



LAND ROVER DISCOVERY SPORT: STATE-OF-THE-ART INFOTAINMENT AND DRIVER ASSISTANCE TECHNOLOGIES

- **State-of-the-art infotainment:** Land Rover's most advanced system, Pivi Pro, is standard for Discovery Sport. Intuitive menu structure takes users to the most popular features and functions from a single home screen in two taps or less
- **Greater connectivity:** Online media services include Spotify integrated as a 'media source' within the infotainment menu, with data include¹, Bluetooth connectivity for two phones at once, in addition to wireless charging with signal-boosting option
- **Software-Over-The-Air:** Dual-modem embedded SIM allows scheduled vehicle software updates 'over-the-air' – with no need to visit a retailer to ensure customers always have the most up-to-date apps, maps, services and vehicle software
- **Occupant wellbeing:** Cabin Air Filtration system filters out fine particulate matter, allergens, pollen and even strong smells. Check the levels on the touchscreen
- **Intelligent ADAS:** Comprehensive technology includes Rear Traffic and Rear Collision Monitors, plus optional 3D Surround Camera

The Discovery Sport, Land Rover's family-friendly 5+2 seat premium compact SUV, offers Land Rover's latest state-of-the-art infotainment, advanced driver assistance technology and a Cabin Air Filtration system capable of filtering allergens and harmful particulates inside the vehicle.

ADVANCED PIVI PRO INFOTAINMENT

Inspired by the latest mobile devices, the Land Rover Discovery Sport employs the very latest consumer technology to deliver its Pivi Pro infotainment system.

The system is underpinned by an Electrical Vehicle Architecture first introduced on the New Land Rover Defender. The architecture comprises 85 ECUs to support the next-generation of driver assistance and customer convenience systems. Featuring two embedded Qualcomm LTE modems – one dedicated to the Software-Over-The-Air (SOTA) technology and another looking after music streaming and apps – the electrical architecture ensures seamless connectivity and a quick start-up time, so customers don't need to wait for the system to load before performing actions such as entering navigation details. The system also has high-performance Snapdragon processors and an advanced QNX operating system for a responsive and intuitive experience.



Alex Heslop, Director of Electrical Engineering, Jaguar Land Rover, said: *“Infotainment in the Land Rover Discovery Sport has been transformed with our latest electric vehicle architecture and Pivi. The advanced hardware and software means the Discovery Sport is more digitally connected than ever. Our customers can benefit from a system as responsive and easy to use as a smartphone, which actually improves over time, thanks to Software-Over-The-Air updates.”*

Land Rover Discovery Sport’s SOTA updates mean customers can be assured they always have the latest apps, maps, services and vehicle features downloaded. The vehicle automatically searches for software updates and, when a new download is available, the driver is notified via the touchscreen. The installation starts once the vehicle is stopped, locked, alarmed and all windows are closed, with the installation time showing on a pop-up notification. Customers can also schedule their software updates up to 14 days in advance, at a time that suits them. Currently, multiple modules can be updated wirelessly. These span telematics, infotainment and vehicle control systems, improving the performance of core software to ensure the vehicle is operating at the latest level. A single software update can target multiple vehicle systems.

The touchscreen-operated Pivi Pro system includes its own separate rechargeable power source. This allows it to remain in a ‘sleep’ state when the vehicle is off. When the driver opens the vehicle, Pivi Pro is ready to go again in seconds, allowing customers to begin music streaming or entering navigation destination details straight away, without having to wait for the system to load.

The customisable home screen is at the heart of the system. It can be set up according to the driver’s preferences, for example providing key ‘at-a-glance’ information such as traffic updates and when to take the next turn. An easy-to-follow intuitive flat menu structure ensures customers can carry out everyday tasks directly from the home screen in two taps or less across phone, media and navigation systems – helping to significantly reduce driver distraction. The easily customised layouts reduce the number of steps by an average of 50 per cent versus previous systems.

Pivi Pro also allows two smartphones to be connected via Bluetooth at once, making life simpler for families or people with two devices such as a home and work smartphone. For outgoing calls, users can switch between phones directly from the homescreen in just two taps. The Online Pack also enables Pivi Pro to offer a range of services without even connecting a smartphone, including an embedded Spotify app with seamless streaming (dependent on subscription)¹ and live parking payments through the Park & Pay app².



TECHNOLOGY

With the Pivi Pro system and Online Pack, the whole family need no longer be concerned about data usage or buying a SIM. The vehicle comes with a dual modem embedded SIM (eSIM) and complimentary data plan which enables unlimited music streaming via Spotify, Deezer or TuneIn and map, weather and traffic updates simultaneously³. For everyone else in the car, customers can opt in for Wi-Fi Enabled with a data plan, allowing users to connect all their favourite devices⁴. USB-C sockets throughout enable faster charging of smartphones or tablets than before, with up to seven USB sockets available.

For customers with the plug-in hybrid P300e engine, Pivi Pro makes it easier to use public charging networks; showing where charging stations are (where the information is supported), if the charge station is currently available and what the cost is to use. The system will also display charge status and enable drivers to choose between three driving modes to best suit their needs: Hybrid mode, Electric Vehicle (EV) mode and Save mode. Using the Park and Pay app², which supports in-car payments, drivers can pay for parking using the vehicle touchscreen without having the correct change or even retrieving their smartphone.

Discovery Sport is also available with an optional wireless device charging pad within the 'fireplace' stowage area. Wireless charging includes signal boosting, ensuring the phone's signal remains stronger for longer. A Smartphone Pack with Apple CarPlay is standard, as is Bluetooth technology which can pair two phones at the same time, so the driver and passenger can both connect to the system. The Smartphone Pack also includes Android Auto as standard.

The second-generation Activity Key can also be specified in addition to the pair of standard fobs for heightened convenience. The water resistant and shock-proof wrist-worn device now incorporates an LCD watch. It conveniently allows customers to unlock any door, lock or even start the vehicle just by being nearby – with no need for a traditional key fob within the vehicle on any journey.

A CLEAN AND HEALTHY CABIN

Discovery Sport customers can also benefit from Land Rover's Advanced Cabin Air Filtration system, available as an option and extending the existing Cabin Air Ionisation technology that was introduced in 2019. These technologies filter out fine particulates – often found in polluted cities – and purify and recirculate air within the cabin in order to ensure the air customers breathe inside the vehicle is purer and cleaner than the air outside.

When switched on via the Purify button within the vehicle touchscreen, the system will reduce the number of in-cabin allergens and fine particulates down to and below 2.5 microns in size. Customers can also enable automatic activation of Purify mode. In this instance, when the sensors detect an



increase in harmful allergens or particulates, the system will turn on automatically and begin to purify the cabin.

Users will be able to view the effect of the purification action on the cabin air relative to the air outside on the touchscreen, denoted by a simple colour scale highlighting the indoor and outdoor air quality.

The Advanced Cabin Air Filtration system also incorporates an active carbon filter, to remove unpleasant odours and Volatile Organic Compounds (VOCs). Cabin Air Ionisation further enhances the air quality within the vehicle. The Cabin Air System uses Nanoe™ technology to condense moisture from cabin air, breaking it into tiny electrically charged particles that react with air contaminants, to neutralise odours, bacteria and allergens. Shielded by water, the particles last longer and disperse further than those from conventional ionisers, helping to maintain a healthier cabin atmosphere for longer.

ADVANCED DRIVER ASSISTANCE FEATURES

Other technology updates include a comprehensive suite of Advanced Driver Assistance features, such as Rear Collision Monitor with automatic braking. The Rear Collision Monitor uses radars to constantly monitor the vehicle's rear, meaning the Discovery Sport is primed to reduce the severity of the impact for the occupants, while the optional 3D Surround Camera lets the driver see what's happening around the vehicle at speeds of up to 30 km/h, making manoeuvring and even navigating difficult terrain even simpler.

These systems complement the ClearSight Ground View and ClearSight Interior Rear View Mirror technologies introduced in 2019; smart camera technology stitches together images below the bonnet, while the latter provides an interchangeable rear view mirror and video screen, for enhanced visibility.

ENDS

***Please note:** There is currently a global shortage of semi-conductor components. As a leading manufacturer utilising cutting edge technology, Land Rover is currently being affected by the shortage and as a result some features described will only be available in certain markets. We are working closely with affected suppliers to resolve the issues and minimise the impact on customer orders wherever possible.*

¹ Spotify Premium subscription is required. Usage depending on Data subscription

² Live parking payments require a payment plan and this service is only available in the UK

³ 4G data plan is subject to market availability. The unlimited data is provided by the eSIM and applies to connected services and features for their respective subscription periods; Connected Navigation is initially included for three years and the Online Pack connected services subscription is provided for an initial period of one year

⁴ Subject to market applicability. 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