

# RZ

RZ

LEXUS













At Lexus, we listen to the Earth's unheard voice.

For our Next Chapter, we developed the RZ on a BEV-specific platform to pursue a new joy of driving exclusive to Lexus.

Lexus has always been, and will always be, driven to stimulate and liberate the senses.

We strive to help people feel the voice that humanity has yet to hear, to feel the planet we call Earth and to move forward together with it.

It is a world rich with nature's language, from the resonance of water carried up a tree to the crunch of a beetle chewing.

In the same way, we mixed the distinctive timbre of BEV driving – a pleasant medley of motor and gears and inverters to create the voice of the RZ, using its unadulterated sound.

It's a heart-to-heart conversation between our home planet and the driver for a future filled with joy and prosperity.



# Driving Signature

## Driving Signature

The evolution of the Lexus Driving Signature through electrification technology

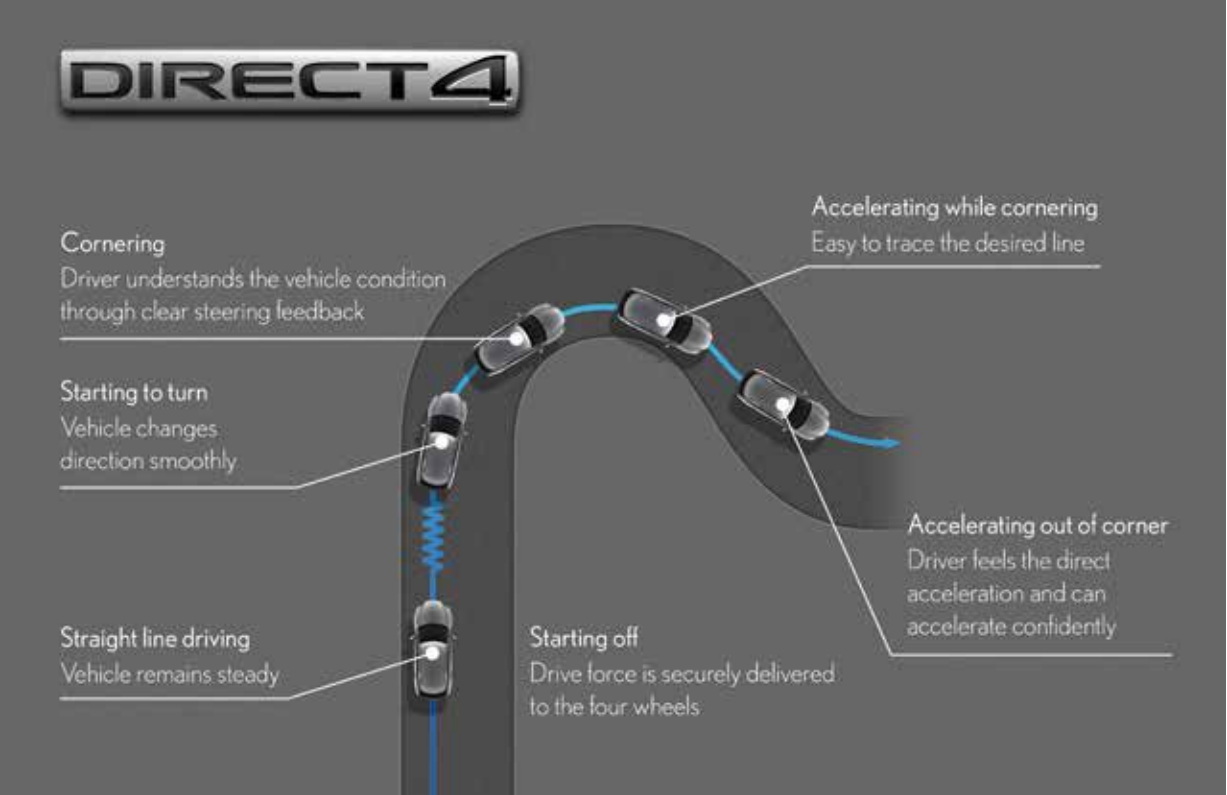


The Lexus Driving Signature is a uniquely Lexus driving experience that aims to deliver predictable, linear response according to the driver's intentions, providing an exhilarating feel of seamlessly connected acceleration, steering and deceleration in all driving conditions. It endows the RZ with impressive fundamental performance using high-precision motor torque control, together with optimal battery and motor placement to create ideal weight distribution and high response. It shapes "The Natural" driving concept based on the DIRECT4 AWD (All-Wheel-Drive) system that controls front and rear drive force according to driving and road surface conditions, providing driving performance that directly responds according to the driver's input. It also takes the Lexus Driving Signature to an even higher level.

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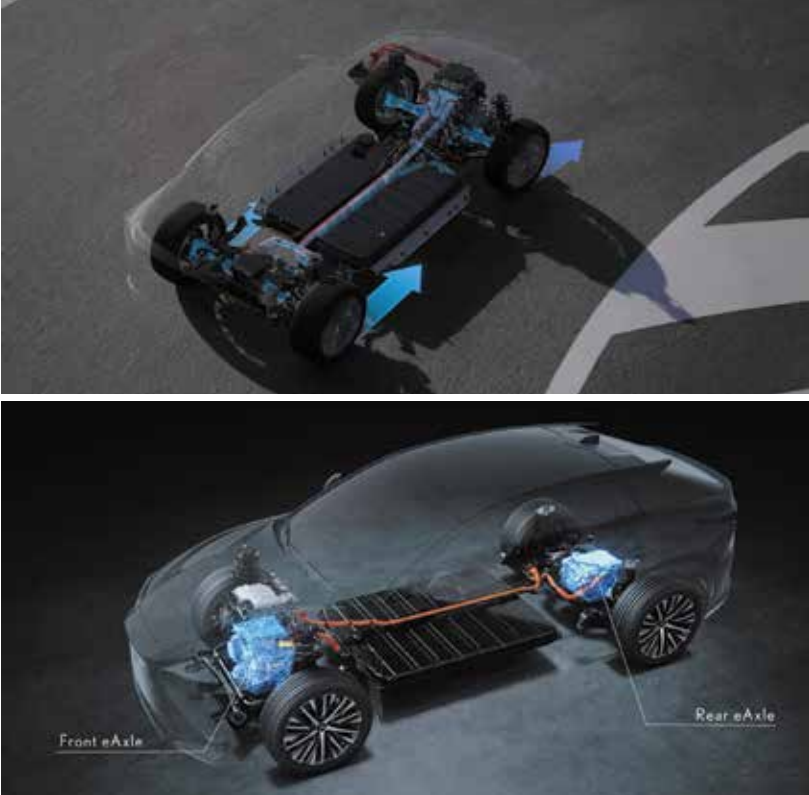


## Driving Signature



### DIRECT4

DIRECT4's drive force control uses information collected from wheel speed, acceleration, and steering angle sensors to help optimize the drive force distribution ratio of the front and rear wheels between 100:0 and 20:80 (front wheels: rear wheels), contributing to enhanced start-up acceleration, handling stability, and fuel economy. In addition, it stabilizes the driver's line-of-sight contributing to highly predictable driving, and passenger line-of-sight to enhance ride comfort. When accelerating from a standstill or in a straight line, the system controls vehicle pitch to provide a direct acceleration feel. When cornering, the system controls drive force distribution according to driving conditions, contributing to excellent handling stability, as well as an exhilarating performance that allows the vehicle to turn smoothly. Lexus has combined electrification and vehicle motion control technologies that it has cultivated over the years to deliver a driving experience where the driver can have an intimate dialogue with the car.



### Vehicle Braking Posture Control

The RZ features an electronically-controlled braking system that enables coordinated front and rear regeneration through independent front and rear hydraulic controls. Vehicle Braking Posture Control contributes to providing peace of mind with the linear braking feel and enhanced ground contact feel during braking by optimizing brake force distribution to the front and rear wheels in response to the amount of brake operation by the driver. In addition, stabilizing vehicle posture also stabilizes the driver's line-of-sight contributing to highly predictable driving.



### BEV System

The BEV system delivers powerful performance and sufficient driving range. It combines eAxes on both the front and rear in an AWD system, together with a large-capacity lithium ion battery with an enhanced cooling system. The eAxes fully integrate the motor, transaxle, and inverter in a compact unit to enhance cruise range and enable a spacious interior and stylish design. The front eAxle is packaged in a short front/rear shape, while the rear eAxle features a low-profile shape that contributes to cabin and luggage space. The large battery pack is designed as part of the body frame, helping lower the center of gravity, enhance body rigidity, and create a spacious cabin. The battery cooling system enhances driving and charging performance, and battery life. Optimizing the position of the cooler also contributes to a high level of both cooling and safety performance. A battery heating system contributes to short charging times in low temperature conditions.





Charging

The high-efficiency charging system features a compact, lightweight onboard charger. The charging port integrates a charging indicator and a charging inlet lamp to notify users that charging is in progress. A lid lock system prevents opening and tampering by third parties when the vehicle is parked, and a charging connector lock system prevents removal by third parties during or after AC/DC charging, enhancing a sense of security. My Room mode enables the use of electrical equipment such as the air conditioning and audio system with an external power source when the charging connector is connected, allowing occupants to comfortably spend time in the cabin without the worry of the battery going flat.\*

\*My Room mode is not available during V2H charging/V2H power supply.



DC Charging

A DC inlet integrated in the left front fender with a maximum 150kW charging capability contributes to short charging times.

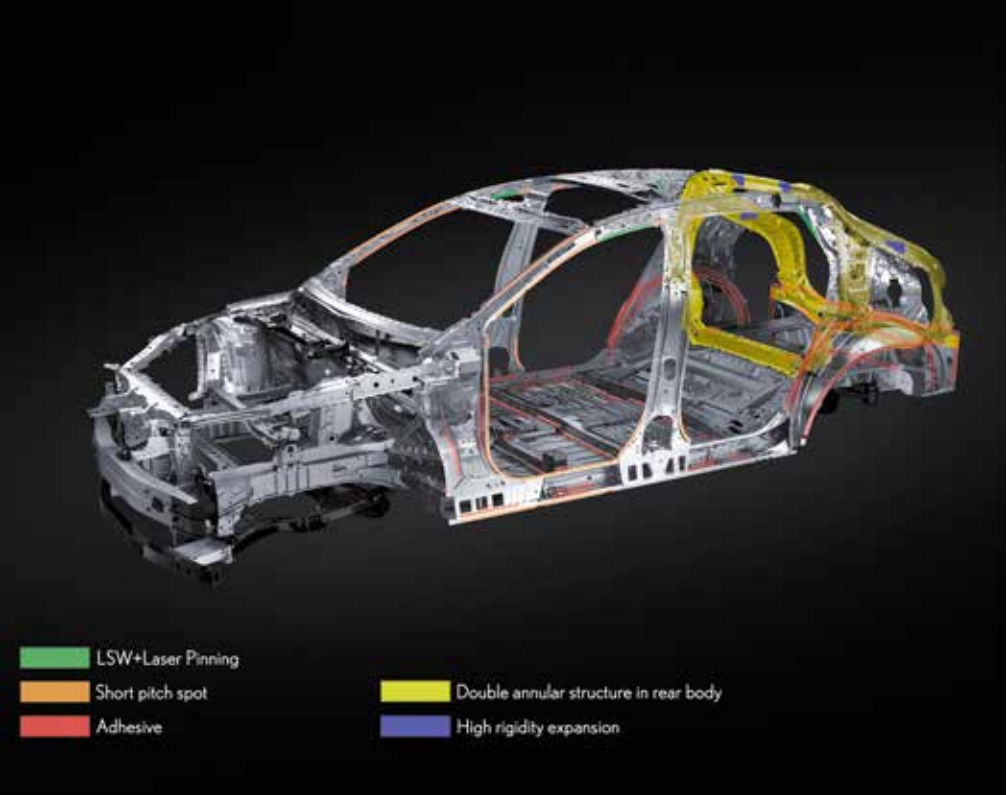


AC charging

The AC charging system uses an AC electrical socket and a charging cable, or an AC charging stand. An AC inlet integrated into the front fender features a push-open charging port lid. A charging schedule system lets you register a charging schedule with your preferred timing of two charging modes. Start: AC charging starts at the specified time; Departure: Completes AC charging by a specified departure time.

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Body rigidity

Structural adhesives, LSW (Laser Screw Welding) and laser pinning welding technologies were used to reinforce the body frame joints, enhancing both handling stability and ride comfort. The addition of a double ring structure and use of high rigidity foam helps prevent distortion to reduce cross-sectional deformation of the rear luggage space opening.



Lightweight body

A focus on creating a lightweight, high-rigidity body contributes to enhancing driving range. The front and center pillars and front rails were created using the patchwork construction method which overlaps panels of 1.8GPa and 1.5GPa materials, welds them in their flat state, then hot stamp molds the required shape. Further weight reduction was enabled by using cold-rolled steel sheets with a tensile strength of 1,470MPa for the roof center reinforcement, lightweight aluminum for the hood, and foam resin molding for the door and wheel arch moldings, and back door garnish.



Suspension

The RZ features MacPherson strut type front suspension and trailing arm double wishbone rear suspension. The front suspension integrates a FRD II (Frequency Reactive Damper) frequency-sensitive absorber that varies the dampening force on the extension stroke in response to road surface frequency input, providing a high level of handling stability without compromising ride comfort. Together, FRD and the dedicated BEV platform enable key Lexus Driving Signature traits including precise control of sprung weight, natural posture changes, a tactile steering feel, and linear responses to steering, braking, and acceleration operations.



Aerodynamics

Design modelling made possible by a BEV and a focus on the reduction of aerodynamic drag (Cd) contributed to excellent aerodynamic performance that extends the cruising range. A longitudinal vortex generated by the sides of the distinctive roof spoiler suppresses aerodynamic force on the body in a crosswind, enhancing driving stability. The center of the roof is shaped to allow air to flow smoothly from the sloped rear glass surface to the rear of the vehicle. The ducktail shape on the end of the luggage space reduces aerodynamic drag by balancing rear air flow, and at the same time generates downforce that contributes to a stable driving feel. Undercovers flatten the underbody to reduce aerodynamic drag. The front undercover features a dimpled surface that generates micro vortices under the floor, enhancing the sense of ground contact and contributing to stability. Having no engine to cool resulted in a low hood design and minimal front grille opening. When cooling air is not required, the grille shutter is closed to enhance aerodynamic efficiency.

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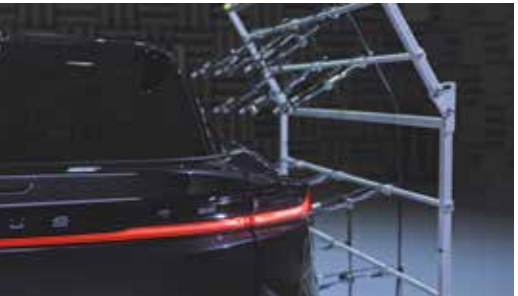
A quiet space with a special Lexus sound

Lexus paid careful attention to refining quietness in the cabin, based on the concept that no unpleasant sounds are created in or intrude into the cabin. Controlling air flow around the vehicle helped to significantly subdue wind noise, while locating the battery underfloor creates a sound barrier that reduces the intrusion of road noise. The result is a very quiet, conversation-friendly space, where front and rear seat passengers can talk together easily even when driving at high speeds.



Quietness

The pursuit of quietness in the details further optimizes comfort in the cabin. In addition to the underfloor battery, a seal around the entire hood opening helps block outflow of air from gaps around the hood, suppressing noise generation. Unwanted noise is further suppressed through the use of acoustic glass in the front and rear door windows, enhanced by the noise-reducing cross section of the glass run between the windows. Additional noise reducing measures include the use of a dash inner silencer, vibration-damping material in the roof panel, foam coating on the bases of the front and center pillars, fender liners and insulators in the cowl, hood and wheel house.



ASC (Active Sound Control)

Even as they refined the legendary Lexus quietness in the cabin, to enhance the dialogue between car and driver our engineers created expressive in-cabin sounds that convey the exhilaration of driving. In the RZ, they matched sound frequencies to the vehicle's speed, together with sound levels during dynamic actions such as acceleration. The tone and acoustic transmission characteristics of the drivetrain's sounds were tuned to provide a pleasant driving experience.

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# Design



## Design

A design that pursues a unique identity and proportions born from a dynamic driving experience



The RZ shapes the next-generation Lexus design language by pursuing a unique identity and proportions born from a dynamic driving experience. The design concept “Seamless E-Motion” expresses the seamless acceleration and dynamic torque unique to a BEV. In addition, eliminating the internal combustion engine changed the functional needs of the front end, challenging Lexus to create a fresh visual identity that adopts the “spindle body” design.



Designers created a form that is instantly recognizable as a Lexus BEV by emphasizing a robust stance with a low center of gravity, a combination that expresses the excellent driving performance. The staggered front and rear tires with a wider tread in the rear and large diameter tires effectively transmit power from the high-output motor to the road surface. The distinctive BEV silhouette starts with a low nose and flows smoothly into the cabin, with a peak towards the rear emphasizing ample rear seat comfort. The long wheelbase creates a stretched impression, reinforced by the long horizontal lines of the doors.





Design Concept - Front

The spindle grille, an icon of Lexus design, has evolved from a graphic into a three-dimensional mass we call the “spindle body”. The three-dimensional front fenders - made possible through the combined efforts of design and manufacturing technology - flank both sides of the central spindle body, while the shapes and color scheme assert the Lexus BEV character.



Headlamps

Single-projector, high/low beam Bi-AHS (Adaptive High-beam System) headlamps provide excellent light distribution in an appealing design. A black-toned extension under the main beam and turn indicators creates a subdued presence that highlights the bold L-signature of the DRL (Daytime Running Light).



Design Concept - Side

The front fenders seemingly wrap around the wheels and tires, then flow rearward to express a powerful forward momentum. The strong three-dimensional shape over the rear fenders emphasizes the tires’ width and communicates the dynamic performance of DIRECT4. In addition, the flowing contrast of the doors’ sculpted shapes creates a seductive and visually impactful surface quality.



Design Concept - Rear

The rear features a simple, precise horizontal design matched to the hips to highlight the wide stance, and express the RZ’s torque-filled performance identity. The Lexus name logo is integrated into the horizontal rear combination lamps, the thinner red lens in the center of the light bar running underneath accentuates the logo type and reinforces the sharp look.

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Instrument panel

The flowing shape originating at the cowl and leading to the doors integrates with the low position of the instrument panel, while the simple door trim and the console passing between the driver and passenger seat present a clean, wide-open impression. In addition, the Ultrasuede seats and upper wood-grain console create a refined omotenashi space.



Interior space

The long wheelbase provides a spacious rear seat space with a couple distance of 1,000mm (39.3in). The rearward peaked cabin silhouette allows ample rear headroom, providing a sense of spaciousness for passengers. In addition, the panoramic roof further lends a feeling of wide openness and front-to-rear expansiveness.





### Cockpit (Tazuna concept)

The cockpit design is based on the Tazuna concept, a layout that advances Lexus' human-centered philosophy. Inspired by Tazuna, Japanese for the reins that riders use to control a horse, the steering wheel features switches that are precisely synced with the Head-up Display, creating a space where drivers can concentrate on driving. Navigation, audio, and various functions can be controlled without the need for extra eye movement or complicated switch operations.

### Head-up Display

A color Head-up Display projects key driving information in the driver's field of view on the bottom of the windshield glass. Three display modes are provided to enhance driving enjoyment, while maintaining an ample field of view for checking road conditions around the vehicle.

### Touch tracing operation

The steering wheel features touch tracing operation, which detects where the driver is touching the steering wheel switch, and displays operational guidance on the color Head-up Display. It enables intuitive driving operation while looking ahead, without the need to look down at your hands.



### Meters

The meter display provides excellent readability and visualization of vital information. The content layout was designed to enable checking of necessary information while driving, with permanent display of NAVI route information and scheduled arrival time, driver assist system status and driving range. A stop lamp activation indicator provides peace of mind during deceleration by the advanced safety systems.



### 14-inch touch display

The center 14-inch touch display provides many functions integrated into its soft switches. Careful attention was paid to the size, shape, layout, and information displayed on the switches, pursuing optimum placement and shape for intuitive operation, while also considering how often each function is used.



### Rotary shifter

The rotary dial-type shift knob on the center console is enabled by a shift-by-wire mechanism. The crafted design offers a tactile feel and provides stable shifting operation by pressing and turning the knob, as well as contributing to the advanced cockpit design characteristic of a BEV.





Seat material (Ultrasuede)

The Ultrasuede used for the seat upholstery is partially made from plant-derived raw materials. 'Ultrasuede', a high-quality suede-effect synthetic leather, offers outstanding durability as well as an excellent tactile feel.



Synthetic leather (Cloud pattern)

With a cloud pattern, synthetic leather evokes a high-quality feel of natural, unfinished leather with a sense of depth.



Shadowy illumination

It illuminates the door trim ornamentation by producing varying shadows as the doors open and close, adding an original 'afterglow' in the interior space.



Interior illumination

The multi-color illumination around the instrument panel creates a spacious, immersive atmosphere even at night. 14 colors were carefully selected to express the changing emotions and feelings of witnessing beautiful natural phenomena. In addition to the theme colors, you can select from 50 additional colors from a color palette that can be displayed in the center display.





# Advanced Technology

## Advanced Technology

Lexus is continuously developing safety technologies with one goal: Zero fatalities and injuries from traffic accidents. To get closer to realizing this goal, the RZ incorporates Lexus Safety System+. By expanding and evolving each function and adding new systems, we aim to prevent traffic accidents, further reduce traffic fatalities, and reduce the burden on the driver.



Advanced Technology

Pre-Collision System

When the millimeter-wave radar and monocular camera sensors detect a vehicle, pedestrian, bicyclist or motorcycle\*<sup>1</sup> ahead and determine that a collision is likely, it alerts the driver with a buzzer and on the display. If the driver activates the brakes, pre-collision brake assist supplements the force being applied to the pedal. If the driver cannot depress the brake pedal, the system automatically activates pre-collision braking to help avoid a collision or mitigate the impact force. If the system determines there is a high possibility of a frontal collision with an oncoming vehicle\*<sup>2</sup>, it alerts the driver and activates the brakes to help mitigate injury to people and damage to the vehicle.



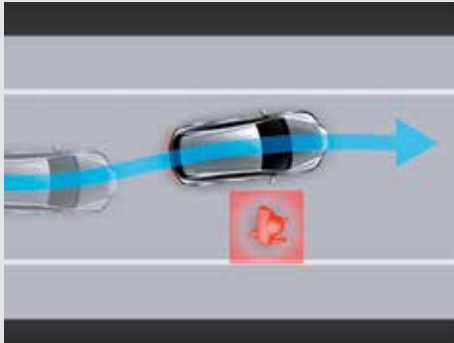
Intersection Assistance (Crossing Vehicle)

In addition to the normal Pre-Collision System operating range, the system also supports collision avoidance with vehicles and motorcycles crossing at intersections. If the system determines that a collision is likely, it alerts the driver and activates the brakes to help mitigate damage.\*<sup>3</sup>



Intersection Assistance (Right/Left Turn)

When turning right or left at an intersection, if the millimeter-wave radar and monocular camera sensors detect an oncoming vehicle (in up to 2 adjacent lanes) going straight when turning right or left, or pedestrians and bicyclists crossing from the opposite direction, it alerts the driver and activates the brakes to help avoid a collision and mitigate damage.\*<sup>3</sup>



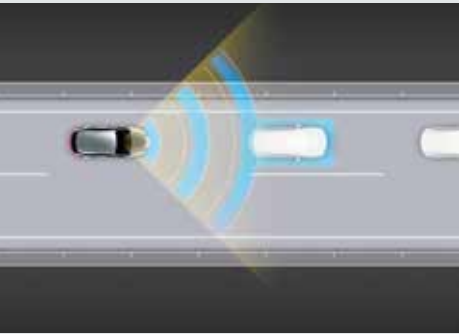
Emergency Steering Assist

If the Emergency Steering Assist system detects a collision with a vehicle, motorcycle, pedestrian or bicyclist ahead is likely, there is sufficient space for the vehicle to be steered within its lane and the driver has begun an evasive steering maneuver, it assists steering to help enhance vehicle stability and prevent lane departure. In addition, even if the driver doesn't move the steering wheel, an optional active steering function supports collision avoidance by steering the vehicle within its lane while gently braking.\*<sup>4</sup>



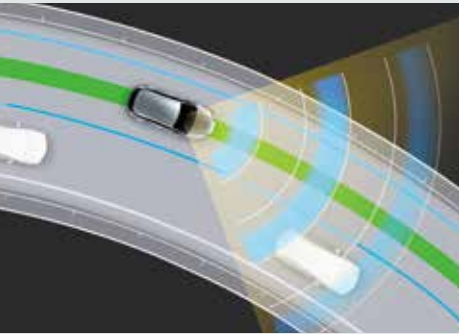
Acceleration Suppression at Low Speed

The millimeter-wave radar and monocular camera sensors detect pedestrians, bicyclists, and vehicles in front of the vehicle. If the accelerator is depressed strongly while the vehicle is stopped or traveling slowly with an object in front, the system limits acceleration by reducing BEV system output or low G braking to help avoid a collision or mitigate damage. In addition, when a collision is avoided and the vehicle stops, braking force is maintained until the driver operates the accelerator or brake.\*<sup>5</sup>



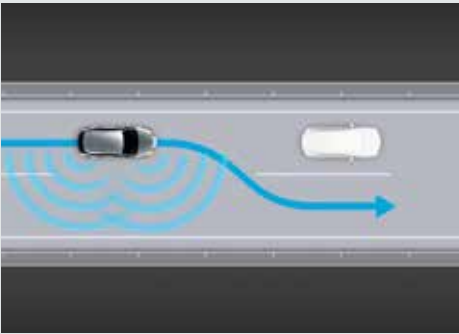
Dynamic Radar Cruise Control (With full speed range)

In addition to maintaining a constant speed, Dynamic Radar Cruise Control uses the millimeter-wave radar and monocular camera sensors to detect a vehicle driving ahead and maintain an appropriate distance between vehicles. When the driver operates the turn signal lamp at approximately 80km/h or over, preliminary acceleration is applied when following a preceding vehicle that is travelling slower than the preset vehicle speed, or preliminary deceleration is applied when changing lanes into a lane where there is a preceding vehicle that is travelling slower than the preset vehicle speed, helping smooth overtaking and lane change. Furthermore, when approaching and driving through a curve, a Curve Speed Reduction Function decelerates the vehicle, reducing the need to cancel Dynamic Radar Cruise Control operation, enhancing driver convenience.



LTA (Lane Tracing Assist)

When driving on expressways or automobile-only roads with lane lines using Dynamic Radar Cruise Control, the system helps assist the steering operation required to keep the vehicle in its lane. Enhanced recognition and control performance enable assistance on gentle curves, smoothly keeping the vehicle in the center of its lane with minimal swaying.



LCA (Lane Change Assist)

While driving on highways and automobile-only roads with LTA activated, LCA activates when the driver operates the turn signal lever to assist steering operations to change lanes and monitoring vehicles in the target lane. After the lane change is completed, the turn signal lamp automatically turns off.

RSA (Road Sign Assist)

To help support safe driving, RSA uses the monocular camera to detect road signs such as speed limit signs, and displays them on the multi-information display and Head-up Display. While a speed limit sign is displayed, RSA notifies the driver if the vehicle speed exceeds "the displayed speed limit + the specified threshold value".\*<sup>6</sup>

AHS (Adaptive High Beam System)

The system detects the headlamps and tail lamps of other vehicles on the road, and the ambient brightness of the road and surrounding areas. When it detects a vehicle within the area illuminated by the high beams, it will individually dim/brighten 12 LEDs in each headlamp to precisely control the lit and unlit areas, optimizing light distribution for both the driver and other road users. By partially dimming light from the high beam headlamps so that they don't directly shine towards another vehicle on the road, the system helps enhance visibility at night.

AHB (Automatic High Beam)

Automatic High Beam, which automatically turns the high beam lamps off if another vehicle is detected and automatically turns the high beam lamps on once the vehicle is gone, has been adopted.

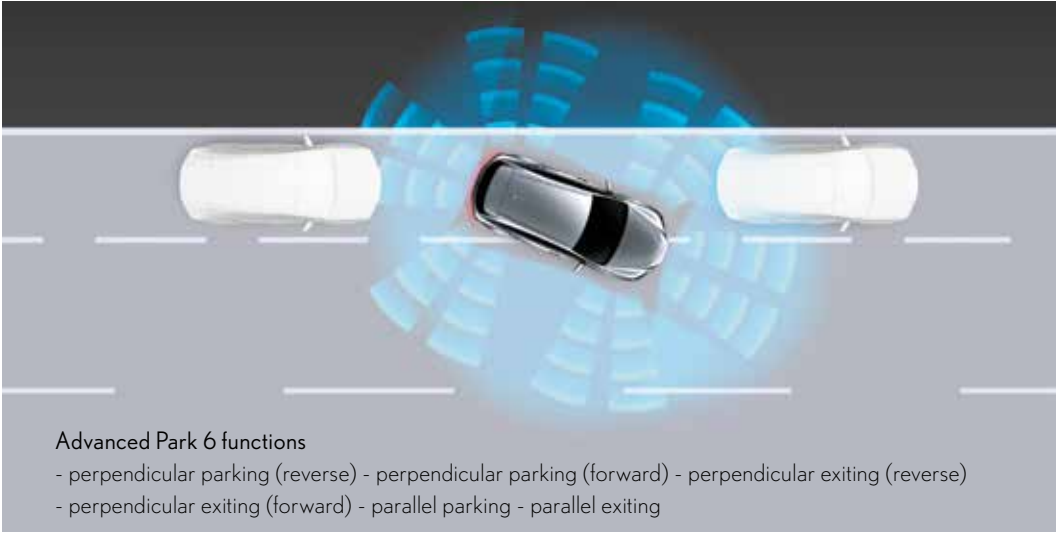
Emergency Driving Stop System

If the driver becomes unable to operate the vehicle while LTA is activated, for example due to sudden illness, the system slows the vehicle to a stop within the lane while warning others in the area to reduce the risk of causing an accident resulting in damage to the driver and/or other parties.

\*<sup>1</sup> Pedestrian, bicyclist and motorcycle detection is not available in some markets. Please inquire at your local dealer for details.  
\*<sup>2</sup> Covers frontal collisions and collisions with oncoming vehicles deviating from their lane. Pre-collision Brake Assist does not operate.  
\*<sup>3</sup> Depending on the intersection configuration, the system may not provide the required support. Pre-collision Brake Assist does not operate.  
\*<sup>4</sup> The system may not operate if it determines there is insufficient evasion space or an obstacle within the evasion space, or objects with a certain lateral speed such as pedestrians crossing.  
\*<sup>5</sup> This function is not an alternative for the Parking Support Brake.  
\*<sup>6</sup> Recognized road signs vary by country and system specs.

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The system functions may not operate properly depending on the weather, road and vehicle conditions or other factors. Be sure to read the Owner's Manual carefully. Do not overly rely on these systems, as there is a limit to the performance they can provide. The driver is always responsible for paying attention to the vehicle's surroundings and driving safely.

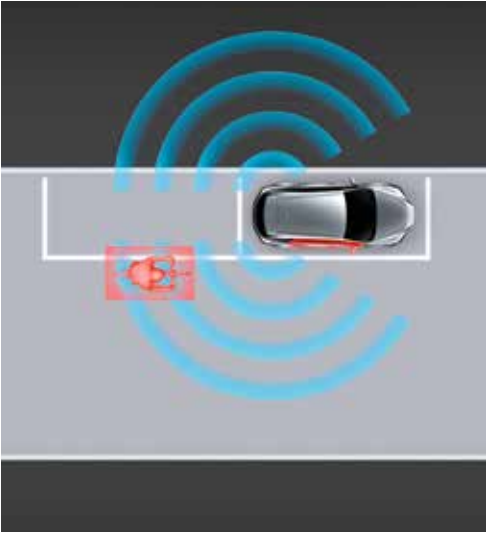




Lexus Teammate Advanced Park

Combining information from cameras and ultrasonic sensors that monitor the vehicle's surroundings, Advanced Park supports appropriate recognition and parking in open parking spots. In addition to automatically controlling steering, accelerating, braking and shift changes, it provides smooth parking by continuously displaying a bird's-eye view of blind spots and the target car park location.

Parking operation starts smoothly once the driver stops next to the parking space, presses the main switch, checks the vehicle's surroundings and the parking space, and presses the start switch on the display. Information about the vehicle's surroundings is communicated to the driver in an easy-to-understand manner, showing the locations of obstacles on the display. If there is the possibility of hitting an obstacle, it alerts the driver and helps avoid it by applying brake control.

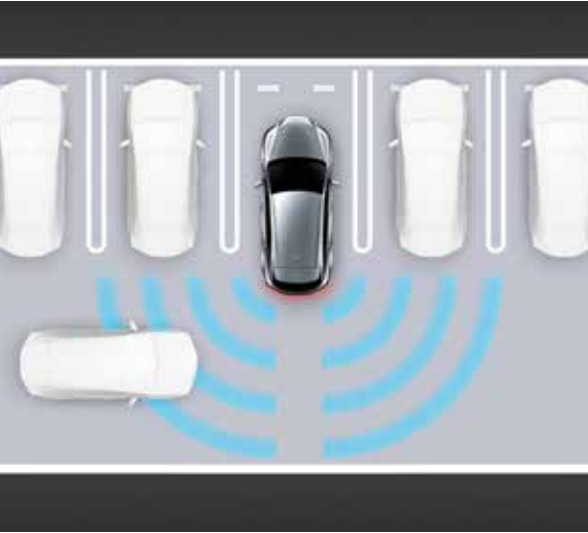


SEA (Safe Exit Assist) with door opening control

SEA uses the BSM (Blind Spot Monitor System) to detect vehicles (including bicycles) approaching from the rear when exiting the vehicle. If SEA determines a collision with an opened door or exiting occupants is a possibility, an indicator in the door mirror lights up to alert occupants. In addition, if an occupant tries to open a door, the e-latch system cancels door unlatch operation. Occupants are alerted by flashing indicators in the door mirror, the multi-information display, and a buzzer.

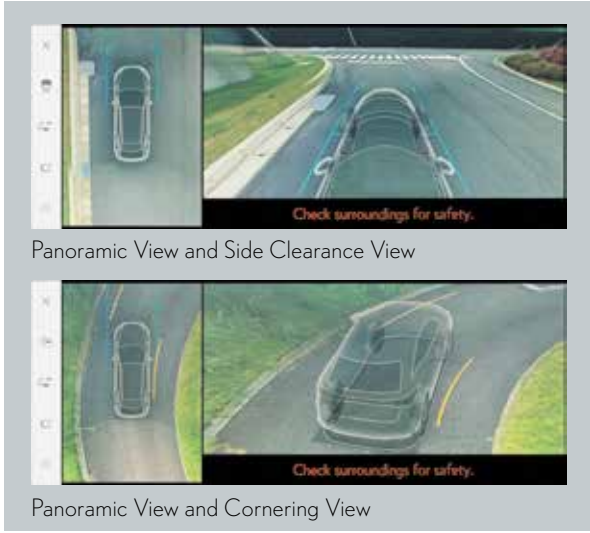
BSM (Blind Spot Monitor)

During lane changes, the BSM uses rear lateral side millimeter-wave radar to detect vehicles present in the blind spots (areas in adjacent lanes that cannot be seen using the outer mirrors), and alerts the driver using an indicator in the outer mirror and a buzzer.



PKSB (Parking Support Brake)

While the vehicle is travelling at a low speed, if there is a possibility of contact with a static object around the vehicle, a vehicle or a pedestrian approaching from the rear<sup>\*2</sup>, the system applies drive force control and brake control. Detection covers a wide area surrounding the vehicle, helping to avoid minor collisions and reduce damage.



Panoramic View Monitor

Panoramic View Monitor combines video from cameras mounted on the front, sides and rear of the vehicle to display a composite image showing a bird's-eye view of the vehicle, helping the driver to check areas around the vehicle that are difficult to see from the driver's seat.

The monitor offers 3 views: See-through View, looks through the body and seats as if they were transparent; Side Clearance View, lets you check the sides of the vehicle for safe clearance; and Cornering View, helps you avoid hitting obstacles on narrow roads.



Digital Rear-view Mirror

A Digital Rear-view Mirror displays images from the backup camera at the rear of the vehicle on the in-mirror display, providing a wide field of view and images adjusted for clarity, enhancing excellent visibility even when it is difficult to check behind the vehicle. In addition, a camera-washer system helps remove dirt including raindrops, mud, snow and snow melting agents.

<sup>\*1</sup> Smartphone operation requires the driver to have an Electronic Key.  
<sup>\*2</sup> Detection of stationary objects around the vehicle, vehicles and pedestrians approaching from behind while reversing is not available in some markets.

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# Other Equipment

## Other Equipment

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Creating a comfortable space with refined Lexus functionality



### Lexus Climate Concierge

Lexus Climate Concierge coordinates with independent left and right temperature controls to automatically control the front seat heaters and steering wheel heater when the heater is on, or the front seat ventilation when the air conditioning is on, providing optimal comfort for each occupant.





**Panoramic roof**

The panoramic roof extends from above the front seats to above the rear seats, contributing to a feeling of wide-open space. Low-e (low-emissivity) glass provides heat shielding, thermal insulation, and cuts UV by 99%, helping to keep the cabin comfortable even in harsh environments such as direct sunlight. A dimming function which instantly blocks light according to the passengers' needs, eliminates the need for a sunshade.



**Wireless charger**

Enables wireless charging of Qi-compatible smartphones and electronic devices simply by placing them on the charger tray.



**Under console storage space**

This convenient storage space has room for the owner's manual plus a box of tissues, and eliminates the need for a glove box, enhancing front passenger leg room. The console passing between the driver and passenger seat presents a clean, wide-open impression.



**nanoeX**

The climate control system integrates advanced nanoeX technology which discharges mildly acidic nanoe ions from the air conditioner registers, helping to fill the cabin with fresh air.



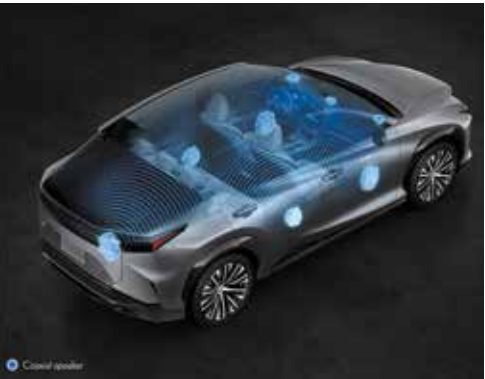
**Console rear end**

2 USB Type C charging ports in the console rear end panel and a DC12V socket or AC outlet in the console rear end lower panel enhance the convenient use of digital devices in the rear seats.



**e-latch**

An e-latch system replaces the conventional door latch/unlatch mechanism with an electronic control that opens and closes doors smoothly with no wasted movements, like a sliding shoji paper door. To open a door when getting in, simply press the switch on the inside of the door handle while pulling the handle towards you in the usual way. When getting out, the door opens in a single action by pressing a switch while holding the pull handle. If the battery power supply is cut, for instance due to a collision, the doors can be opened using a manual release handle.



**Mark Levinson Premium Surround Sound System**

Developed specifically for the RZ to deliver audio purity, power and precision, the 13-speaker system delivers high-end sound when playing all music genres. The discrete amp system allows playback of high-resolution sound sources. A 22.4cm box subwoofer with large neodymium magnetic circuit integrated in the back door provides rich, deep and clear bass.



**Luggage space**

The luggage space provides excellent capacity for a BEV, with room for 3 golf bags or a 140-liter plus a 90-liter suitcase. In addition, the ample storage under the deck board enabled by optimal layout of BEV components provides practical storage spaces. The folding tonneau cover opens and closes together with the back door for easy access without unnecessary bending. To accommodate tall items, the tonneau cover can be folded and stored on or under the deck. The position and lens color of the two LED lamps in the side of luggage space and LED lamp in the back door were optimized to enhance their appearance.



EXTERIOR COLORS



Sonic Quartz <085>



Sonic Chrome <1L1>



Sonic Iridium <1L2>



Graphite Black Glass Flake <223>



Sonic Copper <4Y5>



Aether Metallic <8Z2>

TWO-TONE COLORS



Sonic Copper <4Y5>/Black <202> (2YF)



Aether Metallic <8Z2>/Black <202> (2YG)



Sonic Chrome <1L1>/Black <202> (2YH)

WHEELS



20-inch aluminum wheels  
(Dark Premium Metallic, Luxury)



INTERIOR COLORS



Orage/Ultrasuede



Hazel/Ultrasuede



Grayscale/Ultrasuede

SEATING MATERIALS



Ultrasuede



SPECIFICATIONS

ENGINE	RZ450e LUXURY
Motor Generator	Permanent Magnet Motor
Wheel Drive System	Direct 4 (Dual Motor)
Transmission	Single Speed Transmission
Acceleration 0-100km/h	5.3 seconds
Top Speed	160 km/h
Max Ouput	230kW (309hp)
Max Torque	435 Nm
Plug-in Electric Consumption	18.7kWh/100km
Range (WLTP)	Up to 440km
Battery Capacity	71.4kWh
CO2 Emissions	75g/km
VES Banding	A1
RZ 450e MOTOR AND BATTERY	
Motor Type	Permanent Magnet Motor
Battery Type	Lithium-ion
Battery Capacity	71.4 kWh
Battery Cooling System	Water-cooling + heating
AC Charging Time	10 hours
DC Charging Time	30 minutes
CHASSIS	
Brake	Ventilated Disc
Suspension	Macpherson Strut / Double Wishbone
Steering System	Electronic Power System
MEASUREMENTS	
Length	4,805mm
Width	1,895mm
Height	1,635mm
Wheelbase	2,850mm
Tread (Front)	1,610mm
Tread (Rear)	1,620mm
Min. Turning Radius (Tyre)	5.6m
Kerb Weight	2125kg
Gross Vehicle Weight	2,640kg
Boot Capacity	522L



- Addition of extra features may change figures in this chart.  
- Toyota Motor Corporation reserves the right to alter any details of specifications and equipment without notice.  
Details of specifications and equipment are also subject to change to suit local conditions and requirements.  
Please inquire at your local dealer for details of any such changes that might be required for your area.  
Note: Vehicles pictured and specifications detailed in this catalog may vary from models and equipment available in your area.  
- Vehicle body color might differ slightly from the printed photos in this catalog.

FEATURES

ULTIMATE COMFORT	RZ450e LUXURY
Electrically Adjustable Steering Wheel with Touch Sensor	•
Leather Wrapped Steering Wheel with Paddle Shifters	•
Smart Keyless Entry & Push Start Button	•
Original Factory Fitted Upholstery	Ultrasuede
Illuminated Entry System	•
Multi-Colour Ambient Illumination (64 colors)	•
Seat Lumbar Support	•
Memory Seat	•
Air Ventilated Front Seats	•
Driver & Passenger Adjustable Seats	•
nanoeX™ Ion Generator	•
3-zone Climate Control	•
Panoramic Roof with dimming function	•
Acoustic Glass	Front / Rear
Tsuyasumi Film Instrumental Panel Finish	•
Stainless Steel Door Scuff Plate	•
INTUITIVE TECHNOLOGY	
LED Headlamps	•
LED Daytime Running Lights	•
LED Conering Lamps	•
LED Rear Combination Lamps with Light Bar	•
LED High Mount Stop Lamp	•
Auto-folding EC Anti-glare Aspherical Outer Mirror (with Mirror, Heater, Blind-Spot Monitoring & Reverse-linked Tilt Function)	•
Side indicator on Door Mirror	•
Illuminated Entry System	•
Rain Sensing Wiper	•
Drive Modes Select (Eco / Normal / Sport / Custom)	•
Colour Head-Up Display (HUD)	•
Lexus Teammate (Advanced Park)	•
14" Touch Display with Apple CarPlay (wireless) and Android Auto Connectivity	•
Shift Lever And Knob	Rotary Shifter
12V DC Accessory Socket	Front / Rear / Boot
Wireless Charging	•
40 / 60 Folding & Reclining Rear Seats	•
Hands Free Power Back Door with Kick Sensor	•
Front Bumper Grille Shutters	•
Frequency Reactive Damper (FRD II) Suspension	•
E-Latch Inside & Outside Door Handle	•
Charging System	DC: CCS2 / AC: Type 2
Brake Hold	•
Performance Rod	Front / Rear
Regenerative Braking Force Indicator	•
AUDIO & ENTERTAINMENT	
Mark Levinson Premium Surround Sound with 13 Speakers	•
USB Port	Front / Rear
Antenna	Shark Fin
Active Sound Control (ASC)	•
360° PROTECTION	
Lexus Safety Sense+ 3 (LSS+ 3.0) (DRCC, PCS, LDA, LCA, CTA)	•
Panoramic View Monitor with Distance Guidelines (PVM)	•
Parking Support Brake with clearance sonar	Front / Rear
SRS Airbags	•
Seatbelt w/ Pretensioner & Force Limiter	Front / Rear
ISOFIX Anchors	•
Control Systems (VSC, TRC, DAC, ABS, BA, ACA, SCB, Hill-Start Assist)	•
Tire Pressure Warning System with Auto Location	•
Surplus Energy Indicator	•
Safe Exit Assist (SEA)	•
RIMS & TYRES	
235/50R20 Dark Premium Metallic, Luxury	•





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