



XPENG

User Manual XPENG P7



XPENG P7 is an intelligent electric coupé with features different from ordinary vehicles. Before starting the journey on your P7, it is recommended to read the User Manual to understand basic vehicle information, basic operations, and corresponding cautionary warnings. If you have questions regarding the use of the vehicle, please contact your local authorized service center.

This manual is published in March 2023. Contents marked with “\*”, the described equipment, and pictures are only valid for a certain configuration. XPENG vehicle is capable of upgrading Over-The-Air (OTA), and the features and configurations may be updated from time to time. We would like to inform you about following reminders:

Please be familiar with the latest and most complete vehicle functions, vehicle usage techniques, precautions, etc. before using the P7 after an upgrade, pay special attention to the warnings in the manual, and use P7 properly and safely.

XPeng Inc. always reserves the right to change, supplement, or terminate the contents and technical specifications of this manual.

Please keep the manual safe for future reference.







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## Safety Instructions

### Guidelines for Handling Traffic Accidents

**If your vehicle has suffered severe damage in an accident, to ensure your personal safety, please note the following warnings:**

- Do not touch any HV wiring harness or HV component in the vehicle, or it will cause electrical injuries.
- Do not touch any leaked fluid.
- Do not attempt to inspect the vehicle by yourself.
- If you need to have the vehicle towed, contact XPENG Service Center.
- When the vehicle has been damaged by flood, do not power it on again. Because short circuit may occur in the traction battery. To ensure personal safety and avoid secondary damage to the vehicle, contact XPENG Service Center as soon as possible

to check the traction battery system and have the damaged traction battery assessed by professionals.

- If the vehicle emits smoke, move far away from the vehicle immediately and contact XPENG Service Center as soon as possible.
- If the vehicle catches fire, move far away from the vehicle and call the police as soon as possible (you should inform the police that the vehicle is a pure electric NEV).
- When the traction battery system failure warning is displayed on the instrument cluster, pull over and park the vehicle safely, move far away from the vehicle and contact XPENG Service Center.
- If anyone in the vehicle is injured, contact the first aid department depending on the extent of the injury.
- If the vehicle is involved in an accident such as a bottoming scraping or collision, the internal structure of the traction battery may be damaged, posing a serious safety hazard.

Immediately contact XPENG Service Center to check the traction battery system and have the damage assessed by professionals.

## Important Notes

**In case of any of the following situations, please contact XPENG Service Center:**

- The vehicle has reached the scheduled mileage or service life interval for maintenance (refer to the Warranty and Maintenance Manual).
- The vehicle is damaged in a collision, flood, chassis scraping, or other accidents.
- Serious failure alarms appear on the dashboard, such as battery failure, battery overheating, motor and controller overheating, electric system failure, and charging port overheating.

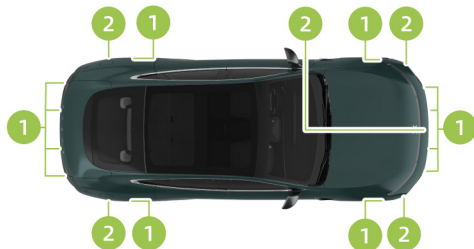
## Perceptive System

### Radar

This vehicle is equipped with two types of radars, i.e., ultrasonic radars and high-precision millimeter wave radars.

The radar is only used for detection of objects around the vehicle to provide detection information for relevant functions.

### Mounting Positions of Radars





1. Ultrasonic radar
2. High-precision millimeter wave radar

## Radar Maintenance

To ensure radars working properly, the radar must be kept clean and free of ice, snow, water, dust, and other foreign objects attached.

When a foreign object is found attached to the radar surface, wipe it with a soft cloth or clean it with water (low water pressure). Do not flush the radar with a high

### Caution

- The front and rear-facing SRRs are mounted in the front and rear bumpers respectively. Therefore, to avoid affecting their performance, it is strictly forbidden to paint the bumpers or embed surrounds.
- If the radar is damaged, please contact XPENG Service Center for replacement or repair.

### Warning

- It is forbidden to replace, refit, or add radar without authorization, and only the original or approved radar of XPENG can be used. Otherwise, it may lead to some abnormalities in the relevant functions, but also radio interference, resulting in direct or indirect damages, XPENG does not assume any responsibility. When the radar fails or needs to be replaced, please contact the XPENG Service Center.
- The radar does not work properly in all driving situations or in traffic, weather and road conditions, so you should drive carefully and always be responsible for driving safely when your vehicle is in a complex environment or in poor condition.





## Warning

- The license plates should be maintained and serviced regularly to prevent warping and deformation that may cause the radars to work abnormally. If it is found that any radar works abnormally, please contact XPENG Service Center in time.

## Restrictions and Errors

When a radar is not working properly, functions based on the radar's detection information may work abnormally. Meanwhile, radars have limited detection ranges and cannot detect targets out of range.

**The radar performance may be affected by the poor environmental condition or the abnormal state of the target detected.**

**The following conditions may cause radars' detection failure, delay or error:**

- Poor weather conditions (e.g. heavy rain, snow, and dense fog.).

- Vehicle bumping or shaking caused by uneven roads or other factors.
- There is interference from acoustic sound sources with the same frequency around.
- The radar surface is attached with foreign objects such as ice, snow, water, and dust.
- The objects detected by the radar is attached with substance that absorbs sound waves, such as snowflakes, foam, and cotton objects, or there are objects that may cause false reflection of sound waves near the vehicle.
- The objects detected are too small.

The above examples, warnings, and limitations do not cover all the conditions that may affect the proper operation of the radars.

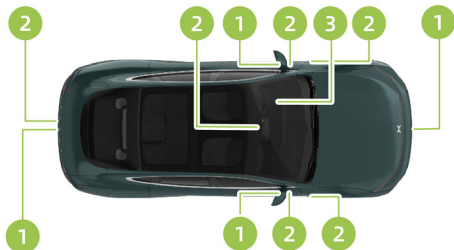


### Camera

This vehicle is equipped with three types of cameras: AVM cameras, high-perception cameras and fatigue detection cameras.

These cameras perform target recognition in visual form, providing recognition information for relevant functions after identifying the target within visual range.

### Mounting Positions of Cameras



1. AVM camera
2. High-perception camera
3. Fatigue detection camera

### Camera Maintenance

To ensure the proper operation of cameras:

- Keep them clean without ice, snow, water, dust, and other foreign objects attached.
- Keep the windshield in front of the camera clean, and there must be no objects between the camera and the windshield.
- When a foreign object is attached to the cameras surface, wipe it with a soft cloth or clean it with water (low-pressure water). Do not flush the cameras with a high-pressure water gun, and do not clean them with abrasive or sharp objects.



## Warning

- It is forbidden to replace, refit, or add cameras without authorization, and only the original or approved cameras of XPENG can be used. Otherwise, related functions may not be used normally, and XPENG does not assume any responsibility for any direct or indirect damages caused thereby. When the camera fails or needs to be installed, please contact the XPENG Service Center.
- The cameras do not work properly in all driving situations or in traffic, weather and road conditions, so you should drive carefully and always be responsible for driving safely when your vehicle is in a complex environment or in poor condition.

## Restrictions and Errors

**When a camera is not working properly, functions based on the camera's detection information may work improperly. Meanwhile, cameras have limited detection ranges and cannot detect targets beyond the ranges.**

**The camera performance may be affected by the poor environment condition, while obscuring may disable the camera.**

**The following conditions may cause cameras' detection failure, delay or error:**

- Poor lighting conditions or poor visibility (due to heavy rain, snow, dense fog, etc.).
- The camera is facing the direction of a light source, or the illumination intensity is insufficient.
- Dramatic changes in light (e.g. entering and leaving a tunnel).

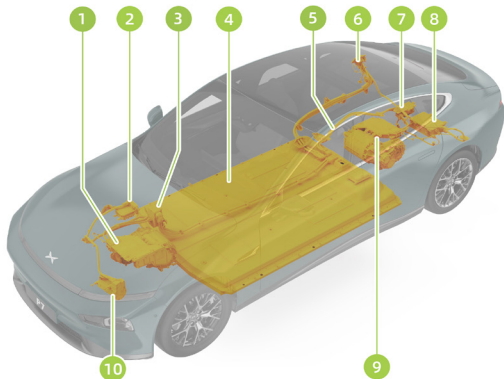


- Weather conditions (heavy rain, snow, fog, extremely hot or cold temperatures) interfere with the operation of the camera.
- The camera surface is attached with foreign objects such as ice, snow, water, and dust.
- Vehicle bumping or shaking caused by uneven roads or other factors.
- The camera view is obscured.
- Deformed or damaged windshields result in changes of camera positions or angles, and changes in the color of the windshield may also affect the cameras.

The above examples, warnings and constraints do not cover all the conditions that may affect the proper operation of the cameras.

## EV System Layout

### System Layout



1. Front electric drive system\*
2. PTC heater
3. 4WD HV power distribution box\*
4. Traction battery [Refer to Page 15](#)
5. 3-in-1 HV power supply cable
6. Charging port
7. 2WD HV power distribution box
8. CCS/DCDC converter
9. Rear electric drive system
10. A/C compressor



### Warning

The orange wiring harnesses are HV ones. It is forbidden to touch or disassemble any HV wiring harnesses and related HV parts, otherwise there is a danger of electric shock!

## Traction Battery

### Precautions for Traction Battery

**The traction battery is mounted on the bottom of the vehicle. Be careful with it during driving!**

### Warning

- The traction battery can generate a rated voltage far beyond the safety voltage of human body, which may cause serious injury or even death to human body. Please beware of the high voltage danger!

### Warning

- Only trained technicians are allowed to disassembling, inspecting, modifying, and repairing the traction battery and its circuits, otherwise, they may be shocked or even dead due to improper operation.

### Caution

- Be careful when driving over mud, potholes, curbs, high and wide speed bumps, sidewalk ramps and other special roads to avoid scratches or damage to the traction battery caused by chassis collisions.
- Be careful when driving through deep water to prevent short circuit, electric leakage or damage of the traction battery due to excessive contact with water.



## Caution

- If you perceive that the chassis is scratched or bad smells come from the traction battery, stop driving immediately and contact XPENG Service Center as soon as possible.

## Range

The range depends on the state of charge, the vehicle's mileage and service life, environment temperature, road conditions, driving habits (air conditioning, driving mode, energy regeneration level), and the vehicle's payload capacity, etc.

## Traction Battery Environment Temperature

The environment temperature will affect the performance of the traction battery. It is required to use the vehicle in the environment temperature range of  $-30^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  to maintain the good

performance of the traction battery and extend the service life of the traction battery.

## Caution

Do not keep the vehicle exposed to high temperatures above  $55^{\circ}\text{C}$  or low temperatures below  $-30^{\circ}\text{C}$ .

## Traction Battery Recycling Instructions

If the traction battery needs to be replaced or scrapped, please contact XPENG Service Center for recycling and disposal. Careless disposal of traction battery will cause pollution to the environment or safety accidents, and the car owner should be held responsible.



## Charging Instructions

### Charging Instructions

When the state of charge is low or the charging reminder light comes on, please charge the vehicle as soon as possible.

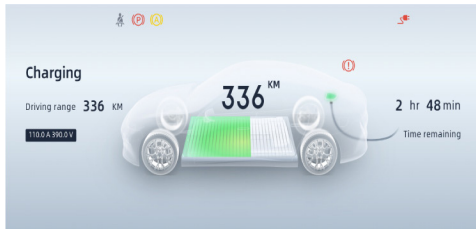
When the vehicle is parked, AC charging (including scheduled charging), AC discharging and DC charging can be carried out through the charging port located on the right rear of the vehicle.

### Charging Display

During charging, the charging status is displayed on/by the following ways:

#### 1. Light Signal

When the light signal system is turned on, the vehicle will trigger the exterior light signal effect when it is charging.



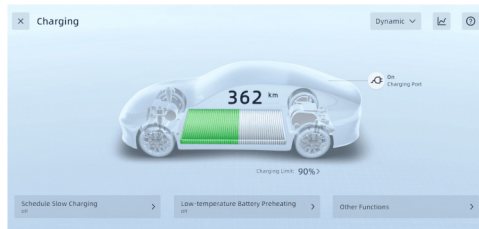
2. ICM
3. CID Energy Center Interface
4. XPENG App

### Charging Port Lid Opening/Closing



The charging port can be opened or closed in the following ways:

- Smart key
- XPENG App
- Voice assistant





## CID energy center interface:

Tap on the CID " " or " →Energy", you can open or close the charging port on the energy center interface.

- Shortcut menu:  
Swipe down from the top of the CID to open or close the charging port in the shortcut menu.
- Auto-close:  
After the charging is completed, unplug the charging gun, and the charging port can be automatically closed when the vehicle is locked or is in the ready status.

## Note

When the charging port is open, it is forbidden to pull down or push down it with external force.

## Caution

If there's any failure of the charging port, the instrument cluster will pop up the relevant reminders, contact XPENG Service Center for troubleshooting as soon as possible.

## AC Charging

The long AC charging time is beneficial to battery protection. Charging operation:

1. Open the charging port lid.
2. Plug charging gun vertically into the AC charging port.
  - ▶ Do not shake the charging gun when plugging it.



- ▶ Do not press the unlock switch of the charging gun while plugging it. Please plug the charging gun vertically until you hear a "click", indicating that the charging gun is plugged in place.

### 3. Observe the charging indicators.



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4. After charging, tap "STOP CHARGING" on the CID energy center interface, press and hold the unlock button on the charging gun, and unplug the charging gun.

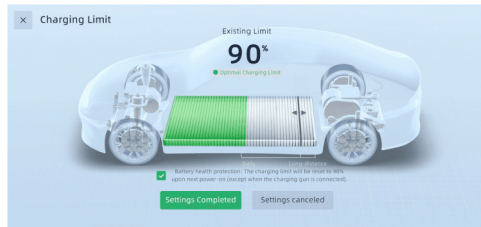
#### ⚠ Caution

If the charging gun cannot be pulled out after unlocking, please push the charging gun firmly in place again, press the "Unlock" button on the key again, and then pull out the charging gun again. Do not unplug it forcibly.

#### ⚠ Warning

- AC charging must be carried out in compliance with the relevant regulations of the charging station.
- Please check if the charging pile complies with the related standards before charging.

## Charge Limit



In order to protect the battery, the vehicle is equipped with a charging capacity limitation, and some model will not be fully charged according to the limitation, if there is a need for long-distance driving, you can set the charging limit on the CID.

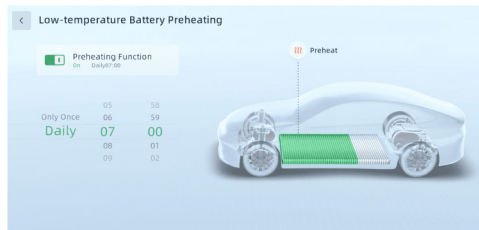
### Note

If the battery protection is checked, after the vehicle is powered on again, charging limit will return to the default value, which is 90%.

## Low-Temperature Battery Preheating

The low-temperature battery preheating function can heat the battery pack with the electricity of the charging pile. When the battery is heated to a suitable temperature, it will effectively improve the vehicle's range in cold weather.

When the battery preheating function is turned on, it is necessary to connect the AC charging pile, and at the same time ensure that the charging pile is without any malfunction.



Tap → **Low-temperature Battery Preheating**, or directly open the XPENG APP, turn on the low-



temperature battery preheating function, and set the preheating time.

In addition to the above method, you can also directly tap "Preheat Now".

### Caution

- It is recommended to use the vehicle as soon as possible after the battery preheating, since prolonged parking may reduce the heating effect.
- The function will not be activated if the battery temperature is high.
- If you have made a charging schedule, please make sure the preheating time is set later than the scheduled charge time.

### Caution

- This function may slightly increase the power consumption of the charging pile. Please use it as needed.
- If the function fails to be activated, please check if the conditions are met, and contact XPENG Service Center for troubleshooting.

### Note

- When charging at a low environment temperature, the system will heat the traction battery first, and then charge it when it warms up. So the charging will take a slightly longer time than usual.

## Note

- When the indicator light shows an abnormal charging warning, try to repeat the charging steps, restart the whole vehicle, or use another charging pile. Do not repeatedly plug and unplug the charging gun and manipulate the charging pile operation interface. If the abnormal charging warning persists, please contact XPENG Service Center for troubleshooting.
- It is recommended not to turn on the air conditioning system during AC charging.

## Emergency Unlocking



If the charging gun cannot be unplugged after several attempts to unlock, you can pull down the right rear seat back and remove the trim lid to pull the mechanical pull lock of the charging gun to unlock. Then you can unplug the charging gun.



### DC Charging

DC charging takes a shorter time. Charging operation:

1. Open the charging port lid.
2. Take the charging gun and plug it vertically into the AC charging port.
  - ▶ Do not shake the charging gun when plugging it.
3. Observe the charging indicator lights.
4. After charging, tap the end charging on the CID energy center, press and hold the unlock button on the charging gun, and pull out the charging gun.

#### Warning

DC charging must be carried out in compliance with the relevant regulations of the charging station.

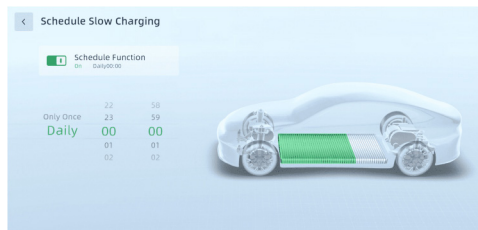
#### Warning

- Please check if the charging pile complies with the related standards before charging.


### Low Charging Schedule Charge

This function allows the vehicle to start charging at a specified time and to automatically stop charging when the battery is fully charged (or reaches the limit).

Schedule charge as the following steps:





1. Tap the CID status bar  to enter the "Energy Center" interface.
2. Tap the "Schedule Charge" switch button to enter the "Schedule Charge" interface.
3. Set schedule charging time.
4. Open the charging port.
5. Take the charging gun off the AC charging pile and plug it into the AC charging port vertically to enter the scheduled charging.
6. Observe the charging indicator lights.

If the charging indicator light is always green, it means that the schedule charging function has been activated.

## Note

- The charging may be prolonged due to factors such as environment temperature and traction battery life.

## Note

- Under some special operating conditions (for example, the gun is still plugged for a long time after charging is completed), the automatic closing function of the charging port lid while unplugging gun will be temporarily deactivated in order to save power. Please close the charging port lid in time to avoid rain, snow or other foreign objects from entering.
- When charging at a low environment temperature, the system will heat the traction battery first, and then charge it when its temperature becomes normal. So the charging will take a slightly longer time than normal.



### Note

- When the indicator light shows an abnormal charging warning, try to repeat the charging steps, restart the whole vehicle, or use another charging pile. Do not repeatedly plug and unplug the charging gun and manipulate the charging pile operation interface. If the abnormal charging warning persists, please contact XPENG Service Center for troubleshooting.
- During AC charging, the A/C system power is preferentially allocated to the battery for heating. As a result, the A/C may not work well.

### Note

- Due to the differences among charging pile manufacturers in understanding the charging standard, as well as the different maintenance levels of charging piles, there may be cases where the vehicle cannot be charged using a charging pile. In case of such situation, please try to plug the gun again or use another charging pile.

## Precautions for Charging

- When taking the charging gun out of the charging pile, please hold the charging gun firmly with both hands to prevent the twisted charging cable from bouncing back and hitting the person, causing injury to the person.
- In case of an emergency during charging, press the Emergency Stop button of the charging device to stop charging.





- Please ensure the charging port, charging gun, charging plug, and other devices are dry before charging, and it is forbidden to charge when the charging devices or your hands are wet.
- The charging gun cable must be free of twist when charging.
- Charging is prohibited if the charging devices are corroded or damaged, including the distorted and skewed metal terminal of charging gun, as well as the deformed and cracked plastic body of the plug.
- Do not disassemble or modify the charging port or charging cable.
- It is recommended to stop charging the vehicle during thunderstorms, because lightning may cause damage to the charging devices.
- It is recommended to charge the vehicle with a charging pile in a shady and waterproof shelter, to avoid rain or snow from splashing into the charging port when plugging/unplugging the charging gun.
- When plugging/unplugging the charging gun, unlock the electronic lock of charging cable, and then plug/unplug the charging gun vertically. Do not obliquely plug or shake the charging gun.
- If the charging port continuously emits a strong and irritating odor during charging, stop charging immediately.
- It is strictly forbidden to allow minors to touch or use the charging devices.
- If there are foreign objects such as dust or large hard particles in the metal socket of the charging port, charging gun, or charging plug, etc., clean such parts after powering off the whole vehicle and then perform charging.
- If you have an electronic device implanted in your body, such as a pacemaker, cardiovascular defibrillator, internal analgesic pump, insulin pump, or hearing aid, do not stay in the vehicle or enter the vehicle to take something while the vehicle is charging,



as this may interfere with the function of your electronic device and result in personal injury or death.

- After charging is completed, please close the charging port lid in time to avoid rain, snow or other foreign objects from entering.

## AC Charging

### Brief Description

You can use the discharge device to provide the power of the traction battery to other electrical appliances. The discharge voltage is 230 V and the maximum power is 3.3 kw.

### Power Supply Operation

1. Open the charging port.
2. Plug the power supply gun into the vehicle's AC charging port.
3. Tap **"Start Power Supply"**.
4. After the power supply is completed, tap **"End Power Supply"**.
5. Press and hold the unlock button of the

## Instructions for XPENG Owners

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**power supply gun, and unplug the power supply gun.**

### Note

- You can set the power supply limit, so that the power supply will automatically stop when the traction battery power limit is reached.
- When the SOC is lower than 20%, the external power supply function is unavailable.

### Warning

- It is strictly forbidden to use AC power supply function in case of any damage of the external appliance or the power supply gun.



## Warning

- It is strictly forbidden to allow minors to touch or use the power supply gun. Keep minors away from the vehicle when this function is enabled.
- In case of abnormal power supply, please disable AC power supply function immediately.
- It is strictly prohibited to touch the plug pins of electrical appliances and power supply gun jacks.
- It is strictly prohibited to connect counterfeit products, medical or health electronic devices to the vehicle.



### Key

#### Smart Key



##### 1. Lock button

- Within the effective range, when the driver's seat is unoccupied and it is in gear P, close all doors (including the engine hood and tailgate) and short

press this button to lock the whole vehicle. Then the turn signals will flash once and the horn will honk once (as the setting) to indicate successful locking, with the exterior door handles retracted and the exterior rear-view mirrors automatically folded.

- For models equipped with X-wing doors, within the effective range, double-tap this button, the front door or the main driver's door (can be selected on the screen) will automatically close, short press/long press this button again, stop closing; long press this button, the front doors are automatically closed, and the vehicle will stop when it is released.

##### 2. Tailgate button

- Long press this button to open/close the trunk, or pause the trunk being opened/closed.

## 3. Unlock button

- Within the effective range, short press this button to unlock the doors. Then the turn signals will flash twice and the horn will honk twice to indicate successful unlocking, with the exterior door handles popping out automatically.
- For models equipped with X-wing doors, double-tap this button within the effective range, the front door or the main driver's door (can be selected on the screen) will automatically open, short press/long press this button again will stop opening; long press this button, the front door will open accordingly, and it will stop when this button is released.

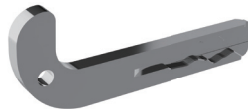
## 4. Charging button

**Within the effective range, short press this button twice continuously to open or close the charging port.**

### Note

Tap on the center display " → **vehicle settings**", you can set the feedback of unlocking and locking outside the car.

## Mechanical Key



**When the doors cannot be unlocked via the smart key, the doors can be emergency unlocked or locked with a mechanical key. For models equipped with electric suction doors and X-wing doors, the doors can be emergency unlocked with a mechanical key.**



The mechanical key is provided separately, not integrated with the smart key. Please keep the mechanical key in a safe place for unexpected needs.

### Mobile Bluetooth Key

The mobile key communicates with the car via Bluetooth, and after the successful connection while getting close to the vehicle, you can use the App to unlock and start the vehicle, control the windows, the tailgate and phone parking function.

#### Key Activation

Tap the APP in the car control interface **"Activate keys → activate now"**, you can activate the mobile Bluetooth key.

#### Authorized Vehicle and Keys

The authorized one should download and register the Xpeng Motors APP in advance.

Tap on **"Car Control→Setting→Authorization"**, the owner should add phone number to give authorization, and after the authorized one accepts the authorization and activates the key, the mobile key can be used.

#### Note

- The above operations need the car to keep the connection with the Internet and the feedback can be delayed. If you encounter problems, please try again.
- The authorized users are up to 5.
- Please ensure that the "Bluetooth" of the phone is on, the key cannot be used before Bluetooth connection.
- The Bluetooth can be connected over 30 meters around the vehicle in an open space, which may vary due to the hardware of phone Bluetooth, human body occlusion, and environmental interferences.



## Note

- The APP should not be closed after unlocking and be kept running in the background, otherwise it will be not possible to start or lock the vehicle.

In case of failure to shift gears, please open the Xpeng App and try again to shift gears.

### **Sensitive Entry**

Get close to the vehicle, open the Xpeng APP, and automatically connect to the Bluetooth of the car.

Tap on **"vehicle lock"**, when the Bluetooth is connected, the gear can be shifted directly; when the Bluetooth is not connected, the car will scan the key when the gear shifts (that's why Bluetooth needs to be kept in connection). If still can't be started, please try to open APP and then try to shift gears again.

## Note

**"Vehicle lock"** doesn't support remote unlocking or starting the vehicle.

### **Insensitive Entry**

When the phone is getting close to vehicle, the vehicle will detect the strength of the Bluetooth signal on the phone, so as to measure the distance between the vehicle and the phone, then unlocking the vehicle when approaching and locking it when you leave the vehicle.

Open the Xpeng APP, tap **"Car control→ settings→key management→approaching automatic unlocking/leaving automatic locking"**, you can set the vehicle's automatic unlocking function.



#### Note

- After the key is reactivated or the APP is reinstalled or logged in with another phone, you need to reset the **"Automatic unlocking/locking"** function.
- Before leaving, please make sure the vehicle is locked.

### Common problems for automatic unlocking and automatic locking

#### 1. Which conditions will cause automatic unlocking or locking failure?

- When the phone SOC is low or in power-down mode.
- Xpeng APP has been shut down by the phone system.
- The Bluetooth signal is unstable and abnormal disconnection occurs.
- The Bluetooth signal is blocked by obstacles (such as backpacks, bodies and walls, etc.), resulting in abnormal

## Preparations Before Driving

distance measurement.

- The Xpeng App is not turned on after a phone restart or system upgrade.
- Leaving the vehicle with the doors or the tailgate not fully closed causes the Bluetooth disconnection.

**If you encounter any of the above problems, please try to:**

- Reduce the obstruction between the phone and the body, such as taking the phone out of your pockets and backpacks.
  - Open the XPENG App.
  - Restart the XPENG App.
- 2. When approaching the vehicle, can I open the door if the door handle is not opened?**
- When approaching the vehicle from a distance for the first time, the door handle pops up. If the door handle does not pop up, you can directly pull the door handle to unlock the door.**



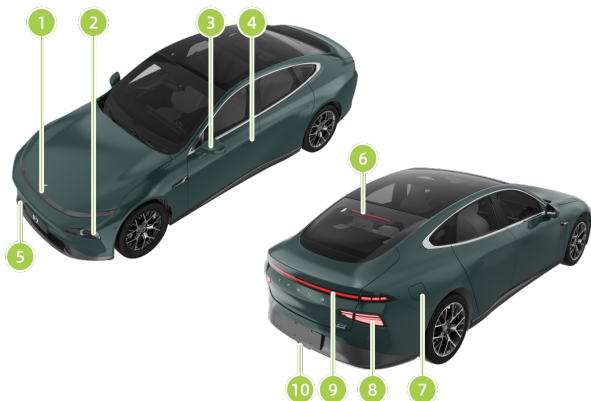


3. What will happen if more than one phone keys are approaching the vehicle simultaneously?
  - It can be unlocked and started as normal.
  - Bluetooth only supports one key connection. When more than one keys are approaching the vehicle at the same time, the vehicle will automatically log in the one which is effective and show it on the center display.



## Appearance

### Appearance Introduction



1. Front Running Headlight.  
[Refer to Page 93](#)
2. Front combination light.  
[Refer to Page 93](#)
3. Exterior Rear-View Mirror.  
[Refer to Page 58](#)
4. Exterior door handle.  
[Refer to Page 36](#)
5. Front tractor
6. High brake light
7. Charging port. [Refer to Page 18](#)
8. Rear combination light.  
[Refer to Page 93](#)
9. Rear Running headlight.  
[Refer to Page 93](#)
10. Rear fog lamp/backup lamp

## Door

### Open the Door from Outside



After unlocking, the door will be opened if door handle is pulled.

### Open the Door from Inside



- When a door is unlocked, pull the interior door handle and push it outward to open the door.

When a door is locked, pull the interior door handle once to unlock the corresponding door and pull again to open the corresponding door and unlock all the doors.



### Four Door Electric Suction Lock\*

When the door is near the suction position, the electric suction lock will automatically close until the door is fully closed.

#### Warning

Due to the strong self-attraction force of the door lock, it is forbidden to reach out to prevent the door from closing during the self-attraction process to avoid crush. If you want to terminate the door closing, you can pull the door interior/exterior handle to stop self-attraction to open the door.



If the door is not closed, it is forbidden to put your hand within the movement range of the door closing to avoid the crush caused by accidental shutting of the door.

#### Caution

In case of low battery power, even if the vehicle is unlocked, it may not be possible to open the door with the exterior handle, then the mechanical key can be used to open the door.

### Locking and Unlocking the Vehicle with the Door Lock Button



-  Locking: With four doors closed, press the lock button to lock the doors.
-  Unlocking: Press the unlocking button to unlock the doors.

### Emergency Unlocking and Locking

#### Emergency Unlocking

If the driver's door cannot be opened due to draining of the 12V battery or the car key battery, a mechanical key can be used to unlock the door.





Press the front end of the driver's door handle, pull up the door handle, insert the mechanical key into the lock hole and then rotate the key counterclockwise to lock the driver's door.

### Note

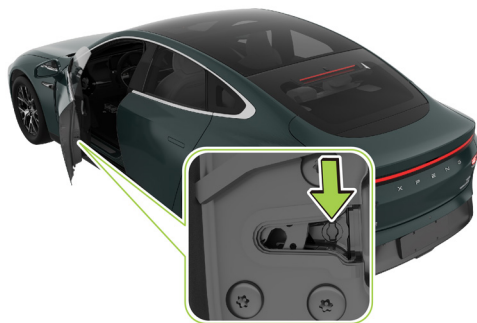
The key can be rotated only after the mechanical key is inserted completely into the lock.

After opening of the car, only after the mechanical key is inserted completely and turned back to the middle position can the key be pulled out.

### Emergency Door Locking

**In case that the power of the whole vehicle is drained, the mechanical key can only lock the driver's door, if it is necessary to lock other doors:**

- Electric attraction door lock: directly close the door to lock.



- Normal door lock: use the mechanical key to rotate the fish mouth of the door lock (the door of the left side is rotated counterclockwise, the door of the right side is rotated clockwise), and then the door is closed and locked; the driver's door can also be locked and closed through the mechanical key lock by inserting the mechanical key to the bottom and rotating clockwise to lock.



## Parking Unlocking

The seat is still occupant, all doors are closed and the left front door is locked, when parking, the doors can be unlocked through the following operations:

- Unfastening the seat belt when the driver has fastened the seat belt and the gear is in P.
- Shifting the other gear to P gear when the driver didn't fasten the seat belt.

### Turn on/off Auto Unlock in Park



Unlock on Parking

Auto Unlock in P Gear

Tap on the control screen " → **Vehicle Settings**", you can enable or disable the Auto Unlock in Park.

## Collision Unlocking

In case of airbag deployment caused by serious vehicle crash, the vehicle will perform the unlocking once and then another unlocking after 3 seconds.



Note

If the vehicle is unlocked due to collision, the turn signals keep flashing and stop flashing when the vehicle is powered off or the hazard warning light switch is pressed.

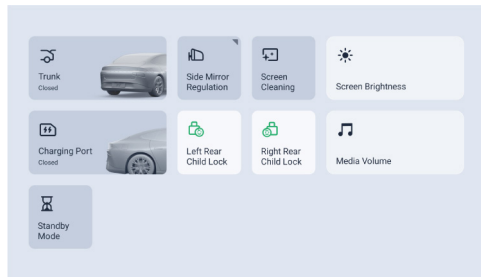
## Driving Locking

With all doors closed and the left front door unlocked, if the speed is above 10km/h, all the doors will be locked automatically.



### Child Locks

Child-protection locks are installed on the rear doors, if engaged, the corresponding door cannot be opened through the handle inside the door, which can prevent children from accidentally opening the rear door to reduce the risk of accidents.



- Pull down the screen to open the context menu in order to turn on/off the child-protection locks.



Left Rear Door Child Lock



Right Rear Door Child Lock

- Tap on the control screen "🚗 → **Vehicle Settings**" to turn on/off the child-protection locks.



#### Note

It is recommended that you engage the child-protection locks whenever a child is seated in the rear row.



#### Warning

When the child-protection locks are on, the corresponding rear doors cannot be opened from inside, please never leave children unattended in the vehicle.



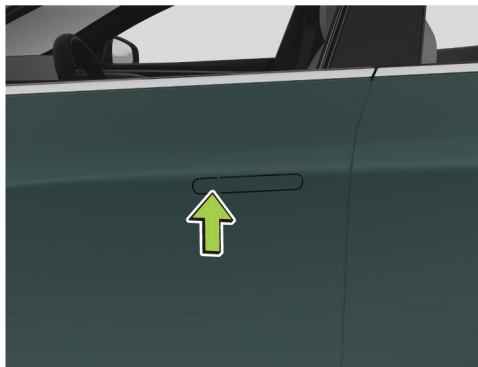
## X-Wing Door\*

### Introduction

The front door is equipped with scissor electrical switches and obstacle avoidance function.

The front door can be opened or closed through the smart key, the Xpeng App, the exterior handle, interior handle or button on door, also can be operated on the center display.

### Opening or Closing with the Exterior Door Handle





### Opening

When the vehicle is unlocked, short press the arrow position of the exterior door handle, the door at the corresponding side will be automatically opened.

When the vehicle is unlocked, short press the arrow position of the exterior door handle, the door at the corresponding side will be opened later until the door handle is released or it is opened to the limit.

### Closing

When the door is opened at the set position or above the set position, short press the arrow position of the exterior door handle of the corresponding side, the door will be closed automatically.

#### Caution

- When the exterior handle is used to open the door, the door will automatically stop when an obstacle is detected. If the obstacle is moved away at this time, the door will automatically continue to open. This function is not suitable for all scenarios. Under special circumstances, the door will open by mistake, stop moving, or freeze during the process of opening. Always pay attention to the surrounding environment to ensure safety. Please pay attention to the surrounding environment to make sure it is safe.
- If it is found that the doors may collide, the doors can be stopped in the following ways:
  - Manual blocking.
  - Short press the unlock/lock button on the key.

# Preparations Before Driving



## ⚠ Caution

- Short press the buttons on the driver's door armrest or tap the button on the CID.

## Emergency Unlocking and Locking

If the driver's door cannot be opened due to draining of the 12V battery or the car key battery, the door can be unlocked with a mechanical key.



- Pull up the door handle and insert the mechanical key into the lock, then the anticlockwise rotation can unlock the door.
- The front and rear doors can be locked by directly closing.

## Open/Close with the In-Vehicle Buttons





### Opening

Short press door opening button to open the doors automatically.

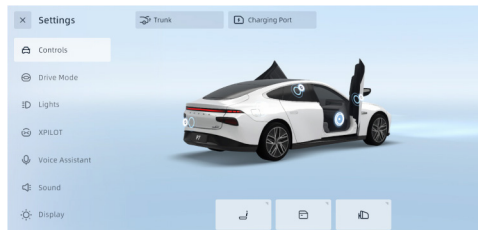
Long press door opening button and the door will open automatically until the button is released or reaching the maximum limit.

### Closing

Short press door closing button to close the door automatically.

Long press door closing button and the door will close automatically until button is released or reaching the closing position.

### Open or Close with the CID



Tap on the control screen "🚗 → Controls", and tap the door at the corresponding side on the 3D car model to open/close the door.

### Open the Doors by Double-Tapping the Key's Unlock Button

Double-tap the Unlock button on the key to open the door.

Front Doors

Driver-side Door

# Preparations Before Driving



Tap on the control screen " → **Vehicle Settings**", the function of opening the door by double-tapping the unlock button can be set.

## Depress Brake Deeply to Close Door

### Depress Brake Deeply to Close Door

With this function on, you can depress the Brake Pedal deeply to close the door, and again to stop closing the door.

Deactivate

Driver-side Door

Front Doors

Tap on the control screen " → **Vehicle Settings**", you can set the function of depressing the brake deeply to close the door.

### Warning

After enabling this function, hitting the brake will then close the corresponding door and hitting the brake again will stop closing the door. Please pay attention to safety to avoid crash!

## Front Door Opening Range Settings

### Front Door Range Settings



Tap on the control screen " → **Vehicle Settings**", you can set the front door opening range.

- By default, the door opening range is 40%, and the adjustable range is 40%~100%. When the progress bar is slid, the range will increase or decrease by 5%.



- This function only reacts on the automatic opening range of the X-wing door (such as: double-tap the unlock button of the smart key), while the jog switch operation is still up to 100% by long press the unlock button.

### Adaptive Windows

When the window follow function is on, windows automatically lower slightly when the front door is open; and the windows will be automatically raised when the door is closed.



#### Adaptive Windows

Windows automatically lower when the front doors are opened

Tap on the control screen " → **Vehicle Settings**", you can enable/disable windows servo function.

### Anti-Pinch Protection

The X-wing door has an anti-pinch protection function during the opening or closing process, that is, when resistance is felt or a foreign object is clamped on the door during the electric opening/closing of the door, it will automatically stop moving and retreat for a certain distance to prevent pinching.

#### Initialization of Anti-Pinch Function

If triggered frequently, the auto function of anti-pinch will be invalid, and need to do the door self-learning through a manually open-close by jog switch (such as keep pressing the close button of the smart key, and keep pressing the close button on the door panel), then the anti-pinch function will come back.



## Warning

- In spite of the anti-pinch protection, there is still a danger of pinching. Always pay attention to keeping an unobstructed door opening area. Otherwise, under special circumstances (such as thin and soft obstacles), it will not be possible to ensure that the moving process is interrupted.
- Check whether there are passengers before closing the door, pay special attention to the elderly and children and make sure no people or obstacles are near the door. Do not lean your hand or other parts of your body against the door hinge or any gaps. Some parts of the door may not sense resistance, therefore, will not stop moving. If they are caught when opening or closing the door, serious injury may result.

## Warning

- Obstacle avoidance is supported on front doors and can detect objects in the routine of door opening. In most cases, the door will stop moving if an object is detected. However, the sensor cannot detect all directions, especially when the doors are closed. Therefore, you should make sure that no object exists in the way of the door and adopt measures to prevent the door from hitting any object or person. Otherwise, it may result in serious personal injury or death.



## Preparations Before Driving

### Warning

- The obstacle avoidance function of the front door will remember the stop position limit before powering off. If there is an obstacle in the door opening path before the power off, even if the obstacle has been removed, when the door is opened again after power on, the door may only open to the memory stop position. In this situation, it's available to let the door go on by manually pressing the button switch.
- Do not paste or apply adhesive products (such as tape, stickers, rubber paint, etc.) on the outside of the front door to block or cover the sensor. Otherwise, it will affect the detection performance of the sensor.

### Warning

- Before opening the door, make sure there's enough free space for the door and glass to open/close, the door or window glass may be damaged.
- If there is snow or ice on the front door, please clear them before opening the doors. Otherwise, snow may enter the vehicle and turn to ice that prevents the door from opening.
- It takes time to complete the doors opening and closing. If the X-wing door is opened in rainy weather, it will cause rainwater to flow from the X-wing door into the front seat area or onto occupants.

2





## Warning

- Visual system self-check and camera start-up take some time. When the vehicle is just awakened by the network or is powering on, the screen is not started, or the initialization is not completed, the vehicle does not provide the visual obstacle avoidance function; please pay attention to the surrounding environment, especially the area near the rear-view mirror which the ultrasonic sensor cannot cover.
- Please wash the vehicle regularly to prevent dirt around the ultrasonic sensor or being covered by other things and affect the detection performance of the sensor.
- Do not squeeze the ultrasonic sensor to avoid deformation and causing error in obstacle avoidance.
- If the ultrasonic sensor is damaged, please contact XPENG Service Center for replacement or repair.

## Restrictions

**In the following scenarios, ultrasonic sensors and cameras may fail to effectively identify or avoid obstacles incorrectly to open the X-wing doors correctly. Please keep observing to ensure that the door environment is safe and appropriate:**

- Severe weather including rain and snow.
- High curb and hollow guardrail near the door, hollow guardrails, fences, roadblocks, street lights, flower beds, etc.
- Persons or other obstacles are close to the ultrasonic sensor or not directly in front of the ultrasonic sensor.
- Obstacles in front of the door, such as trucks, square walls, and stationary adults.
- Bicycles, chairs, shopping carts, and stone balls next to the door.
- Pillars (such as the small pillars of the parking shed), trees, plastic cylindrical barrels, etc. that are diagonally in front of the door.
- Irregular obstacles, or obstacles of sound-



## Preparations Before Driving

2

absorbing materials (such as sponge).

- Overhanging obstacles (e.g., overhanging pipes, exterior rear-view mirror of nearby vehicle, fire hydrants, and fire fighting sandboxes).
- The camera is interfered by ground lines, ground tires, shadows of pillars, etc.
- Cameras are restricted. [Refer to Page 11.](#)
- The ultrasonic in the same frequency of other vehicles near the vehicle interfere with the vehicle.
- Obstacles within the blind spot of the door ultrasonic sensor (e.g., a person or other obstacle near the B-pillar of the vehicle).
- Inclined pavement, etc.

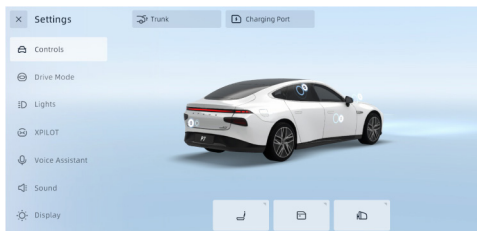
**The above examples, warnings, and constraints do not cover all the conditions that may affect the proper functioning of door obstacle avoidance. When opening the door, always pay attention to and check the surroundings, and be ready to take proper actions to prevent unnecessary collisions with the doors.**

### Tailgate

#### Open/Close via Voice

After the XPENG voice service is enabled, the tailgate can be open/close by voice.

#### Open/Close via CID



- Tap "🚗 → Controls" to open or close the tailgate.
- Swipe down from the top of the CID to open or close the tailgate from the shortcut menu.



## Open/Close via Kick Motion



### Inductive Trunk

Automatically open or close the trunk with a kick.

Tap on the CID " → **Vehicle Settings**" to enable/disable the inductive trunk function on the **Trunk** page.



If the smart key is present in the tailgate surrounding area, the tailgate can be opened/closed, or is being opened/closed can be paused by kick motion.

- The effective sensing range is located on the left side of the rear bumper.
- Quickly move your foot back and forth (at least 10 cm) under the center of the rear bumper to open/close the liftgate with a kicking motion.



### Caution

If a valid key for the vehicle is within the surrounding of the trunk, in some cases, the inductive trunk function can be inadvertently triggered, thereby triggering the trunk action, such as when sweeping under the rear bumper, when spraying large amount of water or steam jets in the rear bumper area, or when maintenance and repairs are carried out in the trunk area. Accidentally opening a trunk may cause injury to persons within the trunk's range of motion and damage to objects.



### Caution

- A valid vehicle key should not be within the surrounding of the tailgate when unattended.
- Before all maintenance and repair work is performed on the vehicle, the induction tailgate function must be turned off on the CID.
- Before each car wash, be sure to turn off the inductive tailgate function on the CID.

### Open and Close via Tailgate Button

2



## Preparations Before Driving



Press this button to open the trunk when the door is unlocking or a smart key with you.



Press this button to close/open the trunk, or pause the trunk that is being closed/opened.

## Trunk Opening Angle Setup



### Change the trunk opening angle:

- When the trunk is opened to the expected position, to interrupt its movement after opened at least half range, press and hold the button in the trunk until you hear the sound feedback, and the system will store the changed opening range/position.



### Restore trunk opening position:

- Forcefully lift the opened trunk up to the mechanical limit position, press and hold the button in the trunk until you hear the sound feedback, and the system will immediately restore the changed opening position.

### Manual Trunk Closing

Manually pushing the trunk to the closed position.

### Emergency Opening

If the trunk cannot be opened normally, try emergency opening.



1. Folding rear row backrests to enter the trunk.
2. Open the trim cover on the emergency unlocking device.
3. First push the green lever to the left and hold, press the white lever to unlock and open the trunk.

## Front Trunk Lid

### Opening



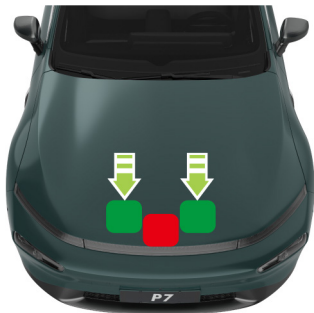
1. Pull the front trunk lid handle on the lower left side of the dashboard twice in succession, and the front trunk lid will pop up slightly to unlock.



2. Open the front trunk lid upwards, and the support bar will automatically hold the front trunk lid up.



### Closing



- Lower the front trunk lid until the front trunk lid lock contacts the latch.
- Place your hands on the front side of the lid (green areas shown in the figure above), and press down firmly to close the front trunk lid.

After closing the front trunk lid, please double check whether it is firmly locked. There is opening/closing status indicator on the instrument cluster.

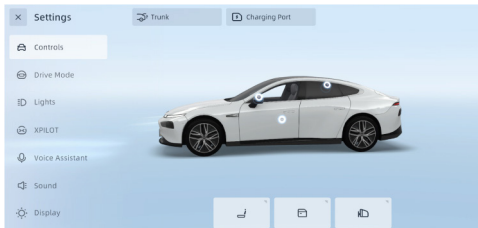
#### Warning

- Apply pressure only to the green areas as shown in the figure. Do not apply pressure to the red area, or it will cause damage to the front trunk lid.
- Do not close the front trunk lid with one hand, or it may cause dents or bends due to concentrated force.
- Do not press on the front edge of the front trunk lid, or it may cause the edge to bend.



## Exterior Rear-View Mirror

### Power Adjustment



1. Tap on the "🚗→Controls" on the CID to enter the control interface, tap on the 3D model "rearview mirror" to enter the adjustment operation interface.



2. **Left/Right Buttons of Steering Wheel:**
  - ▶ Slide the left/right scroll button of the steering wheel up and down to adjust the upper and lower angles of the left/right external rearview mirror accordingly.
  - ▶ Short or long press the left/right buttons on both sides of the steering wheel to correspondingly adjust the exterior rearview mirrors on both sides.




### Warning

- The exterior rear-view mirrors can be adjusted only when the vehicle is stationary.
- When folding or unfolding an exterior rear-view mirror, be sure not to get your fingers caught between the mirror and the mirror base.
- Do not manually press the mirror glass to adjust the tilt angle.
- Unauthorized modification of external rearview mirrors is prohibited.

### Reverse Auto-Tilt Function



2

1. Tap on the CID " → Controls", tap on the exterior rearview mirror on the interface 3D car model to enable or disable the function of the left or right external rearview mirror automatically turning down when reversing.
2. Swipe down from the top of the CID, to enable or disable the reverse auto-tilt function of the left or right rear-view mirror.

- When the vehicle gear is shifted into R, the exterior mirror on the corresponding side (with the reverse auto-tilt function preset) will automatically tilt to a certain angle to assist reversing.

### Memory Function of Exterior Rear-View Mirrors

To memorize different glasses positions based on different users' account.

### Auto Folding of Exterior Rear-View Mirrors

- Folding: The exterior rear-view mirrors fold automatically when the vehicle is locked.
- Unfolding: The exterior rear-view mirrors unfold automatically when the vehicle is unlocked.

### Folding the Exterior Rear-View Mirrors with the CID

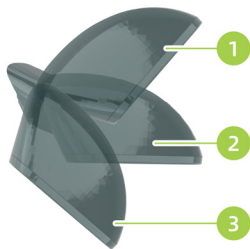


Tap on the CID "🚗 → **Controls** → **Exterior Rear-View Mirrors Adjust**" to unfold/fold the exterior mirrors.



## Preparations Before Driving

2



1. Forward folding status
2. Standard status
3. Backward folding status

The exterior rear-view mirrors may be in a forward or rearward folding position due to accidental crash or artificial pushing, but they can be recovered to normal positions by following the instructions below.

1. Unfold the exterior rear-view mirror on the CID, and wait for the action is completed.
2. Manually push the rear-view mirror to the normal position.

### Note


Before manual pushing, please check the folding surface for foreign objects such as ice and snow first, and then clear the foreign objects, otherwise the folding structure of the exterior rear-view mirror may be damaged.

## Exterior Rear-View Mirror Heating



After the vehicle is powered on, enter the air conditioning panel.



Tap the  button to activate the exterior rear-view mirror heating function; tap again to deactivate it.

### Caution

- When the vehicle is not started, it is forbidden to use this function for a long time, or the 12V battery may be unable to start the vehicle due to power exhaustion.
- Do not touch the exterior rear-view mirrors with your hands when this function is activated.

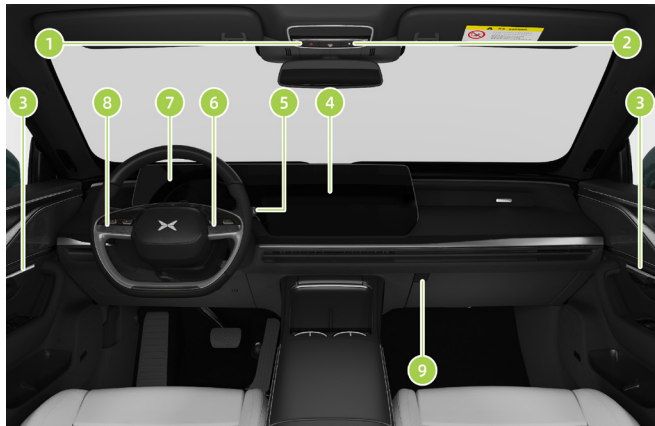
### Note

- The exterior rear-view mirror heating function will keep working for 14 min and then automatically deactivate (if you do not deactivate it manually).
- If the 12V battery voltage falls below 9V during the heating process, the system will automatically deactivate the heating function.



### Interiors

#### Interior Introduction



1. Hazard warning light switch.  
Refer to Page 98
2. Emergency power-off switch.  
Refer to Page 104
3. Interior door handle. Refer to Page 36
4. CID
5. Combination switch  
Gear switch. Refer to Page 107  
XPilot controller switch
6. Right Steering Wheel Buttons. Refer to Page 67
7. ICM  
Indicator light. Refer to Page 63
8. Left Button of Steering Wheel. Refer to Page 66
9. Glove box switch. Refer to Page 83

## Preparations Before Driving



10. Driver's power window switch

Door lock button. Refer to Page 38

11. Combination switch

Light control. Refer to Page 96

Wiper control. Refer to Page 101

12. Accelerator pedal

13. Brake pedal



## Preparations Before Driving

### Steering Wheel

#### Steering Wheel Position Adjustment



1. When the vehicle is stationary, pull the steering wheel handle downward to unlock the steering wheel.
2. Move the steering wheel to a proper position.

3. Pull the steering wheel handle upward to lock the steering wheel.

#### Steering Wheel Assist


##### Steering Assist

Do not adjust the steering wheel while driving or grasping it.

Comfort

STANDARD

SPORT

Tap on the CID " → **Vehicle Settings**" to enter the control interface, and tap to select the corresponding mode:

- Comfort: Reduce the torque required to turn the steering wheel, which is suitable for urban driving.
- Standard: Respond and react to situations most effectively.
- Sport: Increase the torque required to turn the steering wheel, to increase responsiveness of driving at higher speed.



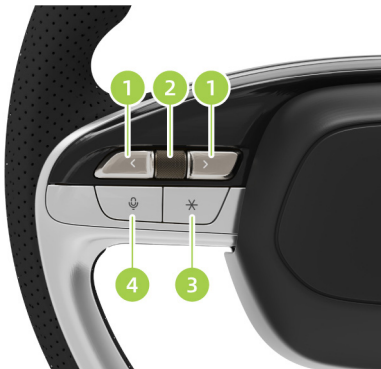
# Preparations Before Driving



## Warning

It is forbidden to adjust the steering wheel position or set up the steering wheel assist while driving.

## Left Button of Steering Wheel



### 1. Left/Right Buttons:

- Default: adjust the A/C air volume.
- Adaptive cruise: adjust the cruising distance.

### 2. Scroll:

- Scroll up and down to adjust the A/C temperature.
- Long press to enter the card switching mode on the left screen of the dashboard, scroll up and down to select the card, short press to confirm the selection.
- Scroll up and down to increase or decrease the Cruise speed when ACC is on.

### 3. Custom button:

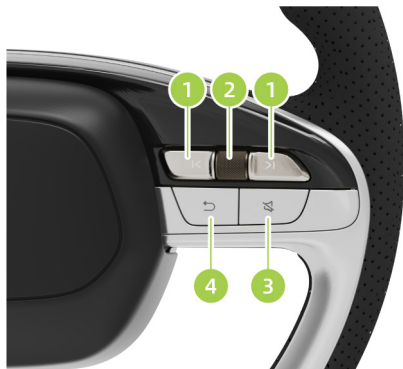
Short press to quickly call the custom function.  
Long press to set custom functions.

### 4. Voice Wake-Up Button:

Voice Wake-Up/Closed off XPENG.



### Right Button of Steering Wheel



1. **Arrow buttons:** Short press the up or down arrow button to play the previous or next station/chapter/song.

2. **Scroll:**

- Scroll up or down to adjust the media volume.
- Short press multimedia play/pause/pop-up confirmation.
- Long press to enter the card selection state on the right side of the dashboard.
- When your phone receives an incoming call, scroll up/down to answer/ignore, short press the scroll to confirm. When you are on the phone, short press to hang up.

3. **Mute button:** short press for mute.

4. **Return button.**

## Horns



Press the horn button and the horn will sound.

### Warning

- Do not press the horn button for a long time, otherwise it is extremely easy to damage the horn.
- Do not press or hit the horn button area vigorously, so as not to trigger the deployment of the driver's airbag and cause personal injury.

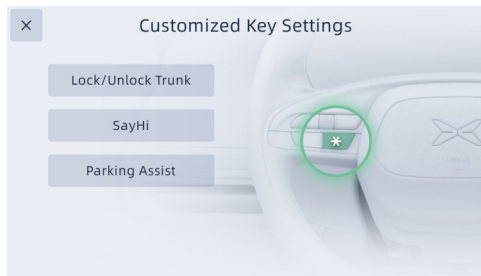
## Button Emergency Functions

Long press the Voice Wake-Up Button and Mute Button for about 5 s to restart IC and CID.

This function can be used temporarily in case of IC or CID errors such as suddenly frozen screens. If the fault still exists after restarting, please contact XPENG Service Center for repair as soon as possible.



### Setting Custom Button Function



Tap on the CID "🚗 → **Vehicle Settings** → **Customized Key Settings**", you can modify the custom button function on the steering wheel.

Set the custom button function via the steering wheel buttons:

Long press the custom button on the steering wheel to display the custom button function menu on the CID, and then tap to select the custom button function.

### Steering Wheel Heating



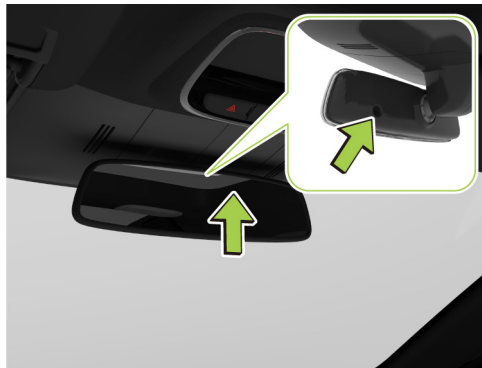
Open the AC interface, tap to turn on the steering wheel heating for 3 at 3 levels, repeated tapping for 2, 1, off, and 3.

# Preparations Before Driving



## Interior Rear-View Mirror

### Automatic Anti-Glare



It can automatically reduce the light coming from the rear based on the light sensor, thereby optimizing rear visibility for driver.

- ▶ Be careful not to cover the light sensor on the inside rear-view mirror, and clean its surface in a timely manner.

## Wireless Charging for Phones

### Wireless Charging for Phones



#### Mobile Device Wireless Charging

Wireless devices will not be charged when turned off.

The wireless charging function of the phone is enabled by default, tap on the CID "🚗 → **Vehicle Settings**" to disable/enable this function.



## Preparations Before Driving

### Charging Operation and Status



The wireless charging area is located in the front glove box. Please place the phone face up along the limit position in the sensing area during charging, the icon "⚡" will be displayed on the CID.

Wireless charging will stop when:

1. Charging completed;
2. Errors in the charging process, including vehicle supply voltage is too low or too high.

2

#### ⚠ Caution

- Only one phone can be charged wirelessly at a time, with a maximum charging power of 15W.
- On bumpy roads, the function may be intermittently deactivated and then activated. If the phone charging stops due to deviation from the induction area, you need to move the phone back to the induction area.
- This function requires a wireless connection between the vehicle and the phone. Therefore, charging may fail in case of either vehicle or phone fault.



## Caution

- The phone may stop charging due to overheating, please wait until it cools down to continue charging.
- The wireless charging function will pause for about 2-3s during vehicle starting or when the vehicle's first speed is greater than 40 km/h, and resume back to normal after the authentication between vehicle and key is completed.

## Warning

- The wireless charging function has a heating effect on metal. Please check the back of your phone and the induction area for metallic foreign bodies before charging. Otherwise, it may cause damage to the metallic foreign bodies due to heating and even cause a safety accident. Metallic foreign bodies in this context refer to other objects with metallic content, including but not limited to chips and magnetic stripe cards.
- Do not spill water in the front storage box, or it may enter the wireless charging module and cause damage to the electronic components.
- The external wireless charging coil may cause accidents. Please use it with caution.



### Warning

- Please do not leave your cell phone charging in the vehicle when the driver is not in the vehicle, or it may cause safety hazards.
- Please do not place heavy objects on the induction area, or it may damage the wireless charging module.
- If the wireless charging function of the phone does not work properly, stop using it and contact XPENG Service Center for troubleshooting.
- It is normal for the phone to heat up after charging for a long time. Do not place the charging device on the charging pad after it is fully charged, to avoid overheating.
- Do not use metal phone cases, such as those that support magnetic charging (MagSafe).
- It is not possible to wirelessly charge two or more devices at the same time.

### Windows

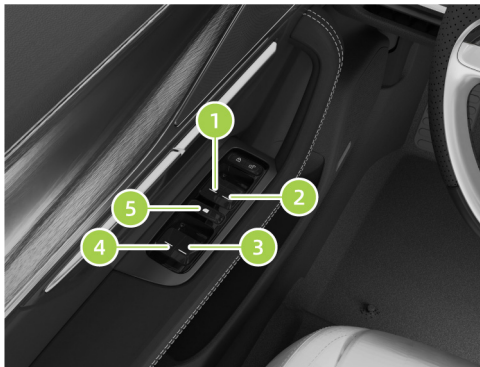
#### Windows Instruction

Windows can be controlled in the following ways:

- Master Window Switch
- Passenger Window Switch
- CID
- XPENG Voice
- XPENG App



## Master Window Switch



1. Left front door window switch
2. Right front door window switch
3. Right rear door window switch
4. Left rear door window switch
5. Passenger window lock switch

## Passenger Window Switch



The left rear door, right front door and right rear door are equipped with a passenger window switch.

The switch is divided into 2 levels of operation:

1. One-touch lift: hold down the switch and then release it, then the window will automatically



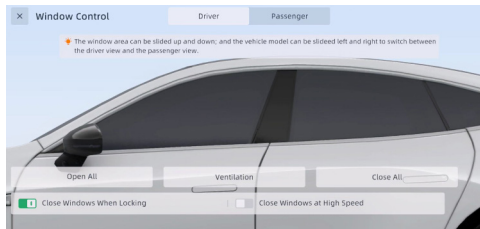
## Preparations Before Driving

2

roll up to the fully open position; pull up the switch and then release it, then the window will automatically roll down to the fully closed position.

2. Jog lift: to partially roll down the window, gently press and hold the switch at jog position, and release it when the window rolls down to the desired position; to roll up the window, gently pull and hold the switch at jog position, and release it when the window rolls up to the desired position.

### Turning On/Off the CID



Tap on the CID "🚗 → **Controls**", enter the control interface, tap on the 3D model "**window**" to enter window adjustment interface, you can adjust the window position, automatic window closing when the car is locked, and automatic window closing at high speed.

- Ventilation: tap the "**Ventilation**" button to roll down the four windows to the ventilation position.
- All windows open: tap the "**Open All**" button, and the four windows will automatically roll down to the fully open position.
- All windows closed: tap the "**Close All**" button, and the four windows will automatically roll up to the fully closed position.



## Initialization of Anti-Pinch Function

When the window anti-pinch function is deactivated, try to initialize it as follows:

1. Power on the vehicle and doors are closed. Pull up the primary switch of the window (at jog position) so that the window is fully closed and hold for 3 seconds, then release.
2. Press the primary switch of the window (at jog position) to lower the window to the automatic stop position, then release.
3. Press the primary switch of the window (at jog position) again to fully open the window and hold for 3 seconds to complete the window initialization.

The following operations to check for completion of initialization:

1. Press the secondary switch (at one-touch lift position) and release it, the window can automatically drop to the fully open position.
2. Pull up the secondary switch (at one-touch lift position) and release it, the window can

automatically rise to the closed position.



### Caution

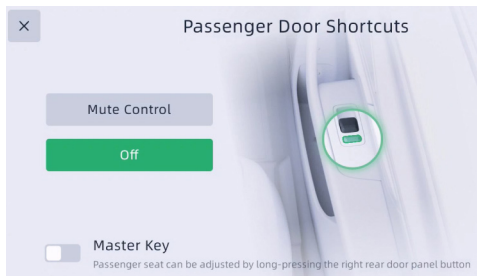
- Set the windows to be fully open and closed within 15 seconds.
- Setting the windows to fully open and close must be completed consecutively. If you only complete one of the steps, the anti-pinch function may fail. Two consecutive steps are required to avoid this risk.
- When the window is automatically closing, if an obstacle is detected above the window, it will automatically stop rising.



### Warning

- Before closing the window, the driver must ensure that all passengers (especially children) do not stick any part of their body out of the window. Otherwise, there is a risk of pinching!
- When there is a child in the vehicle, to ensure safety, it is necessary to lock the passenger window switch to prevent the child from operating the window and getting pinched.

### Passenger Door Shortcuts



The right front door, left rear door, and right rear door are equipped with shortcuts.

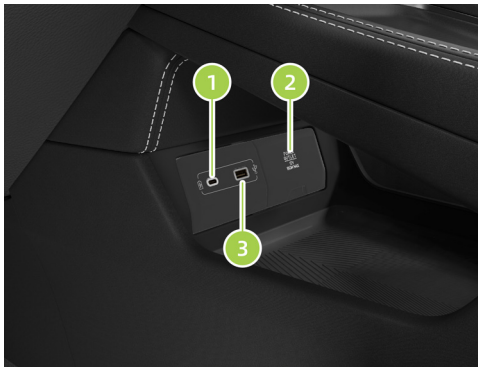
Through the CID " → **Vehicle Settings** → **passenger Door Shortcuts**" once it's defined, press it to quickly call:

- ▶ Mute on/off: Tap to mute and tap again to restore the volume.
- ▶ Switch multimedia sources: tap to switch between online music, Bluetooth music, radio, and audio books.

- ▶ **Boss key:** to move forward the passenger seat, keep pressing the right rear door shortcut until the seat reaches a position where the rear seat passenger feels comfortable.

### Power Supply Port

#### On-Board Charging Ports



1. **Type-C power port:** connect the Type-C cable to charge, support standard charging protocol, and the maximum power is 60W. Support USB2.0 data transmission, support wired Carplay.



## Preparations Before Driving

2. 12V power port: the maximum power supported is 180W.
3. USB media port: used for data transmission, microphone, game controller, etc.

### Warning

It is forbidden to use the USB media source interface for charging, otherwise, it may cause the CID to crash or restart.

### Ports behind the Central Armrest Box



1. USB port: used for charging the devices by connecting a USB cable, with the maximum output current of 2.1A.
2. Type-C power port: the maximum power supported is 60W.

2

## Warning

It is forbidden to modify the Type-C port without authorization.

## Power Port for Interior Rear-View Mirror



1. **USB port: used for powering the driving recorder, with the maximum output current of 2.1A.**

## Caution

- To protect the vehicle's electrical system, never connect a power generating device to the USB port.
- During vehicle power-on/off, unplug your device from the USB power port to avoid it from being damaged by voltage fluctuations.
- It is prohibited to use USB power ports when the vehicle is unattended. Improper use of the USB port may cause fires.
- It is prohibited to use high-power electrical device.
- The operation and use by children are prohibited.



### Storage

#### Door Storage Box



- On each door interior trim panel, there is a storage slot for items.

#### Front Cup Holder



- There is a lifting cup holder on the auxiliary instrument panel, which can be used to place drinks and water cups.
- After the cup holder is lowered, press the button on the inner wall of the cup holder to raise the cup holder to the original position.



### Caution

- When using the cup holder, avoid placing tiny objects and other sundries to prevent the cup holder from stuck and unstable when lifting.
- Do not place any open cup in the cup holder during driving! Otherwise, the hot drink spilled in the cup will scald the driver and the occupants, and may also damage the vehicle and the electrical equipment in the vehicle.

### Armrest Storage Box



- There are unlock buttons on the left/right sides of the armrest box, press the unlock button to open the storage box lid.



### Seat Back Storage Pockets



- On the back of front seats, there are storage pockets for books, newspapers, etc.

### Glove Box



- Opening: Press the unlock button to open the glove box.
  - The glove box light comes on automatically when the glove box is opened.

# Preparations Before Driving



- Closing: Push the glove box forward until it is closed and locked.
  - ▶ The glove box light goes off automatically when the glove box is closed.

## ⚠ Caution

Please close the glove box while driving, or the front passenger may be injured by it due to inertia in case of an accident.

## Roof Rack Interface

### Introduction





The roof rack interface can be used to install the optional roof rack. If using a roof rack, please follow the instructions and safety warnings provided in this section, as well as the manual on how to use the roof rack.

- To ensure the roof rack is securely mounted without any damage.
- To properly load different types of cargo (e.g. skis, bikes), please use the appropriate accessories. Check that the accessories are correctly and securely installed according to the instructions. Do not load cargo directly onto the top sheet metal, or the cargo will damage the top sheet metal.
- The total weight of the roof rack and cargo shall not exceed the rated load of the roof (75 kg). In addition, the total mass of a fully loaded vehicle, including driver, passenger, cargo, and roof load, shall not exceed the maximum total mass of the vehicle listed in the chapter "**Vehicle Specification**".
- The roof rack is not allowed to hold luggage

more than 40cm high. If the luggage height exceeds 40 cm, the speed of the vehicle should be adapted to the contour of the road to avoid damage to the roof rack.

- When loading cargo on the roof, place the heaviest items underneath and distribute the cargo as evenly as possible.
- Don't carry oversized items that hang from bumpers or the side of the vehicle to block the view.
- Attach the front and rear ends of long items such as boards and surfboards to the front and rear of the vehicle, protecting your vehicle's paint from being scratched by a pulled rope.
- Check the roof rack regularly to ensure it is securely mounted without any damage.
- For vehicles equipped with a roof rack ports, ensure the ports are covered before installing the roof rack.

## Sun Visor

### Sun Visor



- Flip down sun visor to block the sunlight shining through the front windshield.
- When the sun visor is flipped down, open the cover plate to use the makeup mirror, with the light coming on automatically.



- When the sun visor is flipped down, pull it out from the movable bracket along the arrow direction to block the sunlight shining through the side windows.



### Warning

The flipped-down sun visor may affect the driver's field of view in front. Be sure to place the sun visor back into its holder if it is no longer needed.

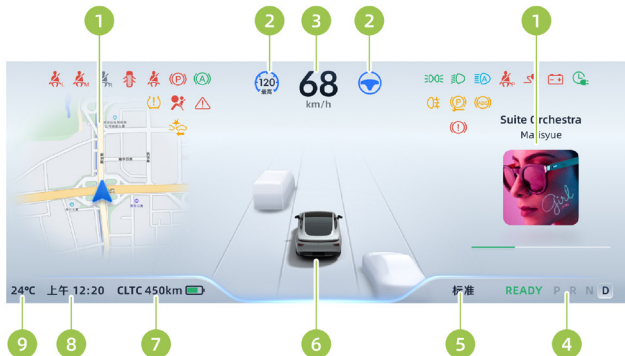
## Instrument Panel

2

### ICM

The vehicle comes with a 10.25-inch full LCD dashboard with integrated display of music and entertainment, navigation, vehicle status monitoring, alarms, etc. During daily driving, pay attention to your dashboard to learn the vehicle status in real time.

All pictures shown are for illustration purpose only. The actual dashboard display may vary due to changes in settings, function usage, vehicle configuration, software version, etc.



## 1. Information Display Zone

- The display information can be switched through the scroll buttons of the steering wheel, and you can choose vehicle conditions, energy consumption, mileage, navigation, and music.

## 2. Indicator Lamp

- Indicator lights located in different positions on the instrument cluster can reflect the status of the vehicle function.



3. Speed
4. Gear
5. Driving Mode
6. Integrated Information Display
  - Displays the simulated environment outside the vehicle.
  - Display the warning information of XPILOT Driving.
  - Display vehicle alarm information.
7. Battery indicator light/range
  - Displays the percentage of the traction battery and estimated range
8. Time
9. Temperature



# Preparations Before Driving



## light Lamp

Some indicator lights will come on when the vehicle is powered on and go off after system self-inspection. Some indicator lights are on to indicate the current status of the vehicle system functions, not for system faults.

If you are unsure what happen or what to do with your car when the indicator light is on during daily driving, contact XPENG Service Center or Customer Service Center for consultation.



Door open indicator

READY

READY indicator



Rear fog light indicator



Position light indicator



High beam indicator



Low beam indicator



Left turn signal and hazard warning indicator



Right turn signal and hazard warning indicator



Airbag fault indicator



Unfastened driver's seat belt warning indicator



Unfastened front passenger's seat belt warning indicator



Unfastened rear left seat belt warning indicator



## Preparations Before Driving

2



Schedule charge indicator light



EPB fault indicator light



AUTO HOLD turn on the indicator



AUTO HOLD fault indicator



Braking system fault indicator light



ESP indicator



ESP OFF indicator light



ABS indicator light



Unfastened rear middle seat belt warning indicator light



Unfastened rear right seat belt warning indicator light



EPB status indicator light



Electric Power Steering (EPS) indicator light



12V battery charging system indicator light



Charging gun plugged indicator light



Electric system fault indicator light



Motor and IPU overheat indicator light

# Preparations Before Driving



IBooster fault indicator



Tire pressure monitoring warning light



Vehicle Control Unit (VCU) power limited indicator light



ACC ON indicator light



ACC Ready indicator light



Smart high beam activation indicator light



Smart high beam fault indicator light



Smart high beam open indicator light



Traction battery high temperature indicator light



Traction battery fault indicator light



Traction battery cutoff indicator light



Traction battery-low battery indicator light



Forward collision warning function off indicator



Lane Centering Control (LCC) ready indicator light



Lane Centering Control (LCC) activated indicator light



Vehicle centering assistant system fault



Smart low beam activation indicator light



Forward collision warning function fault indicator



Low washer fluid level indicator

### Exterior Lights

#### Exterior Lights Description

This vehicle can automatically turn on/off the position light and the low beam by detecting the ambient light condition with the light sensors. You can also control the lights with the CID.

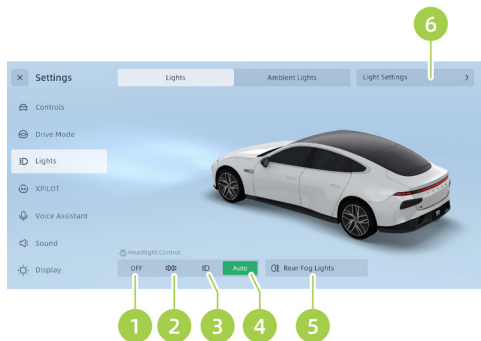


#### Warning

It is forbidden to replace or refit headlights without authorization (including sticker on the surface of the headlights). Please contact XPENG Service Center for troubleshooting as soon as possible when the headlights fail.

#### Control within CID

Tap "🚗 → Lights" on the CID to enter the light control interface, and tap light buttons to control corresponding lights.



## 1. Turn off all exterior lights

- Tap this button to turn off all exterior lights; tap light buttons to turn on corresponding lights.

## 2. Side marker lights

- Tap to light up lights such as position lights and license plate light.

## 3. Low beam

- Tap to turn on the low beam and position lights.

## 4. Automatic control

- Tap this button to activate/deactivate the automatic control function.

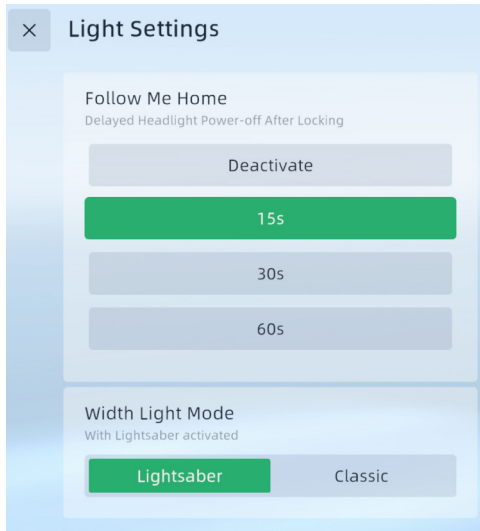


### Caution

The automatic control function may be limited by the external environment. When it does not work properly, please turn on the lights manually in time according to the road conditions.

## 5. Rear fog light

- Tap to turn on/off the rear fog light.
- When the low beam lights are off, the rear fog light will go off.



### 6. Light settings

Tap this button to set the Light Me Home function and Side Marker Light mode and light language settings, etc.

#### Light Me Home Function

- Tap the corresponding button to activate the Light Me Home function and set the light duration.
- With this function activated, when you park the vehicle in a dark environment, the low beam will be on for 15s/30s/60s and then off. The low beam will be off immediately if the vehicle is powered on within 15s/30s/60s.

#### Width Light Mode

- Tap the "**Classic**" button to switch to Classic mode.
- Tap the "**Lightsaber**" button to switch to the lightsaber mode.

## Front Headlight Height Automatic Adjustment

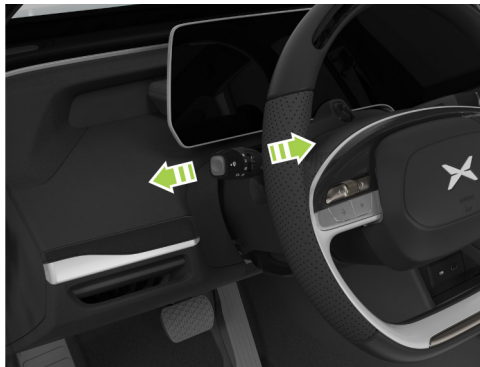
The vehicle can automatically adjust the irradiation height of the low beam according to the load, so as to prevent dazzling caused to others in the opposite direction and ensure the maximum exposure range for itself on the premise..

## Daytime Running Lights

**ON:** When the vehicle is in the READY state in a non-P gear, low beam and turn signals are off, daytime running lights will be on.

**OFF:** When the whole vehicle is powered off or not in the READY state, or the gear is in P, low beam and the turn signal are on, daytime running lights will be off.

## High Beam



- With the low beam on, flip the combination switch forward once, the high beam to turn on, flip the combination switch forward again, and the high beam is off;
- Continuously flip the combination switch backward and release it, the high beam will



flash to alert the preceding vehicle or give a sign.

### Caution

High beam can dazzle the driver of oncoming car, so please use it properly.

## Turning Signal Lights





After turning on the turn signal lights, then the corresponding indicator on the ICM will flash with "da-da" sound.



## Preparations Before Driving



- Flip the combination switch down to the limit position and turn on the left turn signal light, the indicator on the ICM  will flash.
- Flip the combination switch up to the limit position and turn on the right turn signal light, the indicator on the ICM  will flash.
- Flip the combination switch to the initial position or turn the steering wheel back to turn off the turning signal.

### Lane Change Flashing

To indicate lane change, quickly flip the combination switch up or down to the resistance point and release it, the combination switch will immediately return and the corresponding turn signal light flashes 3 times.

### Hazard Warning Light



Press the hazard warning light switch on the roof switch panel to turn on the hazard warning light, and all turn signal lights flash. Press again to turn it off.



### Note

The hazard warning lights can be switched on whether the vehicle is powered on or off.

## Interior Lights

### Interior Reading Lights

Interior reading lights are installed on the roof of the vehicle.

### Turning On and Off the Interior Front Reading Lights

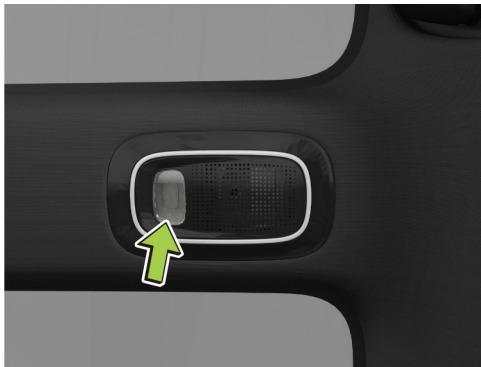


The interior reading light is installed in the switch panel on the roof of the vehicle, and the indoor reading light can be turned on by touching the lampshade on the corresponding side, and can be turned off by touching it again.

## Preparations Before Driving



### Turning On and Off the Interior Rear Reading Lights



Touch the lampshade to turn on or off the corresponding reading light.

### Foot Light

The footlights are located on the guard plate above the driver's feet.

Main and passenger doors opened, foot lights on. Main and passenger doors closed, foot lights out.

### Trunk Light

When the trunk is opened, the trunk light automatically turns on.



### Wipers and Washers

#### Wiper Switch





After the vehicle is powered on, rotate the wiper switch to select:

- OFF: Turn off wiping.
- AUTO: Automatic Wiping.
- LO: Continuous low-speed wiping.
- HI: Continuous high-speed wiping.

#### Wiping with Mist


Front wiper switch to **"OFF"** position:

- Flip the washer switch  and release it immediately, the wipers will wipe for one stroke.
- Flip the washer switch  and hold it, the wipers will keep working. After releasing, wipe 3 times and stop.



## Automatic Wiping

Turn the wiper switch to the **"AUTO"** position to activate automatic wiper on front one.

- Toggle switch , automatic wiper sensitivity can be set.

### Note

- It is recommended to deactivate the automatic wiping during vehicle washing or in sandy, sunny or cloudy weather, to avoid damage or personal injury caused by accidental wiping.
- The automatic wiping is an auxiliary function. The driver should manually operate the wipers as required by driving conditions to ensure safe driving.


## Continuous Low-Speed Wiping


Turn the wiper switch to the **"LO"** position to activate continuous low-speed wiping on front one.

## Continuous High-Speed Wiping

Turn the wiper switch to the **"HI"** position to activate the continuous high-speed wiping on front one.

## Washing with Water

Front wiper switch in **"OFF"** or **"AUTO"** position, long press the washing switch , the cleaner will spray water continuously, and stops spraying water after releasing it, and the front wiper stops after 3 strokes at low speed.

Front wiper switch in **"LO"** or **"HI"** position, long press the washing switch , the cleaner will spray water continuously, and stops spraying water after releasing it, and the front wipers will keep working at a low or high speed.



### Acoustic Vehicle Alerting System (AVAS)

2

#### **Acoustic Vehicle Alerting System (AVAS) Description**

This vehicle is a pure electric model with low noise when starting and running. To alert pedestrians to pay attention to safety, it is equipped with Acoustic Vehicle Alerting System (AVAS).

After the function is enabled, the vehicle is in the running state and the driving speed is less than < 30 km/h, the vehicle will make the warning sound.

## Vehicle Power On/Off

### The vehicle is powered on

Use the keys (including XPENG App) to unlock the vehicle and open the driver door. Then the vehicle will be automatically powered on.

Provided that the vehicle is power-off and the smart key is placed in the vehicle, the vehicle will be powered on automatically when you step on the brake pedal.

### The vehicle is powered off

#### Conventional power-off

When the vehicle is powered on or in the READY status, if the driver's seat is not occupied and all doors (including the front hatch and trunk lid) are closed, the following operations will power off the vehicle:

- Lock the vehicle with the smart key.
- Lock the vehicle by XPENG App.

## Emergency power-off



The vehicle can active emergency power-off when the driver's seat is occupied or the door is open.

- When the vehicle is static, tap and hold the emergency power-off switch for 5 s to power off directly.



- In the case of a running vehicle, tap and hold the emergency power-off switch for 5 s, and a prompt pop-up will appear on the instrument cluster, and the vehicle can be powered off only after clicking to confirm.

### Automatic power off

- With the driver's seat unoccupied and gear in P position and all doors, front hatch and trunk lid closed, the vehicle will be powered off automatically after 1 h of no operation.
- In the last 10 min of countdown for automatic power off, a pop-up window will be displayed on the CID. You can click to cancel and restart the 1-hour countdown.

## Start the Vehicle

### Start the Vehicle

1. Carry the key into the vehicle.
2. Step on the brake pedal and shift to Gear R or D to start the vehicle.

#### Note

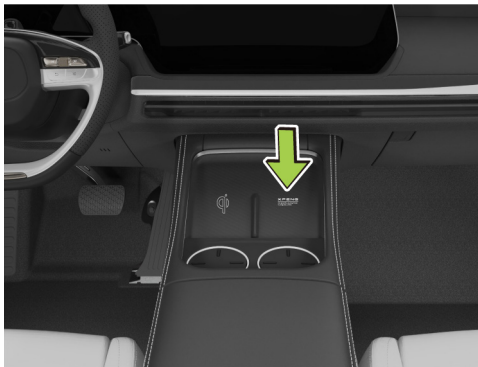
- After the vehicle is started, the dashboard will beep with the "**READY**" indicator on.
- When the vehicle cannot be started during charging, the dashboard will display "**Gun connected, gearshift disabled**".
- If you try to start the vehicle without stepping on the brake pedal, the dashboard will display "**Please apply the brake before gearshift**".





## Emergency Vehicle Start

If the dashboard displays the message **"Please replace the key battery"**, it indicates that the SOC of key battery is low. You can try emergency vehicle start:



1. Put the key in the arrow position on the sub-dashboard.
2. Step on the brake pedal and shift to Gear R or D to start the vehicle.



### Note

- When the SOC of key battery is low, replace it as soon as possible.

## Gear

### Gear shift

Press the brake pedal and flick the shift lever up or down. When the corresponding gear indicator comes on, it indicates the gear has been shifted successfully.



## Gear description



### R: Reverse gear

When the vehicle is stationary, step on the brake pedal and push the shift lever up to the second gear at the same time. The R gear indicator light on the instrument cluster will be highlighted, and the vehicle enters R gear at this time.

### N: Neutral gear

The vehicle gear can be shifted to N through the following operations, with the gear "N" indicator highlighted on the instrument:

- With the gear in D, push the shift lever up to the first gear and hold for 1 s.
- With the gear in R, push the shift lever down to the first gear and hold for 1 s.
- With the gear in P, press the brake pedal and push the shift lever up or down to the first gear and hold for 1 s.

### N Gear Mis-Operation Protection

With the gear in D or R and vehicle speed  $\geq 0$  km/h, operate to enter (or mistakenly trigger) N gear, a prompt showing **"There is a driving risk to shift to N gear in the driving state, confirm shift?"** will be popped up on the dashboard. You need to press the confirmation button on the right side of the steering wheel within 5 s to shift to N gear. If there is no operation after 5 s, the prompt on the dashboard will disappear, and the gear will not shift to N.



## N Gear Mis-operation Protection

You can directly shift to the N Gear when this function is off. Take care not to accidentally touch the gearshift lever.

Click on the CID " → **Vehicle Settings**" to enable or disable the N gear mis-operation protection.

### D: Drive gear

When the vehicle is stationary, step on the brake pedal and push the shift lever up to the second gear at the same time. The D gear indicator light on the instrument cluster will be highlighted, and the vehicle enters D gear at this time.

### P: Park gear

When the vehicle is stationary, step on the brake pedal while pressing the Gear 'P' button on the end of the shift lever. Then the indicator of gear "P" on the instrument cluster will come on and the gear will be shifted to P.

- When the charging gun is connected to the vehicle for charging, the gear will be automatically shifted to P.

- With the gear in D or R and vehicle speed < 3 km/h, when the driver neither fastens the seat belt nor steps on the brake pedal and accelerator pedal, the gear will be automatically shifted to P after the driver's door is opened.



### Caution

- Certain conditions need to be satisfied to shift gears. If you shift the gear with the conditions unsatisfied, the dashboard will show "**gun connected, unable to shift gears**", "**Please apply the brake before shifting gears**", or "**Please slow down first and then shift gears**". Operate according to the prompts to satisfy the gearshift conditions.
- If you are unable to shift gears normally, contact XPENG Service Center for maintenance.



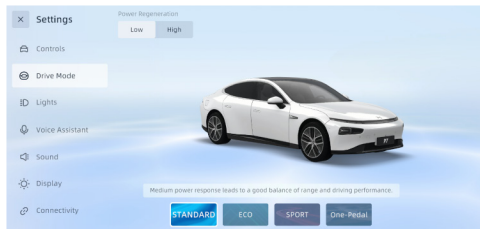
## ⚠ Caution

- Before you get off the vehicle or park on a ramp, make sure you have shifted gear to P to prevent the vehicle from moving due to inertia.

## Mode

### Driving Mode

Click on the CID " → **Drive Mode**" to select the driving mode.



- Standard: moderate power response with a balance of range and driving performance.
- The energy saving: Slow power response for extended vehicle range.
- Sports: Fast power response, enjoy super driving pleasure.
- Single pedal: Acceleration/deceleration is controlled by the accelerator pedal.

### Slippery road assistance



#### Slippery Road Assistance

Provides better anti-skid performance in snow

Click " → **Vehicle Settings**", turn on/off the slippery road assistance function. After this function is turned on, the power response is slower, which can prevent the vehicle from slipping on slippery roads.



## 4WD system\*

The driving system of this car is a timely 4WD, which does not require manual operation. The system intelligently switches between the 2WD mode and the 4WD mode according to the vehicle's operating conditions.

When the vehicle is driving on a good condition road, in order to ensure the comfort and economy of the vehicle driving, the vehicle will give priority to the 2WD mode. When the driver has a large power demand, switch to the 4WD mode; when the vehicle is driving on slippery roads, muddy roads, icy and snowy roads, sandy roads, and complex outdoor roads, as well as in situations such as medium-to-high speed acceleration and large dynamic turns, the timely 4WD system can intervene in time, and through intelligent torque distribution, it can ensure the traction of the four wheels and achieve the best passability and safety, ensuring the stability and comfort of the vehicle.

## Energy regeneration

### Energy regeneration

The energy regeneration function can convert part of the kinetic energy of the vehicle into electrical energy when the vehicle is coasting or braking, which can charge the traction battery and increase the range.

#### Energy Regeneration When Coasting

With the accelerator pedal and brake pedal released, the vehicle can regenerate energy during coasting.

#### Energy Regeneration When Braking

Depress the brake pedal to regenerate energy during braking.

#### Factors Affecting Energy Regeneration Effect

The effect of energy regeneration to the traction battery depends on the following factors:

1. Traction Battery SOC and Temperature



### 2. Energy regeneration level:

Click on the CID " → **Drive Mode**", select the energy regeneration level.



#### Note

If the energy regeneration brake significantly reduces driving speed (e.g., when driving on a steep slope), the brake light will come on to remind the driver behind that you are slowing down.

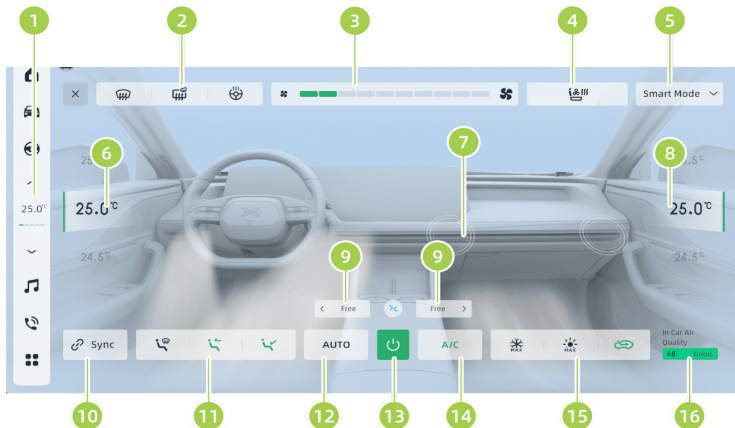


#### Caution

The deceleration realized by energy regeneration cannot replace the braking required for safety, and the driver shall apply the brake in time according to the actual situation.

## Air Conditioning

### A/C Interface Overview



1. Air conditioning

— Display air conditioning status




— Click up and down to set the temperature on

the driver's side

— Click to open/close the air conditioning interface



## 2. Heating and Defrost

-  Front windshield defrost
-  Rear windshield / exterior rear-view mirror defroster
-  Steering wheel heating

## 3. Regulate the air volume

## 4. Seat heating/ventilation [Refer to Page 123](#)

## 5. Smart Mode [Refer to Page 115](#)

## 6. Adjust the driver's side temperature

## 7. When the air conditioner is turned on, click to open/close the air outlet, drag to adjust the air outlet direction

## 8. Adjust the front passenger side temperature



## 9. Wind direction mode: Free wind, mirror wind, one-way wind, and whole vehicle sweep can be selected

## 10. Temperature synchronization: The temperature on the driver's side is adjusted synchronously with the temperature on the front passenger's side when it is turned on

### Note

When the ECO mode is turned on, the temperature synchronization is automatically turned on. If the front passenger's seat is unoccupied, the temperature synchronization cannot be turned off.

## 11. Blowing mode




-  Towards window
-  Towards face
-  Towards foot

## 12. AUTO: After turning on, the air conditioner will automatically be controlled according to the set temperature

## 13. A/C On/Off





14. **A/C:** After turning on, the air conditioner controls cooling or heating according to the set temperature and the temperature inside and outside
15. **Rapid Temperature Control/Internal and External Circulation**
  -  Max cooling
  -  Max heating
  -  Switching Internal and External Circulation
16. **Purification for PM 2.5**
  - Display air quality inside and outside the vehicle
  - Tap to turn on/off the air purification

### Note

Air conditioning can also be controlled through the steering wheel [Refer to Page 66](#) and voice.

## A/C Smart Mode\*

### Intelligent Deodorization

Suitable for quickly removing the smell of a new car at the beginning of the car's life, or when an abnormal smell is detected in the car while driving. When activated, this mode provides continuous ventilation for 180 s and improves driving comfort.

### ECO mode

After the ECO mode is turned on, the air conditioner will run in a more power-saving mode, reducing the power consumption of the air conditioner and extending the range. The cooling or heating performance of the air conditioner will be affected to a certain extent after it is turned on.

### Exhaust Protection

After it is turned on, when the vehicle detects exhaust pollution outside the vehicle, it will automatically switch to the internal circulation mode to ensure the air quality inside the vehicle.



### Smart Front Passenger Air Outlet

When driving alone, it is recommended to turn on **"Smart Front Passenger Air Outlet"**, after this function is turned on, it will close the air outlet of the front passenger under appropriate circumstances to reduce the power consumption of the air conditioner and extend the range.

### Self-drying function

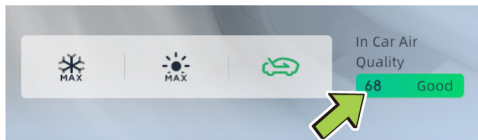
After it is turned on, if the air conditioner is still running when the vehicle is locked, it will intelligently detect the water accumulation in the air conditioner system and turn on the self-drying function to reduce the growth of bacteria and reduce the chance of odors in the vehicle. The self-drying function consumes a certain amount of power and has a small impact on the range.

### Air Purification

The air purification system obtains the air quality inside and outside the vehicle through sensors and the Internet, and displays it on the air conditioning interface. When the air quality in the vehicle is poor, it will actively remind you to turn on the air purification function.

Air purification can be turned on in the following ways:

- Say to Xiao P: Air purification.



Click on the area below the air quality in the vehicle on the CID to start purification.

- After AUTO is turned on, when the air quality level in the vehicle is moderately polluted or poorer, the purification will be automatically turned on.

Exit the air purification in any of the following ways:

1. When the air quality level in the vehicle is good or better, it will stop automatically for 30 s.
2. During purification, click the air purification icon in the lower right corner of the air conditioning control interface again to stop the purification.
3. During air purification, turn off the air conditioner and the purification will exit accordingly..
4. During air purification, turn on max heating, max cooling, and intelligent deodorization, and the purification will exit accordingly..

## Panoramic sunroof

### Introduction



This vehicle is equipped with a panoramic sunroof with a heat-insulating coating, which brings better lighting to the vehicle inside.

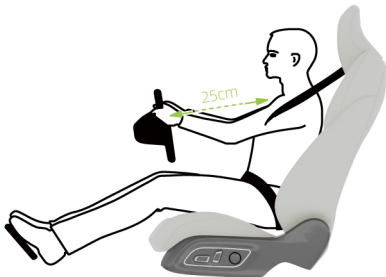


### Front seats

#### Proper Driving Position

Whether the driver seats properly has a direct impact on driver fatigue and driving safety.

To improve safety and reduce the risk of injury or death in an accident, the driver should perform the following operations:

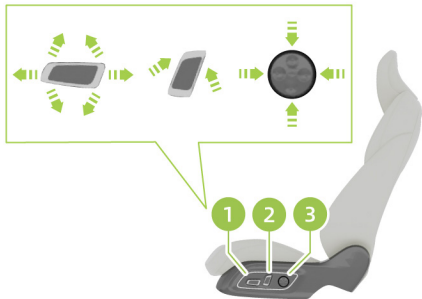


1. Sit upright with your feet on the floor.
2. Make sure you can easily reach the pedals, hold the steering wheel with your hands with your arms slightly bent, and keep your chest at least 25 cm away from the center of the airbag cover shell.
3. Place the middle part of the seat belt between your neck and shoulder. Tighten and wrap the seatbelt around the hip joint (not the abdomen).

#### Note

Slide the seat to the middle of the rail, and adjust the seat backrest to normal angle (25°).

### Front seats come with multi-direction electric adjustment



Adjust the driver's seat through the switch:

#### 1. Seat/cushion adjustment switch

- Seat front and rear adjustment: Flip the switch forward/backward

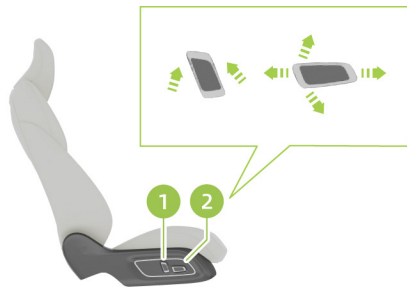
- Seat height adjustment: Flip the rear switch up/down
- Cushion angle adjustment: Flip the front switch up/down

#### 2. Backrest angle adjustment switch

#### 3. Lumbar rest adjustment switch

Lumbar rest front and back adjustment

Lumbar rest height adjustment



- Seat height adjustment: Flip the rear switch up/down

3

**Adjust the front passenger's seat through the switch:**

- 1. Backrest angle adjustment switch**
- 2. Seat adjustment switch**
  - Seat front and rear adjustment: Flip the switch forward/backward



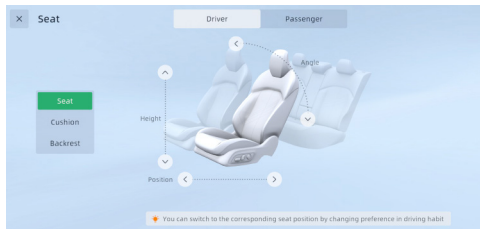
## Seat Adjustment Parameter

In the initial position, the adjustment parameters of the seat are as follows:

	Item	Parameter
Driver seat	Front and back adjustment	Total stroke 235 mm, forward 190 mm, backward 45 mm
	Up and down adjustment	Total stroke 59.7 mm, up 27 mm, down 32.7 mm
	Backrest adjustment	Total stroke 80°, forward 20°, backward 60°
Front passenger seat	Front and back adjustment	Total stroke 235 mm, forward 190 mm, backward 45 mm
	Up and down adjustment	Total stroke 59.7 mm, up 27 mm, down 32.7 mm
	Backrest adjustment	Total stroke 80°, forward 20°, backward 60°



## Adjusting the front seats with the CID



Click on the CID " →Controls→Seat" to enter the adjustment interface.

- Tap the corresponding buttons to adjust the backrest, seat height, and move the seat forward/backward.
- Tap the "Backrest" or "Cushion" button to enter the function adjustment of the seat lumbar support.

### Caution

- Be careful when adjusting the seat to avoid the seat movement from hurting other occupants.
- Do not put your fingers or other body parts under the seat, as they may get pinched by the seat.
- Never place a foot mat thicker than 10 mm or other foreign objects (such as drink bottles, charcoal bags) under the front seat, they may get caught between the seat and the rail and hinder the seat adjustment and locking, thus damaging the seat. It is recommended to use the foot mats officially certified by XPENG.
- Do not adjust the front seats during driving, as you will deviate from the correct seating position while adjusting, which may cause personal injury or death.





## ⚠ Caution

- Do not adjust the seat with the seat belt on, or it may lead to personal injury of other occupants and failure of protection if the seat belt is unfastened.
- Do not modify or dismount the front seats by yourself.

## Driver's Seat/Front Passenger Seat Memory Function



Click on the CID " → **Controls** → **Seat**" to enter the adjustment interface.

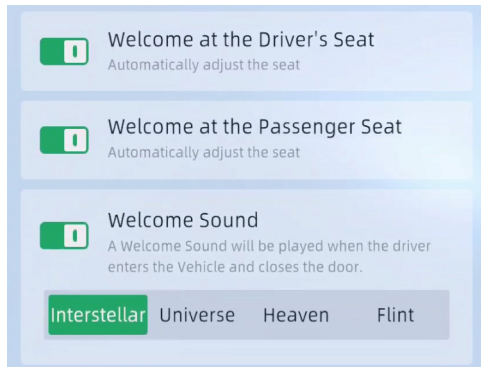
- Tap the "**Save**" button to save the seat position information into the current driving habits.
- Tap the "**Recover**" button to extract the seat position information from the current driving habits.

## i Note

- Driving habits can be switched on the Personal Center interface.
- Prerequisite for extracting the seat position: the driver's seat is detected as occupied with the vehicle speed below 3 km/h.



## Welcome Mode



- Click on the CID "🚗 → **Vehicle Settings**" to enable or disable the welcome mode.
- You can also enable and set the welcome sound effect in this interface. After the welcome sound effect is set, the driver enters the vehicle, and the welcome sound will be played after closing the door.



### Caution

When the driver's door is opened with the welcome mode enabled, the seat will be moved back to make it easier to exit the vehicle. When the door is closed, the seat will be moved forward to the memory position.

3

## Seat heating/ventilation\*



Open the air conditioner interface, click "🌬️", turn on the seat heating/ventilation interface.

Click on "🌀" to turn on the ventilation function of the corresponding seat in Gear 3. Repeated clicks to Gear 2, Gear 1, off, and Gear 3.

Click the heating icon to turn on the heating function of the corresponding seat in Gear 3. Repeated clicks to Gear 2, Gear 1, off, and Gear 3.

### Rear seats

#### Adjusting the Rear Seat Headrests



- Down: Press and hold the locking button, while pressing down the headrest to the desired position.
- Up: Lift the headrest directly to the desired position.



### Caution

The lowest position of headrest is not suitable for use. The headrest should not be adjusted to the lowest position when the rear seat is occupied.

## Folding Rear Seats



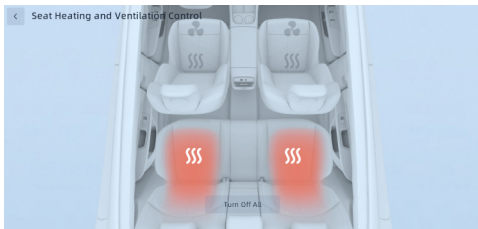
1. Pull the backrest unlocking handle forward.
2. Fold forward the backrest.

▶ To restore the backrest's position, lift it upwards until the red mark on the unlocking handle is hidden. If the red mark is still visible, the backrest is not snapped into place.

### Caution

When folding the backrest, remove objects from the rear seats, so as not to obstruct the seat backrest folding in place.

## Rear-row Seat Heating



Open the air conditioner interface, click "🌬️", turn on the seat heating/ventilation.

Click the heating icon to turn on the heating function of the corresponding seat in Gear 3. Repeated clicks to Gear 2, Gear 1, off, and Gear 3.



### Seat belts

#### Advantage of Wearing Seat Belts Properly

Properly wearing seat belts can restrain the driver and passengers in restricted positions.

After a vehicle collision, properly wearing seat belts can assist other safety systems to absorb the energy generated by the collision at the same time, slowing down the inertia of forward motion of driver and passengers and preventing them from being thrown forward, while assuring them the best protection by the airbags and minimizing the injury impact.

#### Warning

The driver and passengers must wear seat belts properly, otherwise they will be thrown out forward in an accident, which will not only injure themselves but also endanger others in the vehicle.

#### Seat belt pretensioner

In the event of a severe front or side collision, the pretensioners will operate simultaneously with the airbags. The pretensioners automatically tighten the seat belt straps to reduce slackness in the leg and sections of the seat belts, so as to reduce the forward lean of the driver and passengers.





If the pretensioners and airbags are not activated at the time of a crash, it doesn't mean that they are broken. This normally means that the intensity or type of collision is not enough to activate them.

### Warning

After an accident, airbags and other related components must be sent for inspection and replaced if necessary. Once a seat belt pretensioner has been activated, it must be replaced.

## Checking the Seat Belts

To confirm that each seat belt is functioning properly, the following four inspection items shall be conducted:

1. Check the seat belt, buckle and other devices for damage, modification, bleach, stain or dirt.

2. Fasten the seat belt and pull it out quickly at the closest point to the buckle. The buckle shall remain securely locked.
3. Unbuckle the seat belt and retract it to the greatest extent. Check the seat belt for excessive looseness and wear.
4. Pull out the seat belt halfway. Hold the latch and pull the belt forward quickly. The internal locking mechanism of the seat belt will lock automatically.

If any seat belt fails any of the above test, please contact XPENG Service Center or Customer Service Center immediately.



### Adjusting the Shoulder Belt Height



1. Adjust the shoulder belt to the proper height by pinching the guide and moving it upward.
2. Release the shoulder belt guide.
3. Pull the seat belt quickly to check whether the guide has been locked.

#### Warning

Do not adjust the seat belt height during driving.

### Fastening the Seat Belt



4





1. Slowly pull out the seat belt, and place it around the entire pelvis, chest, and collarbone, keeping it between the neck and shoulder.
2. Insert the latch into the buckle until it **clicks**, to ensure that it is locked into place.
3. Pull the seat belt hard to check if it is fastened.
4. Tighten the seat belt towards the reel.

### Unfastening the Seat Belt



1. Hold the seat belt latch.
2. Press the red button on the belt buckle.
3. Continue to hold the seat belt latch to ensure that the seat belt is slowly retracted.



### Use of Seat Belt by the Pregnant

Wearing a seatbelt properly can effectively reduce injuries to a pregnant woman and her fetus in the event of a collision or sudden stop.



Pregnant woman shall wear the crotch/shoulder belt properly. The shoulder belt should pass over the chest from a suitable position. The lap belt shall pass over the crotch as low as possible and

fit under the bulging abdomen. The safety belt must be flat and exert no pressure on the lower body of pregnant women.






Please consult your doctor.

### Use of Seat Belt by the Disabled

The disabled should also wear seat belts properly during riding.

Please consult your doctor for better advice.

### Seat Belt Indicator Lights

1.  Unfastened driver's seat belt warning indicator
2.  Unfastened front passenger's seat belt warning indicator
3.  Unfastened rear left seat belt warning indicator
4.  Unfastened rear middle seat belt warning indicator
5.  Unfastened rear right seat belt warning indicator



## Indicator

If the front passenger forgets to wear seat belt, the corresponding seat belt indicator on the instrument cluster will flash when the vehicle is static; when the vehicle reaches a certain speed while driving, the corresponding seat belt indicator on the instrument cluster will flash and the instrument cluster will pop up Warning window, accompanied by alarms.

If any rear passenger forgets to wear seat belt, the corresponding seat belt indicator on the instrument cluster will flash.

If all passengers have fastened their seat belts but the indicator is still flashing, re-buckle the seat belts to ensure that they are properly locked.

## Seat Belt Precautions

### Warning

- Everyone in vehicle shall wear the seat belt properly during driving, or there is a high risk of injury or death in the event of an accident.
- Do not press the seat belt against fragile or sharp objects (e.g. pens, keys, and glasses); the seat belt's pressure on these objects may cause injury.
- When wearing the seat belt, it must fit the body and not be distorted. The shoulder belt must pass over the middle of the passenger's shoulder and must be attached to the upper body of the passenger and fasten the body tightly. The lap belt shall be around the hip as low as possible. If necessary, pull it down slightly, and adjust its looseness by pulling in the retraction direction.



### Warning

- One seat belt is for one person only. It is prohibited to use one seat belt together with child by holding him/her on lap.
- In case of any sign of wear, cracking or other damages to the seat belt, please contact XPENG Service Center for replacement.
- Avoid exposing the seat belts to any chemicals, liquids, etc. If any seat belt fails to retract or be removed from the buckle, please contact XPENG Service Center for troubleshooting as soon as possible.
- Do not add any non-official accessory to the seat belt, including but not limited to the following products: additional latches, strap restrictors, buckle extension connectors, etc., as they may reduce or even disable the seat belt's normal protection.

### Warning

- Any seat belt shall be fully retracted without dangling if unused. If any seat belt cannot be retracted completely, please contact XPENG Service Center immediately for troubleshooting.
- Do not remove, install, modify or disassemble the seat belts, seat belt retractors, or seat belt anchors by yourself.

## Seat Belts with Collision Warning

### Motorized seat belt description

Seat belts have the following functions:

1. **Gap elimination:** When the vehicle is ready and the driver has fastened the seat belt, or when the driver returns to normal sitting position after leaning forward too much, the seat belt will automatically retract, eliminating the gap between the driver and seat belt strap for better restraint protection.



2. **Auto retraction:** When the driver unlocks the seat belt buckle, the seat belt will retract smoothly until it is fully retrieved.
3. **Secondary Collision pre-warning:** When the seat belt receives an FCM warning signal during driving, the seat belt will vibrate to alert the driver.
4. **Third Collision pre-tensioning:** When the seat belt receives an FCW collision pre-tensioning signal during driving, the seat belt will retract automatically, restraining the driver in the backrest and reducing the risk of injury or death.

### Note

In order to ensure that the electric seat belt works reliably, there is a limit to the number of times each function of the electric seat belt can be used. When the number of triggering times reaches the upper limit of its life, the corresponding function will no longer be triggered, other functions will not be affected. Please contact XPENG Service Center for replacement in time.

### Warning

- Do not modify or repair the seat belt by yourself, please have it inspected or repaired in XPENG Service Center.
- In a collision or similar situation, the seat belts shall be promptly replaced after being subjected to a strong impact. Replacement is also a must if a seat belt has any sign of wear or damage.



### Warning

- Although seat belts can alert you of a hazard, or avoid or mitigate injury to you in the event of danger, you still need to drive carefully to avoid the hazard.

## Airbags

### Introduction

The vehicle provides front airbags, side airbags, and far side airbags for the driver and front passenger, as well as head airbags for the front and rear occupants. If the front seats, seat belts, headrests and steering wheel are properly adjusted, the front airbags provide additional chest and head protection for the front occupants. It should be noted that the airbag system cannot substitute the seat belts. It only provides supplementary protection! Therefore, even if the front airbags are provided, the front occupants must wear seat belts.

### Warning

- Deploying the airbags only provides additional protection in the event of an accident, never rely solely on the protection provided by the airbags!
- The airbag system is able to provide full protection only when the occupant wears the seat belt properly, reducing the risk of injury or death in an accident.
- Do not place a rear-facing child safety seat on the seat with protection from a front airbag. Serious injury or death can occur.
- All occupants must be seated properly, fasten their seat belts before starting the vehicle, and wear seat belts at all times, even during driving in urban areas.
- Occupants must keep 25 cm away from airbags and shall not place their hands, feet, etc. on the airbag identification locations, or they may be injured when the airbags are deployed.

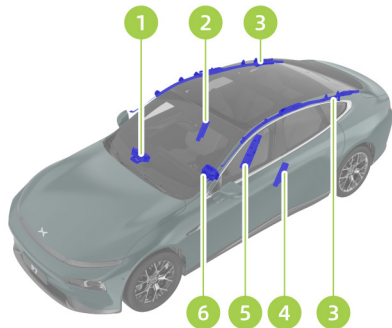


### Warning

- Do not install any radio device by yourself, or airbags may work improperly. If necessary, contact XPENG Service Center.

### Airbag Positions

The airbags are located in the areas shown in the figure below. The air bag warning tag is stucked on the sun visor.




1. Passenger airbag
2. Front side airbag
3. Left/Right side curtain airbag
4. Front side airbag
5. Far side airbag
6. Driver airbag



### Note

Airbags are not substitutes for seat belts. Seat belts can reduce the risk of serious injury or death in the event of an accident, whether the airbag is triggered or not. So the seatbelt must be worn correctly. Airbags can only provide protection when triggered, and they may not be triggered in all types of accidents.

### Airbag fault indicator

The  indicator light on the instrument cluster will come on for a few seconds when the vehicle is powered on and go off after system self-inspection. If the indicator does not go off after the system self-inspection or goes off and then comes on again or stays on, it indicates the airbag system is faulty. Please contact XPENG Service Center for troubleshooting as soon as possible.

### How Do Airbags Work

The airbag deployment does not depend on the driving speed, but on the collision strength detected by the collision sensors. The airbag may not deploy when the impact force of the collision is absorbed or dispersed into the body; However, sometimes the airbag may deploy depending on the different collision conditions. Therefore, the airbag deployment should not be judged based on the vehicle's damage degree.

The airbag may deploy in the following situations:

- When crossing a deep pit, the vehicle front hits the ground.
- The vehicle hits a prominence, kerb, etc.
- The vehicle front hits the ground when driving down a steep hill.





**The airbag may not deploy in the following situations:**

- The vehicle hits a concrete post, tree, or other long, thin object.
- The vehicle rear-ends into the underside of a truck.
- The vehicle is rear-ended by other vehicles.
- The vehicle overturns or rolls sideways.
- The vehicle collides with walls or vehicles in a non-front way.

**The airbags deploy instantly and forcefully with a loud bang. The deployed airbags and seat belts can restrain the occupants' movement to reduce the risk of injury.**

## **Impact of the Airbag Deployment**

**When deployed, airbags will release gas and powder that may irritate your skin and eyes. At this time, get off the vehicle timely on the premise of safety. If you are unable to do so, open the window or door to keep the cabin ventilated.**

**If the powder comes in contact with your eyes or**

**skin, rinse with water immediately. Seek medical advice in case of severe discomfort.**

**After deployment, the airbags will retract to provide the occupants with a progressive shock-absorbing effect, avoiding the driver's forward vision from being obstructed.**



### Warning

- Airbags can only be triggered once. The triggered airbags and any affected system components should be replaced as soon as possible by XPENG Service Center.
- Airbags and related systems may be faulty even if they are not triggered in an accident. In this case, please contact XPENG Service Center for troubleshooting.
- XPENG Service Center has the necessary tools, diagnostic tool, repair materials and qualified technical professionals. The maintenance and modification of the vehicle shall be carried out by the XPENG Service Center.

### Warning

- Do not use any airbag components removed from end-of-life vehicles or any recycled airbag components. The deploying space of the front airbags shall be free of any objects that would prevent the airbags from deploying in the event of a front collision.
- Do not install a cup holder or phone bracket on the airbag cover or in any position within the airbag deploying space.
- Front passenger must not carry child, pet or objects that occupy the airbag deployment space. Both adults and children must follow this regulation.
- Do not attach any objects (e.g., portable navigation devices) to the front windshield glass above the passenger airbags.



## Warning

- Do not cover or attach anything to the steering wheel or the identification surface of the front passenger side airbag components, or make any modifications to these areas.
- Do not stack items on the front passenger seat, as they may be bounced by airbags in the event of emergency braking, injuring occupants.

## Warning

- Do not use seat covers, which would limit the deployment of the side airbags in the event of an accident and reduce the accuracy of the system detection.
- Do not modify the airbag cover or add any parts near it. Passengers must not lean their heads against the doors. Otherwise, they be injured by the air curtain (when deployed).

## Warning

- Passengers must not place their feet, knees, or any other part of their body over or near the airbags. Doing so may prevent the airbags from deploying correctly or may cause fractures or other injuries to occupants if the airbags deploy.
- Do not place any object above or near the front airbags, the sides of the front seats, above the canopy on the vehicle side, on the airbag covers, and in any other positions that may interfere with the airbag deployment. As these items can cause serious injury if the vehicle is involved in a violent collision that causes the airbags to deploy.



### Warning

- Do not attempt to modify airbag components, wiring, and software. Otherwise, the airbag system may not work properly and cannot provide the necessary protection for the driver and passengers, as well as may fail or accidentally be activated in the event of an accident, increasing the risk of injury.

### Ride with Children

#### Instructions for Ride with Children

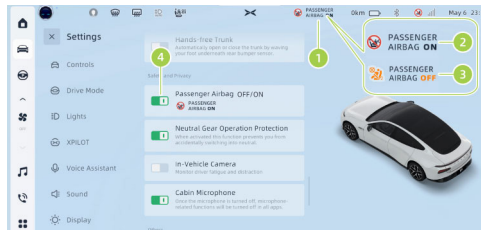
To ensure the safe ride with children, install an appropriate child safety seat based on the child's age, weight and height in strict accordance with the instructions provided by the child safety seat manufacturer.

#### Sun Visor Label

See the following label mounted on the sun visor.



## Front passenger airbag disabling



2. Tap "🚗 → Settings" on the CID to enter the interface, then slide down and tap the front passenger airbag switch.

1. Front passenger airbag status indicator
2. Front passenger airbag on
3. Front passenger airbag off
4. Front passenger airbag switch

The front passenger airbag is on by default and can be turned off/on in the following two ways:

1. Tap the front passenger airbag status indicator on the status bar, then go to the switch setting interface.



### Warning

- Do not place a rear-facing child seat on the seat with an active frontal airbag. Death or serious injury to the child in the seat can occur.
- Be sure to select an appropriate child safety seat for the child based on his/her age, height and weight.
- One child seat is for only one child. Never constrain multiple children into one child seat with the seat belt.
- Under no circumstances should a child or infant be carried in the occupant's arms during driving.
- Never leave a child unattended in the child seat.

### Warning

- Never leave children unprotected in a vehicle. Always keep children in the correct seating position during driving. Never stand in the vehicle or kneel on the seat. If an accident occurs under these circumstances, it could be fatal to children and others.
- Any child seat that has been applied forces in an accident must be replaced.



### Recommended types of child seats

Both ECE-R44 and ECE-R129 standards apply to child seats in the country where the user is located.

ECE-R129 classification is based on a child height

Child stature	Manufacturer	Type	Accessory
40cm-105cm	Dorel Europe	Maxi-Cosi Pearl 360 & FamilyFix 360 base	ISOFIX + Support Leg
61cm-105cm	HTS BeSafe	iZi Kid X3 i-Size	ISOFIX + Support Leg
100cm-150cm	Britax Romer	Kidfix i-Size*	ISOFIX + Belt

\*. For the best protection, it is recommended to use this child restraint system with the included backrest and be sure to attach the seat belt through Secure Guard and XP-pad.

ECE-R44 classification is based on a child weight.

Child weight	Manufacturer	Type	Accessory
22 kg- 36 kg	Graco	Booster Basic	Belt

Only a child seat that is compliant might be used in the vehicle.



seating position	Seating position						
	front left	front centre	front right		2nd row left	2nd row centre	2nd row right
			with front passenger airbag activated	with front passenger airbag deactivated			
Seating position suitable for universal belted(yes/no)	No	No	Yes Forward facing only	Yes	Yes	Yes	Yes
I-Size seating position(yes/no)	No	No	No	No	Yes	No	Yes
Seating position suitable for lateral fixture(L1/L2)	No	No	No	No	No	No	No
Largest suitable rearward facing fixture(R1/R2x/R2/R3)	No	No	No	No	R1/R2x/ R2/R3	No	R1/ R2x/ R2/R3
Largest suitable forward facing fixture(F1/F2x/F2/F3)	No	No	No	No	F1/F2x/ F2/F3	No	F1/F2x/ F2/F3
Largest suitable booster fixture (B2/B3)	No	No	(B2/B3)*	(B2/B3)*	B2/B3	(B2/ B3)*	B2/B3

- \*Only applicable for installation with seat belt.
- During the installation of the CRS, the backrest angle of the front passenger seat should be adjusted reasonably to ensure that the CRS remains stable.
- During the installation of the CRS, the height of the headrest should be adjusted reasonably or the headrest should be removed to avoid interference with the CRS. Do not remove the head restraint when using a booster cushion with no backrest.
- When installing a CRS on the front passenger seat, adjust the front passenger seat as high as possible to securely install the CRS.



### For Tall Children

If a child is too tall to use a child safety seat, but too short to safely use a standard seat belt, purchase and properly use a child's booster cushion that meets the relevant regulations or standards. Use a child's booster cushion to increase the child sitting height, so that the shoulder belt stays right in the middle of the child's shoulder and the lap belt is lowered to the crotch.

### Child Safety Seat Installation

There are two general methods of installing child safety seats:

1. **Seatbelt fixed child safety seats:** This kind of seats should be secured with the vehicle's seat belts.
2. **ISOFIX fixed child safety seats:** This kind of seats can be secured to the anchor bars built into the rear seats of the vehicle.

### Installing a Seatbelt Fixed Child Safety Seat



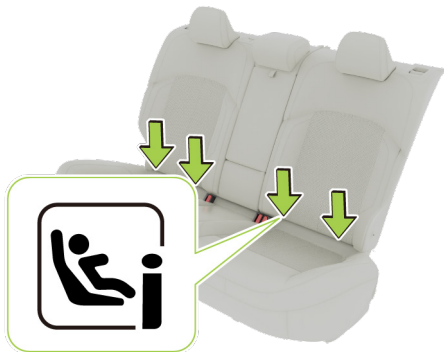
1. Place the child safety seat on the seat, and pull out the seat belt completely. Fasten and buckle the seat belt according to the child safety seat manufacturer's instructions.
2. Retract the seat belt, push the child safety



seat firmly into the seat while tightening the seat belt.

3. If the child safety seat has an upper tether, attach the tether to the seat backrest.

### ISOFIX Anchor Points



The ISOFIX anchorages are located between the backrests and cushions of the rear left and right seats. The exact location of each anchorage is marked as above (as shown in the figure).

- The anchorages are located directly below the i-Size pictogram.
- The ISOFIX upper anchor points are located behind the headrests of rear seats on both sides and can be seen by opening the trim lids. When installing CRS, the anchor point of the corresponding side should be used. If the CRS is installed on the left seat, the upper anchor point must be the left one. It is forbidden to use the right one.





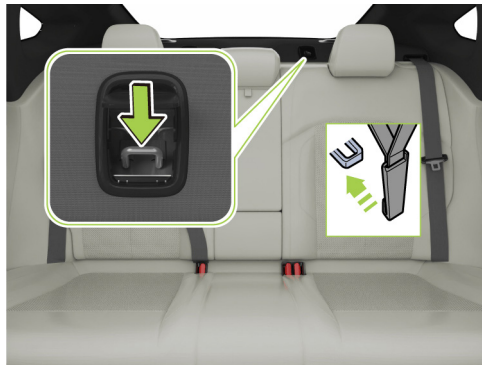
### Installing an ISOFIX Child Safety Seat



1. Place the child safety seat in the rear left/right seat.



2. Insert the lower anchor bracket of the child safety seat into the ISOFIX anchorages according to the child seat manufacturer's instructions.



3. Pass the top tether of the child safety seat through the headrest. Open the trim lid of the adjacent upper anchorage, attach the hook and loop to the anchorage, and tighten the tether.

### Notes on installing a child restraint system

#### Warning

When installing a CRS on the front passenger seat, the below instructions can be followed if needed:

- Adjust the front passenger seat to its fully rear position.
- Adjust the front passenger seat as high as possible to securely install the child safety seat.
- The height of the vehicle seat belt can be adjusted if necessary to ensure that the vehicle seat belt passes through the belt guide correctly on the child seat without bending.
- The front passenger airbag must be activated immediately after removing the child seat from the seat.



### Warning

When installing a child seat in the rear seat, the following instructions need to be followed:

- Please adjust the position of the front passenger seat reasonably to avoid collision between the child seat/child and the front seat.
- During the installation of the child seat, the height of the headrest should be adjusted reasonably or the headrest should be removed to avoid interference with the child safety seat.

## Checking the Child Safety Seat

After installing the child safety seat, check the seat for looseness:

1. Secure the child safety seat along with the seat belt and try to move/shake the seat from side to side, and from front to back.
2. If the seat can move more than 2.5 cm, indicating that it is too loose, fasten the seat belt or reinstall it to the ISOFIX anchorage.
3. If you cannot fasten the seat, try another seat position or replace the seat.

### Warning

- Never place a rear-facing child safety seat in a seat with an activated airbag, or it will pose a serious risk of injury or death.



## Warning

- The youngest children (under two years as minimum) do not have a fully developed spine and neck. This is why it is strongly recommended to install them in rearward facing child seat. The latest regulation of child seat impose the rearward facing child seat to accommodate child of 15 months minimum. A variety of child seat can accommodate even older, taller children (see recommended child seat in page 144).
- Infants and toddlers should never be allowed to sit on parents' laps. All children should be restrained in appropriate child safety seats at all times.
- To ensure a safe ride for your child, be sure to follow all instructions detailed in this manual as well as those provided by the child safety seat manufacturer.
- Do not use extensions for belts of seats installed with child safety seats or booster.

## Warning

- For a tall child, ensure that the child's head is supported and that the child seat belt is properly adjusted and secured. The shoulder part of the seat belt must be fastened away from the face and neck, and the lap section must also be fastened away from the abdomen.
- Never attach two child safety seats to one anchorage, as one anchorage may not be firm enough to secure both seats in the event of a collision.
- The anchor points for the child protection device can only bear the load from a properly installed child protection device. Under no circumstances, shall the child protection device be used for adult seat belts, wiring harnesses or the installation of other items or equipment.
- Always check safety harnesses and tethers for damage and wear.



### Warning

- Do not leave children alone in the car even if they have been put in child safety seats.
- Never use a child safety seat that has been modified, damaged, and in a car accident. Have the seat checked or replaced in accordance with the child seat manufacturer's instructions.

## Alcolock

### Alcolock port

The vehicle is equipped with an communication Alcolock, which can be installed with a LIN communication Alcolock (the port must meet the 50436-4 2022 version specification).



## Electronic Parking Brake (EPB)

### Enable or Disable EPB



Activated

Click on the CID " → **Vehicle Settings**" to enable or disable the EPB.

- On: When the vehicle is stationary, turn on the "EPB" function or press the gear P button at the end of the shift lever, the  indicator on the instrument cluster will come on, indicating that the EPB is successfully on.
- Disabled: When the vehicle is stationary, apply the brake pedal and disable the "EPB" function or put it into the driving gear (D or R), and the indicator on the instrument cluster  will go out, indicating that the parking brake is successfully disabled. The parking brake cannot be disabled when the vehicle is in gear P.





## Note

- When the EPB is enabled or disabled, it is normal for the system to make an operation noise.
- When the parking brake is enabled, if the vehicle cannot be powered on and the parking brake cannot be disabled due to a undervoltage 12 V battery, it can be disabled by a jumper hitch or by contacting the XPENG Service Center.
- Under special circumstances, long press the P button to activate the EPB emergency braking function. During emergency braking, the EPB indicator will flash.

## Caution

- If the parking brake cannot be enabled or disabled manually, contact the XPENG Service Center for troubleshooting as soon as possible.
- Do not drive the vehicle without disabling the parking brake, otherwise it can easily damage the electronic parking brake system.

## Automatic Parking (AUTO HOLD)

### Apply AUTO HOLD

When you need to stop briefly, press the brake pedal hard after the vehicle stops, and the IC indicator light (A) is on, which means the automatic parking function has been activated. At this time, you can release the brake pedal, the system will automatically enable the brake to keep the vehicle stationary. When you apply the accelerator pedal and start driving, the system



will be automatically disabled.



### AutoHold

Fasten your seat belt, close all doors, and depress the brake pedal deeply to turn on this function.

- Click on the CID "🚗 → Vehicle Settings" to enable or disable the automatic parking function.
- AUTO HOLD can only be activated if the driver's door is closed, the seat belt is fastened, and the gear is in D or R.
- After keeping the automatic parking state for a period of time, the automatic parking function will switch to the electronic parking brake EPB.



### Note

When the automatic parking function is activated, opening the driver's door or unfastening the seat belt will automatically switch to the electronic parking brake EPB.



### Warning

AUTO HOLD cannot exceed the laws of kinematics, please turn on AUTO HOLD according to the road conditions.

## Electronic Stability Program (ESP)

### Electronic Stability Program (ESP) Description

For the electronic stability program, the sensors identify the vehicle's driving condition (e.g. in the event of understeer, oversteer or driving wheel slipping), allow targeted braking intervention or driving torque limitation and effectively reduce the risk of sideslip or drift to ensure the vehicle's driving stability.

### Turning On/Off with CID



### Electronic Stability Program

Automatically activated when starting to drive at high speed.



Through "🚗→**Vehicle Settings**" on the CID to turn on/off ESP on the interface.

## Warning

- ESP can not prevent the accidents caused by dangerous driving or high-speed emergency steering.
- If the ESP fails, contact XPENG Service Center for troubleshooting as soon as possible.

## Note

- When the vehicle is powered on, the ESP function is turned on by default.
- When ESP is turned off, if the vehicle speed exceeds 80 km/h, the ESP function will be turned on automatically.

## Note

- The ESP will limit the power output when the vehicle is slipping (starting or accelerating rapidly on the snow and ice-covered road or muddy road, etc.), so the ESP should be temporarily turned off when the vehicle gets stuck in the mud. After the vehicle gets out of the mud, turn it on again.

## Anti-Lock Braking System (ABS)

### Anti-lock Brake System Description

**ABS prevents wheels from locking when you apply the maximum braking force. It improves the steering control performance of the vehicle in case of emergency braking under most road conditions.**

**In case of emergency braking, ABS continuously monitors the speed of each wheel and adjusts the brake pressure according to the lock condition.**



You may sense a brake pedal vibration when ABS intervenes. Do not panic and continue driving according to road conditions.

When the ABS fails, the basic braking function is still normal and is not affected by the failure of ABS, but the braking distance will increase.

### Warning

The driver should always maintain a safe distance from the vehicle ahead and be aware of hazards while driving. Although ABS can improve braking distances, it cannot go beyond the laws of physics and cannot prevent the hazards caused by tire slipping (e.g., when there is a layer of water between the road and the tires preventing the tires from directly contacting the road).

## Emergency Braking

In an emergency, fully step on the brake pedal and maintain steady pressure. The ABS changes the brake pressure applied to each

wheel according to the available braking force, preventing wheel lock and ensuring safe stopping.

## Electronic Brake Assist (EBA)

### Hydraulic Brake Assist Description

In case of an emergency, by stepping on the brake pedal quickly and holding down it, the EBA will generate a higher brake pressure than that generated during normal braking and allow the braking system to generate the pressure required for maximum deceleration of vehicle in the shortest possible time, thereby obtaining the shortest braking distance.

### Warning

EBA can improve driving safety, but it cannot go beyond the laws of kinematics. Please adjust the vehicle speed according to the road conditions and traffic regulations speed.



## Secondary Collision Mitigation (SCM)

### Secondary Collision Mitigation (SCM) Description

Secondary Collision Mitigation (SCM): After the first collision, this function will automatically apply brake to slow down or stop the vehicle, thus minimizing the risk of a secondary collision and mitigating the damages.

## Hill-Start Hold Control (HHC)

### Hill-Start Hold Control Function Description

If the vehicle starts at a standstill on a ramp greater than 4%, when the driver releases the brake pedal, depress the accelerator pedal, and the power output is not sufficient for the vehicle to move off (the vehicle tends to slide), HHC will maintain the braking force and keep the vehicle at a standstill to prevent it from sliding.

#### Note

- The HHC function is only available when the vehicle is in the D or R gear, on the ramp, and the brake pedal is going to be released, it'll automatically generate braking force to keep the car stationary.
- The HHC function lasts for about 1 s. The held braking may be released in advance depending on factors such as the driver operation and the ramp.

#### Caution

HHC can provide brake assistance, but it cannot go beyond the laws of kinematics. For safety reasons, the driver shall timely press the brake pedal based on the actual situation to avoid accidents caused by the sliding downhill too fast.



### Electronic Brakeforce Distribution (EBD)

#### Electronic Brakeforce Distribution Description

EBD is a part of ABS. It balances the distribution of brake force between the front and rear wheels during regular braking, depending on the load on the vehicle.

The EBD will distribute the force generated by the braking system to the four wheels appropriately according to the adhesion condition between each wheel and the ground, so that the braking force can get the optimum efficiency, significantly shortening the braking distance and maintaining the vehicle stability while braking, so as to improve the driving safety.

### Traction Control System (TCS)

#### Traction Control System Description

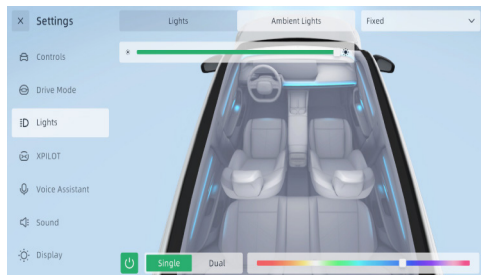
The driving wheel will slip when the vehicle starts or accelerates rapidly on slippery road surfaces such as snow and ice. The TCS controls the brake pressure and the vehicle torque output to minimize wheel spinning.

## Atmospheric Pleasure

### Ambient Light

The P7 offers wrap-around ambient lighting inside that changes color to match the sound, adding warmth to your journey at night.

### Turning On/Off Ambient Lights Mode



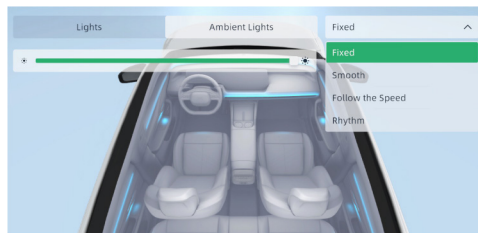
- Tap on the CID in turn "🚗 → **Lights** → **Ambient Lights**", the ambient light can be turned on or off.

### Brightness Adjustment and Color Selection

When the ambient light is on, you can adjust the brightness of the ambient light manually.

When the ambient lights are on, there are a variety of single and two-color options to choose from.

### Ambient Lights Mode



The ambient light has four mode settings: Fixed, Smooth, Follow the Speed, Rhythm.



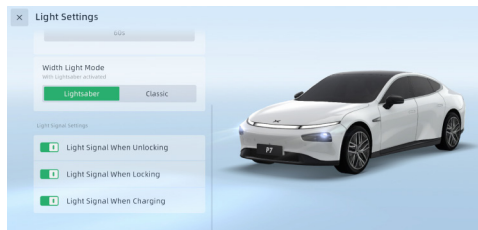
### Light Signal System

#### System Description

The Light Signal System is an intelligent lighting system for you to interact with your vehicle from outside and currently includes the following scenario features:

- Vehicle search via APP: Tap on the XPENG APP "**flashing light**", which triggers "**Vehicle search via APP**" light signal.
- Play light signal when unlocking: The key unlocks the vehicle, triggering the "**Unlock**" light signal, and there will be a special effect when the vehicle is fully charged.
- Play light signal when locking: The "**locking**" light signal will be triggered and the light will be eventually extinguished by locking the vehicle.
- AC Slow Charging: The "**Slow Charging**" light signal will be triggered when the vehicle is on AC slow charging status.

- DC Fast Charging: The "**Fast Charging**" light will be triggered when the vehicle is being fast charged with DC power.



- Tap on the CID in turn" 🚗 → **Lights** → **Ambient Lights**", enter the switch control interface:
- If the vehicle is in P and the headlights are switched off, tap on the light signal effect button, the exterior lights will showcase the corresponding effect, and the CID will display the corresponding animation.





- If you tap on the light signal effect button while driving, the exterior light signals will not execute the command and will not affect driving safety, but will only show the corresponding animation effects on the CID.

## OTA Upgrade

## Basic Introduction



The vehicle supports updates via the CID to provide your vehicle with the latest functions, and XPENG suggests you install the new software version available as soon as possible.

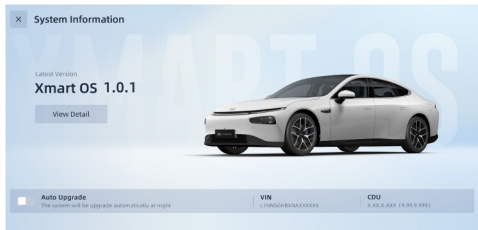
- When the vehicle is connected to the network, it will automatically receive the upgrade package, please make sure the vehicle is connected to the Internet.
- Any data consumption by the system upgrade will be borne by XPENG Motors, and the data in users' data plan will not be consumed so that users will not pay the data cost arising from system upgrade.

- If you have any other questions, please contact XPENG Service Center or Customer Service Center.

## System Information Introduction

## Entry System Information Interface

- Tap the  XPENG brand logo on the status bar to enter the system information interface.
- Tap on the CID "→**About→Xmart OS**" to enter the system information interface.







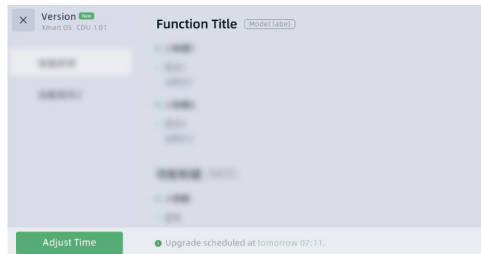
This interface is the OTA online upgrade entry, and displays the basic information of the vehicle system: Xmart OS version, vehicle identification number (VIN), etc.

### No New Version

It will indicate that it is the latest version when no new version is available. Tap **"LEARN MORE"** to view the current software version of your vehicle.

### New Version Available

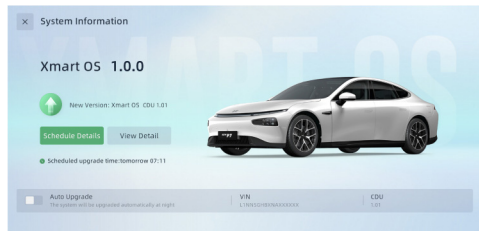
A new message will be sent to remind you that there is a new version to upgrade, and the logo icon in the status bar  becomes .



Tap **"VIEW DETAILS"** to view the update notes when a new version is available on the "System Information" interface.

### Upgrading Methods

When a new version is available, the system can be upgraded in the following two ways:



### Appointment Upgrade

On the system information interface, tap **"Upgrade to new version"**, the pop-up window of selecting upgrade time appears, and you can set the time when you do not need to use the vehicle, tap **"Confirm the update schedule"**, and the system will be updated when it reaches the



set time and the vehicle is locked.

After setting the appointment time, the system information interface will display the appointment upgrade time, **"Upgrade to new version"** button will change to **"Appointment details"**. Before the upgrade starts, you can tap **"Appointment details→Change upgrade time"** to reschedule the system upgrade time.

## Automatic Nightly Updates

On the system information interface, tap **"Nightly automatic upgrade → confirm to open"** to enable the automatic nightly update function, and when subsequently vehicles detect that there is a new version that can be upgraded, they will automatically upgrade at 3:00 at night without manual confirmation.

It is recommended to open the **"Automatic Nightly Updates"** option to keep the vehicle software at the latest version at all times.

## Precautions for Update

- Please make sure the vehicle is locked and parked in a safe area and reserve sufficient time for the update to complete as the vehicle cannot be used during the update process.
- The vehicle cannot be charged during the update process. Please arrange the update time reasonably.
- Failure to upgrade may cause some abnormal functions of vehicles.
- If the update fails, do not use the vehicle. Tap **"Retry"** for update. Please contact XPENG Service Center or Customer Service Center after multiple failed attempts.
- Once a vehicle is upgraded, it cannot be back to any previous version.



## Environment Simulation Display System

### Function Introduction



Environment simulation display system is part of the assisted driving system, simulates and displays the vehicle's external environment on the instrument cluster, including lane lines, and other traffic participants, through the dashboard.

#### Warning

- The environment simulation display system is an assisting function that does not work under all driving situations, traffic, weather, and road conditions and is not a substitute for focused driving and accurate judgment, nor is it a substitute for the driver's observation of the road environment and other traffic participants. Always observe road conditions when driving. Do not rely solely on the environment simulation display as this may cause serious personal injury or death.
- The detecting range of the cameras and sensors associated with the environment simulation display system is limited and road and weather conditions may adversely affect the detection, so always drive with caution.



## Restrictions

The environment simulation display system does not always detect all objects, vehicles, cyclists, or pedestrians, nor does it accurately display the full condition of the surroundings, and there is a possibility of display errors, such as:

- The vehicle is driven on a road with large curves or in poor road conditions.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- Strong light (such as oncoming headlight or direct sunlight) obstructs the camera's view.
- Windshield blocks the view of the camera (water spray, dust, sticker blocking, etc.).
- Cameras are restricted [Refer to Page 11](#).
- A certain type of object is wrongly displayed as another type of object simulation.
- Display an object with a wrong simulation of direction and distance.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of the environment simulation display system.

## Adaptive Cruise Control (ACC)

### Function Introduction

The adaptive cruise control function can control the vehicle to follow the vehicle according to the set distance. If there is no target vehicle in front, the function will control the vehicle to drive according to the set cruising speed.

#### Note

- The cruise speed setting range is 30~130 km/h.



### Note

- When following a car, ACC remains active at low speeds. When the preceding vehicle stops, ACC can help to follow the stop and start again along with the preceding vehicle.
- When ACC actively decelerates to keep the distance from the preceding vehicle, the brake light will be turned on to remind other road users that you are decelerating.
- When ACC is controlling the vehicle to accelerate, the accelerator pedal will not move.

### Drivers Need to Respond to Requests to Take Over the Vehicle in a Timely Manner

When ACC request that the driver should take over the vehicle, a takeover prompt to the driver via the instrument cluster, along with a takeover warning tone.

When the instrument cluster displays the request words such as "**Dangerous! Please apply the brake and take over**", the driver should take over the vehicle immediately to avoid danger.

### Instrument Cluster Indicator Lights

The function status of ACC can be known through the instrument cluster indicator light:



ACC can be activated when the ACC activation conditions are met.



ACC is activated, and the value displayed by the indicator is the currently set cruising speed.



ACC fails.



### Caution

If the ACC fails, contact XPENG Service Center for troubleshooting as soon as possible.


## Operation Description

### ACC Activation



When ACC activation conditions are met, the instrument cluster  indicator is gray.



At this time, push the shift lever down to the end, the function is activated, and the instrument cluster  is blue.

ACC can be activated when the following conditions are met:

1. Vehicle is engaged at D gear.
2. The speed is not lower than 15 km/h and not high than 130 km/h (without preceding



vehicle).

3. The brake pedal is not pressed.
4. The instrument has no abnormal alarm.
5. The vehicle is not in automatic parking status.
6. Four doors, the front hood and the tailgate are closed.

### Adjust Cruise Speed



The cruising speed can be set by the scroll wheel on the left side of the steering wheel, scroll up to increase, and scroll down to decrease.

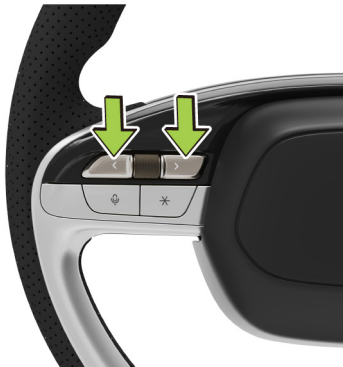


#### Note

- When rolling the scroll wheel slowly, the cruising speed changes by 1 km/h, and when rolling the scroll wheel quickly, the cruising speed changes by 5 km/h.
- You can temporarily increase the vehicle speed by stepping on the accelerator pedal. After the vehicle speed increases, if you move the shift lever down, you can set the current vehicle speed as the new cruising speed, or release the accelerator pedal, and the vehicle will decelerate to the previously set cruising speed.



## Adjustment of Vehicle-Following Distance



The following distance level can be set through the left/right button on the left side of the steering wheel, and there are 5 levels to choose from.



When the following distance is set, the instrument cluster will display it.

### Note

The following distance has a memory function. After restarting the ACC, the following distance will be the previously set one.

## Exit & Recover Adaptive Cruise Control

During cruising, exit cruising and take over the vehicle by stepping on the brake pedal.

After the cruise is exited, when the ACC activation conditions are met, move the shift lever down to reactivate the cruise.



### Close Adaptive Cruise Control



ACC can be closed by moving the shift lever up.

### Restrictions



#### Caution

- ACC can only control the speed of the vehicle, not the direction of the vehicle.
- If the driver has detected a hazard, do not wait for a takeover request to be issued before taking over the vehicle; take over the vehicle immediately.
- When ACC is canceled, the energy regeneration will slow the vehicle down in the same way as taking your feet off the accelerator pedal for deceleration when there is no ACC.



## Caution

- Always pay attention to traffic conditions and road environment, and decide whether to use ACC independently under the condition of ensuring safety. When using ACC, if you find that traffic conditions, road environment or vehicle conditions are not suitable for using this function, or there are other unsafe factors, you should be ready to take over the vehicle at any time. You are always ultimately responsible for maintaining an appropriate distance and speed and complying with current traffic laws and regulations.

## Warning

- The ACC is a driving assistance function that cannot handle all traffic, weather, and road conditions.
- Please carefully read all information about ACC in this Manual to understand its restrictions and limitations before using the function.
- ACC is a function designed for comfort and convenience and it is not a collision warning or avoidance function. It is the driver's responsibility to remain alert, drive safely, and take control of the vehicle at all times. Do not rely on ACC to slow down the vehicle. Always observe the road ahead and be prepared to take corrective actions at all times.
- When there are humans in front of the vehicle, always observe the road ahead and be prepared to take corrective actions at any time. Otherwise, serious injury or death could occur.



### Warning

- Do not use Adaptive Cruise Control (ACC) on roads with sharp bends (such as s bends and continuous u bends), icy or slippery roads or under weather conditions when driving in even speed is unsuitable (such as heavy rain, snow, fog, etc.). ACC cannot adjust the driving speed based on the road and driving conditions.
- If there's a vehicle suddenly moving quickly or moving to ahead of your vehicle in a close distance, or the vehicle ahead slows down sharply, or the vehicle driving in with a U-turn or crossing, ACC may not be able to brake or slow down in time.

### Warning

- The ACC may occasionally brake the vehicle when not necessary or when you did not intend to brake. This may be caused by following the preceding vehicle too closely or detecting there's a vehicle or object in an adjacent lane (especially on a curve).
- It is the driver's responsibility to determine and maintain a safe following distance at all times. Especially when driving in tunnels or at night, there are trucks and buses in the side lanes, and drivers need to keep a high degree of attention when following vehicles transporting overlong cargo.



## Warning

- ACC is a comfort function, not an anti-collision function, so its maximum deceleration is limited, which is less than the maximum deceleration that can be requested by automatic emergency braking and driving. Never rely solely on the ACC to sufficiently reduce the vehicle speed to avoid a collision. Always observe the road ahead and be prepared to take corrective action at any time.
- Do not use ACC on city roads or in changing road conditions.

## Warning

- For stationary vehicles or objects (such as obstacles on the road), especially when a preceding vehicle departs your lane and leaves you with a stationary vehicle or object in front, ACC cannot detect all objects and may not be able to brake/slow down. Always be aware of the road ahead and be prepared to take immediate corrective actions. Relying on the ACC to avoid collisions may result in serious personal injury or death. In addition, ACC may react to vehicles or objects that do not exist or are not present in the current lane, causing the vehicle to slow down unnecessarily or inappropriately.



### Warning

- ACC may not provide adequate speed control due to limited braking ability and being on a hill. ACC may also misjudge the distance between you and the preceding vehicle. Going downhill may result in an increase in speed, which causes the vehicle to exceed the set speed (and possibly the road speed limit). Do not rely on the ACC to sufficiently slow the vehicle down to avoid collisions. Always observe road conditions when driving and be prepared to take the correct measures as needed. Relying on the ACC to slow the vehicle down sufficiently to avoid collisions may result in serious personal injury or death.

### Warning

When driving with this system, the following behaviors are not allowed:

- Rely entirely on ACC.
  - Use ACC in environments with many pedestrians, bicycles or animals.
- Take your hands off the steering wheel.
- Take your eyes off the road.
- The following targets will not be responded to, including but not limited to:
  - People, animals.
  - Traffic light.
  - Wall, barricade.
  - Bicycles, motorcycles, tricycles.
  - Other non-vehicle objects.
  - Targets in the sensor blind zone.



## Warning

The following conditions may lead to camera recognition errors, radar recognition errors, etc., affecting the performance of ACC and causing the function to exit, including but not limited to:

- Mounting positions of cameras are changed.
- The camera is obstructed or blind.
- The ability to recognize at night is reduced, and the surrounding environment is dim, such as dawn, dusk, night, and tunnels.
- Sudden changes in brightness of the surrounding environment, such as tunnel entrances or exits.
- Large shadows cast by buildings, landscapes, or large vehicles.
- The camera is exposed to direct light.

## Warning

- The windshield in front of the camera has water, dust, micro-scratches, greasy, dirty, wiper blades, icing, snowfall, etc.
- The radar is misplaced or blocked, or covered with mud, ice, snow,
- metal plates, tapes, labels, leaves, etc.
- The radar or the surrounding area is impacted due to vehicle collision, scraping, etc.

## Warning

The following conditions may limit the ACC function and require the driver to pay extra attention, including but not limited to:

- When approaching or turning through a road, there are multiple vehicles in parallel.



### Warning

- On a hill you may lose sight of your target or misjudge the distance between you and the preceding vehicle. Going downhill may result in an increase in the speed, which causes the vehicle to exceed the cruise speed.
- When only part of the body of a vehicle in an adjacent lane cuts in front of the vehicle (especially when a large vehicle such as a bus or truck cuts in), it may not be able to recognize the response.

ACC may be exited or unavailable when:

- The brake pedal is applied.
- Driving speed exceeds 130 km/h.
- The vehicle is shifted into another gear.
- The driver's seat belt is unbuckled.
- A door is opened.
- Front compartment cover is opened.

### Warning

- The radars are obscured or blinded. Obscuration caused by mud, water stains, ice, and snow, or blindness caused by light or dimness.
- Anti-lock Braking System (ABS) is activated.
- Electronic Parking Brake (EPB) is applied.
- Traction Control System (TCS) is activated.
- Automatic Emergency Braking (AEB) is activated.
- Airbag deployed.
- Tire pressures are abnormal.
- The system is malfunctioning or in need of repair.
- Wipers are in HI gear.





## Warning

When ACC cannot be used or it's canceled, the vehicle no longer travels steadily at the set speed and no longer maintains the specified distance with the preceding vehicle.

Unexpected ACC cancellations may occur at any time for unknown reasons. Always observe the road ahead and be prepared to take immediate action. Drivers are always responsible for keeping the vehicle under control.

Do not use ACC in the following cases:

- Roads with sharp turns or continuous turns or poor road conditions such as slippery or icy roads.
- ACC cannot detect pedestrians.
- ACC cannot detect vehicles or objects on the other side of the ramp.
- The vehicle in front is equipped with an object that protrudes beyond its body.

## Warning

- Construction, accident, and other road sections.
- The ACC cannot identify the vehicle that travels in opposite direction.
- Radars are restricted. [Refer to Page 8.](#)
- Radars are obscured (by dust, cover, etc.), or the weather conditions are poor (e.g. heavy rain, snow, dense fog).

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of ALC.

## Adaptive Turning Cruise (ATC)

### Function Introduction

The adaptive curve cruise function obtains the curvature of the road ahead through the camera and the map. When the ACC is activated the vehicle will get the corner curvature and the



speed of the front vehicle (if have), it adjusts the vehicle speed to improve the comfort and stability of cornering.

## Note

The adaptive curve cruise is automatically activated after the adaptive cruise is activated, no manual operation is required.

## Restrictions

The warnings and limitations of use for ACC also apply to ATC, see Warnings and limitations for ACC.

## Speed Assist System SAS

### Function Introduction

SAS function includes traffic sign recognition (TSR), overspeed alarm and intelligent speed limit adjustment (ASL).

### Traffic Sign Recognition (TSR)



TSR recognizes the speed limit signs on the road and obtains speed limit information in conjunction with navigation, which is displayed on the instrument cluster.

Signs that can be recognized by TSR are speed limit signs, variable speed limit signs, speed limit cancellation signs, regional speed limit signs, multiple lanes speed limit signs, multiple speed limit signs, and expressway exit ramp speed limit signs.

### Overspeed Alarm

TSR recognizes the road speed limit, and when the vehicle speed exceeds the road speed limit, the speed limit icon on the instrument cluster will

# Assisted Driving

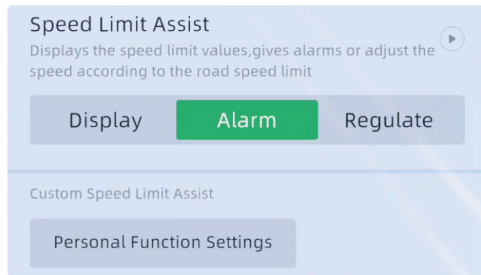


continue to flash as a reminder.

## Intelligent Speed Limit Adjustment (ASL)

When the Adaptive Cruise Control (ACC) function is enabled, if TSR recognizes the new road speed limit information, ASL will help the driver to adjust the cruise speed.

## Function Operations



Tap on the CID "🚗 → XPILOT", you can select the assistance mode of SAS.

Disabled: Only ASL is off, speed limit prompt and TSR are still on.



**Manual:** When TSR recognizes new speed limit information, it will remind you through the instrument cluster. At this time, you can set the cruising speed to the speed limit of the road by pressing the shift lever down for a long time.

**Auto:** When TSR recognizes a new speed limit message, ASL automatically sets the cruise speed to the road's speed limit.



## Custom SAS



Tap on the CID " → XPILOT → **Personal Function Settings**", you can customize SAS.

## Restrictions

SAS may not be fully functional or may provide inaccurate information when:

- Cameras are restricted. [Refer to Page 11.](#)
- Recent changes in road or speed limits, such as construction, controls, etc.
- Poor condition of traffic signs: damaged, faded, blurred, or not placed or set up as

required.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of SAS.

## Lane Centering Control (LCC)

### Function Introduction

#### Note

In order to ensure your safety and ensure that you have mastered the safety use skills of this function, please go to the CID " → **Assisted Driving**". When you turn on the function switch for the first time, you need to scan the code to learn the safety usage guide and complete the safety test. After the test is completed, you can turn on this function.

LCC is a comforting driving assist function that can assist the driver in controlling the steering wheel and keeping the vehicle in the center of

# Assisted Driving



the current lane at all times as much as possible.

## ⚠ Caution

Once LCC is enabled, the driver needs to hold the steering wheel and keep an eye on the road and preceding vehicles. Taking over the vehicle timely is required in case of malfunction caused by unclear lane lines, rain, poor visibility, or other reasons.

## Instrument Cluster Indicator Lights



LCC can be activated if the LCC activation conditions are met.



LCC is activated.



LCC will delay exit.



LCC fails.

## Function Operations

### Enable LCC



#### Lane Centering Control

Assist the driver to keep the Vehicle in the middle of the lane.



[Review Guide](#)


Tap on the CID "🚗→XPiLOT", you can enable or disable LCC.

### Activate LCC



When the conditions for LCC activation are met, the instrument cluster is grey.



Push the shift lever down to the bottom twice in succession to activate the LCC function. After successfully activating the LCC, the instrument cluster  is blue and accompanied by a sound prompt.

### Note

The LCC can assist the driver in controlling the steering wheel and the vehicle speed remains controlled by the Adaptive Cruise Control (ACC).

### Take Over LCC

When the LCC system detects that the driver is not holding the steering wheel, the system will send a takeover request on the instrument cluster, along with a takeover prompt sound.



When the instrument cluster displays the request words such as **"Please lightly turn the steering wheel"** and **"Take over immediately"**, the driver

should immediately take over the steering wheel when necessary to avoid danger.


When the LCC detects your hand on the steering wheel, it will stop giving the takeover alert. If the driver ignores this takeover alert and do not take over the steering wheel in time, LCC will exit and is not available again in this driving cycle. Only after the vehicle is Ready again, the LCC can be enabled again.

### Warning

If the driver has detected a hazard, do not wait for a takeover request to be issued before taking over the vehicle; take over the vehicle immediately.

### Disable LCC



Move the shift lever up to the R/N gear, the instrument cluster  is gray, and the LCC function is disabled.



### Restrictions

#### Warning

Please read all contents regarding the LCC and be aware of the restrictions before using the functions.

- LCC is only of assistance and is not a fully autonomous driving function. The driver still needs to hold the steering wheel at all times when LCC is activated to take over the vehicle in the event of potential risk.
- If the driver fails to drive attentively, LCC may exit.

#### Warning

- LCC is designed for driving comfort and convenience, it cannot handle unexpected and dangerous situations. It is the driver's responsibility to remain alert, drive safely, and take control of the vehicle at all times. Do not rely on the system to respond to unexpected emergencies. Always observe the road ahead and be prepared to take corrective actions at any time. Otherwise, serious injury or death could occur.





### Warning

- Please use LCC carefully on congested roads. The behavior of other vehicles (e.g., other vehicles adding to the front of the vehicle or crossing in front of the vehicle, vehicles leaving the lane in front of the vehicle, etc.) may cause LCC to be disturbed and make a wrong turn causing the vehicle collide with other vehicles, so it is the driver's responsibility to intervene and avoid collision with other vehicles in time.
- Do not use LCC on city roads or in changing road conditions.
- LCC is not suitable for all traffic, weather, and road conditions. Do not enable LCC in poor weather (e.g. rain, snow, fog), or on roads where pedestrians or cyclists may pass through.

### Warning

- Do not use the LCC on twisting roads, roads with sharp curves, bumps, icy or slippery roads. The LCC cannot provide stable assistance control over the steering wheel consistently in these poor road conditions.
- LCC will occasionally assist the vehicle in steering when assistance is not needed or when you do not intend to adjust the direction. This may be caused by unclear or irregular lane lines or by other lines or objects on the surface of the lane that resemble lane lines, in which case you should take over the vehicle in time.
- When there is a sharp change in the direction of the lane lines ahead, such as lane merging or a sudden increase or decrease in lane width, LCC may fail and you will need to take over the vehicle in advance as you approach these sections and never rely on LCC to cope with these operating conditions.



### Warning

- It is extremely important to hold the steering wheel when driving through a curve and take over the vehicle in time if the LCC fails.
- Never use the LCC at roadway junctions or diversions.
- When the LCC cannot be used or is disabled, the system cannot assist the driver to keep the vehicle in the center of the current lane.
- LCC may work abnormally when another vehicle drives into the front of the current lane in close proximity, in which case, the driver needs to take over control in time.

### Warning

- LCC may be unexpectedly exited at any time for unknown reasons. Always observe the road ahead and be prepared to take immediate action. You are always responsible for keeping the vehicle under control.
- Never use LCC when the vehicle is in bad condition, such as: abnormal four-wheel alignment, abnormal tire pressure, etc.
- LCC may not work properly at traffic intersections and may perform unintended steering control causing unanticipated hazards, such as: cuts or even collisions with other vehicles at the intersection. Do not use the LCC at traffic intersections.



## Warning

- Guardrail, barrier or kerb on one side of the road may interfere with the sensor causing the LCC to work abnormally, and the driver should take over the vehicle at this time.
- Road sections where lane lines are blurred, disappearing or covered, and when vehicles ahead turn or when a vehicle crosses in front of the vehicle, it may cause the LCC to turn abnormally.
- When the lane line disappears or is disconnected, the driver should take over the vehicle in time to avoid unexpected hazards caused by LCC failure or anomalies at this time.
- When driving with this system, the following behaviors are not allowed:
  - Rely entirely on this system.

## Warning

- Use when lane lines are unclear or in poor lighting conditions.
- Use this system in an environment with many pedestrians, bicycles or animals.
- Take your hands off the steering wheel.
- Take your eyes off the road.

## Warning

The following conditions may lead to camera recognition errors, radar recognition errors, etc., affecting the performance of the LCC and causing the function to exit, including but not limited to:

- Mounting positions of cameras are changed.



### Warning

- The camera is obstructed or blind.
  - The ability to recognize at night is reduced, and the surrounding environment is dim, such as dawn, dusk, night, and tunnels.
  - Sudden changes in brightness of the surrounding environment, such as tunnel entrances or exits.
  - Large shadows cast by buildings, landscapes, or large vehicles.
  - The windshield in front of the camera has water, dust, micro-scratches, oil, dirt, wipers, freezing, snowfall, etc.
  - Radar is misplaced or blocked, or covered with mud, ice, metal plates, tape, tags, leaves, etc.
  - The radar or the surrounding area is impacted due to vehicle collision, scraping, etc.

### Warning

- Due to the limitation of radar identification target characteristics, in rare special cases, false alarms may be generated on some metal fences, green belts, cement walls, etc.

LCC may be disabled or unavailable when:

- ACC exits or fails to be activated.
- The brake pedal is applied.
- The steering wheel is turned manually.
- Driving speed exceeds 130 km/h.
- Lane conditions are not met.
- The vehicle is shifted into another gear.
- The driver's seat belt is unbuckled.
- A door is opened.
- The camera is blocked or blind.  
Obscuration caused by mud, water stains, ice, and snow, or blindness caused by light or dimness.



## Warning

- Tire pressure detection system alarms.
- Wipers are in HI gear.
- The system is malfunctioning or in need of repair.
- Road conditions are not met.
- The system detects that the driver is distracted or fatigued.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).

LCC should not be used in the following cases:

- Roads with sharp turns, or poor road conditions such as bumpy, slippery, frozen, or icy roads.

## Warning

- Sloping roads, uphill and downhill sections, high-speed turns or sharp turns, junctions with roadblocks/curbs/zebra crossings/arrows.
- The driving lane is too wide or too narrow.
- Roads where pedestrians or cyclists may pass through.
- Strong light (such as oncoming headlight or direct sunlight) obstructs the camera's view.
- The preceding vehicle blocks the view of the camera or blocks lane lines.
- Windshield blocks the view of the camera (water spray, dust or sticker blocking, etc.).



### Warning

- No lane line or excessive wear, coverage, and disappearance of lane lines, temporary adjustments, or rapid changes due to road constructions (e.g., lane bifurcating, crossing, or merging). Special lane change scenarios, such as lane diversion, diverging, guiding areas, and lane widening.
- There are words or traffic signs on the road surface or dense words, traffic signs, asphalt, skid marks, tire tracks, ruts, and other disturbances in the lane.
- Presence of large vehicles such as trucks, buses, etc. to the side or ahead.
- Objects or landscape features project on lanes, forming large shadows.
- Road surfaces with text or traffic signs.
- Radars are restricted. [Refer to Page 8.](#)
- Cameras are restricted. [Refer to Page 11.](#)

### Warning

- Radars or cameras obscured (by dust, cover, etc.), or the weather conditions are poor (e.g. heavy rain, snow, dense fog).
- Road boundaries separated by traffic cones, water barriers, cement piers, etc.
- Significant lateral airflow or strong winds can affect the performance of LCC, which is not suitable for such weather conditions.

The above examples, warnings, and constraints do not cover all the conditions that can affect the proper operation of the LCC.



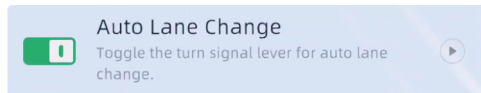
## Automatic Lane Change (ALC)

### Function Introduction

After LCC is activated, ALC can assist the driver to change lanes according to the driver's lane change instruction.

### Function Operations

#### Enable or Disable ALC



Tap on the CID " → XPILOT", you can enable or disable ALC.

#### Note

ALC function can only be enabled after LLC and BSD are enabled.

### Apply ALC



1. Check the lane change environment and confirm the driving environment is safe and suitable for a lane change. After confirming that the lane change is safe, turn on the lane change indicator or turning lamp on the corresponding side.
2. ALC assists in changing lanes, and the instrument cluster displays the lane changing process.



### Note

When ALC judges that it is not suitable to change lanes at present, the parking frame of the target lane of the instrument cluster is gray, and when the lane change is canceled, the instrument cluster displays "**Lane change canceled**" to prompt.

3. During lane change, the driver shall stay alert and take over the vehicle when necessary. After entering a new lane, LCC will continue to work, assisting the driver to keep the vehicle centered in the lane.

### Note

The ALC can only assist the driver in changing one lane at a time rather than change lanes continuously. The operation above needs to be repeated when changing lane again.

### Warning

Please carefully read all information about ALC in this Manual to understand its restrictions and limitations before using the function.

- ALC is only a driving assist function and cannot achieve fully autonomous driving. The driver still needs to always observe the lane change environment and hold the steering wheel when ALC is activated, and take over the vehicle before any potential danger occurs.
- ALC is not suitable for all traffic, weather, and road conditions. Do not enable ALC in adverse weather (e.g. rain, snow, fog), or on roads where pedestrians or cyclists may pass through.
- Do not enable ALC if there is another vehicle driving on the side front or adjacent lane, which may lead to a risk of collision.





### Warning

- During lane change by ALC, if another vehicle is changing to the same lane as the vehicle, the system is unable to avoid the risk of collision. The driver needs to always observe the driving environment and take over the vehicle when necessary. It is always the driver's responsibility to change lanes in a safe manner.
- Do not use ALC when the vehicle is in a poor condition like abnormal four-wheel alignment, abnormal tire pressure, etc.
- Please do not use the ALC at the ramp, merging or diverging places of expressways or other roads.
- Please use ALC with caution at turning, as the system may be unable to provide lane change assist.

### Warning

- Designed for driving comfort and convenience, ALC cannot handle unexpected and dangerous situations. It is the driver's responsibility to remain alert, drive safely, and take control of the vehicle at all times. Do not rely solely on the system for emergencies. Always observe the road ahead and be prepared to take corrective actions at any time. Otherwise, serious injury or death may occur.
- Do not use ALC on city roads or in changeable road conditions.
- Do not use ALC on roads with sharp bends and bumpy, icy, or slippery roads, as the system cannot assist lane change stably on these roads.
- ALC may occasionally recognize road conditions that allow lane change as disallowed, and you need to change lanes manually in this case.



### Warning

- ALC may be unable to accurately detect the lane change environment on heavy-traffic roads. Please use it with caution.
- Do not use ALC on roads with solid lines or roads where lane changes are restricted.
- During lane change by ALC, the driver must take over immediately if another vehicle is quickly approaching the vehicle, or a collision may occur.
- Do not use ALC if there is another vehicle in the side rear blind spot or the lane change route.
- ALC may be unexpectedly exited at any time for unknown reasons. The driver needs to always observe the driving environment and take appropriate when necessary. It is always the driver's responsibility to change lanes in a safe manner.

### Warning

ALC is particularly unsuitable for the following situations:

- Roads with sharp turns and bumpy, slippery, or icy roads.
- Sloping roads.
- Roads where pedestrians or cyclists may pass through.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- Strong light (such as oncoming headlight or direct sunlight) obstructs the camera's view.
- The preceding vehicle blocks the view of the camera.
- Windshield blocks the view of the camera (water spray, dust or sticker blocking, etc.).



## Warning

- Excessive wear, coverage, or disappearance of lane lines, overlapping of old and new lane lines, temporary adjustments, or rapid changes due to road construction (e.g., lane bifurcation, crossing, or merger).
- Landscape features project on lanes, forming large shadows.
- Warning cones, warning signs, or other objects are placed on the road surface.
- Radars are restricted. [Refer to Page 8.](#)
- Cameras are restricted. [Refer to Page 11.](#)
- Radars or cameras obscured (by dust, cover, etc.), or the weather conditions are poor (e.g. heavy rain, snow, dense fog).

## Warning

- ALC is not suitable for some weather conditions when there is significant lateral airflow or strong winds on one side of the vehicle, which can affect the performance of ALC.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of ALC.



### Forward Collision Warning (FCW & AEB)

#### Function Introduction

The FCW function includes Forward Collision Warning (FCW) and Automatic Emergency Braking (AEB), which reduce the risk or lower the speed of collisions and are used to improve the safety of drivers and passengers.

#### Warning

FCW is only an auxiliary function and cannot help the driver under all conditions. It can only try to minimize the impact of a frontal collision by reducing the speed within the limits of the system, and the system will delay the start slightly to avoid unnecessary intervention. The driver usually be aware of the FCW function when the vehicle is about to collide. Do not rely on the FCW to replace the response that the driver should make.

#### Function Activated



When the system detects that there is a risk of collision with the vehicle ahead, it will give you a warning through the ICM and the prompt sound. If the risk of collision is relatively high, the system will also alert you through tapping the brake.



If the driver fails to brake in time or the braking force is too small, AEB will be activated to reduce or avoid injuries in a vehicle collision.

## Caution

If the AEB stops the vehicle, the vehicle will remain stationary for a while and the driver should take over braking as soon as possible.

## Instrument Cluster Indicator

The function status of the FCW can be understood through the indicator on the ICM:



FCW function is turned off



FCW malfunctions



## Caution

If the FCW function fails, contact XPENG Service Center for troubleshooting as soon as possible.


## Function Operations



### Forward Collision Warning

Forward Collision Warning and Braking Assistance



FCW is enabled by default, tap on the CID " →XPILOT", you can turn off or turn on the FCW function.



## Limitations and Errors

### Warning

Before using the FCW, please refer to this section for guidelines and limitations on the use of the feature.

- FCW is an assistance function that does not work in all driving situations, traffic, weather, and road conditions and is not a substitute for focused driving and accurate judgment. The driver should bear all the responsibility for driving safety. Always observe road conditions when driving and never rely on FCW to warn of or avoid possible collisions. Many factors can degrade or affect the performance of the FCW, resulting in unnecessary, ineffective, or inaccurate warnings, brake interventions, or omissions. Relying on the FCW to avoid collisions may result in serious personal injury or death.

### Warning

- AEB is not designed to prevent collisions. It is only able to minimize the impact of a frontal collision by trying to reduce the speed. Relying on the AEB to avoid a collision may result in serious personal injury or death.
- FCW design is only applicable for frontal collision mitigation and will not work when the vehicle is in R gear.
- The monitoring range of the camera and radar sensors associated with FCW is limited. Road conditions and weather conditions may adversely affect the area that can be monitored by FCW. Always drive with caution.



## Warning

- When the vehicle gives visual, audible and tactile warning, it is the driver's responsibility to take immediate action to avoid putting the vehicle in further danger and never rely on the intervention of the AEB.
- FCW may issue a warning or take braking in situations where there is no risk of collision. Stay focused and keep your eyes on the area in front of your vehicle at all times to anticipate if you need to take any action.
- It is strongly recommended that the FCW feature not be turned off. Otherwise the vehicle will not be able to warn or assist in applying the brakes when a collision is likely to occur.

## Warning

- If traffic conditions or external influences prevent the cameras and radars from correctly detecting other road users such as pedestrians, cyclists, and vehicles, warning and braking intervention may be delayed or not applied at all.
- When AEB intervenes with the vehicle braking, if the driver depresses the accelerator pedal, the braking may be interrupted.

## Warning

- For pedestrians and two-wheeled vehicles, FCW operates only when the driving speed is between 27 km/h and 85 km/h. For vehicles, FCW operates only when the driving speed is between 27 km/h and 150 km/h.



- For pedestrians and two-wheeled vehicles, AEB operates only when the driving speed is between 4 km/h and 65 km/h. For vehicles, AEB operates only when the driving speed is between 4 km/h and 85 km/h.

**FCW cannot always detect other road users such as vehicles, cyclists, or pedestrians. Unnecessary, untimely, or invalid warnings or missed warnings can occur for a variety of reasons, such as:**

- The vehicle is driven on a road with large curves or in poor road conditions.
- When there are other vehicles suddenly moving fast or to the front of the vehicle, the FCW cannot issue a warning or apply brakes in time.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).

- Strong light (such as oncoming headlight or direct sunlight) obstructs the camera's view.
- Windshield blocks the view of the camera (water spray, dust or sticker blocking, etc.).
- Radars are restricted. [Refer to Page 8.](#)
- Cameras are restricted. [Refer to Page 11.](#)
- When the driving speed of the vehicle is greater than a certain speed, the AEB cannot completely avoid a collision after it detects a pedestrian.
- AEB does not work on vehicles in reverse.

**The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of FCW.**



## Blind Spot Security (BSD & LCA)

### Function Introduction

Blind Spot Security includes Blind Spot Detection (BSD) and Lane Change Assist (LCA), which can monitor the lanes on both sides of the vehicle and alert you when there is a risk in changing lanes.

#### Warning

- In the case of a sharp turn, the Blind Spot Security will not work.
- The Blind Spot Security does not work when reversing.
- Blind Spot Security is a driver-assist feature and does not work in all situations.
- Blind Spot Security is not a substitute for safe driving and cannot replace the function of the interior and exterior rearview mirrors.

- Once the Blind Spot Security is enabled, it does not mean that the driver can do nothing and be relaxed. It is always the driver's responsibility to change lanes in a safe manner.

### Function Activated





If the vehicle speed is greater than 10 km/h, and if there is a vehicle in the blind spot, or there is a fast-approaching vehicle behind the blind spot, the warning light on the corresponding side exterior rearview mirror will light up, and if you turn on the lane change warning lights on the corresponding side, the warning lights on the exterior rearview mirrors will flash to alert you to the problem.

### Caution

When the warning light on the exterior rearview mirror is on, the driver should avoid changing to the lane on the corresponding side.

## Function



### Blind Spot Detection

Detects Blind Spots on both sides of the Vehicle for safety during lane change.



Tap on the CID " → XPILOT", and you can turn on/off the Blind Spot Security function.

## Restrictions and Errors

The Blind Spot Security function does not always work in all situations and different reasons may lead to unnecessary, untimely or invalid warnings or missed warnings:

- Radars are restricted. [Refer to Page 8.](#)
- The presence of bulky, moving metal objects at the blind spot.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of the Blind Spot Security.

## Door Open Warning (DOW)

### Function Introduction

DOW function can remind you when the door is opened and there is a risk of collision.

#### Warning

- Even when this vehicle is stationary, DOW function does not work in all situations and cannot replace the visual observation of the driver and passengers, as well as the role of the internal and external rearview mirrors, so do not rely solely on the DOW function.
- DOW function is only active when the vehicle is stationary or at a very low speed, and it will not work when the vehicle is moving.

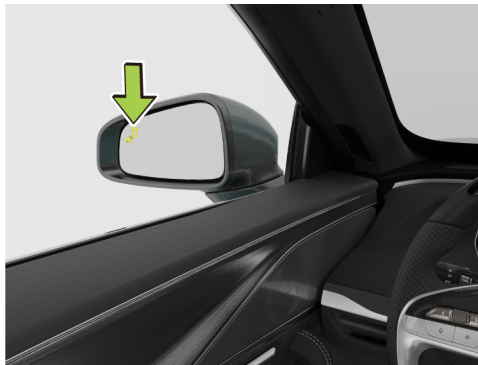
- DOW function aims to remind the driver and passengers to pay attention to the safety of the door opening environment when opening the car door, limited by the performance of the sensor and the complexity of the traffic environment, there is a possibility of unnecessary alarm or no alarm, actively observe the opening environment before getting out of the car is the most effective measure and responsibility of the driver and passengers to ensure personal safety.

### Function Activated

**When the vehicle speed is 0~5 km/h, vehicles, pedestrians, and two-wheeled vehicles are approaching at a certain speed within the detection range, and there is a risk of collision when the door is opened, DOW will then be activated, and the alert will be sent in the following ways:**



- ICM
- Warning tone



- The alarm lights of the exterior rear-view mirror on the corresponding side are normally on.



- The ambient lights are flickering

### Function Operations



#### Door Opening Warning

Door Opening Risk Warning When Parked

Tap on the CID "  →XPILOT" to enable or disable the DOW function.

### Restrictions and Errors

Door Open Warning (DOW) does not always work in all situations. Unnecessary, untimely, ineffective, or missed warnings can occur for any of the following conditions, such as:

- Radars are restricted. [Refer to Page 8.](#)
- Targets are small or static.
- The target is moving too fast or has a turning behavior, e.g. the target vehicle changes lanes to directly behind the vehicle, or another vehicle suddenly changes lanes to appear in the detection area directly behind the vehicle.
- There are other vehicles and riders directly behind the vehicle.
- The vehicle stops in locations around corners or next to walls.



The above examples, warnings, and limitations do not cover all the conditions that may affect the proper functioning of DOW.

### Reverse Car-Parking (RCP)

#### Function Introduction

The RCP function detects the danger of collision behind the vehicle when reversing and perform warning and assistant braking.

#### Warning

- The smart technology of RCP cannot exceed the physical limit, and can only work within the limit of the system. Do not take risks due to the advanced system. The system is not a substitute for driver's attention.
- RCP is a driving assist feature and does not work in all situations.

- The RCP in no way means that the driver can do nothing and be careless in driving. It is always the driver's responsibility to reverse in a safe manner.
- Do not use the system when the vision is restricted and it is difficult to see traffic conditions (e.g. on roads with heavy traffic or crossing multiple traffic lanes).
- The system may not be able to accurately identify cyclists and pedestrians, so you must always pay attention to the surroundings.

#### Function Activated

**When the vehicle is in R/N gear, the vehicle speed is 1-12 km/h, and there are vehicles, pedestrians, and two-wheeled vehicles approaching at a certain speed within the detection range, and there is a risk of collision, the RCP will be activated and an alert will be sent via ICM or warning sound.**



If the driver fails to brake in time or the braking force is too small, the RCP will be activated to reduce or avoid injuries in a vehicle collision.

### Caution

If the RAEB stops the vehicle, the vehicle will remain stationary for a while and the driver should take over braking as soon as possible.

## Function Operations



### Reverse Collision Prevention

Detects the danger behind the Vehicle and assists braking while reversing.



Tap on the CID "→XPILLOT", you can turn on/off the reverse collision prevention.

## Restrictions and Errors

RCP does not always work in all situations, and unnecessary, untimely or ineffective warnings or missed warnings can occur for a variety of reasons, such as:

- Radars are restricted. [Refer to Page 8.](#)
- The presence of bulky, moving metal objects at the blind spot.
- The object to be detected is moving too fast.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of RCW.

## Rearward Collision Warning (RCW)

## Function Introduction

The RCW function detects the collision risk behind the vehicle while driving and gives a warning.



### Function Activated



When the vehicle speed is 15~160 km/h, and there are vehicles, pedestrians, and two-wheeled vehicles approaching at a certain speed within the detection range, and there is a risk of collision, the RCW function will be activated, a warning will be given through the ICM and the prompt sound, and the Hazard warning lights will be on to alert vehicles behind.

### Function Operations



#### Rearward Collision Warning

Detects rear collision risk when driving.

Tap on the CID " → XPILOT", you can turn on/off the RCW function.

### Restrictions and Errors

RCW does not always work in all situations, and unnecessary, untimely or ineffective warnings or missed warnings can occur for a variety of reasons, such as:

- Radars are restricted. [Refer to Page 8.](#)
- The presence of bulky, moving metal objects at the blind spot.
- The object to be detected is moving too fast.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of RCW.



## Rear Cross Traffic Alert (RCTA)

### Function Introduction

RCTA can alert the driver of vehicles coming from the rear cross blind spot when the reversing view is limited.

#### Warning

- It's impossible for the smart technology of RCTA to exceed the physical limit, which can only work within the limit of the system. Do not take risks due to the advanced system. The system is not a substitute for driver's attention.
- RCTA is a driver-assist feature and does not work in all situations.
- The use of RCTA in no way means that the driver can do nothing and be relaxed. It is always the driver's responsibility to reverse in a safe manner.

- Do not use the system when the vision is restricted and it is difficult to see traffic conditions (e.g. on roads with heavy traffic or crossing multiple traffic lanes).
- The system may not be able to accurately identify cyclists and pedestrians, so you must always pay attention to the surroundings.

### Function Activated



When the vehicle is in R/N gear, the speed of the vehicle is 2~15 km/h, and there are vehicles, pedestrians, and two-wheeled vehicles approaching at a certain speed within the detection range, and there is a risk of collision,



the RCTA function will be activated, and a warning will be given through the ICM and the prompt sound.

### Function Operations



#### Rear Cross Traffic Alert

Detects cross traffic in your blind spots when reversing.



Tap on the CID "→XPILOT", you can turn on/off the RCTA.

### Restrictions and Errors

RCTA does not always work in all situations, and unnecessary, untimely or ineffective warnings or missed warnings can occur for a variety of reasons, such as:

- Radars are restricted. [Refer to Page 8.](#)
- The presence of bulky, moving metal objects at the blind spot.
- The object to be detected is moving too fast.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of RCTA.

### Narrow Road Assist

#### Function Introduction

The Narrow Road Assist function automatically activates the dash-cam and send an alerts through the instrument when driving close to an obstacle at low speeds.

#### Switch



#### Narrow Road Assist

Automatically turn on the Driving Image Assist when approaching obstacles at low speed.

Tap on the CID "→XPILOT" to enable or disable the Narrow Road Assist function in the current menu interface.



## Note

In D gear, when the speed is less than 10 km/h, and the ultrasonic radar on the front and rear sides of the vehicle (excluding right ahead or astern) detects that there is an obstacle within a range of distance  $\leq 80$  cm, the **"Narrow Road Assist image interface"** will be activated automatically, and the interface will exit after the situation is passed.

## Steer Assist

### Function Introduction


When the vehicle is stationary or running at a low speed and the Steering Assist is activated, the dash cam is automatically turned on to help the driver observe the turning condition and pass it.

## Switch



### Steer Assist

When the turning lamp is turned on at a standstill or at a low speed, the driving camera assist is automatically turned on

Tap on the control screen " →XPiLOT" to enable or disable the Steering Assist function in the current menu interface.

## Note

When the vehicle is in D/P gear, and the vehicle speed is less than 10 km/h, turn on the turning lamp, and the **"Steering Assist image interface"** will be activated automatically. It will exit once the situation is passed.



### Lane Support Systems (LSS)

#### Function Introduction

LSS includes Lane Departure Warning (LDW), Lane Keeping Assist (LKA) and Emergency Lane Keeping (ELK), which reminds and correct unintentional lane departure or emergency avoidance of potential side collisions.

#### Lane Departure Warning (LDW)



When the LSS warning mode is selected, LDW is turned on: when the vehicle speed is 60~150 km/h, and the vehicle deviates from its lane without turning on the turn lamp in the same direction, the function will give a warning through the ICM, prompt sound, and steering wheel vibration, until the driver corrects the vehicle's driving direction.



### Caution

LDW only provides a warning function and cannot move the vehicle back into the correct lane. Please correct the vehicle's driving direction timely when LDW gives a warning.

### **Lane Keeping Assist (LKA)**

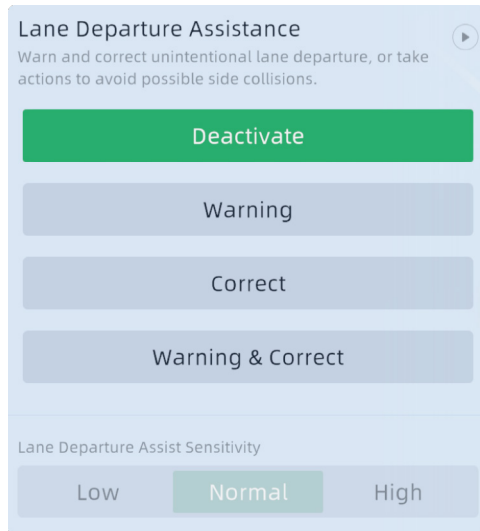
When the LSS correction is selected, LKA is turned on: when the vehicle speed is 60~150 km/h, and the vehicle drifts out of its lane without turning on the turning lamp in the same direction, the function will give a warning through the ICM and the prompt sound, and intervene in the steering wheel control and move the vehicle back into the original lane.

### **Emergency Lane Keeping (ELK)**

When the LSS correction mode is selected, ELK is turned on: when the vehicle speed is 60~150 km/h and it is about to collide with the roadside or oncoming/overtaking vehicles, it will also give a warning through the ICM and the prompt sound, and intervene in the steering wheel control for emergency avoidance.



## Function Operations



Tap on the CID "🚗→XPILOT", you can set the assist mode and trigger timing of the LSS function.

### Note

If the LSS function is turned off, it will turn on again the next time when the vehicle is powered on.

## Restrictions and Errors

### Warning

- LSS only provides driving assistance, and is not a substitute for direct visual inspection. Do not rely on the function to give an warning in case of an unexpected lane departure. It is the your responsibility to remain alert, observe the lanes, and always be aware of other road users. Otherwise, serious injury or death may occur.



## Warning

- When the vehicle gives visual, audible and tactile warnings, it is your responsibility to take immediate action to avoid putting the vehicle in further danger and never rely solely on the intervention of LKA.
- LSS is an assistance function that does not work in all driving situations, traffic, weather, and road conditions and is not a substitute for focused driving and accurate judgment. The driver should bear all the responsibility for driving safety. Always observe road conditions during driving and never solely rely on LSS to warn of or avoid a possible collision. Many factors may degrade or affect the performance, and result in unnecessary, ineffective or inaccurate warnings, deviation-correction interventions or omissions. Relying on the LSS to warn or avoid a potential departure may result in serious personal injury or death.

## Warning

- When the vehicle deviates from the lane without turning on the turn lamp, the LSS will correct the vehicle driving direction, but focused driving is still necessary. The function cannot completely substitute the driver's operation.
- When the turn lamp is on or the driver has obvious steering intentions (e.g. turning the steering wheel quickly, braking, accelerating by pressing the accelerator pedal deeply, turning on the hazard warning lights), the LSS will not issue a warning or intervene in lane departure. The activation of wipers and hazard lights will inhibit the function from being activated.



### Warning

- LSS doesn't work in all driving situations, traffic, weather, and road conditions. The driver shall always be ultimately responsible for ensuring safe driving and obeying the applicable laws and road traffic rules.

**LSS cannot clearly detect the lane lines at all times. You may receive a useless or false warning, or cannot properly intervene with the LSS when:**

- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- Strong light (such as oncoming headlight or direct sunlight) obstructs the camera's view.
- The preceding vehicle blocks the view of the camera.
- Windshield blocks the view of the camera (water spray, dust or sticker blocking, etc.).

- Excessive wear of lane lines, overlapping old and new marker lines, temporary adjustments or rapid changes due to road construction (e.g., lane bifurcating, crossings or merger).
- Objects or landscape features project on lanes, forming large shadows.
- LSS is not suitable for some weather conditions when there is significant lateral airflow or strong winds on one side of the vehicle, which can affect the performance of LSS.

**LSS may miss warnings or intervene with the departure, or give false warnings and intervene the departure incorrectly when:**

- Cameras are restricted. [Refer to Page 11.](#)
- Weather conditions (heavy rain, snow, fog, extremely hot or cold temperatures) interfere with the operation of the camera.

**The above examples, warnings, and constraints do not cover all the conditions that affect the proper operation of the LSS.**





## Intelligent High Beam Control (IHB)

### Function Introduction

The Intelligent High Beam function automatically switches between high beam and low beam based on information such as the ahead vehicle and environment light to avoid interference with surrounding traffic participants.

#### Caution

This function does not guarantee complete and accurate perception of the surrounding environment or vehicles, and it may cause mis-adjustment of high and low beams. Please make sure to comply with local traffic regulations and use this function in a proper way that is required by law.

### Function Activated

When the following conditions are met, IHB is activated, and the function automatically switches between high beam and low beam according to the environmental conditions:

1. The intelligent high beam switch on the CID is on;
2. The light switch is in AUTO;
3. The low beam is activated;
4. The front windshield camera is not obstructed or fogged;

#### Note

After IHB is activated, if the vehicle speed is less than 15 km/h, the IHB function be deactivated.



### Instrument Cluster Indicator

You may learn about the function status of IHB through the indicator light of the ICM:



The IHB function is ready, but not activated.



The IHB function is activated and the low beams of the vehicle are on.



The IHB function is activated and the high beams of the vehicle are on.



**Functional Fault**



**Caution**

If the IHB fails, contact XPENG Service Center for troubleshooting as soon as possible.

### Function Operations



Tap on the status bar  at the top of the CID to turn on/off the intelligent high beam function.

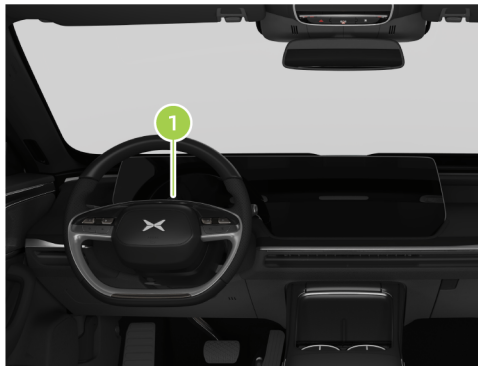
### Restrictions and Errors

- The IHB function is subject to camera and various restriction conditions.
- IHB performance will be degraded if the camera is not properly calibrated.
- Due to failure of the camera, vision is restricted due to dust cover, icing, rain, snow and fog and other factors, and the IHB performance will be degraded;
- There are highly reflective objects within the sensing range of the camera on the road.
- IHB is unavailable in dazzling scenarios, such as heavy rain or fog.

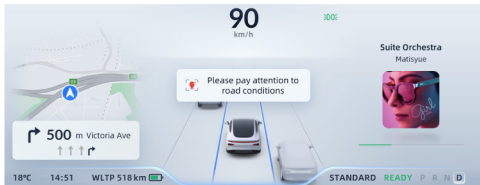
The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of IHB.

### Driver State Monitoring (DSM)

#### Function Introduction



1. Fatigue detection camera (in-car camera)



DSM detects the driver's facial state. When the driver is fatigued or distracted, the function will alert the driver through the ICM and prompt sound.

### Function Operations



#### In-Vehicle Camera

Process locally in real-time for driver fatigue and distraction detection reminder

Tap on the CID "🚗 → Vehicle Settings" to turn on/off the in-vehicle camera.



#### Caution

It shall not be possible for the driver to manually deactivate the DSM system. It may however be possible for the driver to manually deactivate the system HMI warnings. Following manual deactivation of the System HMI warnings,, which will affect safe driving. Please think twice before turning it off.

### Restrictions and Errors

Driver fatigue detection function does not always work in all situations. Various reasons may cause the failure of the function, such as:

- High/low voltage power supply;
- The driver fatigue detection camera malfunctions or the camera is blocked.

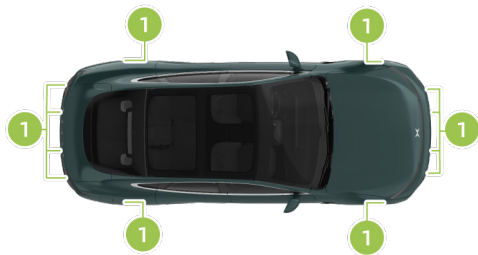
The above examples, warnings, and restrictions do not cover all the situations that affect the proper operation of driver fatigue detection.

## Parking Radar System

### Function Introduction

The parking radar system detects the distance between the vehicle and surrounding obstacles through the ultrasonic radar installed on the vehicle bumper, and reminds the driver through the instrument cluster, CID and alarm sound to assist the driver in parking.

### Installation Position of Ultrasonic Radar



1. Ultrasonic radar

### Warning

- The smart technology of parking assistance cannot exceed the limits of physical laws and can only work within the limits of the system. Otherwise, it may result in serious injury and damage to the vehicle.
- Parking assistance is not a substitute for driver's attention, and always be aware of your surroundings.
- During Autopark, the auditory warning messages from the parking radar will be diminished, but there will still be the necessary warning messages. The driver should always pay attention to the warning message issued by the parking radar and apply the brakes if necessary.
- The parking assistance will turn off the warning when the vehicle speed is greater than 12 km/h.

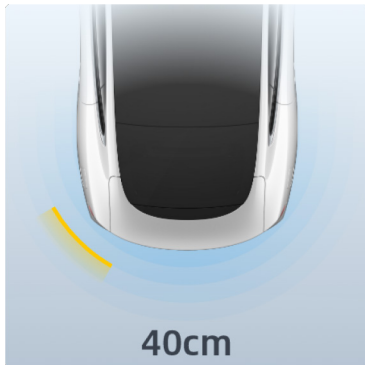


- Do not wait for the warning message from the parking radar; you will need to brake as appropriate to ensure the safety of the vehicle.
- The parking radar only sends warning messages when it detects an obstacle, so warning messages may not be sent or may be delayed, or may be unnecessary. Solely relying on the parking radar to warn the risk of a potential collision may result in serious personal injury or death.

### Function Activated

When the D gear is engaged, the ultrasonic radar on the front bumper starts to work; when the R gear is engaged, all the ultrasonic radars work.

### Alarm Interface



When the parking radar system is activated, the alarm interface of the instrument cluster will simulate and display the general direction of the obstacle and the distance to the vehicle. When green, the distance is far away, and when red, the distance is very close. The distance between the vehicle and the nearest obstacle will also be



displayed below in numerical form.

When the R gear is engaged, the CID will also display the parking radar system alarm interface.

## Warning Sound

As the distance between the vehicle and the obstacle decreases, the frequency of the warning sound will gradually increase to be a continuous warning when the vehicle is about to collide with the obstacle.

## Restrictions and Errors

Parking radar can detect a variety of obstacles, vehicles, bicycles or pedestrians, etc. Unnecessary, untimely or false warnings or missed warnings can occur for a variety of reasons, such as:

- Radars are restricted. [Refer to Page 8.](#)

- The warning message from the parking radar may be delayed when this vehicle is approaching an obstacle at a high speed.
- The parking radar will still warn when the obstacle is soft (such as a drawn-up weeds) that would not damage the vehicle.

The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of parking radar system.

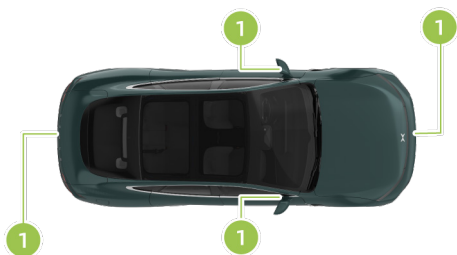
## 360° Panoramic View AVM

### Function Introduction

AVM uses the around view cameras around the vehicle to capture the surrounding environment of the vehicle and display it on the CID.



## Mounting Positions of Around View Cameras



### 1. AVM camera

Around view cameras are respectively installed above the license plate and below the left and right exterior rear-view mirrors.

## Function Operations


### Reversing Image

When the vehicle is put into the R gear, the CID enters the reverse view interface.

If turned on "**reversing image hold**", when the gear shifts from R to D, the reversing image switches to the front view.

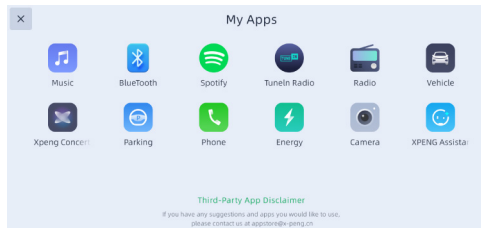
If not turned on "**reversing image hold**", then when the gear is shifted from R, the reversing image will be turned off.

#### Note

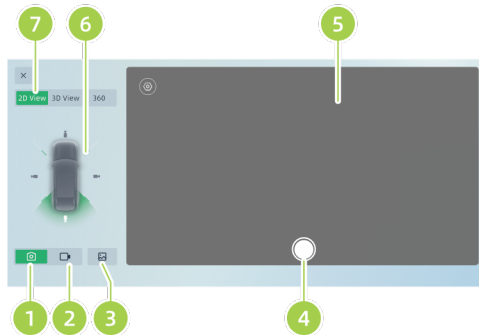
Tap on the CID "→Assisted driving→Super Autopark Assist→Parking settings, or tap "→settings" to enable/disable the reversing image hold function.



## Camera Application



Engage in R gear, or tap on the CID in turn  
→**Camera**", you can open AVM.



1. Photo Mode
2. Video Mode
3. Album
4. Taking photos/video recording switch
5. AVM real-time screen
6. In 2D/3D Perspective Mode, the orientation of the AVM real-time picture
7. AVM Display Mode



## Auto Park Assist (APA)

### Function Introduction

APA can assist drivers in and out of perpendicular, parallel, and diagonal parking slots with or without frames.


#### Warning

- The performance of APA depends on the environmental detection and identification ability of the ultrasonic sensor and the around view cameras.
- APA may not always be able to detect parking slots and the objects in the parking routes, so the driver must check the environment and make sure the environment is appropriate and safe.
- Despite the fact that APA is able to avoid obstacles and suspend automatically, the driver needs to be ready at any time due to the restrictions of the sensor.

#### Warning

- A narrow place will restrict the sensor's ability to detect the position of an obstacle precisely, and APA will increase the risk of damage to the vehicle or surrounding objects.
- The obstacles at the height of or above the exterior rearview mirror cannot be detected completely and effectively, so it is necessary to keep observing the environment and make sure it is safe and appropriate during parking.

### Instrument Cluster Indicator

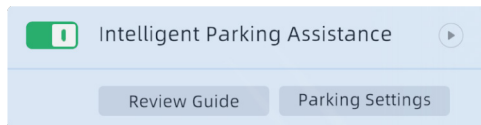
When APA is active, the instrument cluster indicator  is blue.

# Parking Assistance



## Function Operations

### Open or Close APA



Tap on the CID "🚗→XPILOT" to open or close APA.

### Parking In

1. Tap on the CID "👁️", or say "HI, XPENG, I want to park" to enable the parking function.



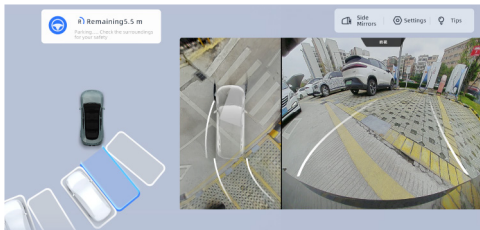
2. Drive the vehicle slowly, observe the CID until the target parking slot turns blue, and then press the brake pedal.



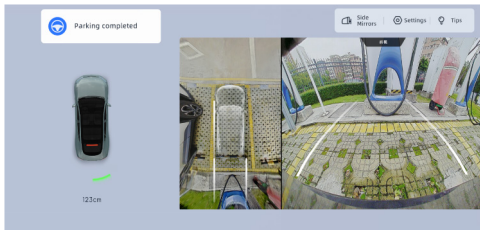
3. Select "Target parking slot", tap "Start parking".



# Parking Assistance



4. Release the brake pedal and start parking.



5. "Parking completed" will be displayed on the CID after parking.



## Caution

- Before parking, please observe whether the surrounding environment of the vehicle is suitable and safe.
- During parking, please keep an eye on the surrounding environment and take over the vehicle at any time.

## Parking out

After using APA to park in a parking slot, you can use the park out function if the car hasn't been moved since it was parked.

1. Step on the brake pedal and put into R gear.
2. Tap on the CID "Start parking out".
3. Release the brake pedal and start to park out.
4. "Departed from the Parking Spot" will be displayed on the CID after exiting the parking spot.



## Disable the Parking Assistance

**The parking assistance will be disabled when:**

- The driver turns the steering wheel manually or applies the brake to shift gear when parking is in progress.
- Tapping the Exit button on the parking screen before parking starts.
- Smart assisted parking paused for more than 30 s without resuming.
- The APA pauses for more than twice due to operations of opening the door, applying the accelerator pedal or brake pedal.

## Restrictions and Errors

**APA may not function as expected when:**

- The vehicle is on a slope.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- Kerbs are not made of stone, or are undetectable, and if parked improperly, the

vehicle's tires and rims can be damaged by the kerb.

- One or more ultrasonic sensors, surround view cameras are dirty or obstructed (e.g. sludge or snow and ice).
- Weather conditions (heavy rain, snow, fog, extremely hot or cold temperatures) interfere with the operation of the camera.
- The sensor is affected by other electrical equipment or devices that can produce interference.
- The road surface is uneven.
- The sensor cannot recognize road surfaces where height gaps exist, so do not use it at locations such as cliff edges, high platforms, or sidewalks facing the street.
- The sensors have a limited ability and range to recognize obstacle and they cannot recognize obstacles that are overhanging, smaller in size, and smaller in width. When there is a similar object in the parking environment, be sure to watch for it and be



prepared to step in and take over the vehicle at any time to avoid a collision.

- Do not use the system when chains or spare wheels are in use.
- Do not use the function if the loaded object is protruding from the vehicle.
- Do not use the function if either of the right or left exterior rearview mirror or surround view camera is damaged or in an abnormal position.
- The function may not always be available when parking on narrow streets, or narrow parking spaces as the necessary maneuvering space may not exist.
- Use approved tires with normal tire pressure to avoid the tire pressure warning system, and avoid using tires that are in alarm condition to ensure the normal functionality of APA.
- Modifying a vehicle or having a vehicle serviced not at XPENG Service Center may result in the APA being affected and susceptible to scrapes/collisions during the

parking process.

- Many unforeseen circumstances can affect the ability of APA to park the vehicle into a parking space. Be sure to keep in mind that APA may not be able to maneuver the vehicle properly for various reasons. Be aware that even when parking is in progress, always be ready to take over the controls of the vehicle immediately.
- APA is only a driving aid function, not a fully automated ability, and does not achieve full autopilot capability, so the driver must maintain focus on observing and making the reasonable judgment of the vehicle and environment.

**The above examples, warnings, and restrictions do not cover all the conditions that may affect the proper operation of APA.**



## Straight Line Summons

### Function Introduction

The vehicle can be controlled to move forward or backward through the mobile APP, which is convenient for the vehicle to park in a narrow parking slot where people cannot get on and off smoothly.

#### Caution

Straight line summons have obstacle avoidance function. It will actively pause or exit parking if it encounters an obstacle, and the owner can also pause the function by releasing the button.



### Function Operations

#### Caution

- When using the straight line summon function, please observe the surrounding environment carefully, and suspend the function in time if there is danger.
- Straight line summons have obstacle avoidance function. When an obstacle is detected, the function will be automatically suspended. If the obstacle avoidance is triggered twice during a single function use, the function will exit.



### Use XPENG APP to Make a Straight Line Summon

1. Open XPENG APP, tap **"In and out of the parking space"**, wait for the vehicle to enter the active mode (the exterior rear-view mirrors are folded, and the double flashes are turned on).
2. Long press , control the vehicle to move forward, long press , control the vehicle to move backward, release the vehicle to stop the movement.





## Traction Battery

### Traction Battery Maintenance

The traction battery will slowly self-discharge even when the vehicle is not in use. When the SOC is low, parking the vehicle for a long time will shorten the lifecycle and performance of the power battery and affect the range of the vehicle. Therefore when the vehicle is parked for a long period of time, it is recommended to check the remaining power capacity, which should be kept between 30% and 60%, and if the power is deficient, please arrange for charging immediately before leaving it idle.

Refer to the table of the relationship between battery left and parking times to ensure that there is enough SOC left:

Range or soc	30%	50%	60%
Number of Days Parked	≤ 90 days	≤ 150 days	≤ 180 days

It is recommended that the battery be checked by powering it up every 3 months. If the traction battery shows a low remaining range or low SOC, it needs to be recharged in time, otherwise, the performance of the traction battery will be reduced due to undervoltage.

Traction battery life can also be affected by ambient temperature. When the ambient temperature is low, the range of the vehicle decreases and the charging time increases.



### Note

- The recommended working environment temperature for charging is 0–45 °C. When the working environment temperature is lower than 0 °C, the charging time will be prolonged.
- Parking for a long period of time in a high temperature or cold environment will accelerate the degeneration of the traction battery. It is recommended to park in a cool, dry, and ventilated place, avoid heat sources (such as heating pipes) and low-lying areas, and stay away from flammable and explosive materials and corrosive substances.
- Avoid wading your vehicle through water for a long distance or a long period of time.
- Do not fully discharge the traction battery.

### Charging Port and House

#### Charging Port and House Cleaning

**Under normal circumstances, use a high-pressure pneumatic gun and a brush to clean it every week. If no such tools are available, you can use a dust-free cloth or cotton swab to clean the charging port and the charging gun. Under abnormal circumstances (e.g., if the charging port cover is not fastened), use the above methods to clean the stand in time.**

#### Warning

It is strictly forbidden to use sharp objects such as screwdrivers and tweezers to touch the charging gun pins and charging port sockets to avoid damage to the latter.



## Tire Maintenance

### Inspection and Maintenance of Tires

Check the tread and side walls regularly for any signs of deformation (bulging), cuts, or wear.

### Tire Wear

Sufficient tread depth is critical to tire performance. Tires with a tread depth of less than 3 mm are more likely to slip on wet surfaces and should not be used. Tires with a tread depth of less than 4 mm do not perform well on snowy and muddy roads and should not be used during winter.

To reduce tire wear and extend the life of your tires, please maintain the tires based on your driving habits and road conditions:

- Avoid driving off quickly or accelerating violently.
- Avoid turning sharply and braking hard.

- Slow down when driving over potholes, curbs, or similar sections of the road.
- It is recommended to exchange the tires every 10,000 km.

### Replacement of Tires and Wheels

Tires will deteriorate over time due to UV rays, extreme temperatures, high loads, and environmental conditions. They may also have normal wear during normal acceleration, braking, and turning. XPENG Service Center will check the tire wear condition during vehicle maintenance, and recommend replacing tires if necessary. In case of special circumstances, such as the tire tread wearing down to the wear mark, or a foreign object scratches or punctures the surface of the tire, go to XPENG Service Center immediately to replace the tire.



### Warning

- Do not drive the vehicle if the tires are damaged, excessively worn, or have incorrect air pressure. Check the tires regularly for wear and tear to make sure there are no cuts or bulges.
- Upon a tire replacement or repair, check the wheel alignment and perform the wheel dynamic balance again.

### Caution

Please use the same tires and hubs as the original vehicle configuration. If the tires do not match the original specifications, it will affect the normal operation of the XPiLOT driving function and the tire pressure monitoring system.

## Seasonal Tire Types

### Summer tires

Summer tires are suitable for extremely dry or wet roads, but not for winter. Winter tires are recommended when driving in cold weather or on icy roads.

### All-season tires

These tires are designed to provide sufficient traction in all seasons of the year, but may not provide traction comparable to winter tires on icy and snowy roads. **"ALL SEASON"** and/or **"M+S"** (mud and snow) markings are visible on the tire walls of all-season tires.

### Winter tires

Winter tires improve traction on icy and snowy roads. When fitting winter tires, always fit a set of four tires at the same time and all four wheels must have the same size, brand, structure, and tread pattern of winter tires, contact XPENG Service Center for advice on winter tires.



**When driving a vehicle fitted with winter tires, you may experience increased road noise, reduced tread life, and reduced traction on dry roads.**

## Warning

- Do not drive the vehicle if the tires are damaged, excessively worn, or have incorrect air pressure. Check the tires regularly for wear and tear to make sure there are no cuts or bulges.
- Upon a tire replacement or repair, check the wheel alignment and perform the wheel dynamic balance again.
- If you find uneven and excessive tire wear, visit XPENG Service Center as soon as possible to check wheel balancing and wheel alignment. Upon a tire replacement or repair, check the wheel alignment and perform the wheel dynamic balance again.

- Insufficient tire pressure is the most common cause of tire failure and can cause overheating, cracking, tread delaminating, or tire breakage that may lead to accidental loss of control of the vehicle and increased risk of injury.
- It will also shorten the endurance mileage of the vehicle as well as the tread life of the tires.
- Do not use any tire sealant (except the type provided in the inflatable tire repair emergency kit). Other types of tire sealants may cause failure to the tire pressure sensor.



## Tire Pressure Monitoring System (TPMS)

TPMS can monitor tire pressure and tire temperature in real time while the vehicle is in motion, and give an alarm when the tire pressure, tire temperature, or TPMS system is abnormal to ensure driving safety.

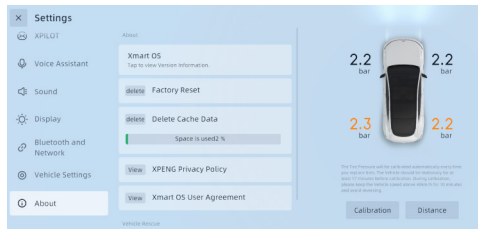
### Warning

When the tire pressure or TPMS is abnormal, the warning light of the tire pressure monitoring system on the instrument cluster will light up, and a corresponding text reminder will pop up: **"Tire pressure is low, please inflate the tires in time"**, **"The tire pressure is too low, please inflate the tires immediately"**, **"Tire pressure monitoring system fails, please contact maintenance service"**, please strictly follow the text reminder to deal with it.


It is prohibited to modify TPMS without permission.

## Calibrating TPMS with the CID

After the tire is replaced or the tire position is exchanged, the TPMS needs to be recalibrated.



### Tire Pressure Calibration Procedure:

1. The vehicle needs to be stationary for 17 min before performing the tire pressure calibration.
2. Enter the vehicle control interface through **"→About"** on the CID, and tap the **"Calibration"** button to start calibrating the tire pressure.



3. When the vehicle has run at a speed of 40 Km/h for 10 min, the TPMS calibration is finished.

## Snow Chain

### Snow Chain Description

**When you drive the vehicle in a severe environment such as snowy or icy roads in winter, use snow chains to increase tire friction and reduce side slip. For the use of snow chains, the following suggestions must be followed:**

- When driving in deep snow, it is necessary to install snow chains on the tires. The vehicle is not equipped with snow chains, and XPENG owners can purchase ones as needed. To install snow chains, you must choose an equivalent of a size and type that matches the specifications of the tires on your vehicle.
- Snow chains installed on your tires can ensure that you can drive in a balanced manner in all types of weather. It should

be borne in mind that the vehicle may not have enough traction after installing the chains. Drive carefully, even when the road conditions are good. Do not exceed the speed limit of the tire snow chains, or exceed 50 km/h, whichever is lower.

- Only use snow chains on the rear wheels. Install snow chains in pairs. Self-tensioning snow chains are strictly prohibited.
- Do not use snow chains on dry ground, and remove the chains when you drive to a snow-free road.
- After installing the snow chains as close as possible to the tires and driving 0.5-1.0 km, tighten the chains again.
- If your vehicle has wheel trim lids, remove them before installing snow chains.
- If you hear the friction or collision sound between the snow chain and the vehicle while driving, stop and retighten the snow chain. If it does not work, remove the snow chains to prevent damage to the vehicle.



### Exterior Cleaning

#### Exterior Cleaning Description

Washing your vehicle frequently will help protect the appearance of your vehicle. Keep the vehicle in a cool place away from direct sunlight when washing. If the vehicle is left in the sun for an extended period of time, it is recommended that you wait until the exterior of the bodywork has cooled before washing it.

When using an automatic car washer, be sure to follow the instructions of the car wash operator.

When in high-pressure car wash, rinse the glass directly, do not rinse the window from the outside by the edges.

After washing the vehicle in cold winter, dry the water in the grooves around the door handle to avoid freezing and stopping the door handles from being opened electrically.

To prevent damage to the paintwork, remove corrosive substances (bird droppings, resins, insects, asphalt spots, paving salt, industrial dust, etc.) immediately, and do not wait until the next washing time.

When cleaning the exterior of the body, follow the steps below:

1. Preparations before cleaning

Close the doors and tailgate and check that the charging port is fully closed.

2. Rinse thoroughly

Before washing, rinse off the dirt and grit from the body with a hose. Please rinse areas prone to dust, silt, or paving salt (e.g. wheel arches and panel joints).





## 3. Hand washing

- Add quality neutral vehicle cleaners to cold or lukewarm water, dampen a soft cloth and hand washes the exterior of the body.

## 4. Rinse with water

- After washing, rinse with water to prevent any residual soap from drying out on the surface.

## 5. Dry with a soft cloth

## Notes for Exterior Cleaning

### Caution

- Do not use hot water or detergents.
- Do not rinse under a hot sun.
- If a high-pressure cleaner is used, the nozzle must be at least 30 cm away from the surface of the body and do not keep spraying water at a certain spot all the time. Do not spray water toward the charging port.

### Caution

- When washing the vehicle in a low-temperature environment or parking the vehicle outdoors on snowy days, the Active Grille Shutter (AGS) blades may be frozen and cannot work properly, with the AGS fault warning on the instrument cluster. This is normal and will not affect normal vehicle use. After driving for a period of time (about one hour) or thawing the blades with a heat gun, the fault will disappear automatically. If the fault persists after the blades are thawed, please contact XPENG Service Center for troubleshooting.
- Do not spray water from the hose directly toward the windows, door seals, or through the wheel hub holes into the brake parts.



### Caution

- Avoid using cotton flannel or coarse cloths, such as vehicle washing gloves.
- Do not use chemical tire cleaners as they may damage the finished wheel surface.

## Cleaning, Caring for External Plastic Parts

It can usually be cleaned with water as well as a soft cloth or a soft brush.

## Window and Mirror Cleaning

- Clean the window glass and mirrors with an alcohol-based glass cleaner, then dry the glass surface with a clean, lint-free soft cloth or faux antelope skin.
- After maintaining the body surface, any wax left on the glass should be removed with a special cleaner and cleaning cloth to avoid scratching the wiper blades.

- You can remove snow from windows and mirrors with a small brush.
- Use a de-icing spray to remove ice buildup, or you can use a de-icing shovel, but extra care is needed to avoid damaging parts, and you must also scrape the ice in the same direction when using it.

### Caution


- Do not remove the ice or snow on the windshield and mirrors with warm or hot water. Otherwise, the glass may burst into shatters.
- If there are residues of rubber, grease, and silicone-type substances on the glass, they must be removed with a special window cleaner or silicone cleaner.



## Seal Maintenance

- When maintaining the seals, use a soft cloth to remove the dust and dirt from the surface. Periodically coat the rubber seal with a special protectant.

## Wiper Blade Cleaning

- Regularly inspect and clean the edges of the wiper blades for rubber cracks, splits, and roughness. If damaged, please contact XPENG Service Center for replacement.
- Contaminants on the wiper blades may reduce the effectiveness of the wiper blades. Contaminants include ice, car wash spray wax, cleaning fluids containing bacteria and/or water repellents, bird droppings, tree sap, and other organic materials.
- Please clean the wiper blades as follows:
  - Clean the windscreen with a non-abrasive glass cleaner.
  - Tap "  → **Vehicle Settings** → **Front Wiper**

**Maintenance Mode**" on the CID to turn on/off the front wiper maintenance mode.

- Lift the wiper arm slightly from the windscreen to get close enough to the wiper blade, then wipe the blade clean with isopropyl alcohol or wiper cleaning fluid.
- If the wiper blades are still ineffective after cleaning, they may need to be replaced.



### Caution

- Care should be taken when lowering the wiper arm to prevent it from momentarily dropping on and hitting the windshield.



- Wiper blades are coated with a layer of graphite for smooth wiping without scraping noises. Cleaning agents containing solvents, hard sponges, and sharp objects can damage the graphite layer. A broken graphite layer will result in increased wiper scraping noises and should be replaced timely.
- Always check that the wiper blades are not frozen to the windshield before using the wipers in winter or cold weather. If so, de-ice first before using, otherwise, the wiper blades and wiper motor may be damaged.

## Interior Cleaning

### Interior Cleaning Description

**Check and clean the interior frequently to keep the interior looking neat and new and prevent premature wear and tear.**

#### Interior Glass

- Scratching or using any abrasive cleaning solution on the glass or mirror surface is strictly prohibited. Otherwise, the reflective surface of the mirror and the rear window heating element may be damaged.

#### Dashboard and Plastic Surfaces

- Polishing of the dashboard surface is strictly prohibited. Polished surfaces tend to reflect light and may interfere with driving visibility.

#### Cleaning the Seats

- Wipe the stain as soon as possible with a soft cloth dampened with warm water and neutral soap. Wipe gently in a circular motion, then dry with a soft lint-free cloth.

#### Seat Belt

- Pull out the seat belts and wipe them clean. Do not use any type of detergent or chemical cleaner. Pull out the seat belt and allow it to dry naturally.



## Carpet

Avoid using carpets that are too wet. For heavily soiled areas, use a diluted automotive interior cleanser.

## CID and IC

- Clean the CID and IC with a special clean lint-free soft cloth. Never use cleaning agents (such as glass cleaner), wet rags, or dry rags with static electricity (such as a freshly cleaned ultra-fine microfiber).
- Tap "🚗 → Display → Screen Cleaning" on the CID to wipe the CID after enabling cleaning mode. This way, you will not accidentally activate the buttons and change the settings.
- You can also activate the screen cleaning mode in the shortcut menu of the CID.



### Caution

It is forbidden to use corrosive liquids such as acids and alkalis, deoxidizing cleaning agents, and sodium hypochlorite (84 disinfectant) to clean the CID.

## Chrome-Plated Surfaces and Metal Surfaces

- Polishes, abrasive cleaners, or hard cloths can damage the chrome-plated surface and the finish of the metal surface.

## Foot Mats

- To extend the life of your vehicle carpet and for easy cleaning, please use genuine foot mats approved by XPENG. Clean the foot mats regularly and make sure they are properly installed. If the foot mats are excessively worn, please replace them promptly.



## Interior Cleaning Precautions

### Caution

- To avoid interfering with the pedals, make sure the driver's foot mat is properly secured. Do not stack other foot mats on top of it. Foot mats should always be placed on the carpeted surface of the vehicle.
- Do not wipe the door guard trim with wet wipes, wet cloths, cleaners, etc., and take care to prevent water from entering the door guard trim during use (e.g. during rain or car washing), as this may cause the internal electrical components to malfunction, etc.
- The use of solvents (including alcohol), bleach, citrus cleaners, naphtha, silicone-based products, or additives can damage the interior.

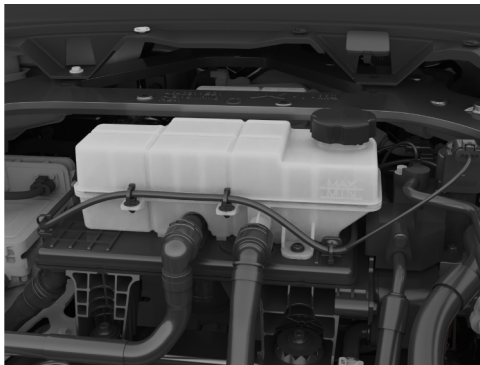
### Caution

- Static-charged substances can cause damage to the CID and dashboard.
- If you notice any damage to the airbags or seat belts, contact XPENG Service Center as soon as possible.
- Do not allow any water, cleaning agents, or fabrics to enter the safety belt unit.

## Coolant

### Coolant Level Check

The coolant level should be checked during the specified maintenance period.



Check the level markings on the side of the coolant reservoir:

- ▶ MAX: Upper limit marker
- ▶ MIN: Lower limit marker

The coolant level should be between the MIN mark and the MAX mark, if it is below the MIN mark, add XPENG-approved coolant promptly.

### Refill the Coolant



1. Use a suitable tool to remove the front compartment trim panel to access the coolant reservoir.
2. Unscrew the reservoir cap and fill it with coolant.
  - ▶ To maximize the performance and life of the traction battery, motor, and A/C system, a specific type of coolant should be chosen accordingly (with different



freezing points depending on the lowest temperature in the location).

### Brake Fluid

#### Brake Fluid Check

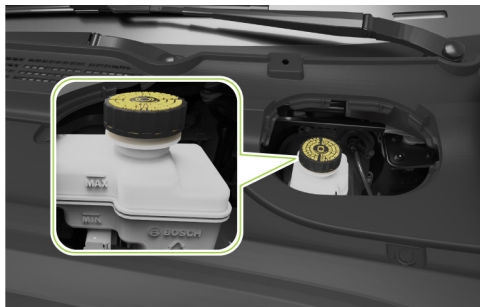
If the fluid level in the brake fluid reservoir falls below the recommended level, the brake indicator on the dashboard will issue an alarm. If the alarm is issued while driving, pull over if it is safe to do so and do not continue driving; also, contact XPENG Service Center as soon as possible.



#### Warning

- If you notice a loose brake pedal or significant loss of brake fluid, contact XPENG Service Center as soon as possible. Driving under these conditions may result in longer braking distances or complete braking failure.

- Brake fluid packaging containers are marked with brake fluid specifications, in all cases, the brake fluid in compliance with the vehicle specifications must be used, and new brake fluid must be used. Used brake fluid or unsuitable brake fluid is bound to deteriorate the braking effect and even lead to brake system failure. It is recommended to use the original brake fluid of XPENG.





Check the level markings on the side of the brake fluid reservoir:

- ▶ MAX: Upper limit marker
- ▶ MIN: Lower limit marker

The brake fluid level should be between the MIN mark and the MAX mark. If it is below the MIN mark, add the brake fluid approved by XPENG promptly.

- Add brake fluid to the MAX level (but do not exceed the MAX line). After adding brake fluid, install the cap.
- As brake fluid is toxic, comply with relevant environmental regulations when releasing or disposing of used brake fluid.

## Refill of Brake Fluid



1. Wrap a flat screwdriver in a cloth and pry off the reservoir upper trim panel.
2. Clean the reservoir cap first to prevent dust from entering.
3. Unscrew and remove the reservoir cap.
4. Fill with brake fluid approved by XPENG Motors until the brake fluid approaches the maximum (MAX) mark.



### Warning

- Use only new brake fluid contained in a gas-tight closed bottle. Do not use brake fluid that has been used or in an open container. Brake fluid can absorb moisture and reduce braking performance.
- Brake fluid is highly toxic. Containers must be kept sealed and out of reach of children. In case of accidental ingestion, seek immediate medical attention.
- Brake fluid can damage painted surfaces. Absorb brake fluid spills immediately with an absorbent cloth and wash with a cleaner-water mixture.
- Some models have components in the front compartment that block the brake fluid container, so it may not be possible to accurately check the brake fluid level. If necessary, please contact XPENG Service Center to help check.

### Warning

- The brake fluid level may drop slightly during the use of the vehicle due to brake friction pad wear and automatic adjustment, this is a normal phenomenon, no need to worry. However, if the fluid level drops significantly in a short period of time, drops below the "MIN" mark, or if the fluid reservoir needs to be filled frequently, it indicates that the brake system has a leakage fault. Please contact XPENG Service Center to check the braking system as soon as possible.
- If the fluid level drops below the specified level, the warning light will light up. The IC may display relevant text messages that prompt or warn the driver that certain actions must be performed immediately. In this case, stop immediately and do not continue driving. Please contact XPENG Service Center to check the braking system as soon as possible.



## Warning

- If the brake system warning light does not go off or goes on while driving, it indicates that the brake fluid level is too low. To prevent accidents, stop immediately and do not continue driving. Please contact XPENG Service Center as soon as possible.
- Brake fluid is absorbent, and the brake fluid constantly absorbs the moisture in the surrounding air in the use process. If the brake fluid contains too much water, it will corrode the brake system and greatly reduce the boiling point of the brake fluid, which may produce air resistance during emergency braking and worsen the braking effect. Therefore, the brake fluid must be replaced every 24 months, or less than 24 months if the mileage exceeds 40,000 km!

## Warning

- Do not store brake fluid in empty food containers, bottles, or any non-original brake fluid containers, otherwise, the brake fluid may be mistaken for food and lead to poisoning accidents!

## Windshield Washer Fluid

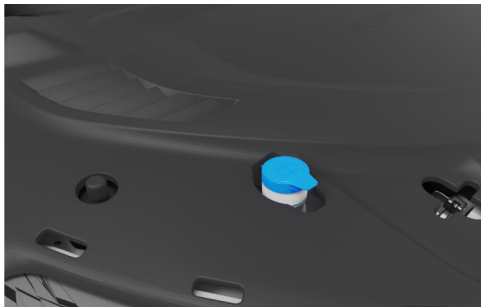
### Check Windshield Washer Fluid

Check the washer fluid regularly and add washer fluid to the reservoir in time if the level of washing liquid is found to be too low.

Regularly check the system, and check whether nozzles are clogged and whether the jetting is working properly.



### Refill of Windshield Washer Fluid



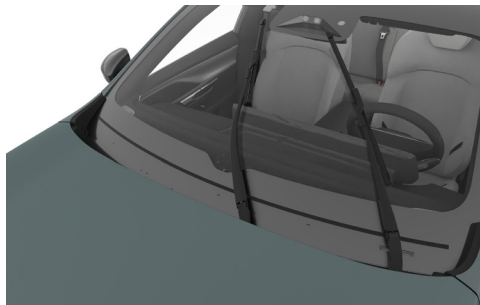
1. Clean the reservoir cap first to prevent dust from entering the reservoir.
2. Open the fluid reservoir.
3. Fill with washer fluid until you see the level almost reaches the fill port.

#### Warning

- Do not allow the windscreen washer fluid to spill onto the body panels. If it is accidentally splashed, wipe the spill immediately and clean the spill area with water.
- A non-alcohol glass washer fluid that meets the requirements of local regulations should be selected, and washer fluid with a freezing point below the local minimum temperature should be selected. The washer fluid that does not meet the standard may cause damage to the glass washer fluid pipeline.
- Never use the windscreen washer fluid that contains more than 10% ethanol, as this type of glass washer fluid may cause lamp cover to crack in hot environments.

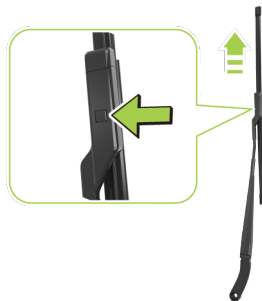
## Wiper Blade

### Replacement of Wiper Blade



1. Put the vehicle in P gear and keep the wiper off. Tap "🚗 → **vehicle settings** → **Front wiper service mode**" on the control screen to turn on the wiper maintenance mode, the wiper arm will move to the maintenance position, and the wiper arm will automatically return to the initial position after the wiper

maintenance mode is turned off.



2. Lift the wiper arm, press the lock button, and pull the wiper blade upward.
3. Install the new wiper blade back into the wiper arm in the reverse order, and you should hear a "click" sound indicating that it's in place.
4. Gently lower the wiper arm back to the



windshield.

5. Turn off the front wiper maintenance mode.

### Note

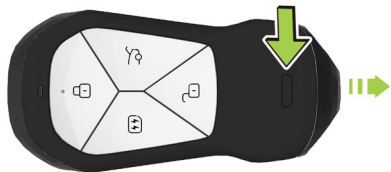
If wiper blades need to be replaced, please visit XPENG Service Center for replacement.

### Warning

Before replacing the wiper, the wiper maintenance mode must be turned on, otherwise, it will damage the vehicle.

## Key Battery

### Replacement of Key Battery



1. Press the lock button inward to remove the metal garnish rightward as indicated by the arrow.



2. Carefully flip the cover upward along its edges.



3. Remove the key battery.
  - Battery model: CR2032H.
4. Install in the reverse order.
  - Install the battery with the "+" (positive) terminal facing up.



### Caution

A low battery will affect the key remote control function. Please replace the battery in time.

## Vehicle Modification

### Parts and Modification

- Only genuine XPENG parts or approved parts are allowed to be used. XPENG conducts rigorous testing of components to ensure their suitability, safety, and reliability. These parts can only be purchased from XPENG Service Center, installed by an XPENG professional, and the vehicle can be modified according to the advice of an XPENG expert.
- Do not modify your vehicle with parts that are not approved by the original manufacturer

of XPENG Motors, as this may affect the operation, safety, and durability of your vehicle, as well as potentially violate local government regulations.

- Do not modify the vehicle suspension, braking, and other systems, which may adversely affect the driving safety of the vehicle.
- It is forbidden to modify the vehicle fuse box, otherwise, it may adversely affect the vehicle electrical system.
- Changes to electronic components and their software and wiring can affect their function and the proper functioning of other associated components, especially for safety-related vehicle systems, thus affecting the safety of the vehicle's operation and increasing the risk of accidents or injuries. Therefore, do not modify the wiring, electronic components, and software.



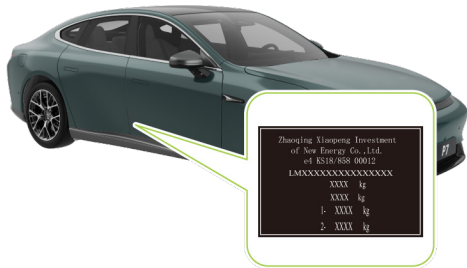


- In addition, vehicle damage and performance problems caused by replacement, installation, or modification using parts that are not original or approved by XPENG are not covered by warranty. XPENG will not bear any responsibility for the direct or indirect losses caused thereby.



## Vehicle Identification

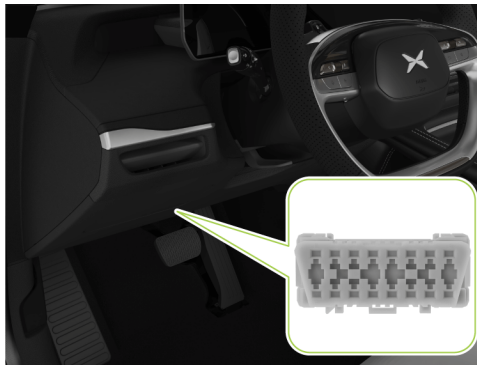
### Product Nameplate Description



- The product nameplate is located on the B-pillar of the front passenger's door.

## Diagnostic Interface

### OBD Interface

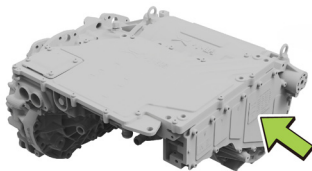


The OBD interface is located on the lower left of the dashboard and allows you to read the electronic VIN number and other information through an original diagnostic device or an official authorized diagnostic device.

## Drive Motor

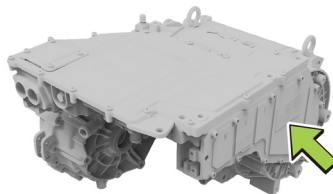
### Drive Motor Model and Code

#### Front Drive Motor \*



- The front drive motor model and code are presented on the drive motor housing and the drive motor label.

#### Rear Drive Motor

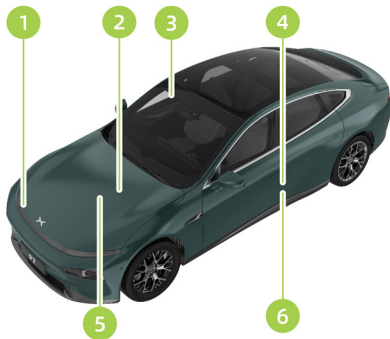


- The rear drive motor model and code are presented on the drive motor housing and the drive motor label.



## Labels

### Label positions



1. Cooling fan label
2. A/C system label
3. Airbag label
4. Tire pressure label

5. Side airbag label

6. Coolant label

### Label Information

冷轮胎充气气压 COLD TIRE INFLATION PRESSURE			
型号 Size	轮胎 Tire	气压 Pressure kPa/Bar	
		空半载 Normal load	满载 Maximum load
245/50 ZR18	前 Front	250/2.5	250/2.5
	后 Rear	270/2.7	270/2.7
245/45 R19	前 Front	250/2.5	290/2.9
	后 Rear	270/2.7	290/2.9

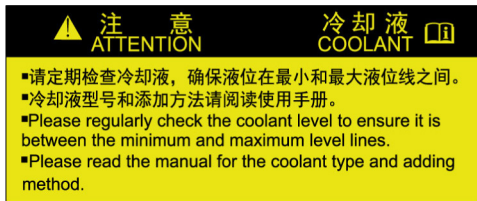
1. Tire pressure label.



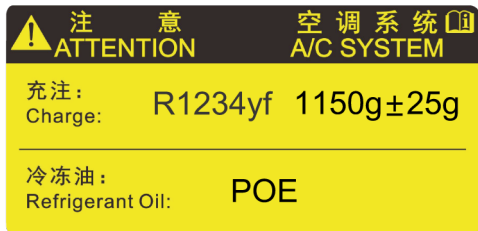
## 2. Side airbag label.



## 3. Cooling fan label



## 4. Coolant label.



5. Air conditioning system label.



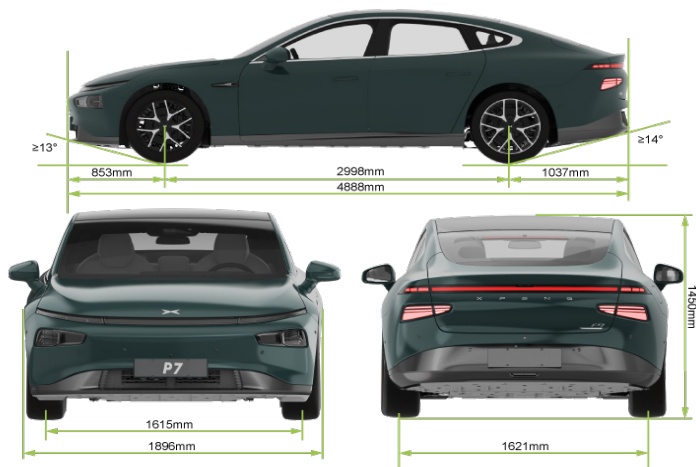
6. Airbag label.

# Vehicle Specifications



## Vehicle Parameters

### Exterior Dimensions





## Vehicle Specifications

Item		P7	Unit
Exterior Dimensions	Length	4888	mm
	Width	1896	
	Height	1450	
Track	Front Track	1615	
	Rear Track	1621	
Wheelbase		2998	
Front Overhang		853	
Rear Suspension		1037	
Number of Occupants		5	Persons
Approach Angle (Full Load)		$\geq 13$	°
Departure Angle (Full Load)		$\geq 14$	

Exterior rear-view mirrors (one for the left side and one for the right side) are not included in exterior width and the tolerance range of vehicle size parameters  $\pm 1\%$ .





## Weight

Item		Type I	Type II	Unit
Vehicle Curb Mass		2020	2140/2180	kg
Kerb Weight	Front axle	911	1029/1052	
	Rear axle	1109	1111/1128	
Maximum Total Mass		2450	2570/2600	
Maximum total mass	Front axle	1026	1146/1172	
	Rear axle	1424	1424/1428	

Tolerance ranges  $\pm 3\%$  for mass, excluding maximum total mass.



## Overview Parameters

Item	P7	Unit
Minimum Turning Diameter	$\leq 11.7$	m
Maximum Speed	$\geq 200$	km/h
Maximum Gradient	$\geq 30$	%



## Types and Parameters of the Powerchain

Type of Drive		Rear Engine, Rear Drive	Four Wheel Drive		Unit
Drive motor	Rated Power	80	Front: 20	Rear: 80	kW
	Rated Torque	175	Front: 40	Rear: 175	N·m
	Rated Speed	4400	Front: 4775	Rear: 4400	rpm
	Peak Power	203	Front: 145	Rear: 203	kW
	Peak Torque	440	Front: 317	Rear: 440	N·m
	Peak Speed	14,000			rpm
Final Drive	Model	1eDT400C	Front: 1eDT300A	Rear: 1eDT400C	/
	Type	Intermediate reducer			/
	Final Reduction Drive Ratio	8.782	Front: 8.604	Rear: 8.782	/



### Steering Gear

Item		Parameter	Unit
Type		Electric power assisted	/
Maximum Steering Angle of Front Wheels	Interior	40.4	°
	Exterior	33.4	°



## Braking System

Item		Parameter	Unit
Type		Hydraulic diagonal arrangement	/
Type of Assist		Electric power assisted	/
Brake Pedal	Travel	113 (power-on with assisted power)	mm
		40 (power-off without assisted power)	
	Free travel	≤ 2	mm
Wear limit of brake pad for the front wheel (excluding the backing plate for brake pad)		2.0	mm
Wear limit of brake pad for rear wheel (excluding the backing plate for brake pad)		2.0	mm
Brake Fluid Replacement Period		24 months or 40,000 km (whichever is earlier)	



## Main Parameters of Traction Battery

Item		P7	Unit
Cell	Type	NCM	/
	Rated Voltage	3.68	V
	Rated Capacity	122.00	Ah
Traction Battery	Rated voltage	353.28	V
	Rated capacity	244.00	Ah
	Rated Energy	86.20	kWh
	Mass (with Underbody Guard)	545.00	kg



## Suspension

Item	P7
Front Suspension Type	Double-wishbone independent suspension
Rear Suspension Type	Multi-link independent suspension



### Oil/Fluid Filling Volume

Item	Model	Filling Volume
Front Reducer Oil	BOT350M3	$0.8 \pm 0.03$ L
Rear Reducer Oil		$0.9 \pm 0.03$ L
Coolant	Mixture of ethylene glycol and water	2WD: 16 L
		4WD: 17.5 L
AC Refrigerant	R1234yf	$1150 \pm 25$ g
Brake Fluid	DOT4	$750 \pm 50$ ml
Windshield Washer Fluid	/	3.5 L





## Four-Wheel Alignment Parameters

Item	2WD	4WD
Single-Sided Front Wheel Toe-In	$0.067^{\circ} \pm 0.083^{\circ}$	$0.061^{\circ} \pm 0.083^{\circ}$
Total Left and Right Wheel Toe-In	$0.134^{\circ} \pm 0.083^{\circ}$	$0.122^{\circ} \pm 0.083^{\circ}$
Single-Sided Front Wheel Camber Angle	$-0.433^{\circ} \pm 0.333^{\circ}$	$-0.45^{\circ} \pm 0.333^{\circ}$
Difference in Camber Between Left and Right Wheels	$0.333^{\circ}$	$0.333^{\circ}$
Single-Sided Kingpin Caster	$6.46^{\circ} \pm 0.8^{\circ}$	$6.5^{\circ} \pm 0.8^{\circ}$
Single-Sided Kingpin Inclination	$7.97^{\circ}$	$7.9^{\circ}$
Single-Sided Rear Wheel Toe-In	$0.05^{\circ} \pm 0.083^{\circ}$	$0.051^{\circ} \pm 0.083^{\circ}$
Total Left and Right Wheel Toe-In	$0.1^{\circ} \pm 0.117^{\circ}$	$0.12^{\circ} \pm 0.117^{\circ}$
Rear Wheel Camber Angle	$-1.087^{\circ} \pm 0.333^{\circ}$	$-1.125^{\circ} \pm 0.333^{\circ}$
Difference in Camber Between Left and Right Wheels	$0.333^{\circ}$	$0.333^{\circ}$

The kingpin inclination is not subject to tolerance requirements due to the large measurement deviation and the strong correlation with the wheel camber angle, so it is only for reference.



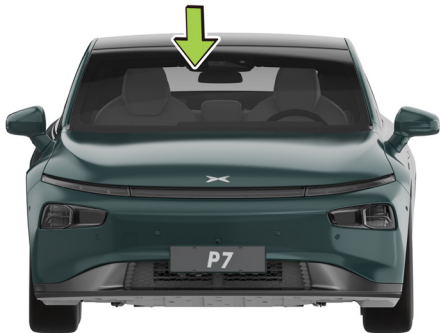
### Tire

Tire		245/50 ZR18	245/45 R19	Unit
Rims		18 × 8J	19 × 8J	/
Pressure	Front wheel (empty half load/full load)	250/250	250/290	kPa
	Rear wheel (empty half load/full load)	270/270	270/290	kPa
Wheel Balancing (After Applying Balancing Blocks)	Front tires interior	≤ 8		g
	Front tires exterior	≤ 8		
	Rear tires interior	≤ 8		
	Rear tires exterior	≤ 8		



## Microwave Window

The microwave window is on the front windshield, as shown in the illustration. Please keep the front windshield clean so as to ensure the best results and minimize interference with the driving view.



### Warning

The location of the microwave window shall not be shielded.

The necessary markings required by traffic regulations shall be pasted around the microwave window.

## Event Data Recorder (EDR)

This vehicle is equipped with an event data recorder (EDR).

The EDR can automatically record vehicle operation and vehicle safety system status information for a period of time before and after a vehicle event, for example:

- Vehicle speed.
- Braking status when driving, it's on or off.
- Driver's seat belt status.
- The opening percentage of the accelerator pedal.



- The power-on cycle (from the latest start time) during an event.
- Readout the power-on cycle information.
- The overall of Event data records.
- The time interval between this event and the last event.
- Longitudinal acceleration.
- Obtain consent from the owner or lessee of the vehicle.
- Use in a lawsuit in compliance with the official requirements of the police, court, or other government departments.

**Collecting and analyzing the vehicle data recorded by the EDR can help to understand the situation before and after the event.**

The data recorded by EDR needs to be extracted using dedicated diagnostic equipment connected to the OBD interface of the vehicle. If necessary, please contact the XPENG Service Center to obtain the equipment.

### **Data Use Statement**

The EDR data may be used by XPENG for troubleshooting, product development, and quality improvement. XPENG will not disclose EDR data to third parties except for the following:



## Contact XPENG

### Introduction

If you have any questions during the use of the vehicle, please contact the XPENG Service Center or call the Customer Service Center.

Customer Service Center Tel:

Denmark: +45 78 72 43 43

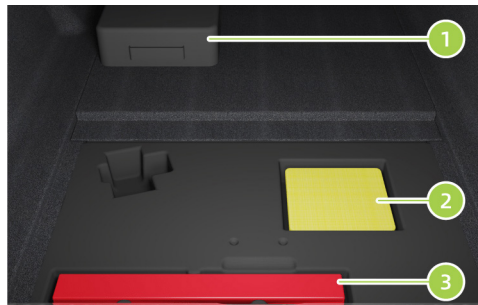
Netherlands: +31 20 26 26 822

Sweden: 08 121 606 08

Norway: +47 800 17 060

## Emergency Devices

### Inside Trunk



1. The emergency tire-repair kit (including traction hook)
2. Safety vest
3. Warning triangle



### Emergency Tire Repair

#### Emergency tire repair

The vehicle is not equipped with a spare tire but an inflatable tire repair emergency kit is included with the vehicle.

The emergency tire-repair kit includes an inflatable pump and a can of tire sealant (for one tire only). When injected into the tire, the tire sealant will penetrate into small punctures on the tire not exceeding 6 mm in size for a emergency repair.



#### ⚠ Caution

- Where tire puncture is greater than 6 mm, or in case of severe tread damage, sidewall damage, tire tear, or falling off from the hub, please contact the XPENG Service Center.



#### Caution

- The emergency tire-repair kit is used for a single-tire temporary repair only, and the damaged tire must be repaired or replaced as soon as possible.
- If the tire has been temporarily repaired with tire sealant, its running speed shall not be faster than 80km/h.
- Please read and follow all the warnings and prompts on the emergency tire-repair kit.
- If a flat tire is found, do not continue driving, or you may cause a serious injury.

**The product expiration date is printed on the outside surface of the tire sealant. If the service life expires, the tire sealant can not work as expected. Be sure to purchase a new tire sealant.**

#### Warning

- Do not use any tire sealants purchased from other channels, otherwise, it may cause the failure of the tire pressure sensor.
- Be sure to read and follow the safety and operation instructions for the tire sealant.
- Prevent children from touching the tire sealant.

## Tire Sealant

The tire sealant, specially designed for XPENG in the emergency tire-repair kit, makes no damage to the tire pressure sensor. Therefore, it can only be replaced with tire sealant of the same type and capacity. Tire sealant can be purchased from XPENG Service Center.



### Warning

- If the tire sealant comes into contact with your eyes, please rinse with clean water immediately and seek medical attention.
- In case of accidental ingestion of the tire sealant, seek medical attention immediately.
- In case of accidental inhalation of the tire sealant, breathe fresh air immediately to avoid breathing disturbance and seek medical attention immediately.

### Tire Inflation

Temporarily repair small tire punctures (less than 6 mm) by following these steps:



1. Take out the emergency tire-repair kit from the trunk.





2. Take out the inflatable pump and tire sealant from the emergency tire-repair kit.



3. Make sure the switch is off at this time. Loosen the sealant injection tube on the tire sealant can, align the can docking interface with the bayonet socket on the pump body, and push it in horizontally. After installation, connect the inflation tube to the can.
4. Connect the sealant injection tube to the leaking tire.



5. Insert the electrical source plug into the on-board cigarette lighter socket and power on the vehicle.



6. Turn on the power switch button (black) and start injecting sealant into the tire. At this time, the value of the pressure gauge will first rise above 4 bar, and then slowly drop to the pressure of the leaking tire. When the tire

pressure reaches the recommended value, turn off the power switch, and then pull out the sealant injection tube, inflation tube, and the electrical source plug.

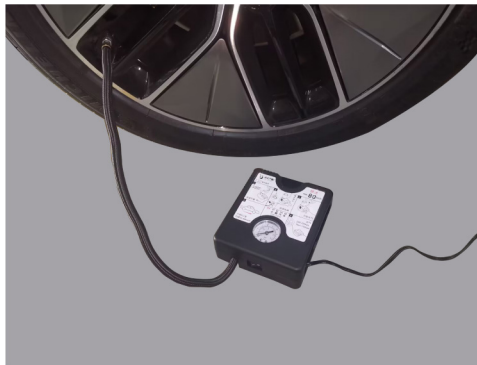
7. Restart the vehicle and drive the vehicle for 3-5 km at a speed below 30 km/h.
8. Park the vehicle in a safe place and connect the inflation tube to the tire again.
9. Observe the tire pressure value, if there is a significant drop, inflate it. Then drive for 3-5 km and check the tire pressure. If the tire pressure still drops significantly, it means that the tire is seriously damaged, which is beyond the scope of use of this product. Please understand any inconvenience.
10. Remove the "80" sticker attached to the sealant can and stick it on the steering wheel to remind the driver that the speed of the vehicle should be kept within 80 km/h after using this product.



## Inflation Only



1. Take out the emergency tire-repair kit from the trunk.
2. Take out the inflatable pump from the emergency tire-repair kit.



3. Take out the inflation tube and attach it to the tire.
4. Insert the electrical source plug into the on-board cigarette socket and power on the vehicle.

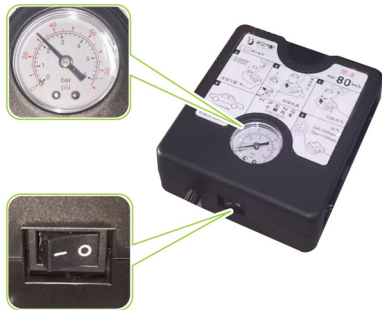


### Vehicle Power-Off Operation

#### Conventional Power-Off

When the vehicle is powered on or in the READY status, if the driver's seat is not occupied and all doors (including the front hatch and trunk cover) are closed, the following operations will power off the vehicle:

- Lock the vehicle with the smart key.
- Lock the vehicle with XPENG APP.



5. Turn on the power switch button (black), inflate the tire, and observe the air pressure gauge. Turn off the switch when the tire pressure reaches the recommended value, and pull out the inflation tube and electrical source plug.



## Emergency Power-Off



The vehicle can be powered off in an emergency when the driver's seat is occupied or the door is open.

- When the vehicle is stationary, press and hold the emergency power-off switch for 5 s to power off directly.

- In the case of vehicle speed, press and hold the emergency power-off switch for 5 s, and a prompt pop-up window will appear on the instrument cluster, and the vehicle can be powered off only after tapping to confirm.

## Automatic Power-Off

The driver seat is unoccupied, with the vehicle parked and all doors, charging covers, and trunk closed, the vehicle will be powered off automatically after 1 h of no operation.

In the last 10 min of the countdown for automatic power off, a pop-up window will be displayed on the CID. You can tap to cancel and restart the 1-hour countdown.

## Rescue and Protection Kit

### Rescue and Protection Kit

The vehicle power system is equipped with a traction battery, which may cause high-voltage leakage in the event of a serious collision.



Therefore, the vehicle shall be operated by professional rescue personnel wearing appropriate protective equipment for safety reasons.

### Warning

- Make sure you do not wear metal accessories (such as a necklace and a watch) when carrying out a rescue for the vehicle to avoid electric shock injuries.

### Electrical Protection

Wear the following protective equipment to avoid injuries from high voltage shock:

- Insulated rubber gloves (for protection against 500V or above).
- Protective goggles.
- Insulated rubber shoes.
- Tools with insulated protective sleeves.

### Chemical Protection

In case of an electrolyte leak from the traction battery, wear the following protective equipment to prevent injuries to the skin, face, and other body parts:

- Protective masks.
- Solvent insulated gloves.

### Collision Protection

### Collision Protection

The vehicle has the functions of cutting off and releasing high voltage. If a collision meets the conditions of triggering collision protection, the vehicle will automatically cut off the high-voltage power supply. At the same time, it will remind the occupants to leave the vehicle as soon as possible by sound, text, and other means, thereby avoiding disasters and injuries.



## Security Guide

### Security Guide

In the event of a vehicle failure or accident, the driver should turn on the hazard warning lights, wear a reflective vest, and place warning triangles to warn vehicles behind.



1. Park the vehicle in a safe place and turn on hazard warning lights.
2. Take out the reflective vest from the trunk and put it on.



3. Take out the warning triangle from the trunk.
4. Place the warning triangle at the rear of the vehicle.



### Warning triangle placement

Normal roads		Highway
Daytime	Nighttime	
≥ 50 m	≥ 80 m	

### Feeding

#### Feeding

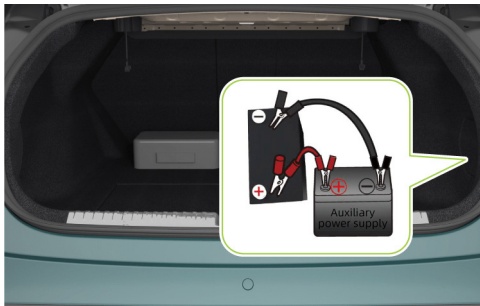
If the power of the 12 V battery is too low to start the vehicle, it can be fed with an external power supply.

### Connect the cable



1. Open the trunk cover.





2. Pry up the decorative cover of the battery.
3. Connect one end of the red cable to the positive (+) terminal of the vehicle's 12 V battery and the other end to the positive (+) terminal of the auxiliary external power supply.
4. Connect one end of the black cable to the negative (-) terminal of the vehicle's 12 V battery and the other end to the negative (-) terminal of the auxiliary external power supply.

5. Start the vehicle. After it started successfully, remove the connected cables in reverse order.

**Warning**

- Improper use of connecting cables may lead to the explosion of a 12V battery, causing severe personnel injury.
- The voltage and capacity of the auxiliary power supply must be the same as those of the vehicle's 12V battery; otherwise, it may cause an explosion.
- The 12V battery shall not be exposed to open flame or static electricity; otherwise, the flammable gas produced by the 12V battery may be ignited by a spark and cause an explosion.
- Do not touch high-voltage parts during operation to prevent injury from high-voltage electric shock.



## I. Limited Warranty

### 1. Scope of Warranty

This Warranty and Maintenance Manual (hereinafter referred to as the “Manual”) applies to the XPENG series models purchased by customers in the European Union. During the vehicle Limited Warranty Period as defined below, XPENG European Holding B.V. registered at Hoogoorddreef 11, 1101 BA, Amsterdam, under the registration number: 862200623 (hereinafter referred to as “XPENG”) warrants the vehicle against quality defects in design, workmanship or raw materials, and shall bear the spare parts costs and maintenance man-hour costs arising therefrom (except for the items specified in the Warranty Disclaimer).

The intention of this Manual is to state the scope of the warranties. In the event any of the warranties provided in this Manual should be limited or deviated from what otherwise is required according to applicable local (consumer) law, of the country where the consumer bought its vehicle, the latter shall prevail. For clarity, nothing in this Manual shall limit a consumer’s statutory rights pursuant to the local laws (as applicable). Instead of invoking the warranties described in this Manual, it is also possible to invoke the warranty that is applicable under the local consumer law of the country where the consumer bought its vehicle.



## 2. Warranty Period

This Manual applies to vehicles registered on or after the 1 January 2023. The key parts, consumable parts, whole vehicle parts and special warranty items are covered by different warranty periods as described in this Manual. For more details, please refer to the table below:

Category	Content	Limited Warranty Period
Warranty Period for Key Parts	HV battery and battery management system (BMS), drive motor and intelligent power unit (IPU)	96 months or 160,000 km
Warranty Period for Consumable Parts	Wiper blades	6 months or 5,000 km
	12V battery, smart key batteries, light bulbs, fuses, air conditioning filter elements, brake pads, and tires	12 months or 20,000 km
Warranty Period for Whole Vehicle (Basic warranty)	Original whole-vehicle parts other than key parts, consumable parts and special warranty items	60 months or 120,000 km
Special Warranty Items	Paint	36 months with unlimited mileage
	Sheet metal anti-corrosion and anti-rust coating	144 months with unlimited mileage.

Note: The HV battery warranty covers a minimum capacity for a period of 96 months or 160,000 km from the date of first registration, whichever comes first. This warranty covers repairs needed to return the battery capacity to at least 70% of the original battery capacity.



Sheet metal anti-corrosion and anti-rust coating: The limited warranty for body rust only covers rust perforations (holes that pass through the body panels from the inside out due to defects in materials or workmanship);

The above-mentioned warranty periods for key parts, consumable parts, whole vehicle and special warranty items start from the date of delivery and end at the time or mileage limit, whichever occurs first. If there is a separate agreement on the warranty periods for accessories or other products, the warranty periods specifically agreed for such accessories or products shall prevail.

It is advisable to have your vehicle inspected and maintained at a Service Center designated by XPENG in accordance with the requirements and frequency specified in this Manual, in order to keep your vehicle in optimum condition.

### 3. Transfer of Ownership

The vehicle limited warranty set forth in this Manual shall not be subject to change by the transfer of ownership of the vehicle, but the vehicle limited warranty period shall still start on the date of the first delivery to the original owner



## II. Limited Warranty for Replaced Parts

The original parts (parts supplied by XPENG or third-party suppliers designated by XPENG for new vehicle repair and maintenance as a part of the vehicle) that are recommended by XPENG for customers to maintain the safety and performance of the vehicle and replaced at a facility of a Service Center authorized by XPENG (hereinafter referred to as a “Service Center”) are covered by the limited warranty service for parts as described below. During the limited warranty period for parts, XPENG warrants the covered parts of the vehicle against quality defects in design, workmanship or raw materials during normal use. Replaced parts are covered by different warranty periods, depending on the circumstances of the parts replacement, including:

### 1. Original parts replaced due to non-quality issues

Original parts that are replaced at a Service Center due to any reason other than quality defects in design, workmanship or raw materials are covered by a limited warranty period of 12 months or 20,000 km for the vehicle mileage (whichever occurs first) from the date of completion of the repair by the Service Center, wiper blades are covered by a limited warranty period of 6 months or 5,000 km for the vehicle mileage (whichever occurs first) from the date of completion of the repair by the Service Center.

### 2. Original parts replaced due to quality issues

Original parts that are replaced by a Service Center for free due to quality defects in design, workmanship or raw materials are warranted for the remaining limited warranty period as those replaced defective parts, and will not be warranted any more as the remaining limited warranty period of those replaced parts expires.



## III. Warranty Disclaimer

Any malfunctions or incidental damages resulting from the following situations are not covered by the warranty described in this Manual:

01. Systems or parts that are not allowed to be modified, adjusted, or disassembled according to the user manual of your vehicle, but are damaged due to the customer's self-modification, adjustment, or disassembly.
02. Damages caused by the customer's improper handling of the vehicle in the event of quality issues.
03. Force majeure or factors beyond the control of XPENG:
  - Damage or indirect damage caused by accidents, human factors, environmental factors such as natural disasters, or other force majeure factors including, but not limited to, exposure to sunlight, airborne chemicals, tree sap, animal or insect droppings, road debris (including stone chips), industry fallout, rail dust, salt, hail, floods, acid rain, fire, water, contamination, lightning, explosion, earthquake, and windstorms;
  - Product malfunctions caused by abnormal operating conditions (such as decreased remote control range, and remote control failure resulting from environmental electromagnetic interference);
  - Malfunctions that occur outside of the warranty period as described in this Manual;
  - Damages to the HV battery caused by normal capacity fading, man-made or accidental collision, water, etc.
04. XPENG shall not be liable for the following costs incurred for:
  - Any repair, alteration or modification of the vehicle, or the installation or use of fluids, parts or accessories, made by a person or facility not authorized or certified to do so.



- Improper repairs or maintenance work (other than that carried out at a Service Center or repair facility authorized by XPENG), including use of fluids, parts or accessories other than those specified in the customer's owner documentation.
  - Improper towing of the vehicle.
  - Improper winch procedures.
  - Theft, vandalism, or riot.
  - Driving over uneven, rough, damaged or hazardous surfaces, including but not limited to, curbs, potholes, unfinished roads, debris, or other obstacles, or in competition, racing or autocross or for any other purposes for which the vehicle is not designed.
  - Overloading the vehicle.
  - Using the vehicle as a stationary power source.
  - Economic and time losses caused by the inability to use the vehicle;
  - Vehicle storage or rental fees;
  - Accommodation, meals, and other travel expenses.
05. Damages caused by the customer's failure to properly clean, maintain, store, use, or repair the vehicle in accordance with the user manual of the vehicle or product instructions. Such as:
- Improper maintenance or the use of lubricants or additives other than those we recommend in the user manual;
  - The use of non-original spare parts (original spare parts: supplied or agreed by XPENG);
  - Maintenance that is not completed within the time and mileage recommendations, as those described in this Manual and the user manual,



- Improper use and maintenance of the vehicle. If the vehicle has been used in severe driving conditions without following the additional maintenance steps specified in the user manual.
- Cannot provide evidence that you have properly maintained your vehicle, such as vehicle maintenance records and receipts;

06. The following is not covered by the limited warranty:

- Corrosion caused by defects in materials or workmanship not manufactured or supplied by XPENG, resulting in perforated body panel or chassis from the inside out;
- Perforated body panel or chassis from the outside in caused by surface or cosmetic corrosion caused by stone chips or scratches;
- Corrosion caused by accidents, abuse, negligence, and/or improper operation;
- Damages caused by vehicle maintenance or operation, installation of accessories, exposure to chemical substances, natural disasters, fire, or improper storage.
- Normal deterioration.
- Normal wear, tear or deterioration such as discoloration, fading or deformation.
- Surface corrosion on any part other than the sheet metal panels on the exterior body.
- Gradual wearing of mechanical components in proportion to mileage.
- The adjustment of doors, bonnets and tailgates.
- Normal maintenance
- XPENG will not cover costs for normal maintenance services described under 'Regular Maintenance' in this Manual and 'maintenance' in the user manual, such as:
- inspection





- cleaning and polishing
- minor adjustments
- lubrication
- oil/fluid changes
- replacement of filters
- anti-freeze coolant refill
- wheel alignment and tyre rotation
- unless these are carried out as part of a repair under warranty according to this Manual.

07. Vehicle categorised as “total loss” or “insurance write off”

- XPENG will not undertake warranty obligations for vehicles categorised as “total loss” or “insurance write off”.

08. Other damages to vehicle not caused by vehicle quality issues.



### IV. Dispute Resolution

In the event that any disputes, differences or controversies arise between the customer and XPENG related to this Manual, XPENG will explore reasonable possibilities for an amicable settlement.

If a dispute or claim cannot be resolved amicably, either XPENG or the customer may submit their claim to the competent court.



## V. Warranty Precautions

### 1. Warranty Certificates

- a. If you have lost this Manual, please contact XPENG for a replacement in time. After the replacement, you will continue to enjoy relevant warranty services.
- b. The vehicle sales invoice, this Manual and repair orders and invoices are important certificate documents for you to enjoy the warranty as described in this Manual. XPENG reminds you to keep them properly to prevent loss or damage.

### 2. Repair and Maintenance Records

If repair or maintenance services are performed on your vehicle, you should keep the relevant documents such as the repair order and invoice, which will be an important evidence to prove that your vehicle has been subject to relevant repair or maintenance services in accordance with the user manual of your vehicle or this Manual.

### 3. Maintenance Time

When having your vehicle repaired or maintained at a Service Center, a reasonable and sufficient time has to be allowed for the Service Center to complete the repair of maintenance services. The Service Center will repair and return your vehicle to you as soon as possible.

### 4. Maintenance Plan

While complying with relevant laws and regulations, XPENG and the Service Center are entitled to develop a specific repair or parts replacement plan pursuant to technical requirements and the actual situation of your vehicle. Parts replaced under warranty belong to XPENG.



### 5. Product Change

XPENG reserves the right to make design changes to the vehicles it produces, and is not obliged to implement any identical or similar changes to any sold vehicle.

### 6. Recall

In the event of product recall, XPENG will provide a reasonable maintenance plan based on the product defects. Under normal circumstances, the defects can be resolved by repairing or replacing parts. In order to eliminate the defects of the vehicle as soon as possible and to ensure that you can drive your vehicle safely, please actively cooperate with XPENG and the Service Center to accept relevant repair or maintenance services after receiving the recall notice or being informed of the recall information through official channels.

### 7. Miscellaneous

Every XPENG vehicle is a highly smart electric vehicle involving many advanced technologies. Therefore we strongly advise you to carefully read the user manual of your vehicle and this Manual before using your vehicle, and drive and maintain your vehicle as suggested. You should inform a Service Center in advance before having any other party than a Service Center perform emergency maintenance on your vehicle.

If you have any questions about the users' rights or obligations concerning the warranty described in this Manual, please contact a Service Center directly.



## I. Necessity of Maintenance

01. Routine maintenance for your vehicle is necessary to ensure proper use and pleasant driving experience, improve the efficiency and reliability of vehicle, and reduce potential maintenance costs.
02. For the daily maintenance services that can be performed by yourself as clearly specified in the user manual of your vehicle, you can complete those services in accordance with the relevant instructions in the user manual.
03. In view of the system complexity of your vehicle and strict after-sales service requirements specified in national laws and regulations for electric vehicles, XPENG hereby strongly recommends you have your vehicle regularly maintained at a Service Center.
04. If you have any questions about how to maintain your vehicle, please contact a Service Center directly.

## II. Daily Maintenance, Precautions and Recommended Use

- a. The range of your vehicle is related to the level of discharge. To avoid the performance degradation of the HV battery caused by discharging the HV battery too much, XPENG recommends you to recharge the battery in time and ultimately when the low battery warning light on your CID is on.
- b. The actual range of your vehicle will decrease as the age of the HV battery increases.
- c. The range of your vehicle depend on various conditions such as weather conditions, load factor, driving style and the use of accessories such as heating or air conditioning.
- d. At extreme temperatures (both hot or cold) and low power levels, sluggish acceleration or lack of power may occur due to the characteristics of the HV battery.
- e. Have your vehicle maintained regularly.



- f. Keep the tire pressure at the level that is advised in the user manual of your vehicle.
- g. Try to avoid using your vehicle in hot or cold climates.
- h. Do not leave your vehicle parked for too long after you've finished using it during the winter, and charge it as soon as possible.
- i. Remove unnecessary items to reduce the load factor on your vehicle.
- j. When necessary, turn off high-power electrical appliances such as air conditioner or adjust the heating/cooling temperature to reduce the energy consumed and increase the range.
- k. At high speeds, close the windows to reduce air resistance and power consumption.
- l. Keep your driving speed steady.
- m. When accelerating, press the accelerator pedal gently.
- n. When decelerating, release the accelerator pedal. If emergency braking is not necessary, do not press the brake pedal or gently press it to obtain as much braking energy recovered as possible and increase the range.



## III. Regular Maintenance

Have your vehicle maintained at an interval of 12 months or 20,000 km, and perform the second column of maintenance items every 24 months or 40,000 km (e.g. 24 months or 40,000 km, 48 months or 80,000 km, 72 months or 120,000 km). The coolant is recommended to be replaced every 72 months or 120,000 km. The following items in the table shall be performed depending on service time/mileage, whichever occurs first.

To keep your vehicle in good condition, recommended maintenance services shall be performed as needed. For example, maintain or replace the AC filter element in case of too much dirt or poor filtration performance.

System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
HV Battery System	HV battery appearance	V	V
	Odor inspection	V	V
	High voltage connector and wiring harness	V	V
	Low voltage connector and wiring harness	V	V
	Bolt torque	V+T	V+T
	Breath valve	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Motor System	Front/rear motor appearance	V	V
	Connectors & wiring harness	V	V
	Coolant pipeline	V	V
	Mounting rubber and bolt torque	V	T
Two-in-one vehicle power supply	Charger & Converter appearance	V	V
	High voltage connector and wiring harness	V	V
	Low voltage connector and wiring harness	V	V
	Coolant pipeline	V	V





System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Electrical Control System	Visual inspection of motor compartment	V	V
	HV connector and wiring harness in motor compartment	V	V
	LV connector and wiring harness in motor compartment	V	V
	Super charging/ Low charging port and wiring harness	V	V
	12V-Battery	V	V
	Lighting and signals	V	V
	Interior lights and ambient lights	V	V
	Multifunction steering wheel	V	V
	XPilot system	V	V
	Seat memory and adjustment	V	V
	Door opening/closing function	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Electrical Control System	Window functions	V	V
	Power supply and USB	V	V
	Horns	V	V
	CID functions	V	V
	Passive entry and passive start (PEPS)	V	V
	Remote door lock	V	V
	Interior and exterior rear-view mirrors	V	V
	CID information and faults	V	V
	Vehicle software version	V + A	V + A
Braking System	EPB	V	V
	Brake caliper and cylinder	V	V
	Brake fluid	V	R
	Brake pipelines	V	V
	Brake stroke	V	V
	Brake switch	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Braking System	Hydroboost and connectors	V	V
	Brake disc	V	V
	Front and rear brake pads	V	V
Steering System	Free play of steering wheel	V	V
	Steering column adjustment	V	V
	Steering motor	V	V
	Steering shaft and dust cover	V	V
	Tie rod ball joint and dust cover	V	V
	EPS function	V	V



## Maintenance Guide

System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Body System	Front and rear windshields, door glass and sunroof glass	V	V
	Washing wipers	V	V
	Washing fluid	S	S
	Seats and slider tracks	V	V
	Door locks, hinges and stoppers	V + L	V + L
	Hood lock, trunk lid latch and hinges	V + L	V + L
Body System	Struts for hood and trunk lid	V	V
	Childproof locks	V	V
	Seat belts and seat belts reminders	V	V
	Seals and weatherstripping for doors	V	V
	Interiors	V	V
	Body rust condition	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Drivetrain & Suspension System	Reducer appearance	V	V
	Reducer oil (replace every 48 months/80,000 km)	V	V
	Drive shaft and dust cover	V	V
	Tires, rims and bolts torque	V + T	V + T
	Tire rotation (if applicable)	V + A + T	V + A + T
	Tire eccentric wear (alignment adjustment if necessary)	V	V
	Wheel bearings	V	V
	Front and rear suspension	V	V
	Shock absorbers and springs	V	V
Drivetrain & Suspension System	Chassis bolts torque	V + T	V + T



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Cooling System	Coolant (replace every 72 months/120,000 km)	V	V
	Cooling pipeline	V	V
	Water pump	V	V
	Radiator	V + C	V + C
	Shutter	V	V
	Cooling fan	V	V
A/C System	A/C function inspection	V	V
	A/C evaporator drain pipe	V	V
	Compressor	V	V
	A/C pipeline	V	V
	A/C condenser	V + C	V + C
	PTC wiring harness	V	V
Recommended Maintenance Items (as needed)			



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
/	Wiper blades (every 3 months or 5000 km)	R	R
	Tire pressure and eccentric wear check (every 3 months or 5000 km)	V + A	V + A
Air Conditioner	HEPA A/C filter element /A/C filter element	C	R
	It is suggested that replacement period shall not exceed 2 year, depending on local air quality		



The following maintenance services are determined based on normal driving conditions. If you often drive under harsh conditions, please have your vehicle maintained more frequently. For more details, please contact XPENG or a Service Center when you are:

- a. driving in a highly dusty environment.
- b. driving at extremely cold (below 0 °C) or high temperatures (above 40 °C).
- c. driving in wet conditions or wading in water frequently.
- d. driving on roads with a lot of salt or corrosive materials.
- e. braking frequently or driving in mountainous areas.
- f. engaged in operational activities, or your vehicle is often used for special purposes such as high-load use.
- g. engaged in racing or competitive activities.
- h. are planning a retrofitting or making modifications not authorized by XPENG.





## IV. Limitation of Liability

To the maximum extent permissible under local applicable law, XPENG hereby disclaims any and all indirect, incidental, special and consequential damages arising out of or relating to the customer's vehicle, including, but not limited to, transportation to and from a Service Center, loss of vehicle value, loss of time, loss of income, loss of use, loss of personal or commercial property, inconvenience or aggravation, emotional distress or harm, commercial loss (including but not limited to lost profits or earnings), towing charges, bus fares, vehicle rental, service call charges, gasoline expenses, lodging expenses, damage to tow vehicle, and incidental charges such as telephone calls, facsimile transmissions, and mailing expenses. To the maximum extent permissible under local applicable law, XPENG will not be liable for any direct damages in an amount that exceeds the fair market value of the vehicle at the time of the claim.

The above limitations and exclusion will apply whether or not the customer's claim is in contract, tort (including negligence and gross negligence), breach of warranty or condition, misrepresentation (whether negligent for otherwise) or otherwise at law or in equity, even if XPENG has been advised of the possibility of such damages or such damages are reasonably foreseeable.

Nothing in this Manual shall exclude, or in any way limit XPENG the liability of XPENG for death or personal injury, solely and directly caused by XPENG negligence of XPENG or that of its employees, agents, or subcontractors (as applicable), fraud or fraudulent misrepresentation, or willful misconduct.

## V. Modifications and Waivers

No person or entity, including, but not limited to, an XPENG employee or authorized representative, can modify or waive any part of this Manual.



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