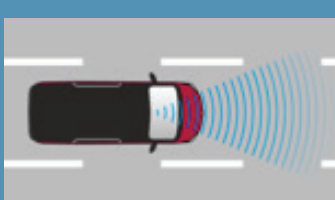


# NISSAN'S AUTONOMOUS DRIVE TECHNOLOGY

## ProPILOT\*

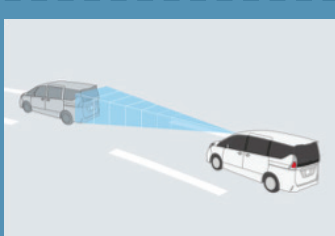
THE FIRST FULL AUTOMATION OF THE STEERING WHEEL, ACCELERATOR AND BRAKE FROM A JAPANESE AUTOMAKER.



### 1

#### Maintain speed

If there is no preceding vehicle, ProPILOT will automatically control accelerator to drive at speed preset by the driver (up to about 30-100 km/h).



### 2

#### Follow, stop, and hold stopping position

ProPILOT automatically controls accelerator and brake to help keep an adequate distance from the vehicle in front. If the car stops during heavy traffic, ProPILOT will hold stopping position.



### 3

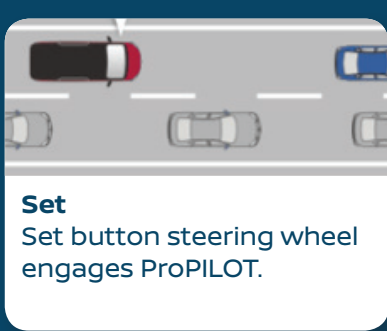
#### Steering Control

If there are lane markers on both sides of the lane, steering control keeps the vehicle in the center of the lane on straight roads and corners to reduce driver workload in heavy traffic.

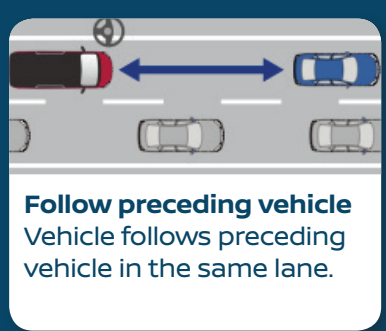
Speed / preceding vehicle distance

Steering

## TYPICAL USAGE



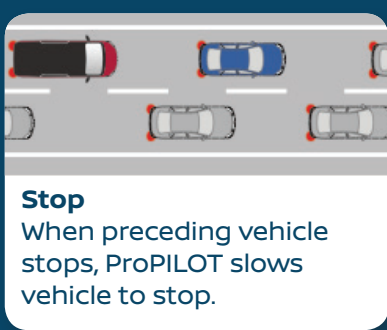
**Set**  
Set button steering wheel engages ProPILOT.



**Follow preceding vehicle**  
Vehicle follows preceding vehicle in the same lane.



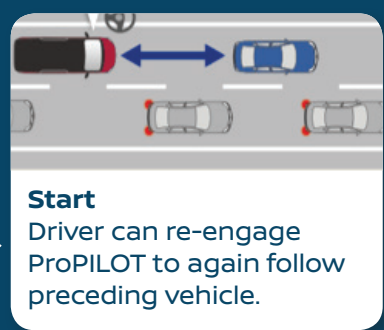
**Lane keeping**  
Vehicle follows lane markers, drives at set speed.



**Stop**  
When preceding vehicle stops, ProPILOT slows vehicle to stop.



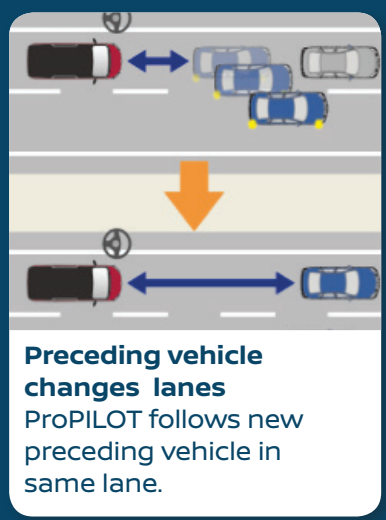
**Stop-hold**  
ProPILOT keeps vehicle in stopped position.



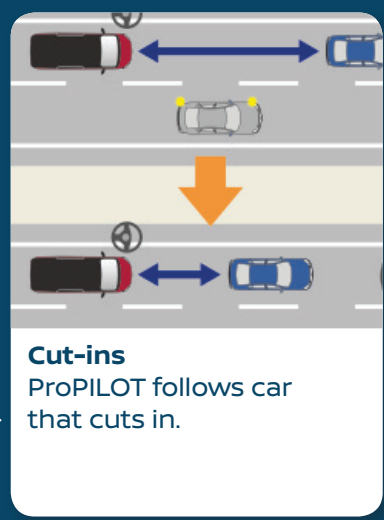
**Start**  
Driver can re-engage ProPILOT to again follow preceding vehicle.



**Curves**  
ProPILOT controls steering on curves.



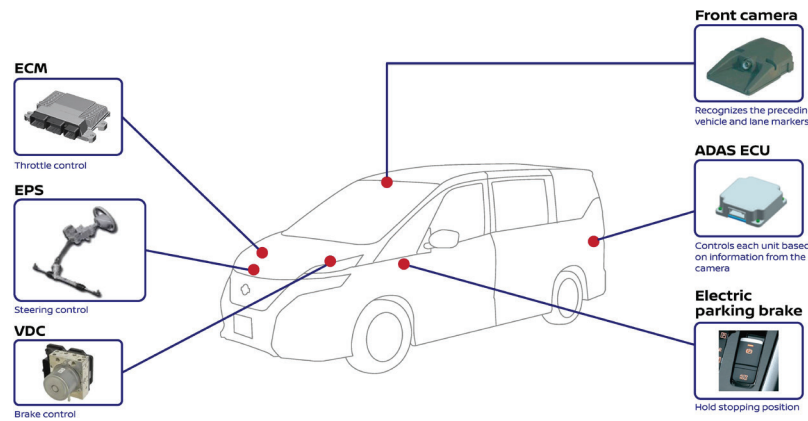
**Preceding vehicle changes lanes**  
ProPILOT follows new preceding vehicle in same lane.



**Cut-ins**  
ProPILOT follows car that cuts in.

## How it works

ProPILOT comprises Nissan's advanced vehicle control technologies (accelerator, brake and steering), a mono camera and advanced image-processing software. In 3D, the system instantly recognizes preceding vehicles and lane markers to maintain vehicle position precisely in the lane.



## NEW DRIVER INTERFACE



LARGE, EASY-TO-UNDERSTAND 7" DISPLAY



### ProPILOT ENGAGED WITH TWO BUTTONS

Easy engagement: On the steering wheel, press the ProPILOT button, then press the SET button to set the speed.

Display indicators include Preceding Vehicle, Steering Control, ProPILOT Status, Preceding Vehicle Distance, and Speed

## ROADMAP FOR THE FUTURE

SINGLE-LANE



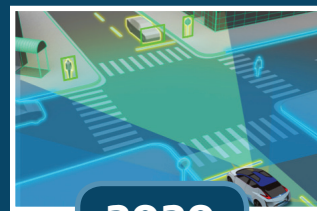
2016

MULTIPLE-LANE



2018

INTERSECTIONS



2020

\*ProPILOT is currently only available in Japan on the Nissan Serena

