



INTRODUCING THE NEW RANGE ROVER: SEAMLESSLY CONNECTED CONVENIENCE AND LUXURY AT EVERY TURN

- **Advanced connectivity:** Advanced hardware, software and the latest Electrical Vehicle Architecture (EVA 2.0) work in harmony for seamless connectivity, safety and convenience
- **Always on, always connected:** Intuitive Pivi Pro infotainment provides immediate start-up with elegant new 13.1-inch curved floating glass touchscreen and haptic feedback
- **Digital interior:** New 13.7-inch Interactive Driver Display complements advanced Pivi Pro technology with high-definition graphics and configurable layout
- **Signature sound:** New audio systems are available across the line-up, including a 1,600W Meridian Signature Sound System with next generation Active Noise Cancellation technology
- **Music to your ears:** Embedded Spotify app¹ delivers seamless playback from home to car and provides rich on-screen browsing experience via Pivi Pro touchscreen
- **Seamless convenience:** Standard Wireless Device Charging, plus Wireless Apple CarPlay[®] and Wireless Android Auto[™] keeps customers effortlessly connected²
- **Software-over-the-air:** The New Range Rover will get better with age, with 69 modules able to receive updates over-the-air – more than any previous Land Rover
- **Backseat driver:** Rear passengers can control their environment using a new eight-inch Rear Seat Touchscreen controller³
- **Welcome glow:** Digital LED headlights with signature DRL, Image Projection and Adaptive Front Lighting use navigation data to pre-emptively follow the road ahead
- **Confidence inspiring:** New Manoeuvring Lights provide an expansive carpet of light to the sides of the vehicle to help drivers using 3D Surround Camera at low speeds
- **Remote parking:** Remote Park Assist allows the New Range Rover to manoeuvre into and out of spaces or through gates, while the driver controls from up to three metres away⁴

The Range Rover family has a heritage of pioneering innovation that stretches back over five decades, and the New Range Rover maintains this rich bloodline with a series of technologies designed to effortlessly enhance convenience, efficiency, refinement and safety. To deliver true modern luxury, the advanced features are seamlessly integrated, easy to use and highly relevant.

Land Rover's latest Electrical Vehicle Architecture (EVA 2.0) is the enabler-in-chief and supports this 21st century connectivity. Software-Over-The-Air (SOTA) updates ensure the New Range Rover will improve as it matures.

The scalable EVA 2.0 toolkit encompasses 69 individual ECUs capable of handling 22,880 network messages. This advanced digital backbone supports the latest Advanced Driver Assistance Systems and state-of-the-art powertrain technologies: from the mild-hybrid Ingenium petrol and diesel



engines to the new Extended-Range plug-in hybrids and, ultimately, Land Rover's first pure-electric powertrain.

Peter Bingham, Architecture Chief Programme Engineer, Jaguar Land Rover, said: *The New Range Rover is the most advanced Land Rover ever made, with a raft of technologies designed to elevate every aspect of our luxury flagship. The New Range Rover utilises connectivity to enhance the ownership experience and assist the driver at every turn.*"

Land Rover engineers measured human brain activity using Functional Near Infrared Spectroscopy (fNIRS) to understand more about the cognitive impact of driving, to create a truly effortless driving experience. By mastering human sciences they have been able to produce a vehicle with the most calm, tranquil and refined automotive interior to date.

Nick Rogers, Executive Director, Product Engineering, Jaguar Land Rover, said: *"The New Range Rover combines supreme on-road and all-terrain capability with electrified propulsion and new levels of connected capability. In the quest for comfort, we have been obsessed with human science and understanding brain activity to minimise cognitive impact and ensure these advanced technologies work in absolute harmony, creating a truly effortless driving experience. It's an engineer's duty to make people's lives better, and that's exactly what the New Range Rover will do for you."*

Intuitive Pivi Pro infotainment

The New Range Rover elevates Land Rover's award-winning Pivi Pro infotainment technology with its largest ever touchscreen. The 13.1-inch curved, floating screen embodies the architectural lightness of the interior with its elegant design and provides intuitive control of all the major vehicle functions, using the latest consumer technology to deliver a smartphone-inspired interface.

For the first time in a Land Rover, the central display will provide haptic feedback when customers touch and press the screen. By giving users a positive confirmation without the need to glance at the screen, it reduces the need to look away from the road – enhancing safety and making Pivi Pro even more intuitive to use. Its customisable homescreen allows customers to access 90 per cent of tasks within two taps, while familiar pinch and swipe gestures help to navigate the simple menu structure.

With its own back-up battery providing immediate start-up, customers can begin music playback and enter a destination as soon as they get behind the wheel. The advanced system also features a pair of embedded eSIMs, which ensure SOTA updates can be completed faster without disrupting bandwidth



for other applications such as media streaming. Combined with Pivi Pro's back-up battery, the eSIMs also allow the system to start and connect more rapidly.

Land Rover's SOTA technology allows owners to download and install updates for 69 individual electronic control modules – more than on any previous model – without having to visit a retailer. In this way, the New Range Rover will improve over time, with minimal inconvenience for customers.

Interactive Driver Display

Pivi Pro works in harmony with an elegant new semi-floating 13.7-inch Interactive Driver Display, which features new high-definition graphics based around a three-panel layout that intuitively reflects the design of the Pivi Pro homescreen. Customers can choose from a variety of configurations, including a conventional analogue layout, using the steering wheel controls.

By allowing customers to customise the layout, the New Range Rover minimises potential distractions, assisted by the Head-Up Display, which positions information directly in the driver's eyeline. The projection itself appears 2.0m away from the driver, increased from 1.8m, and requires minimal 'look-down' from the driver, halving the time it takes the driver to read important information compared to the instrumentation.

Online Pack

Land Rover's Online Pack⁵ and Wi-Fi Hotspot with inclusive data plan ensures customers are always connected while media apps, including fully integrated Spotify¹, are linked and controlled via a feature-rich interface on the Pivi Pro touchscreen.

The New Range Rover features embedded eSIM technology that provides 4G data for everything from the Connected Navigation and Wi-Fi Hotspot to Software Updates. With its embedded apps, the cloud-based system doesn't need a smartphone to provide Internet connectivity, so customers can stream their favourite music and download Software Updates even if they leave their phone behind.

The Online Pack with Data Plan includes Deezer, TuneIn and weather forecasts.

Seamless smartphone integration

Wireless Apple CarPlay® and Wireless Android Auto™ provide effortless access to smartphone apps without trailing wires around the cabin². Both come into their own when used in conjunction with the New Range Rover's powerful 15W Wireless Device Charging technology. The charging pad on the centre console is big enough to accommodate the largest smartphones and charges any Qi compatible



device. An integrated signal booster ensures excellent call clarity, and the pad itself features an active cooling system to prevent devices from overheating.

Both smartphone connectivity options have been seamlessly integrated into the New Range Rover's advanced Pivi Pro infotainment. Customers are able to fully personalise the tiles of the homescreen, with the ability to include both Apple or Android apps and relevant features within the main infotainment, providing greater scope for homescreen customisation.

Connectivity extends to every occupant with a device charging socket for every seat, with up to eight USB-C sockets. For passengers travelling in the second row, integrated 60W USB-C connections can charge a laptop directly, without the need for a power pack, while the Wi-Fi Hotspot allows up to eight devices to connect simultaneously.

Home from home: New Rear Seat Entertainment

The New Range Rover is available with a new Rear Seat Entertainment system, which provides adjustable 11.4-inch HD touchscreens mounted on the rear of the front seatbacks. HDMI ports can accept media dongles, providing access to media services just as you would at home – with the on-board Wi-Fi Hotspot providing a data connection⁵, transforming the rear screens into smart TVs.

Land Rover's new In-Vehicle Controller app also allows customers to use their own smartphone as a secondary controller, providing operation of functions such as media selection in the second row.

Digital LED Headlights with Image Projection

Efficient and powerful all-LED lighting is provided throughout the New Range Rover, exemplified by new high-definition Digital LED Headlights which have a beam range of up to 500 metres. They create an exceptional design detail and feature Signature daytime running lamps (DRLs), Animated Directional Indicators, Adaptive Front Lighting and Image Projection technology, making them the most advanced headlights ever fitted to a Land Rover.

Adaptive Front Lighting uses Dynamic Light Projection technology to optimise the dipped beam and shape the beam pattern to suit the precise driving conditions such as vehicle speed, environment and traffic conditions. Inside each headlight, 1.2 million individually controllable Digital Micro-mirror Devices (DMDs) provide more control than ever before, enabling the HD-Adaptive Driving Beam to intelligently cast up to 16 shadows in the path of the vehicle which helps to prevent dazzling other road users. The advanced technology precisely shadows items ensuring maximum illumination is always provided.



The intelligent lights use eHorizon data from the navigation to 'see' the road ahead and identify bends, corners and junctions as they approach. They combine this with data from vehicle speed, yaw and steering sensors to select the appropriate setting – from Country, City, Highway or Adverse Weather modes – and tailor the beam pattern accordingly. The flagship headlights also provide a dynamic animated welcome and farewell sequence, whenever the ignition is switched on and off – projecting a high-definition pattern onto the ground and nearby surroundings using the DMDs for a unique sense of theatre at the beginning and end of night-time journeys.

The world-first hidden-until-lit taillights feature here. They have been specially developed to meet Land Rover's modernist design philosophy and use vivid red LEDs in operation, yet form a distinctive Gloss Black graphic at the rear when not in use.

All-seeing eyes: Low Speed Manoeuvring lights support advanced camera technology

Among the thoughtful innovations to debut on the New Range Rover are Land Rover's new Manoeuvring Lights, which help drivers complete low-speed manoeuvres in dimly lit surroundings with complete confidence.

Additional LED downlighters on each side of the vehicle project onto the ground which, in harmony with the reversing lights, provide a carpet of light to aid the driver. The new system is automatically engaged when reverse gear is selected – disengaging again at speeds above 15 km/h – and designed to work with the 3D Surround Camera to provide peerless visibility.

The 3D Surround Camera provides 360-degree plan, 3D exterior perspective or kerb views and junction views by cleverly stitching together images from the four surround cameras, helping drivers both off and on-road at speeds below 16km/h.

To maintain rearward visibility when carrying large loads or a full complement of seven occupants, the New Range Rover is available with ClearSight Interior Rear View technology⁶. At the touch of a button, the frameless interior mirror switches from a conventional mirror to a digital screen showing a feed provided by a high-definition rear-facing camera mounted high at the back of the vehicle.

The position of the camera makes the rear pillars and any objects inside the vehicle invisible, while providing a 50-degree horizontal view and 9.8 degrees vertical field of vision to eliminate blind spots. It provides superior clarity in low light conditions and has a hydrophobic coating to maintain performance in wet and muddy conditions.



Looking forwards, ClearSight Ground View⁷ transparent bonnet technology allows drivers to take full advantage of the New Range Rover's supreme all-terrain capability by visualising the area hidden by the bonnet on the central Pivi Pro touchscreen. Trajectory overlays help drivers clearly position the vehicle and the clever system is even able to make the vehicle 'disappear', providing a plan view of the area around and beneath the vehicle.

Remote Park Assist⁴

The New Range Rover looks after drivers like never before and Remote Park Assist brings new levels of convenience. It allows the luxury SUV to manoeuvre into and out of parking spaces while the driver monitors progress from outside the vehicle – perfect for entering or leaving narrow urban spaces or negotiating rural gateways.

Drivers activate the system using Pivi Pro and designate which of the available spaces to use – narrow spaces only accessible using Remote Park Assist are highlighted to the driver, who is then able to exit the vehicle to complete the manoeuvre, providing a continuous input via the Remote app⁷. The system is designed to operate with the driver within a three-metre radius of the vehicle and the system can also drive out of perpendicular or parallel spaces, with the ultrasonic sensors and onboard cameras monitoring the surroundings for potential hazards at all times.

Remote Park Assist⁴ augments the latest generation of Park Assist, which can park the New Range Rover automatically in and out of perpendicular and parallel spaces. More intuitive than ever, the system uses 12 ultrasonic sensors and the four surround cameras to locate suitable spaces in the background, and at speeds up to 30km/h. Its findings are displayed on the central touchscreen for the driver to make their selection.

Rear Collision Monitor with Occupant Protection Assist builds on the existing suite of safety features, using the front and rear corner radars to detect collision risks within 70 metres of the vehicle and warn occupants, before preparing the vehicle to help mitigate any collision. If the sensors detect the threat of a collision within 1.4 seconds, the system initiates the hazard warning lights. If a collision is detected with 1.2 seconds, the vehicle primes for an impact by closing the windows, tensioning the seatbelts, moving the headrests and adjusting the incline of the seats.

The Driver Assist Pack⁸ includes Adaptive Cruise Control with Steering Assist, Driver Condition Response, Blind Spot Assist and Rear Traffic Monitor as standard. Driver Condition Response⁸ can bring the New Range Rover to a halt if the driver fails to respond to a series of audio-visual prompts. The



intelligent technology detects if the driver's hands are on the wheel and maintains lane position while bringing the vehicle to a stop.

Activity Key 2.0

Land Rover's innovative Activity Key can be specified for heightened convenience, in addition to the pair of standard fobs. The water-resistant (4 ATM) and shock-proof wrist-worn device incorporates an LCD watch and allows customers to unlock any door, lock or start the vehicle using a button on the watch screen or its keyless entry functionality, all while the main key fob remains at home – a first for Range Rover.

ENDS

¹ Only available with the Pivi Pro and Online Pack options; Spotify subscription is required

² Apple CarPlay is a Trademark of Apple Inc. Apple Inc end-user terms may apply. Android Auto is a Trademark of Google LLC. The services offered by Apple CarPlay depend on feature availability in your country, please see <https://www.apple.com/ios/feature-availability/#apple-carpla> for more information.

The services offered by Android Auto depends on feature availability in your country, please https://www.android.com/intl/en_uk/auto/ for more information.

³ Rear Seat Touchscreen controller only available with Executive Rear seats

⁴ Available early 2022

⁵ Fair use policy may apply. After 20GB of data is used within a month, data speeds and functionality on vehicle may reduce for the rest of the month. Standard 1 year subscription, which can be extended after the initial term advised by your Land Rover Retailer

⁶ ClearSight GroundView dependent on 360 Surround Camera. Image is not live. Check surroundings for safety. Optional feature. Subject to local regulations. ClearSight Interior Rear View Mirror - If Bifocal or Varifocal users cannot easily adjust focus on the ClearSight digital rear view image, they may revert to rear view mirror mode at any time.

⁷ Compatible smart phones only

⁸ Driver Assist Pack Standard from SE specification. Driver Condition Response is part of Driver Assist Pack.