode”.

The BMW Intelligent Personal Assistant forms part of the standard specification in the new BMW 7 Series, together with the Live Cockpit Professional and new BMW Operating System 7.0, and is included free of charge for the first three years. The scope of functions can be extended with the Connected Package Professional.

Connected Navigation with new digital services.

“Connected Navigation” encompasses a number of digital services that are designed to turn seamless and contextual route planning both inside and outside the BMW into an even more sophisticated experience. In future, drivers of the new BMW 7 Series will be able to send destinations from various apps straight to their car’s navigation system. The key destinations will be stored in BMW Connected and synchronised with the car, so that the most important addresses can be accessed from any device at any time.

One particularly helpful new feature is the Parking Space Assistant, which proposes various parking options to the driver in good time before the destination is reached. This service includes providing information on the nearest multi-storey car park as well as proposing routes offering a particularly good chance of finding a parking spot close to the destination. To help create the new Parking Space Assistant, the existing On-Street Parking Information and ParkNow services have been intelligently incorporated into its scope of functions.

Exactly the right information at just the right time: the BMW Operating System 7.0 display and control concept.

The newly designed screen grouping comprising the instrument cluster and Control Display, together with the inclusion of new functions, enables intuitive operation to be taken to the next level in the new BMW 7 Series, while helping drivers to concentrate even more effectively on the road ahead. The standard BMW Live Cockpit Professional comprises a fully digital, high-resolution instrument cluster behind the steering wheel with a screen diagonal of 12.3 inches and a Control Display measuring 10.25 inches across. This package of equipment also features an adaptive navigation system and a hard-drive-based multimedia system with 20 GB of memory.

The BMW Live Cockpit Professional brings BMW Operating System 7.0 to the new BMW 7 Series. The operating system’s most recent incarnation boasts all-digital displays and is geared even more closely to the driver’s personal needs – with the aim of maximising their attention levels.

The system’s clear presentation and structuring are designed to provide drivers with the right information at the right time, aided further by the customisable and personalised content. The redesigned information display in the centre of the instrument cluster now leaves enough room for an excerpt

from the navigation map, for instance. In the main menu on the Control Display, the driver is able to create and individually configure up to ten pages, each showing two to four pads (tiles) with live content. Both the content and the graphics are personalised to an even greater degree, as illustrated by the vehicle mock-up that matches the actual model and body colour. The intuitive multimodal interaction between driver and vehicle benefits from further improvement. The Control Display graphics adapt depending on the operating method and the voice control system based on natural language understanding is better than ever. Depending on the situation, the driver can choose from the familiar iDrive Controller, the steering wheel controls, touch control, voice control or gesture control.

BMW Operating System 7.0 is the key to being able to book digital services with total flexibility, as it means new or existing services can be added at any time. In future, BMW customers will be able to download additional digital services at a later date from the ConnectedDrive Store and install them in their car. Services can be booked in this way for periods of three months, one year or three years.

Always up to date: Remote Software Upgrade.

The Remote Software Upgrade feature keeps the new BMW 7 Series right up to date with the latest software. All updates can be imported over the air, either on a smartphone via BMW Connected or directly into the car using its built-in SIM card. Installation is every bit as simple as a smartphone update. The content of the upgrades can vary, from new software services to improved vehicle functions.