



FREE EBOOK

Guide to Nissan Intelligent Mobility™



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Technology is taking over the automotive industry. With each passing year, new technology is released to make every one of your drives more convenient and enjoyable than the last. Nissan has gone above and beyond in recent years to deliver the latest in driving technology. Now, they're getting ready to roll out the advanced Nissan Intelligent Mobility™ bundle.

In this detailed informational guide, you'll find all the information you need to learn about this intelligent bundle of highly sought-after and never-before-seen technology features. Let's get started by delving into what the Nissan Intelligent Mobility™ system is exactly!

WHAT IS NISSAN INTELLIGENT MOBILITY™?

Since the invention of the motor car, engineers have worked meticulously to discover new ways to make the connection between the driver and the vehicle that much more seamless. With Nissan Intelligent Mobility™, Nissan has taken one large step closer to making your Nissan vehicle an extension of yourself.

This system is made up of advanced technology features that go above and beyond to keep you safe and enhance your confidence behind the wheel. It accomplishes this by bundling some of the most highly sought-after safety features on the market and then upping the ante even more.

Nissan Intelligent Mobility™ is broken down into a few different groups of technology, including Intelligent Driving features, Safety Shield technologies, and Intelligent Power features. Each of these groups of features tackles a different challenge that everyday drivers see.

Intelligent Driving includes: Forward Collision Warning, Blind Spot Warning, Lane Intervention, Back-Up Intervention, Around View® Monitor, Distance Control, and a variety of Safety Shield Technologies.

Safety Shield includes: Automatic Emergency Braking, Automatic Emergency Braking with Pedestrian Detection, Blind Spot Warning (BSW), Lane Departure Warning (LDW) and Lane Departure Prevention (LDP), Moving Object Detection (MOD), Rear Cross Traffic Alert (RCTA), Intelligent Cruise Control.

Intelligent Power includes: ProPILOT Assist.

These features do many different jobs that work together to enhance your overall driving experience. Read ahead to learn more about what each feature does!

NISSAN INTELLIGENT MOBILITY



INTELLIGENT DRIVING

Intelligent Driving focuses on making regular aspects of driving less stressful and more enjoyable. Read ahead to learn about what each Intelligent Driving feature does.

Intelligent Forward Collision Warning: This feature goes beyond the call of duty of a traditional forward collision warning feature. This feature uses sensors to monitor not one but *two* vehicles in front of you for potential collisions. When it detects danger ahead that you may not even see, it'll warn you, so you have enough time to react and avoid an accident.

Intelligent Blind Spot Warning: This feature fills in the holes in your vision. We can only see 90 degrees in either direction, which leaves 180 degrees of indiscernible territory on the road that you can't see. This feature fills in the blind spots of your vision and acts as a second set of eyes to help you change lanes safely. This feature will even nudge you back into your lane if you begin to merge when there's a vehicle in your blind spot.



Intelligent Lane Intervention: When you get on the road, this lane intervention feature will automatically look for and continuously monitor the lines of your lane. As you drive, this feature will continue to keep an eye on your lane lines. If it detects that you're getting too close to your lines or unintentionally merge, it'll nudge you back into your lane.

Intelligent Back-Up Intervention: This back-up intervention feature works similarly to the blind spot warning feature but while you're in reverse rather than when you're driving forward. When you're backing up, this feature will be on high alert and monitor the rear of your vehicle. Since this feature can see obstacles that you may not be able to, it'll automatically apply the brakes for you if it detects a vehicle coming your way to avoid a collision.

Intelligent Around View® Monitor: This monitor gives you a live bird's-eye view of your vehicle's surroundings. A series of sensors and cameras placed on the exterior of the vehicle stitch together a 360-degree view of what's going on around you right on the infotainment screen.

Intelligent Distance Control: This feature helps you get out of harm's way before potential harm even arises. It does this by helping you keep the perfect distance from other vehicles around you. An advanced sonar detects how far away other vehicles are from you on the road, and it'll nudge your foot off the gas pedal if it thinks you're getting too close to them.



SAFETY SHIELD TECHNOLOGIES

The Safety Shield Technologies work together with Nissan's other Intelligent Driving features but focus more on safety rather than convenience.

Automatic Emergency Braking: This feature uses a radar to keep an eye on the vehicle in front of you. If it detects that this vehicle is slowing down, it'll first let you know via audible and visual warnings. If you don't react in time, it'll automatically apply the brakes to help you get stopped in time.

Pedestrian Detection: This feature goes hand-in-hand with Automatic Emergency Braking except this feature extends that feature's capabilities to detect and stop for pedestrians as well as cars.

Lane Departure Warning (LDW) & Lane Departure Prevention (LDP): LDW and LDP keep track of where the lane lines are and let you know if you begin to drift from your lane, so you can get back on track. It'll even go as far as nudging you back with corrective movements.



Moving Object Detection (MOD): Using the cameras from the Around View® Monitor, this feature monitors your vehicle's surroundings for moving objects and gives you a heads up to avoid a collision.

Rear Cross Traffic Alert (RCTA): This feature works similarly to Intelligent Blind Spot Monitoring in the sense that it sets its sights on the spots in your vision that you have trouble seeing. When you're backing up, this feature will look out for cars coming your way that you might not see, so you don't back up into anything.

Intelligent Cruise Control: This feature goes beyond the cruise control call of duty of simply maintaining a set speed. This feature also maintains a set distance from the vehicle in front of you. When that vehicle slows down, this feature will automatically slow you down, too, to match that vehicle's speed.

INTELLIGENT POWER

Most times, driving is easier when you have a co-pilot to help you. Driving alone, especially on long drives, can be tough on one person doing all the work behind the wheel. That's why Nissan has created the ProPILOT Assist feature, which takes some of the workload off of the driver—so, no matter how long you're behind the wheel, your drive will be pleasant.



ProPILOT Assist

Like a co-pilot, Nissan's ProPILOT Assist was designed to take on some of the responsibilities that come with driving. Be it longer trips across the state or short commutes to work every day, having a co-pilot simply makes driving easier.

As a Level 2 Driver Assistance system, which categorizes this system as not quite fully autonomous, ProPILOT Assist makes driving easier by...

- Helping you keep a safe distance between you and the vehicle in front of you
- Helping you stay in the middle of your lane using small corrective steering inputs
- Taking over and combining some of the steering, acceleration, and braking responsibilities in highway traffic and long commutes
- Providing a visual breakdown of what's happening on the road ahead on the driver assistant display behind the steering wheel
- Applying the brakes if it detects a potential collision in front of you

This feature works hard to keep you safe, no matter what your driving conditions are, by essentially giving you a second pair of metaphorical eyes on the road. If you feel like you may not need it one time or another, you always have the option to deactivate it with the touch of a button on the steering wheel.



THE FUTURE OF NISSAN INTELLIGENT MOBILITY™

While the Nissan Intelligent Mobility™ features mentioned in the sections above may not be completely 100% autonomous, Nissan is heading in that direction with its future driver assistive technology. Right now, Nissan is in the process of developing what they call Brain-to-Vehicle Technology.

According to Nissan, this system will “deliver more excitement and driving pleasure by detecting, analyzing, and responding to driver’s brainwaves in real time.” Your advanced vehicle will then take this information and use it to predict your driving actions and respond to them in real time by carrying out this action for you automatically.

The science is not yet perfect, but this system will revolutionize the way we drive by “enhancing driver performance, enabling [drivers] to reach their full potential, while maintaining control,” according to Nissan.



READY TO EXPERIENCE NISSAN INTELLIGENT MOBILITY™?

As you can see, Nissan has taken driver assistive technology to the next level and is in the works of breaking new ground as we speak. You can experience the impressive Nissan Intelligent Mobility™ system today in several Nissan vehicles that are currently on the market.

Take the next step towards a better driving experience by locating a Nissan dealer near you and getting behind the wheel of one of Nissan’s incredibly smart vehicles!

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