XPENG

P7 User Manual

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XPENG P7 is an intelligent electric coupé with features different from ordinary vehicles. Before starting the journey on your P7.

The manual only describes 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 was published in March 2022. Contents marked with "*" or description of some equipment or pictures sampled only in one of the configuration, and XPENG P7 with remote upgrade (OTA) capabilities, functional configuration is often optimized, if there are differences with the vehicle you purchased, please refer to the latest features of the actual vehicle shall prevail. XPENG Motors always reserves the right to change, supplement, or terminate the contents and technical specifications of this manual.

Please keep the manual well for future reference.

Safety Instructions

With the focus on safety, XPENG is committed to creating a better mobility experience for customers. XPENG Owners should follow the safety instructions to drive carefully when getting familiar with the features of this vehicle.

Guidelines for Handling Traffic Accidents

If your vehicle has suffered severe damage in an accident, to ensure your personal safety, please follow the instructions below:

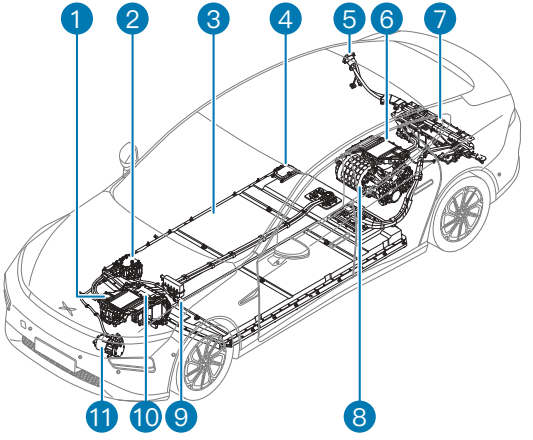
- Do not touch any HV wiring harness or HV component in the vehicle, or it will cause electrical injuries.
- Do not touch any leaked fluid.
- Do not attempt to inspect the vehicle by yourself.
- If you need to have the vehicle towed, contact your local authorized service center.
- When the vehicle has been damaged by flood, do not power it on again. Because short circuit may occur in the battery pack. To avoid personal safety risks or secondary damage to the vehicle, contact your local authorized service center as soon as possible to check the battery system and have the damaged battery assessed by professionals.
- If the vehicle emits smoke, move far away from the vehicle immediately and contact your local authorized 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 vehicle).
- When the battery system failure warning appears on the dashboard, pull over and park the vehicle safely, move far away from the vehicle and contact your local authorized 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 out or collision, the internal structure of the battery may be damaged, posing a serious safety hazard. Immediately contact your local authorized service center to check the battery system and have the damage assessed by professionals.

Important Notes

In case of any of the following situations, please contact your local authorized 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.
- One of the serious failure alarms is displayed on the dashboard, such as battery failure, battery overheating, motor and controller overheating, electric system failure, and charging port overheating.

EV System Layout



1. Front-drive intelligent power unit (IPU)
2. HV power distribution box
3. Traction battery. Refer to Page 9.
4. Vehicle Control Unit (VCU)
5. Charging port. Refer to Page 11.
6. Rear-drive intelligent power unit (IPU)
7. In-car 3-in-1 integrated power supply
8. Rear-drive motor
9. PTC heater
10. Front-drive motor
11. 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

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

Warning

- The traction battery can generate a high rated voltage up to 350V, which may cause serious injury or even death to human body. Please beware of the high voltage danger!
- Only trained technicians are allowed to disassembling, inspecting, modifying, and repairing the traction battery and its circuits, as this may lead to electric shock injuries or even death 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.
- If you perceive that the chassis is scratched or bad smell come from the traction battery, please stop driving immediately and contact your local authorized service center as soon as possible.

Range

The range depends on the state of charge, the vehicle's mileage and service history, 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 performance of the traction battery is affected by the environment temperature. It is required to use the vehicle within the environment temperature range of -30 °C to 55 °C to maintain the good performance of the battery and extend its service life.

Caution

- Do not keep the vehicle exposed to high temperatures above 60°C or low temperatures below -40°C for more than 24h.

Traction Battery Recycling Instructions

If the traction battery needs to be replaced or scrapped, please contact your local authorized 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

When the state of charge is less than 30% 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 4 touchscreens:

1. Light Signal
   - ▶ When the light signal system is turned on, the vehicle will trigger the exterior light signal effect when it is charging. Refer to Page 107.

2. Dashboard
3. CID
4. XPENG App display

Charging Port Lid Opening/Closing

Open or close it with the remote key. Refer to Page 22.

Open or close it with XPENG App.

Open or close it with the CID:

Tap "Vehicle Control → Quick Controls" on the CID to enter the control interface:

- When the charging port lid is closed, click the "Charge Port" button to open it.
- When the charging port lid is open, click the "Charge Port" button to close it.

Note

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

AC Charging

The long AC charging time is beneficial to battery protection.

1. Open the charging port lid. Refer to Page 11.
2. Take the charging gun and plug it vertically into the AC charging port.
   - ► Do not shake the charging gun when plugging it.

Caution

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

3. Observe the charging indicator lights. Refer to Page 10.

4. After charging is completed, press the "Unlock" button of the key or click the "End Charging" button on the CID to unlock the charging gun. At the same time, unplug the charging gun and put it back to the specified position.
   ► The charging port lid will close automatically when the charging gun is unplugged.

Battery Preheating

– This function can enable the vehicle to heat the traction battery with electricity from the AC charging pile after being parked for a longer period of time in cold weather, and to stop heating when the temperature reaches the specified limit, which can effectively improve the range and power performance of the vehicle in winter.

– Before activating this function, connect the vehicle to the AC charging pile that works normally, and make sure the state of charge is greater than 40% of the maximum charging value.

– Activate this function or make a schedule by clicking the icon in the CID status bar to enter the "Energy Center" panel or on the mobile App.

Caution

- It is recommended to use the vehicle as soon as possible after the battery preheating, since prolonged parking may reduce the heating effect.
- This function is disabled if the power 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.
- 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 your local authorized service center for troubleshooting.

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.

1. Open the charging port lid. Refer to Page 11.
2. Take the charging gun and plug it vertically into the DC charging port.
   - ► Do not shake the charging gun when plugging it.
3. Observe the charging indicator lights. Refer to Page 10.

4. After charging is completed, press the "Unlock" button of the key or click the "End Charging" button on the CID to unlock the charging gun. At the same time, unplug the charging gun and put it back to the specified position.
   - ► The charging port lid will close automatically when the charging gun is unplugged.

Warning

- DC charging must be carried out in compliance with the relevant regulations of the charging station.
- The charging interface, communication protocol, and technical requirements should meet the latest national standards for charging piles. Please check if the DC charging pile is CCS2 standard compliant before charging.

Scheduled 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. Click the icon in the CID status bar to enter the “Charging Function” panel.

2. Click the “Schedule Charge” switch button to enter the “Schedule Charge” panel.
3. Set the scheduled charging time (with 1 min as the minimum unit).
4. Open the charging port lid. Refer to Page 11.
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. Refer to Page 10.

Note

- The charging may be prolonged due to factors such as environment temperature and traction battery life.
- 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.
- When the indicator shows an abnormal charging warning, you can 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 still exists, please contact your local authorized service center for troubleshooting.
- During AC charging, the power of the air conditioner is preferentially allocated to the battery heating, which may cause the air conditioner not to be cooled or heated.

> **Note**
>
> - Due to the differences among charging pile manufacturers in understanding the national 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

- 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 damaged terminal of the charging gun, as well as the deformed and cracked plastic body of the plug.
- In case of an emergency during charging, press the "Stop" button on the charging device interface to stop charging immediately.
- It is recommended to stop charging the vehicle during thunderstorms, or the charging devices may be damaged by the lightning.
- 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 smell 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.
- Do not disassemble or modify the charging port or charging cable.

AC Discharging

AC discharging allows the power stored in the battery to be output at 220 V for external appliances to use.

Perform AC discharging as follows:

1. Open the AC charging port lid.

2. Connect the appliance to the adapter first, then plug the adapter into the charging port.
   - ▶ This function allows to connect external electrical appliances with the maximum power of 2.2 kW.
   - ▶ When the traction state of charge is less than 20%, this function will be automatically deactivated.
3. Tap the icon in the CID status bar to enter the discharge function panel.

4. Confirm that the power supply circuit and electrical appliance are well connected, and tap the "Start Power Supply" button to enter the discharging mode; the current and voltage will be displayed in real time during discharging; you can stop discharging at any time.
   - — You can custom the power supply limit, so that the discharging will automatically stop when the limit is reached.

Warning

- It is strictly forbidden to use this function in case of any damage of the appliance or the adapter.
- It is strictly forbidden to allow minors to touch or use the charging device. Keep minors away from the vehicle when this function is enabled.
- In case of abnormal discharging, please disable this function immediately.
- It is strictly prohibited to touch the plug pins of electrical appliances and adapter jacks.
- It is strictly prohibited to connect counterfeit products, medical or health electronic devices to the vehicle.

Appearance Introduction

1. Front combination light. Refer to Page 59.
2. Exterior rear-view mirror. Refer to Page 31.
3. Exterior door handle
4. Front tractor
5. Rear combination light
6. High brake light
7. Charging port. Refer to Page 11.
8. Rear fog lamp/reverse lamp

Vehicle Locking/Unlocking

Smart Key

1 Lock button

– Within the effective range, when the driver's seat is unoccupied and the gear is in P, close all doors (including the front hood and tailgate), and short press this button to lock the whole vehicle. Then the turning lamp flash once and the horn honks once to indicate successful locking, with the exterior door handles retracted and the exterior rear-view mirrors automatically folded.

– Within the effective range, press this button twice continuously to automatically close the front door or the main door (which can be selected on the large screen), and press this button or key unlock button again to stop closing.

– Within the effective range, long press this button. Then the front doors will close automatically, stop if released.

2 Tailgate release button

– Within the effective range, when the tailgate is closed, short press this button twice in succession to open the tailgate.

3 Unlock button

– Within the effective range, short press this button to unlock the doors. Then the turning signal lights flash twice and the horn honks twice to indicate successful unlocking, with the exterior door handles popping out automatically.

– Within the effective range, short press this button twice, the front door door or the main driving door (can be selected on the large screen), short press/long press this button again or the key lock button to stop opening.

– Within the effective range, long press this button. Then the front doors will open automatically, stop if released.

4 Charging port lid button

– Within the effective range, short press this button twice in succession to open or close the charging port lid.

Smart Locking/Unlocking

The smart locking/unlocking function can be activated or deactivated via "Vehicle Control → Vehicle Settings → Locks" on the CID. After this function is activated:

- Unlock When Approaching: when you approach the vehicle with the key, it will unlock automatically.
- Lock When Leaving: when you walk away from the vehicle with the key, it will automatically lock.

NFC key

This car is equipped with NFC card key.

Unlock

When the vehicle is locked, put the NFC key close to the NFC key induction area to unlock the vehicle.

Lock

With all doors (four doors, front trunk lid, and tailgate) closed, driver's seat unoccupied and gear in P, put the NFC key close to the NFC key induction area to power off the vehicle.

Ready to Start

1. The driver is sitting in the driver's seat (without physical key nearby).
2. Hit the brakes.
3. Put the NFC key close to the wireless charging induction area.
4. Shift into D/R gear and the vehicle enters the Ready state.

Note

- After unlocking the vehicle with the NFC key, by default, you can enter the Ready state by shifting into the D/R gear within 20 min, and after 20 min you need to re-execute steps 1, 2, 3 and 4 above to enter the Ready state.
- The normal operating temperature range of the NFC key is -20 – 50 °C, please note that under extremely low or high temperature, this function will be affected or even cannot be used normally. In case of such situation, please contact your local authorized service center as soon as possible.

Emergency Unlocking

If the door cannot be opened electrically due to power loss of the 12V battery or of the car key battery, a mechanical key can be used to unlock the door.

Pull up the door handle and insert the mechanical key into the lock hole:

- Turn the mechanical key clockwise to lock the doors.
- Turn the mechanical key counterclockwise to unlock the doors.

Emergency Door Locking

In the event of a total loss of electrical power, the front doors can be closed directly by manually closing the doors. At this time, you can use the mechanical key to turn the emergency lock button at the door lock fish mouth to lock the rear doors.

- Left rear door: Turn the emergency lock button counterclockwise, and close the doors to lock.
- Right-rear door: Turn the emergency lock button counterclockwise, and close the doors to lock.

Locking and Unlocking the Vehicle with the Door Lock Button

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

Collision Unlocking

In the event of a serious vehicle collision resulting in airbag deployment, the vehicle will unlock doors once and then unlock again 3s later.

Note

- The turning lamps keep flashing when the doors are unlocked due to the collision, and stop flashing when the vehicle is powered off or the hazard warning light switch is pressed.

Locking While Driving

With all doors closed and the left front door unlocked, this function is activated. In addition, when the vehicle speed exceeds 3km/h during driving, all doors will be automatically locked.

Unlock on Park

With the driver's seat occupied, all doors closed and the left front door locked, the following operations will automatically unlock the doors when the vehicle is parked:

- With the gear in P, the driver wearing the seat belt unfastens the seat belt.
- When the driver is not wearing a seat belt and the gear is not in P, the gear is shifted to P.

Note

- This function can be activated or deactivated via "Vehicle Control → Vehicle Settings → Locks → Unlock on Park".

Front doors

The front doors can be opened/closed by:

Remote key. Refer to Page 18.

Open or close it with XPENG App.

External door handle.

Buttons on the driver's door armrest.

CID.

Front interior door handle. Refer to Page 41.

XPENG voice assistant.

External door handle

Opening

- When the vehicle is unlocked, short press the exterior door handle-arrow-position and the door on the corresponding side will open automatically.
- When the vehicle is unlocked, long press the exterior door handle-arrow-position and the door on the corresponding side will open automatically until the exterior door handle is released or opened to the maximum limit.

Closing

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

In order to facilitate getting on the vehicle, when opening the door with the exterior handle, the door will automatically stop when an obstacle is detected. If the obstacle is far 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 opening. Always pay attention to the surrounding environment to ensure safety.

If it is found that the doors may collide, the doors can be stopped in the following ways:

- Manual blocking.
- Short press the open/lock button on the key.
- Short press the buttons on the driver's door armrest or click the button on the CID

Open or close with the in-vehicle buttons

Opening

- Short press door opening button 1 to open the doors automatically.
- Long press door opening button 1 and the door will open automatically until button 1 is released or reaching the maximum limit.

Closing:

- Short press door closing button 2 to close the door automatically.
- Long press door closing button 2 and the door will close automatically until button 2 is released or reaching the closing position.

Open or close with the CID

Click "Vehicle Control → Quick Controls" on the CID to enter the control interface:

- Open: Tap the "Open" button, the door on the corresponding side will open automatically, tap the "PAUSE" button again, the door will open when it stops.
- Close: Tap the "Close" button and the door on the corresponding side will be closed automatically, tap the "PAUSE" button again, the door will open when it stops.

Door Opening Range Setting

Enter the door opening range setting interface through the central control screen "Vehicle Control→Vehicle Settings→Locks→Front Door Range Settings":

- The system defaults that the door opening range is 40%, and the adjustable range is 40%~100%. When sliding the progress bar, it will increase or decrease by 5%.
- This function is used to set the maximum opening range of the front door. Assuming that the user sets it to 40%, the front door will automatically stop when it is opened to 40%, but the user can continue to open the door by pressing and holding the door handle or the door opening button inside the vehicle.

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 the anti-pinch is triggered frequently, it could easily cause the anti-pinch protection and the electric function to fail. It needs to automatically restore to the electric function after completing a manual full closing, and the anti-pinch function will also resume.

Caution

- 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 the passengers before closing the door, pay special attention to the elderly and children, and make sure that there are no people or obstacles near the door. Do not lean your hand or other parts of your body against the door hinge or the gap between the door gaps. Some parts of the edge 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 way 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.
- 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.
- Before opening the door, make sure that the side of the door and the top of the door keep a sufficient distance. Otherwise, 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 open and close the doors electrically. For example, in rainy weather, opening the X-wing door may cause rainwater to flow from the X-wing door into the front seat area or onto occupants.

Warning

- It takes time for visual inspection and camera startup. When the network is waking up, the vehicle is powering off or on, the CID is not started, or the initialization is not completed, the vehicle does not have the visual obstacle avoidance function; please pay attention to the surroundings, especially near the rear-view mirror that the ultrasound 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 cause failure to identify obstacles, incorrect obstacles avoidance, or failure to correctly complete the obstacle avoidance during X-wing door opening. Please keep an eye on the door surroundings and confirm that it 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 that are centered relative to the door.
- Bicycles, chairs, water horses, 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 or sound-absorbing material (such as sponge) obstacles.
- Overhanging obstacles (e.g., overhanging pipes, exterior rear-view mirror of nearby vehicle, fire hydrants, and fire fighting sandboxes).
- The camera is disturbed by ground lines, ground tires, shadows of pillars, etc.
- Cameras are restricted. (for camera restrictions. Refer to Page 111.)
- 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).
- Angled 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 auxiliary measures to take over the door and be responsible for the door.

Tailgate

The tailgate can be opened using the key, the CID or the XPENG App, and closed manually.

Opening the Tailgate with the CID

Tap "Vehicle Control → Quick Controls" on the CID to enter the control interface:

– Click the "Unlock Trunk" button to open the tailgate.

Closing the Tailgate

Lower the tailgate to a position close to the rear bumper and close it with a little force by hand. Then check if the tailgate is securely locked.

Emergency Opening

When the tailgate cannot be opened by the tailgate button on the key or the CID, try emergency opening.

1. Lower the rear seat backs to enter the trunk.
2. Open the trim lid.
3. Flip the unlock switch to the left to open the tailgate.

Front Hood

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 catch 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 check to confirm whether it is firmly locked. There is opening/closing status indicator on the dashboard and CID.

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 Mirrors

Power Adjustment

1. Tap "Vehicle Control → Quick Controls" on the CID to enter the control interface:
   - ► Tap the "Mirrors" button to enter the power adjustment setting.
2. Operate the left and right buttons on the steering wheel according to the CID prompts.
   - ► Short or long press the left and right buttons on the steering wheel to correspondingly adjust the exterior mirror lenses on both sides to the appropriate position.

Caution

- It is prohibited to adjust the rear-view mirrors while driving. Please pay attention to driving safety.

Reverse Auto-Tilt Function

1. Tap "Vehicle Control → Quick Controls → Mirrors" on the CID to enter the "Exterior Rear-view Mirrors Adjustment" interface:
   - ► Tap the "Reverse auto-tilt (left)" or "Reverse auto-tilt (right)" button to activate the reverse auto-tilt function.
2. When the vehicle gear is shifted into R for more than 0.5s, the exterior mirror on the corresponding side will automatically tilt to a certain angle to assist reversing.

Memory Function of Exterior Rear-View Mirrors

This function is used to memorize different lens positions based on different users' preference information.

Auto Folding of Exterior Rear-View Mirrors

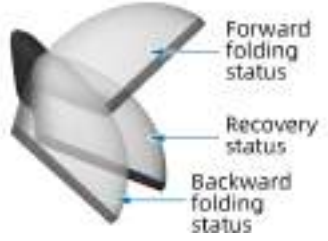
- Folding: The exterior rear-view mirrors fold automatically when the vehicle is locked.
- Unfolding: The exterior rear-view mirrors unfold automatically when the vehicle is unlocked.

Folding the Exterior Rear-View Mirrors with the CID

Tap "Vehicle Control → Quick Controls → Mirrors" on the CID to enter the "Exterior Rear-view Mirrors Adjustment" interface:

- Tap the "FOLD" button to fold the exterior rear-view mirrors.
- Tap the "UNFOLD" button to unfold the exterior rear-view mirrors.

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. Tap "Vehicle Control → Quick Controls → Mirrors" on the CID to enter the "Exterior Rear-View Mirrors Adjustment" interface, and tap the "Unfold" button to unfold the exterior rear-view mirrors.
2. Manually push the rear-view mirrors to the "Recovery status" 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.

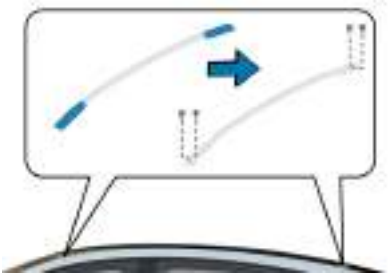
Note

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

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 low level.
- Do not touch the exterior rear-view mirrors with your hands when this function is activated.

Roof Rack Mounting Hole



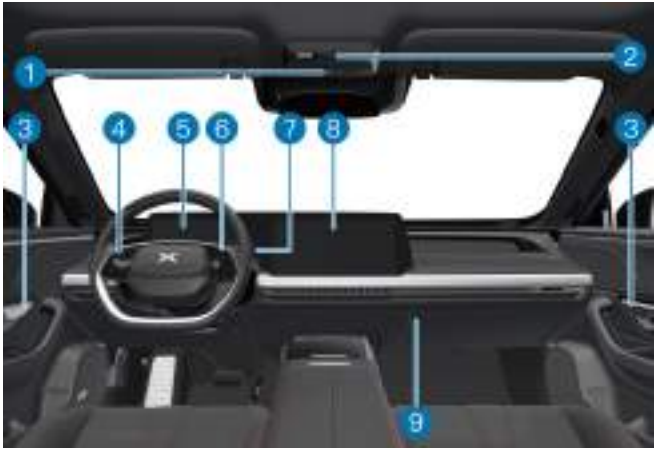
The roof rack interface can be used to install optional roof rack. If using a roof rack, follow the instructions and safety warnings provided in this section and the instruction manual of the roof rack.

- Make sure the roof rack is securely mounted.
- To properly load different types of cargo (e.g. skis, bikes), please use the appropriate accessories. Ensure that the accessories are installed correctly and securely in accordance with their instruction manuals. 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 must not exceed the rated load of the roof (50 kg). In addition, the gross weight of the fully loaded vehicle, including driver, passengers, cargo and roof load, shall not exceed the maximum gross vehicle mass listed in the “Vehicle Specifications” section of this manual.
- When loading cargo on the roof, place the heaviest items underneath and distribute the cargo as evenly as possible.
- Do not carry oversized items that may hang onto the bumper or the side of the vehicle and obstruct the view.
- Attach the front and rear ends of long items (e.g., board, and surfboard) to the front and rear of the vehicle. Protect the paintwork of the vehicle from being scratched by the rope pulled down.
- Check the roof rack regularly to ensure it is securely mounted without any damage.
- For the vehicle equipped with a roof rack interface, ensure that the interface is covered with a lid when unused.

Warning

- Rough driving or failure to secure the cargo properly may cause the cargo to fall off the vehicle and strike other objects, causing personal injury or property damage.
- Secure the cargo firmly and avoid rough driving (e.g. sharp turns, turning too fast and sudden braking). Check the cargo regularly to ensure it is securely fastened.
- Bulky, heavy, long or flat items may affect the aerodynamics or wind protection of the vehicle and reduce the controllability of the vehicle, leading to accidents and personal injury. When carrying such items, drive carefully by reducing to a safe speed.

Interior Introduction



1 Emergency power-off switch. Refer to Page 66.

2 Hazard warning light switch. Refer to Page 62.

3 Interior door handles. Refer to Page 41.

4 Left steering wheel buttons. Refer to Page 39.

5 Dashboard. Refer to Page 53.

— Indicator lights. Refer to Page 55.

6 Right steering wheel buttons. Refer to Page 40.

7 Combination switch:

— Gear switch. Refer to Page 68.

8 CID.

9 Glove box. Refer to Page 50.

10 Driver's power window switch

— Door lock button. Refer to Page 22.

11 Electronic parking brake (EPB) switch. Refer to Page 101.

12 Combination switch:

— Light control switch. Refer to Page 59.

— Wiper control switch. Refer to Page 63.

13 Accelerator pedal.

14 Brake pedal.

Steering Wheel

Steering Wheel Position Adjustment

The steering wheel handle is in the locked position by factory default.

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.

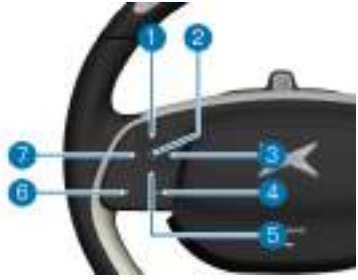
Steering Wheel Assist

– Tap "Vehicle Control → Vehicle Settings → Steering / CDC Mode" on the CID to enter the control interface to select the corresponding mode:
  - COMFORT: Reduce the force required to turn the steering wheel, which is suitable for urban driving.
  - STANDARD: Respond and react to situations most effectively.
  - SPORT: Increase the force required to turn the steering wheel, to increase responsiveness of driving at higher speed.

Warning

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

Left Steering Wheel Buttons



Default:

1. Up button: short press/long press to increase the air conditioning temperature.
2. OK button: short press for confirmation/long press to enter function selection.
3. Right button: short press/long press to increase the air volume.
4. Custom X button: short press to quickly call the custom function; long press to set the custom function.
5. Down button: short/long press to decrease the air conditioning temperature.
6. Voice button: short press for voice control.
7. Left button: short press/long press to reduce the air volume.

To enter function switching status (by long pressing the OK button):

1. Up button: switch function.
2. OK button: short press for confirmation/long press to enter function selection.
3. Right button: disabled.
5. Down button: switch function.
7. Left button: disabled.

To enter ACC status:

1. Up button: short press/long press to increase cruise speed.
2. OK button: short press for confirmation/long press to enter card selection.
3. Right button: short/long press to decrease the following distance.
4. Custom X button: short press to quickly call the custom function; long press to set the custom function.
5. Down button: short press/long press to decrease cruise speed.
6. Voice button: short press for voice control.
7. Left button: short press/long press to increase the following distance.

Right Steering Wheel Buttons

Default:

1. Volume Up button: short press to turn up the volume.
2. OK button: short press to confirm/answer/enter.
3. Skip button: Short press to play the next station/chapter/song.
4. Mute button: short press for mute control.
5. Volume Down button: short press to turn down the volume.
6. Return button: short press to cancel/hang up/return.
7. Playback button: Short press to play the previous station/chapter/song.

To enter card switching status (by long pressing the OK button):

1. Up button: switch cards.
2. OK button: short press for confirmation/long press to enter card selection.
3. Right button: disabled.
5. Down button: switch cards.
7. Left button: disabled.

Button Emergency Functions

Voice button + Mute button: keep pressing them simultaneously for about 5s to restart the dashboard;

Custom button + Return button: keep pressing them simultaneously for about 5s to restart the CID;

This function can be used temporarily in case of dashboard or CID errors such as sudden frozen screen. If the fault still exists after restarting, please contact your local authorized service center for troubleshooting as soon as possible.

Gesture Touch Rotation Function

- Left gesture touch rotation: swipe to rotate clockwise or counterclockwise on the left side of the steering wheel to adjust the air conditioning temperature.
- Right gesture touch rotation: swipe to rotate clockwise or counterclockwise on the right side of the steering wheel to adjust the media volume.

Interior Door Handles

Interior Front Door Handle (for P7 Wing)

- When a door is unlocked, pull the interior front door handle once to open the corresponding door automatically.
- When a door is locked, pull the interior front door handle once to unlock the corresponding door.

Interior Door Handle

- When a door is unlocked, pull an interior door handle and push the door outward to open it.
- When a door is locked, pull the interior door handle once to unlock the corresponding door.

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 Mobile Phones

Featured with electromagnetic induction technology, this function is used to charge mobile phones wirelessly.

Charging Operation and Status Query

The wireless charging for mobile phones is turned on by default.

The effective area for wireless charging is in the front storage box, with the center marked by the "arrow". To charge your phone, please place your phone face up and flat in the induction area. The phone screen will display a charging icon to indicate successful charging.

Caution

- The wireless charging function is only available for QI-certified phones. Accidents may occur if non-certified products are used.
- 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 mobile phone. Therefore, either a vehicle fault or a phone fault may cause the charging to fail.
- 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 start or when the vehicle speed exceeds 40 km/h for the first time and resume normal functioning 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.
- 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 charging function does not work properly, stop using it and contact your local authorized service center for troubleshooting.

Windows

After the vehicle is powered on, you can open or close the windows through the master window switch, passenger window switches and the CID.

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 with 2 levels of operation:

1. One-touch lift: hold down the switch and then release it, then the window will automatically 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. Partial lift: to partially roll down the window, gently press and hold the switch, and release it when the window rolls down to the desired position; to roll up the window, gently pull the switch, and release it when the window rolls up to the desired position.

– By activating the "Close Windows When Locking" function on the CID, the windows will automatically roll up to the fully closed position when the vehicle is locked.

Turning On/Off with CID

Tap "Vehicle Control → Quick Controls → Windows" on the CID to enter the window control interface:

– Ventilation: tap the "VENT" 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 keep doors closed.
2. Lift up the power window switch, and the window will roll up stepwise.
3. When the window rolls up to the top, hold the switch without release for 2s. Then the initialization is completed.

Caution

- The initialization should be completed as soon as possible to prevent the window regulator from being damaged due to frequent window short drops caused by frequent door openings and closings.

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.
- Tap "Vehicle Control → Vehicle Settings → Passenger Door Shortcuts" on the CID display to custom the functions of shortcuts, and then press them to quickly call the following functions:
  - Turn on/off voice control: Tap to turn on/off voice control.
  - Mute on/off: Tap to mute and tap again to restore the volume.
  - Master 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.

Front Window Follow Functions

Tap "Vehicle Control" → "Vehicle Settings" → "Windows" → "Adaptive Windows" on the CID to enable/disable this function.
Function enabling:

- When the front door is opened, the window will automatically descend.
- When the front door is closed, the window will automatically rise.

Storage

Door Storage Box

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

On-Board Charging Ports

– The vehicle is equipped with one 12 V power port and four USB ports, including three USB power ports and one USB media source port.
  - ► 12V power port: the maximum power supported is 180W.
  - ► USB ports: After the vehicle is powered on, passengers can charge their devices by connecting USB cables to USB ports, with the maximum output current of 2.1 A.

⚠ 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 equipment.
- The operation and use by children are prohibited.

Front Cup Holder

– To use the front cup holder, please press the cover plate to open it.

Armrest Storage Box

– To use the armrest storage 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.

– 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.

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.

Dashboard

The P7 comes with a 10.25-inch full LCD dashboard with integrated display of music, 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 Left dashboard display area:

– Displays maps, navigation information, energy consumption, vehicle status, media, and quick controls.

2 Indicator lights:

– Indicators located in different positions on the dashboard can reflect the status of the vehicle's system functions. Refer to Page 55.

3 Gear indicator light:

– Highlights the corresponding gear according to the current gear lights.Refer to Page 68.

4 Vehicle speed:

– Displays the current driving speed.

5 Right dashboard display area:

– Displays maps, navigation information, energy consumption, vehicle status, media, phone, and quick controls.

6 Time:

– Displays the current time.

7 State of charge/range

– Displays the percentage of the traction battery and the estimated range.

8 Vehicle model:

– Displays the vehicle model and gives warnings when forward collision warning, advanced emergency braking, rearward collision warning, blind zone warning, etc. are triggered.

9 Driving mode:

– Displays the current driving mode.

10 Temperature:

– Displays the current temperature outside the vehicle.

Note

- The beeps and brightness of the dashboard can be adjusted through the CID system settings.

Indicator Lights

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 when an indicator light is on during daily driving, contact your local authorized service center for advice.


Door open indicator light

READY indicator light

ECO mode indicator light

Sport mode indicator light

Rear fog light indicator light


Position light indicator light


High beam indicator light


Low beam indicator light


Smart low beam activation indicator light


Left turn signal and hazard warning indicator light


Right turn signal and hazard warning indicator light


Airbag fault indicator light


Unfastened driver's seat belt warning indicator light


Unfastened front passenger's seat belt warning indicator light


Unfastened rear left seat belt warning indicator light


Unfastened rear middle seat belt warning indicator light


Unfastened rear right seat belt warning indicator light


EPB status indicator light

EPB fault indicator light


Autohold ON indicator light

Autohold fault indicator light


Braking system fault indicator light

ESP indicator light

ESP OFF indicator light

ABS indicator light

iBooster fault indicator

Tire Pressure Monitoring System (TPMS) 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


Traction battery high temperature indicator light


Traction battery fault indicator light

Traction battery cutoff indicator light

Low battery indicator light

Vehicle Control Unit (VCU) power limited indicator light

ACC ON indicator

ACC Ready indicator light

ACC fault indicator light

ACC exit delay indicator


Forward Collision Mitigation (FCM) fault indicator light

FCM OFF indicator light


LCC Ready indicator light


LCC ON indicator light

LCC exit delay indicator light


LCC fault indicator

XPILOT system fault indicator light


Charging port lid indicator

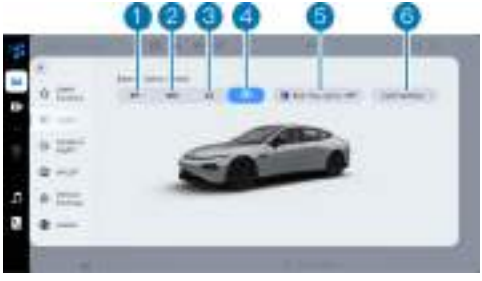

Schedule charge indicator light

Exterior Lights

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.

Control with CID

Tap "Vehicle Control → Lights" on the CID display 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 this button to turn on/off position lights, license plate lights, etc.

3 Low beam

– When the position lights are not on, tap this button to turn on/off the position lights, low beam, etc.

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 lights

– When the low beam is on, tap this button to turn on/off the rear fog lights.

– When the position lights are off, the rear fog lights will go off.

6 Light settings

– Tap this button to activate/deactivate the Light Me Home function and position light.

Light Settings

- Light Signal System: Tap to turn on the light signal system. After turning off the headlights, you can enjoy the external body light signal.
- Play light signal when unlocking: Tap to turn on play light signal when unlocking, and the light signal will be played automatically when the vehicle is unlocking.
- Play light signal when locking: Tap to turn on play light signal when locking, and the light signal will be played automatically when the vehicle is locking.
- Play light signal when charging: Tap to turn on play light signal when charging, and the light signal will be played automatically when the vehicle is charging.

Daytime Running Lights

- ON: When the vehicle is in the READY state in a non-P gear with position lights and turn signals off, daytime running lights will come on.
- OFF: When the whole vehicle is powered off or not in the READY state, or the gear is in P, or the position light is on, or the turn signal is on, the daytime running lights will go off.

High Beam

- With the low beam on, flip the combination switch forward/backward High beam to turn on/off the high beam;
- Continuously flip the 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 Lamp

- Flip the combination switch down or up to turn on the turn signal lights. Then the corresponding ⬅ or ➡ indicator light on the dashboard will flash with "da-da" sound.
- Flip the combination switch back to the center position or turn the steering wheel back to turn off the turning lamps.

Lane Change Flashing

To indicate a lane change, quickly flip the combination switch up or down and release it. Then the corresponding turn signal light will flash 3 times.

Hazard Warning Light

– Press the hazard warning light switch on the front reading lights to turn on the hazard warning lights. Then all turn signal lights will 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 Reading Lights

This vehicle is equipped with front and rear interior reading lights.

– The reading lights will come on when touched, and go off when touched again.

Wipers and Washers

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

– OFF: Turn off wiping.
– INT: Intermittent wiping.
– LO: Continuous low-speed wiping.
– HI: Continuous high-speed wiping.

After the vehicle is powered on, flip the washer switch to select:

- : Washing with water.
- OFF: Turn off washing.
  - The washer switch will automatically return to the default position when released.
- MIST: Wiping with mist.

Intermittent wiping

- Turn the wiper switch to the "INT" position to activate intermittent wiping.
  - The intermittent low speed wiping time can be set via "Vehicle Control → Vehicle Settings → Wipers → Wiper INT Speed" on CID.

Continuous Low-Speed Wiping

- Turn the wiper switch to the "LO" position to activate continuous low-speed wiping.

Continuous High-Speed Wiping

- Turn the wiper switch to the "HI" position to activate the continuous high-speed wiping.

Washing with Water

- Flip the washer switch to the " " position, and the washers will start spraying water.
  - With the wiper switch at "OFF or INT" position, flip the washer switch continuously for a period of time. Then the wipers will start working at a low speed and stop after 3 strokes.

- With the wiper switch at the "LO" or "HI" position, release the washer switch. Then the washers will stop spraying water, and the wipers will keep working at a low or high speed.

Wiping with Mist

- Flip the washer switch to the "MIST" position and release it immediately, the wipers will wipe for one stroke.
- Flip the washer switch to the "MIST" position and hold it, the wipers will keep working. Release the switch, the wipers will stop working.

Caution

- When there is ice or a lot of snow on the front windshield, it is recommended to remove it manually before starting the wipers, otherwise it will damage the wiper motor and rubber strips.

Acoustic Vehicle Alerting System (AVAS)

P7 is a pure electric vehicle, which makes low noise during driving. To alert pedestrians to the presence of the vehicle, P7 can make low-speed warning sound.

When the driving speed is < 30 km/h, the vehicle will make the warning sound.

Vehicle Power On/Off

Vehicle Power On

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

Vehicle Power Off

1. With the vehicle powered on or in the READY state, the driver seat unoccupied and all doors (including the front trunk lid and tailgate) closed, the vehicle will be powered off through the following operations:
   - Remote locking by key.
   - Locking by NFC card key
   - Locking by XPENG App.

2. Long press the emergency power-off switch to power off the vehicle.
3. Automatic power off
   - With the gear in P position and all doors 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.
   - Click "Vehicle Settings → Other → Auto Power Down" on the CID to activate/deactivate this function.

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 fail to step on the brake pedal to start the vehicle, the dashboard will display "Please apply the brake before gearshift".

Emergency Vehicle Start

If the dashboard displays "Please replace the key battery", it indicates that the key power is low. You can place the key at the bottom of the front left cup holder (as shown below), and then step on the brake pedal and shift to Gear R or D to start the vehicle.

Note

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

Gearshift

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

Gears

The vehicle is equipped with the following gears:

- R: Reverse gear
- N: Neutral gear
- D: Drive gear
- P: Park gear

R: Reverse gear

When the vehicle is in an idle state, step on the brake pedal while pushing up the shift lever. Then the indicator of Gear 'R' on the dashboard will come on, and the gear will be shifted to R.

N: Neutral gear

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

- With the gear in D, push the shift lever up by 1 gear.
- With the gear in R, push the shift lever down by 1 gear.
- With the gear in P, press the brake pedal and push the shift lever up or down by 1 gear.

Neutral Gear Two-Step Confirm

With the gear in D or R and vehicle speed ≥ 0 km/h, operate to enter (or falsely 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 left 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.

- Click "Vehicle Control → Vehicle Settings → Steering Wheel → N-Gear Two-Step Confirm" on the CID to activate/deactivate this function.

D: Drive gear

When the vehicle is in an idle state, step on the brake pedal while pushing down the shift lever by 2 gears. Then the indicator of Gear 'D' on the dashboard will come on and the gear will be shifted to D.

P: Park gear

When the vehicle is in an idle state, step on the brake pedal while pressing the Gear 'P' button of shift lever. Then the indicator of gear "P" on the dashboard 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 your local authorized service center for troubleshooting.
- Before you get off the vehicle or drive on a ramp, make sure you have shifted gear to P to prevent the vehicle from moving due to inertia.

Driving Mode

The vehicle offers five driving modes - "Standard, Sport, Economy, XPEDAL, and Stable" for you to select on the CID;

- STANDARD: Moderate dynamic response and more comfortable driving experience.
- SPORT: Faster dynamic response and more fun to drive and maximum acceleration.
- ECO: Gentle dynamic response and greater endurance mileage.
- X-Pedal Drive Mode: Contributing to range improvement with crawling function disabled, energy regeneration enhanced, and AUTO HOLD function automatically turned on.
- Stable Drive mode: Intelligent matching between acceleration and energy regeneration, with smoother power output and more comfortable driving & riding experience.

► Click "Vehicle Control → Vehicle Settings → Drive → X-Pedal/Stable Drive Mode" on the CID to shift into XPEDAL/Stable mode.

Energy Regeneration

The energy regeneration is a strategy intended to have the motor brake to regenerate electrical energy when the vehicle is coasting or braking and then charge the traction battery, thereby increasing the range.

Energy Regeneration When Coasting

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

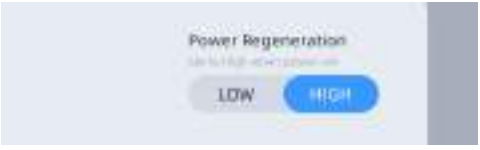
Energy Regeneration When Braking

Depress the brake pedal to regenerate energy during braking.

Factors Affecting Energy Regeneration Brake

The amount of energy fed back to the traction battery through energy regeneration brake depends on the following factors:

1. Current status of the traction battery:
   - The traction battery is fully charged.
   - The traction battery has a relatively high temperature.
   - The traction battery has a relatively low temperature.
2. Energy regeneration setting:



- Click "Vehicle Control → Quick Controls → Power Regeneration" on the CID to select the energy regeneration level by "LOW" or "HIGH" button.
- Then the energy regeneration brake will adjust the amount of energy regenerated according to the set 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 brake cannot replace the braking required for safety, and the driver shall apply the brake in time according to the actual situation.

Interior Air Conditioner

To ensure a comfortable experience in different conditions, you can control the temperature and airflow distribution in the passenger compartment through the air conditioning control interface on the CID.

1 Turn off the switch on the air conditioning control interface

2 Bottom control bar

– Under air conditioning manual control mode, tap the "Window, Face, Foot" buttons to adjust the blowing mode and set different combinations as you like.

– AUTO: Tap this button to enter the A/C Auto mode.

► After the AUTO mode is turned on, if individual settings such as air volume and temperature are manually adjusted, the air conditioning system will exit the AUTO mode.

– : Tap to turn off the air conditioning system.

– : Tap the button in sequence to switch among: Cooling → Heating → Natural Air →Cooling.

– : Tap the button to switch between recirculation mode and fresh air mode.

– AQS: Tap the button to turn on the intelligent switching between recirculation mode and fresh air mode.

– ECO: Tap this button to enter the A/C ECO mode.

3 Driver side temperature adjustment area

– Swipe up and down to adjust the driver side air conditioning temperature, and tap the "Sync" button to sync the passenger side temperature.

4 Front passenger side temperature adjustment area

– Swipe up and down to adjust the front passenger side air conditioning temperature, and tap the "Sync" button to sync the temperature with the driver side.

5 Smart modes. Refer to Page 74.

– Smart modes include MAX A/C mode and REFRESH mode.

6 Seat heating and ventilation function

7 Air volume adjustment

- The air volume can be adjusted by sliding the slider left and right.
- The left side is the air volume decrease icon, and the right side is the air volume increase icon. You can tap to decrease/increase air volume by 1 frame, or long press to accelerate to decrease/increase air volume by multiple frames.

8 Airflow modes of concealed air outlet

- The modes include: one-way air, mirror air, free air, and auto-sweep air.

9 Airflow adjustment in the driver and front passenger areas through the air conditioning panel

- Through a single finger swipe, you can enter the infinite airflow adjustment state. In this state, the other air conditioning controls are hidden and the horizontal and vertical coordinates of the driver and front passenger airflow adjustment are displayed.
- Double tap the air outlet area to turn on/off the air outlets.

10 XFreeBreath – XPENG intelligent air conditioning system

- Click the icon to enter the XFreeBreath feature selection interface.

- PM2.5 high-efficiency filtration: Equipped with the PM2.5 high efficiency filter element, the air conditioner will detect PM2.5 in the car and continuously filter the air.
- AQS Anti-external exhaust: The AQS feature can detect harmful gases such as exhaust gas coming from outside the car and prevent them from entering the car.
- Plasma purification: Degradation of particles and gas molecules, effective sterilization.
- Anti-mold: With this feature activated, the air conditioning ducts are automatically dried after you power off and get off the car.

Smart Modes

Smart modes include MAX A/C mode and REFRESH mode.

MAX A/C Mode

– Suitable for getting into the vehicle in hot summer weather to greatly cool down the interior space. Based on the experience of thermal management of on-board air conditioning, this mode can decrease the high temperature in the car to the 25 °C or so after 180 s.

To enter the MAX A/C mode

– Tap the MAX A/C mode icon to enable, or say "Hello Xiao P, turn on MAX A/C mode" to open the function. After enabled, the function will automatically adjust the temperature, air volume, fan speed, etc. to quickly decrease the temperature inside the car.

REFRESH Mode

– This mode provides fresh air continuously for the interior space, improving driving concentration and travel safety.

To enter the REFRESH mode

– Tap the REFRESH icon, or say "Hi Xiao P, turn on REFRESH mode" to turn on the REFRESH function.

To exit the smart modes, you can operate as follows:

– Tap the MAX A/C (or REFRESH) icon, or say "Hi Xiao P, turn off MAX A/C (or REFRESH) mode" to turn off the MAX A/C (or REFRESH) function.

– The smart mode will turn off automatically after 180 s.

– Switch to other smart modes.

– Power the whole vehicle off.

– By manually adjusting any of the following air conditioning functions, you can exit the smart mode.

  ▶ Air conditioning OFF switch ⏻.

  ▶ Switch to cooling, heating or natural air mode.

  ▶ Switch to AUTO mode.

  ▶ Regulate the air volume.

  ▶ Adjust the temperature.

  ▶ Switch the airflow mode.

  ▶ Turn on front defrosting and defogging.

  ▶ Turn on ECO mode.

Smart Front Passenger Air Outlet Mode

– This mode can automatically close the passenger seat vents in appropriate situations to reduce energy consumption.

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 in 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 the lap portion of the seatbelt around the hip joint (not the abdomen).

Note

- When measuring the seat cushion depth, 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 function.

Adjust the driver's seat through the switch:

1. Move the seat forward/backward.
2. Adjust the leg supports.
3. Adjust the seat height.
4. Adjust the backrest.
5. Adjust the lumbar support.

Adjust the front passenger's seat through the switch:

1. Adjust the backrest.
2. Move the seat forward/backward.
3. Adjust the seat height.

Adjusting the front seats with the CID

Tap "Vehicle Control → Quick Controls → Seat" on the CID to enter the seat 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 or leg support.

Caution

- Be careful when adjusting the seat to avoid the seat movement from hurting other occupants.

Caution

- 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.
- 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 remove the front seats by yourself.

Driver's Seat Memory Function

Tap "Vehicle Control → Quick Controls → Seat" on the CID to enter the seat control interface:

- Tap the "SAVE" button to save the current seat position information into your current driving habits.
- Tap the "RECOVER" button to extract the seat position information from the current driving habits.
- Tap the "SAVE AS A NEW DRIVING HABIT" button to save the current
- seat position information into a new driving habit.

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

- Tap "Vehicle Control → Vehicle Settings → Welcome Mode → Driver Seat Easy Entry" on the CID to turn on/off the welcome mode.
- Tap "Vehicle Control → Vehicle Settings → Welcome Mode → Welcome Chime" on the CID to turn off or select the sound played when the driver gets into the vehicle and closes the door.

Note

- When the Welcome Mode is turned on, the driver's seat will automatically move backward when the driver's door is opened; when you get in and close the door, the seat will automatically move forward to the memory position for easy get in/off.

Seat Ventilation/Heating

– Tap the button to turn on the heating for the corresponding seat, and the heating intensity will change by one level with each click of the button.

– Tap the button to turn on the driver's seat ventilation, and the ventilation intensity will change by one level with each tap of the button.

– Tap the "ALL OFF" button to deactivate all seat ventilation and heating functions.

Note

- The seat ventilation/heating function is at the max level of 3 by default when turned on, and each tap of the button will decrease the intensity by 1 level and turn on the corresponding level indicator.

Rear Seats

The rear seats in this vehicle are equipped with detachable backrests that can be folded forward independently.

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 the position for use. The headrest should not be adjusted to this 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 effect.

Children in Car

Instructions for Ride with Children

For the protection of children, install an appropriate child safety seat according to the child's age, weight and height, following strictly the instructions provided by the child safety seat manufacturer.

Sun Visor Label

See the following label mounted on the sun visor.

Warning

- Child is prohibited from sitting in the front passenger seat.
- Do not place a rear-facing child seat on the seat with airbag. Death or serious injury can occur.

Child Safety Seat Information

Mass Group		Front Passenger Seat	Rear Middle Seat	Rear Left/Right Seat
Group 0	10 kg	x	x	U
Group 0+	13 kg	x	x	U
Group I	9-18 kg	x	x	U/UF
Group II	15-25 kg	x	x	U/UF
Group III	22-36 kg	x	x	U/UF

Notes:

U: "Universal" child safety seats are suitable for this mass group.

UF: Forward-facing "universal" child safety seats are suitable for this mass group.

X: A seat that is not suitable for installing a child safety seat for this mass group.

Child Safety Seat Dimension Types

Dimension Type	Description
A	Full-height forward-facing child restraint system for toddlers
B	Reduced-height forward-facing child restraint system for toddlers
B1	Reduced-height forward-facing child restraint system for toddlers
C	Full-size rear-facing child restraint system for toddlers
D	Reduced-size rear-facing child restraint system for toddlers
E	Rear-facing child restraint systems for infants
F	Left-facing child restraint system (portable bed)
G	Right-facing child restraint system (portable bed)

Child Safety Seats Fixed by ISOFIX

Mass Group		Dimension Type	Fixture	Front Passenger Seat	Rear Middle Seat	Rear Left/ Right Seat
Portable crib		F	L1	x	x	x
		G	L2	x	x	x
Group 0	10 kg	E	R1	x	x	IL
Group 0+	13 kg	E	R1	x	x	IL
		D	R2	x	x	IL
		C	R3	x	x	IL
Group I	9-18 kg	D	R2	x	x	IL
		C	R3	x	x	IL
		B	F2	x	x	IUF
		B1	F2X	x	x	IUF
		A	F3	x	x	IUF

Notes:
IL: A seat that is suitable for installing a "vehicle-specific, restricted or semi-universal" ISOFIX child safety seat.
IUF: A seat that is suitable for installing an universal ISOFIX forward-facing child safety seat for this mass group.
X: A seat that is not suitable for installing an ISOFIX child safety seat.
ISOFIX: international standard for attachment points for child safety seats in passenger cars.

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 booster seat that meets the relevant regulations or standards. Use a booster seat to increase the child sitting height, so that the shoulder belt stays right in the middle of the child's shoulder and the crotch 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 both rear seats 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 child safety seat identification button.

The ISOFIX top tether points are located behind the headrests of rear seats on both sides and can be seen by opening the trim lids.

Installing an ISOFIX Child Safety Seat

The child safety seats can only be installed in the rear seats on both sides.

1. Place a child safety seat in the rear 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. Wrap the tether around the inner headrest position, open the trim lids of the anchor points, attach the hook and loop to the anchor points and tighten the tether.

Checking the Child Safety Seat

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

1. Secure the child safety seat by the seat belt path and try to slide 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 reconnect the seat.
3. If you cannot fasten the seat, try another seat position or replace the seat.

Warning

- Even if a child safety seat or raised seat is used, do not allow the child to sit in the front passenger seat and 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.
- Never use a forward-facing child safety seat until the child weighs more than 9 kg and can sit in the vehicle independently. Children under two years of age do not have a fully developed spine and neck and should avoid frontal impact injuries.

Warning

- 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 raised seats.
- 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.
- Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used to attach adult seat belts, or other items or equipment to the vehicle.

Warning

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

Child Locks

This vehicle is equipped with the electronic childproof locks on the rear side doors, which can prevent children from accidentally opening the rear doors through the inner door handles, reducing the risk of accidents.

Tap "Vehicle Control → Vehicle Settings → Child Lock" on the CID to enter the childproof lock interface:

- On: Click the "Left Rear Door Child Lock" or "Right Rear Door Child Lock" switch button. Then the switch button will come on in blue to indicate that the child lock is on.
- Off: Click the "Left Rear Door Child Lock" or "Right Rear Door Child Lock" switch button again. Then the switch button will go off in gray to indicate that the childproof lock is off.

Warning

- The rear doors cannot be opened from the inside when the child lock function is activated, so do not leave children alone in the vehicle.

Seat Belts

Advantage of Wearing Seat Belts Properly

Properly wearing seat belts can restrain the driver and passengers in restricted positions, reducing the risk of injury during a collision.

After a vehicle collision, seat belts 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, meanwhile assure them the best protection by the airbags and minimize the injury impact.

Caution

- 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 diagonal 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

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

Seat Belts with Collision Warning

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, eliminate 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. Level 2 collision pre-warning: When the seat belt receives an FCM warning signal during driving, the seat belt will vibrate to alert the driver.
4. Level 3 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 on 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 times for one function is triggered reaches the upper limit, the corresponding function will no longer be triggered, but other functions will not be affected. Please contact your local authorized service center for replacement in time.

Warning

- Do not modify or repair the seat belt by yourself, please have it inspected or repaired at your local authorized 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.
- 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.

Checking the Seat Belts

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

1. Check the seat belt, buckle and other devices for damage, modification, bleach, stain or dirts.
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 to prevent over-unreeling of the belt.

If any seat belt fails any of the above test, please contact your local authorized service center immediately.

Adjusting the Shoulder Belt Height

- Up: adjust the shoulder harness to the proper height by holding the guide and moving it upward.
- Down: press and hold the guide unlock switch and move down to adjust the shoulder harness to the proper height.
- After adjustment, check if the guide is securely locked.

Fastening the Seat Belt

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 to reduce the excess slack..

Unfastening the Seat Belt

1. Hold the seat belt latch.
2. Press the button on the belt buckle.
3. Continue to hold the seat belt latch until 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 crotch 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 for better advice.

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

If the front passenger forgets to wear the seat belt, the corresponding seat belt indicator light on the dashboard will flash with an intermittent beep.

If any rear passenger forgets to wear their seat belt, the corresponding seat belt indicator light on the dashboard will flash. (This function is disabled by default.)

– The reminder of indicator light can be turned on via CID: “Vehicle Control → Vehicle Settings→ Seat Belt → Rear-Seat Belt Reminder”.

If all passengers have fastened their seat belts but the indicator light is still flashing, re-buckle the seat belts to

ensure that they are properly locked.

Seat Belt Precautions

Caution

- 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 harness 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 crotch 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.
- 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 your local service center for replacement.

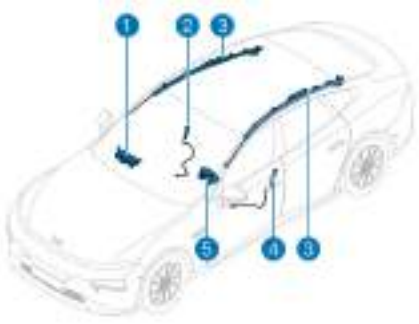
Caution

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

Airbags

Airbag Positions

The airbags are located in the areas shown in the figures below. The air bag warning message is attached on the sun visor.



1. Passenger seat front airbag
2. Passenger seat side airbag
3. Curtain airbag
4. Driver seat side airbag
5. Driver seat front 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 not all types of accidents will trigger them.

Auxiliary Protection System Indicator Light

The indicator light will come on when the vehicle is powered on and go off after system self-inspection. If the indicator light does not go off after the system self-inspection or goes off and then comes on again, it indicates the airbag system is faulty. Please contact your local service center for troubleshooting as soon as possible.

How Do Airbags Work

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

The airbags may deploy in the following situations:

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

The airbags 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 deploying, the airbags will release a fine powder that will irritate the skin and should be thoroughly cleaned up.

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.

If the airbags have deployed or the vehicle has been involved in an accident, contact your local authorized service center promptly to have the airbags, seat belts, and other related components checked.

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 occupant detection system.
- Airbag deployment with considerable speed and force may result in personal injury. To prevent injury, ensure that all the occupants in the vehicle fasten seat belts properly.
- Don't use a child safety seat in the front seat with an airbag and don't allow a child sit in the front seat. Otherwise, if the airbag deploys, it could cause injury or death to the child.

Warning

- Passengers must not lean their heads against the doors, otherwise, injury may happen if the curtain airbag deploys.
- 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.
- Don't give load or put any objects above or near the front airbags, or side of the front seat,side of the canopy,or on the airbag's cover which may interfere the airbag's deployment. As these items can cause serious injury if the vehicle is involved in a violent collision that causes the airbags to deploy.
- After deployment, the airbag components may heat up. Please do not touch them with your hands. Wait for them to cool completely, and contact your local authorized service center for replacement.
- 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.

Warning

- Do not modify the airbag cover or add any parts near it.

Electronic Parking Brake System (EPB)

Pull On/Off Parking Brake

- On: When the vehicle is stationary, lift up the EPB switch or shift into gear P, the (P) indicator light on the dashboard will come on, indicating that the EPB is successfully on.
- Off: When the vehicle is stationary, press the brake pedal and press the EPB switch, the (P) indicator light on the dashboard will go out, indicating that the EPB is successfully off. The EPB cannot be turned off by pressing the EPB switch when the vehicle is in gear P.

Note

- The system will make a running voice when the EPB is pulled on/off, which is a normal phenomenon.
- After the EPB is on, if the vehicle cannot be powered on and the EPB cannot be pulled off due to a dead 12V battery, try to pull off it by jumper power connection or contact your local authorized service center.

Caution

- If the parking brake cannot be pulled on/off manually, contact the XPENG service center for troubleshooting as soon as possible.
- Do not drive the vehicle without releasing the parking brake, otherwise it can easily damage the electronic parking brake system.

Dynamic Parking Brake

– If a sudden emergency such as braking failure occurs during driving, lift the EPB switch to turn on the dynamic parking brake. Then the vehicle will decelerate at a certain speed until it is braked to the stationary state or the EPB switch is released.

  ► The dashboard will display "Dynamic Braking".

Caution

- When ESP fails, the dynamic parking brake is applied using the EPB. As the EPB only acts on the rear wheels, it is recommended not to use the dynamic parking brake in non-emergency situations, otherwise it can easily cause an accident and shorten the life of the EPB.

AutoHold

When you need to park your vehicle temporarily, press the brake pedal deeply after the vehicle stops, and the instrument panel indicator (Ⓐ) is on. At this time, you do not need to continue pressing the brake pedal as the AutoHold will be activated for you to keep the vehicle stopped. When you press the accelerator pedal and start driving, AutoHold will automatically disable.

– Tap "Vehicle Control → Vehicle Settings → Driving → AutoHold" on the CID to activate/deactivate AutoHold.

Note

- To trigger AutoHold, the driver door must be closed, the seat belt is fastened and gear is in D, R or N.

Warning

- AutoHold cannot exceed the laws of kinematics, so please enable the parking brake according to the road conditions.

Electronic Stability Program (ESP)

The ESP identifies the vehicle's driving states (e.g. in the event of understeer, oversteer or driving wheel slipping) through the sensor, and allows targeted braking intervention or driving torque limitation to effectively reduce the risk of sideslip or drift to ensure the vehicle's driving stability.

Turning On/Off with CID

– Tap "Vehicle Control → Vehicle Settings → Driving → Electronic Stability Program" on the CID to turn on/off ESP.

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.
- 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.

Warning

- ESP cannot prevent accidents caused by dangerous driving or high-speed emergency steering.
- If the ESP fails, contact your local authorized service center for troubleshooting as soon as possible.

Anti-Lock Braking System (ABS)

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 at this point, which indicates that the ABS is working. At this time, there is no need to panic, just drive according to road conditions.

When the ABS fails, the basic braking function still works normally, 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).

Electronic Brake Assist (EBA)

In case of an emergency, when you quickly step on and hold the brake pedal, the EBA will generate a higher brake pressure than that generated during normal braking. By doing so, EBA allows the braking system to generate the pressure required for maximum deceleration 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.

Atmospheric Pleasure

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

Turning On/Off Ambient Lights Mode

– Enter the ambient light control interface via "Vehicle Control→Ambient Light" of the CID, and tap the switch to turn on or off the ambient light.

Brightness Adjustment and Color Selection

– When the ambient light is on, you can adjust the brightness of the ambient light manually, or select the automatic brightness.

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

Ambient Lights Mode

– When the ambient light is turned on, four ambient light modes are available: "Normal, Breathing, Speed, Music ".

- ► Normal and Breathing are available in two colors
- ► When the music mode is selected, the ambient light will move in rhythm with the music when playing the music.

Light Signal System

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:

- 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.
- Play light signal when charging: When the vehicle is being charged, the "charging" light signal will be triggered.

Access the switch control screen via the "Vehicle Control → Lights→Light Settings" on the CID.

- Tap the "Light Signal System" switch to turn the Light Signal System on or off.

Radar

The vehicle is equipped with two types of radars, i.e., ultrasonic radars and short-range radars (SRRs).

- Ultrasonic sensors provide detection information for parking systems and full-scene Intelligent Parking Assist Systems.
- Millimeter-wave radar provides detection information for intelligent safety and automated assisted driving.

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 sensors (mounted in front and rear bumpers)

2 SRRs (mounted in front and rear bumpers)

Radar Maintenance

- To ensure the proper operation of radars, keep them clean without ice, snow, water, dust, and other foreign objects attached.
- When a foreign object is attached to the radar surface, wipe it with a soft cloth or clean it with water (low-pressure water). Do not flush the radars with a high-pressure water gun, and do not clean them with abrasive or sharp objects.

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.
- When the radar is damaged, please contact your local authorized service center for replacement or repair.

Warning

- The radars cannot work properly in all driving situations or traffic, weather and road conditions, so please drive carefully and always pay attention to driving safety.
- It is not allowed to install license plate frame or other objects around the front and rear license plates in order to minimize interference with radars and cameras.
- The license plate should be maintained and serviced regularly to prevent warping and deformation from causing the radar to work abnormally. If any radar or camera works improperly, please contact your authorized service center as soon as possible.

Restrictions and Errors

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

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.)
- 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.
- Vehicle bumping or shaking caused by uneven roads or other factors.
- The objects detected are too small.
- There is interference from acoustic sound sources with the same frequency around.

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

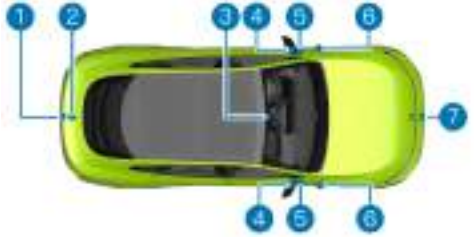
Cameras

This vehicle is equipped with five types of cameras: surround view camera, in-vehicle front view camera, autopilot monocular camera, front trinocular camera and forward-facing monocular camera.

- The forward-facing monocular camera and the front trinocular camera provide detection information for intelligent safety and intelligent driving assistance.
- Surround view cameras provide detection information for intelligent safety, full-scene Intelligent Parking Assist Systems.

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. Rear monocular camera (mounted above the rear license plate)
2. Rear AVM camera (mounted above the rear license plate)
3. Front trinocular camera/forward-facing monocular camera (mounted on the windshield above the inside rearview mirror)
4. Left/right surround view camera (mounted on outside rearview mirror)
5. Left/right rearview mirror side monocular camera (mounted on the exterior rear-view mirrors)
6. Left/right fender monocular camera (mounted on the fender)
7. Front AVM camera (mounted above the front license plate)

Camera Maintenance

- To ensure cameras work properly, they must be kept clean without ice, snow, water, dust, and other foreign objects attached.
- To ensure the camera works properly, 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

- When the camera is damaged, please promptly contact your local authorized service center for replacement or repair.
- It is not allowed to install license plate frame or other objects around the front and rear license plates in order to minimize interference with radars and cameras.
- Cameras cannot work properly in all driving situations or traffic, weather and road conditions, so please drive carefully and always pay attention to driving safety.

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 ambient condition, while obscuring may disable the camera.

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

- Dark (poor lighting conditions) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- Weather conditions (heavy rain, snow, fog, extremely hot or cold temperatures) interfere with the operation of the camera.
- The camera is facing the direction of a light source, or the illumination intensity is insufficient.
- The camera surface is attached with foreign objects such as ice, snow, water, and dust.
- Dramatic changes in light (e.g. entering and leaving a tunnel).
- 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.

Parking System

The parking system assists the driver in observing and sensing the surroundings during low speed driving or parking, providing visual and audible warnings or alerts to the driver when there are obstacles in the vicinity that impede driving or parking.

The parking system can assist the driver in:

- Detection of obstacles around the vehicle.
- Providing vehicle backup footage or panoramic image.
- Providing information on the distance between the vehicle and obstacle.

Information about the parking system:

- Parking radars (front, rear, side) Refer to Page 112.
- Around View Monitor (AVM) Refer to Page 115.

Warning

- The parking system only provides parking and low-speed driving assistance to the driver, it cannot replace the driver's control of the vehicle and the parking system has some degree of limitation, please drive carefully and park safely.
- The parking system does not work properly in all conditions of all weather, road and traffic conditions.

Parking Radars

Parking radars can detect obstacles ahead when the vehicle is moving forward at a low speed and warn the driver when the vehicle is approaching the obstacle to assist in avoiding the risk of collision.

When the vehicle is backing up, the parking radars will detect the surroundings of the vehicle, no matter the obstacle is in front or behind. As long as the obstacle is close to the vehicle, the parking radars will send warning messages to the driver to ensure the safety of backing up.

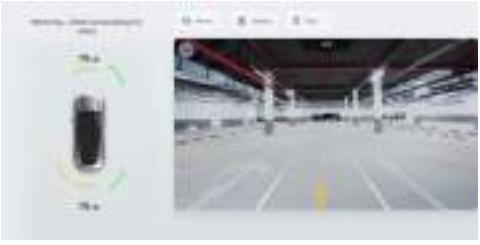
Warning Messages Include:

1. Visual warnings

As the distance between this vehicle and the obstacle decreases, the warning messages are as follows:

Dashboard display

CID display



- Area in green indicates that the vehicle is close to an obstacle.
- Area in yellow indicates the risk of collision.
- Red area indicates an imminent collision.

2. Audible warning message: buzzer warning

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

Mounting Positions of Parking Radars

– When the vehicle is put into D gear, the 1 2 3 4 9 11 ultrasonic sensors will activate to detect obstacles in front of the vehicle.

– When the vehicle is shifted into R gear, all ultrasonic sensors will be activated to detect obstacles around the vehicle.

Warning

- During Intelligent Parking Assist, the audible warning messages from the parking radar will be diminished, but there will still be the necessary warning messages and you will need to watch for them when they are issued by the parking radar and apply the brakes if necessary.
- The parking radar will automatically exit when the vehicle speed is greater than 12 km/h.
- 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.
- 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.

Restrictions and Errors:

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

- Radars are restricted. (For radar restrictions, Refer to Page 109.)
- The warning from the parking radars may be delayed when the vehicle is approaching an obstacle at a very fast speed.
- The parking radar will still warn when the obstacle is soft (such as a drawn-up weeds) that would not damage the vehicle.

Around View Monitor (AVM)

1 Transparent chassis: tap on the 360 icon, the chassis will turn to a transparent view to allow visualizing around view of the vehicle.

2 Image display area: displays the image acquired by the camera.

3 View angle switch button: tap front, back, left, right end to switch camera view. Select 2D/3D camera and the image display area will show the corresponding screen according to the selected camera.

4 Photo mode button: tap to select the photo mode.

5 Video mode button: tap to select the video mode.

6 Shoot photo/video:

- Tap to take a picture when in photo mode.
- Tap to start recording or end recording when in video mode.

7 Album: tap to enter the album to view the photos or videos taken by the camera.

Forward Collision Mitigation

Forward Collision Mitigation includes two active safety assistance features, Forward Collision Warning (FCW) and Automatic Emergency Braking (AEB), which prevent vehicle collisions or reduce the speed of a vehicle collision and are used to improve the safety of drivers and passengers.

In the event of a forward collision risk, FCW will warn the driver visually, acoustically, and tactilely until the driver applies the brakes within a reasonable time or the risk of collision has passed. Otherwise, the vehicle will automatically apply the brakes.

Forward Collision Mitigation may apply short and sharp braking for different collision risks, which is not a normal driving style for most drivers and therefore causes them to feel uncomfortable.

If the risk of collision further increases, the AEB function will intervene, regardless of whether the driver has applied the brakes or not.

After Forward Collision Mitigation successfully avoids a collision, the vehicle will remain stationary for a short period of time and the driver should take proactive action as soon as possible.

Warning Messages:

1. Text warning: FCW/EBA has been enabled.
2. Visual warning in case of emergency.

3. Acoustic warning: The dashboard speaker will sound a warning.
4. Tactile warning: Seat belt tightened.

Turning On/Off with CID

– After the vehicle is Ready, Forward Collision Mitigation is on by default. Tap "Vehicle Control → XPILOT → Forward Collision Mitigation" to turn on/off FCM.

– When the function is turned off, both FCW and AEB will be turned off at the same time.

Warning

- Before using the Forward Collision Mitigation, refer to this section for guidelines and limitations on the use of the feature.
- Forward Collision Mitigation 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. Always observe road conditions when driving and never rely on Forward Collision Mitigation to warn of or avoid possible collisions. Many factors can degrade or affect the performance of the Forward Collision Mitigation, resulting in unnecessary, ineffective, or inaccurate warnings, brake interventions, or omissions. Relying on the Forward Collision Mitigation to avoid collisions may result in serious personal injury or death.
- 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 Forward Collision Mitigation, so be sure to drive with caution.

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 of travel. Relying on the AEB to avoid a collision may result in serious personal injury or death.
- 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.
- Forward Collision Mitigation 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 Forward Collision Mitigation not be turned off. If it is turned off, the vehicle will not be able to warn or automatically apply the brakes when a collision is likely to occur.
- Forward Collision Mitigation is only applicable for the prevention of frontal collisions and will not work when the vehicle is in R gear.

Warning

- If traffic conditions or external influences prevent the cameras and radar from correctly detecting other objects such as pedestrians, cyclists, vehicles, etc., warning and braking intervention may be delayed or not applied at all.
- The Forward Collision Mitigation may only work when driving at speeds between 30 km/h and 150 km/h.

Restrictions and Errors:

Forward Collision Mitigation does not always detects vehicles, bike-riders, pedestrians or other objects, and unnecessary, untimely or ineffective 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 Forward Collision Mitigation cannot issue warning/apply brake 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. (For radar restrictions, Refer to Page 109.)
- Cameras are restricted. (For camera restrictions, Refer to Page 111.)
- When this 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.

All of the above warnings and restrictions do not exhaust all of the situations that may prevent the proper operation of the Forward Collision Mitigation These functions may also fail to deliver the desired effect for many other reasons. It is the driver's responsibility to remain alert and be aware of the area next to the vehicle in order to anticipate whether an early corrective action is required to avoid collisions.

When the Forward Collision Mitigation fails, the XPILOT System light will lit on your dashboard. Please contact your local authorized service center.

Lane Departure Warning (LDW)

Designed to help drivers reduce the risk of accidental vehicle lane drift on highways, expressways and similar arterial roads, LDW will warn drivers visually, audibly, and tactilely.

The LDW function is enabled when the speed is greater than or equal to 60 km/h and the road markings are clearly visible.

When the turning lamp indicator is on or the driver has obvious steering intentions (e.g., turning the steering wheel quickly, braking, accelerating with deep throttle, turning on the hazard warning lights, etc.), LDW will not issue a warning.

Warning Messages:

1. Visual warning message.
2. Acoustic warning: The dashboard speaker will sound a warning.
3. Tactile warning message: steering wheel vibration.

Turning On/Off with CID

- After the vehicle is Ready, the LDW switch status defaults to the last operation status. Tap "Vehicle Control → XPILOT → Lane Departure Warning" to turn on/off LDW.
- If the LDW function is malfunctioning and the LDW switch is off, a notification of "Malfunctioning, cannot be turned on" once you tap on the "Lane Departure Warning". Please contact your local authorized service center.

Warning

- The LDW is an assistance function of driver only and is not a substitute for direct visual inspection. Do not rely on the LDW function alerting you about accidental departure from the lane boundary; The LDW does not work in all driving situations or in traffic, weather and road conditions.
- It is the driver's responsibility to remain alert, observe the lanes, and always be aware of other road users. Otherwise, serious injury or death may occur.
- The LDW can only issue a warning message of lane departure and cannot intervene in the steering of the vehicle.
- You should always bear the ultimate responsibility for ensuring the safe driving of your vehicle and should be in compliance with applicable laws and road traffic rules.

Restrictions and Errors:

LDW cannot clearly detect the lane lines at all times. You may receive a useless or invalid alert when:

- The road is narrow or winding.
- 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 merging).
- Objects or landscape features project on lanes, forming large shadows.

The LDW may miss warnings or give false warnings:

- Cameras are restricted. (For camera restrictions, Refer to Page 111.)
- Weather conditions (heavy rain, snow, fog, extremely hot or cold temperatures) interfere with the operation of the camera.

The above warnings and restrictions do not exhaust all situations that may interfere with the LDW function. There are a number of factors that can cause failure of LDW. To avoid collision, drivers need to be alert and keep an eye on the road at all times to anticipate the need for early corrective actions.

Blind Spot Security

Blind Spot Security contains two active safety assist functions, i.e. Blind Spot Detection (BSD) and Lane Change Alert (LCA), which are designed to warn the driver about another vehicle diagonally behind and to the side of the vehicle, thus providing assistance in multi-lane co-directional traffic conditions.

BSD provides warnings to the driver about vehicles in the blind spot, while LCA provides warnings to the driver about fast approaching vehicles in the immediate left and right lanes.

Schematic of Detection Areas

Warning Message

When Blind Spot Security is in the warning state, the driver shall avoid making lane changes, and if the driver turns on the turn signal indicator on the warning side at this time, the blind zone warning light of exterior rear-view mirror on that side will flash to send warning signal.

Turning On/Off with CID

- When the vehicle is Ready, the Blind Spot Security switch status defaults to the last operating status. Switch on or off via "Vehicle Control→XPILOT→Blind Spot Security".
- If the Blind Spot Security function is malfunctioning and the Blind Spot Security switch is off, a notification of "Malfunctioning, cannot be turned on" once you tap on the "Blind Spot Security" switch. Please contact your local authorized service center.

Warning

- In the case of a sharp turn, the Blind Spot Security will not work.
- The Blind Spot Security does not work when reversing.

Warning

- Blind Spot Security is an assisted driving 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 relax. It is always the driver's responsibility to change lanes in a safe manner.

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. (For radar restrictions, Refer to Page 109.)
- The presence of bulky, moving metal objects at the blind spot.

The above warnings and restrictions do not exhaust all the situations that may interfere with Blind Spot Security function. There are varieties of factors that can lead to the failure of Blind Spot Security. In order to avoid collisions, drivers need to remain alert when driving vehicles and always keep an eye on the road so that they can change lanes when it is safe to do so.

Rear Cross Traffic Alert (RCTA)

RCTA is a driver assistance feature that is used to warn the driver of oncoming traffic on either side when reversing.

Schematic Illustration of Detection Range

The RCTA is a supplement to the Blind Spot Security and is primarily used to detect vehicles. Under favorable conditions, smaller objects, such as cyclists, can also be detected.

Warning Message

RCTA is enabled only when backing up. If the system detects an object approaching from the rear side of the vehicle, a warning pattern will be displayed on the dashboard and a warning sound will be issued from the CID.

Turning On/Off with CID

- After the vehicle is Ready, the RCTA switch status defaults to the last operating status. Tap "Vehicle Control → XPILOT → Rear Cross Traffic Alert" to turn on/off RCTA.
- If the RCTA function is malfunctioning and the RCTA switch is off, a notification of "Malfunctioning, cannot be turned on" once you tap on the "Rear Cross Traffic Alert" switch. Please contact your local authorized service center.

Warning

- RCTA is a driving assist feature and does not work in all situations.
- RCTA is not a substitute for safe driving and the functions of interior and exterior rear-view mirrors.
- The use of RCTA in no way means that the driver can do nothing and be relax. It is always the driver's responsibility to back up in a safe manner.

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. (For radar restrictions, Refer to Page 109.)
- The presence of bulky, moving metal objects at the blind spot.
- The object to be detected is too fast.

The above warnings and restrictions do not exhaust all situations that may interfere with the RCTA function. There are a number of factors that can cause failure of RCTA. To avoid a collision, drivers need to be alert when driving vehicles and always keep an eye on the road so that they can back up when it is safe.

Rearward Collision Warning (RCW)

RCW is a driver assistance feature that is used to warn the driver of the risk of a collision behind them while driving. When the vehicle behind is too close to the vehicle and there is a risk of collision, a rear hazard graphic will be displayed on the dashboard.

Schematic Illustration of Detection Range

RCW complements rearward safety assistance and is primarily used to detect vehicles. Under favorable conditions, smaller objects, such as cyclists, can also be detected.

Warning Messages:

1. Visual warning in case of emergency.

Turning On/Off with CID

- After the vehicle is Ready, the RCW switch status defaults to the last operation status. Tap "Vehicle Control → XPILOT → Rear Collision Warning" to turn on/off RCW.
- If the RCW function is malfunctioning and the RCW switch is off, a notification of "Malfunctioning, cannot be turned on" once you tap on the "Rear Collision Warning" switch. Please contact your local authorized service center.

Rear Cross Traffic Alert (RCTA) warnings and restrictions also apply to RCW. Please refer to RCTA warnings and restrictions. Refer to Page 124.

Door Opening Warning

When the vehicle is stationary, the Door Open Warning (DOW) can detect targets such as vehicles, riders or pedestrians approaching the vehicle from the rear through the side and rear sensors. When the DOW detects a target approaching and the driver or the passenger opens the door, it will issue a warning alert, aiming to alert the driver and the passenger to avoid the danger of scraping with the target when opening the door at this time.

Schematic Illustration of the Detection Area

Warning Message

When a target approaches the stationary vehicle, the DOW will illuminate the warning indicator, at which point the driver or the passenger should avoid opening the door and confirm that it is safe to open the door first. If the driver or passenger opens the door on the alarm side at this time, the warning indicator will flash, accompanied by a warning sound and the door ambient light on the corresponding side, to alert the driver or passenger to be careful and be safe.

Turning On/Off with CID

– After the vehicle is Ready, the DOW switch status defaults to the last operation status. Tap "Vehicle control → XPILOT → Door Opening Warning" to turn on/off DOW.

– If the DOW fails and the DOW switch is displayed in gray and inoperable, please contact your local authorized service center.

Warning

- The door opening warning function is only active when this vehicle is stationary, it will not work when the vehicle is moving.
- Even when this vehicle is stationary, the door opening warning 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 excessively on the door opening warning function.
- The DOW aims to remind the driver and passengers to pay attention to the safety of the opening environment when opening the door, limited by the performance of the sensor and the complexity of the traffic environment, there is a possibility of unnecessary warning or no warning, so 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.

Restrictions and Errors

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

- Radars are restricted. (For radar restrictions, Refer to Page 109.)
- Targets are small or static.
- The target is going 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 warnings and restrictions do not include all situations that may interfere with the DOW function. There are many factors that can cause the DOW to malfunction. To avoid the risk of scratching when opening the door, please remember to observe whether the door opening environment is safe and suitable.

Intelligent Parking Assist

Please perform Intelligent Parking Assist as per following steps:

1. Drive slowly at a speed lower than 24 km/h, and observe the dashboard until a parking space icon is displayed on the dashboard.

Note

- Only when an acceptable parking space is found, and the vehicle position and the surroundings meet the Intelligent Parking Assist requirements will the parking icon show up.
- During the search for a parking space, please keep your vehicle within a 1-2 m lateral distance from the parking space.

2. Stop the vehicle, keep the status of braking, check and confirm whether the parking space is appropriate and safe. If the parking space is appropriate for parking, switch to gear R, and Intelligent Parking Assist interface will appear on the CID at this time.

3. Tap the "Start" button on the Intelligent Parking Assist interface, the vehicle will start to enter the parking space. The driver needs to keep observing the surroundings to make sure the Intelligent Parking Assist process is safe.

4. "Parking completed" will be displayed on the CID after parking.

Note

- During Intelligent Parking Assist, when applying the brake pedal, Intelligent Parking Assist will be suspended, and when tapping the "Continue" button, parking will be resumed.

Intelligent Parking Assist supports vertical and parallel parking spaces. For the parking space without parking space line, there shall be other vehicles or large objects on the left and the right sides of a vertical parking space (on the front and the back sides of a parallel parking space). If the parking space has clear parking space line and good illumination, the Intelligent Parking Assist system can detect the parking space even if there are no reference objects on both sides of the parking space.

Canceling Intelligent Parking Assist

The Intelligent Parking Assist system cancels when:

- Intelligent Parking Assist will cancel automatically if the diver turns the steering wheel manually or applies the brake to shift gear when Intelligent Parking Assist is in progress.
- Parking can be canceled by tapping the Exit button on the parking screen before parking starts.
- Intelligent Parking Assist paused for more than 30s without resuming.
- Pause of Intelligent Parking Assist for more than twice due to operations of opening the door, applying accelerator pedal or brake pedal.

Warning

- The performance of the Intelligent Parking Assist depends on the environmental detection and identification ability of the ultrasonic sensor and the around view cameras.
- The Intelligent Parking Assist system may not always be able to detect parking spaces 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 Intelligent Parking Assist system is able to avoid obstacles and suspend automatically, the driver needs to be ready at any time due to the restrictions of the sensor.
- Intelligent Parking Assist at a narrow place will restrict the sensor's ability to detect the position of an obstacle precisely, which 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.

Restrictions and Errors

The Intelligent Parking Assist System 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.).
- Curbs are not made of stone, or are undetectable, and if parked improperly, the vehicle's tires and rims can be damaged by the curb.
- One or more ultrasonic sensors, surround view cameras are defaced 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 sensor.
- 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 differences 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 Intelligent Parking Assist.
- Modifying a vehicle or having a vehicle serviced at a non-local authorized service center may result in the Intelligent Parking Assist being affected and susceptible to scrapes/collisions during the Intelligent Parking Assist process.
- Many unforeseen circumstances can affect the ability of the Intelligent Parking Assist system to park the vehicle into a parking space. Be sure to keep in mind that the Intelligent Parking Assist System may not be able to maneuver the vehicle properly for various reasons. Be aware that even when Intelligent Parking Assist is in progress, always be ready to take over the controls of the vehicle immediately.
- The Intelligent Parking Assist system is only a driving aid, not a consistently and correctly fully automated function, 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.

Intelligent Parking out Assist

After the Intelligent Parking Assist has finished parking, Intelligent Parking out Assist can be used after restarting the vehicle as long as the vehicle has not been moved. Just shift the vehicle into R or tap at the side of the CID to enable it.

1. Observe the area in front of the vehicle for suitability and safety.

2. After confirming the safety condition, keep the brake pedal applied, put it into R gear and tap the "Start" button on the Intelligent Parking Assist interface.

3. The vehicle will start to exit the parking space. The driver needs to keep observing the surroundings to make sure the process is safe.
4. "Departed from the Parking Spot" will be displayed on the CID after exiting the parking spot.

Note

- During Intelligent Parking Out, when the brake pedal or accelerator pedal applied, Intelligent Parking Assist spot departure will be suspended, and when tapping the "Continue" button to resume.

Cancellation operations, warnings and restrictions applied to Intelligent Parking Assist are also applied to Intelligent Parking Assist Spot Departure function, see Warnings and Restrictions for Intelligent Parking Assist (Refer to Page 131.

Super Intelligent Parking Assist (With Voice Control Intelligent Parking Assist)

Super Intelligent Parking Assist assistance is an enhanced Intelligent Parking Assist system. In the Super Intelligent

Parking Assist mode, parking space identification will be visual in a real-time manner. Unavailable parking spaces will be displayed in special forms, and available parking spaces that are passed by within certain range will be memorized and displayed on the CID, so that the driver can choose one to park.

In the Super Intelligent Parking Assist mode, the interface of Intelligent Parking Assist system will always be present, unless it is turned off actively by the driver.

When approaching the commonly used parking space, please operate as per following steps for Super Intelligent Parking Assist, so as to park the vehicle at the commonly used parking space:

1. Tap the button on the bottom left corner of the CID to enter the Super Intelligent Parking Assist mode, no matter the vehicle is moving or stopped.
2. When the voice conversation system is activated, input "I want to park" by voice.

3. When the Intelligent Parking Assist detects available parking spaces, and the vehicle is stopped safely, the driver can choose the target parking space and tap "Start" for Intelligent Parking Assist.

The same warnings and restrictions applied to Intelligent Parking Assist function apply to Super Intelligent Parking Assist as well, see Warnings and Restrictions for Intelligent Parking Assist (Refer to Page 131..

Adaptive Cruise Control (ACC)

ACC is a driving assist function that can help improve comfort of driving. If the road ahead is clear of traffic, ACC will keep the vehicle driving forward at the set maximum cruise speed. If a preceding vehicle is detected, ACC will slow down the vehicle as needed and keep a distance from the preceding vehicle based on the time selected until a proper cruise speed is reached.

When ACC is activated, the driver still needs to observe the road conditions ahead and apply the brake when necessary.

ACC is primarily used for driving on dry, straight roads such as highways. ACC is not recommended for use on urban roads.

Operating Adaptive Cruise Control (ACC)

After the vehicle is Ready, unless a preceding vehicle is detected, ACC can be enabled only when the speed exceeds 15 km/h. If vehicles are detected ahead, ACC can be started at any driving speed, even zero km/h, with at least 2 m from the preceding vehicle.

The minimum speed is set as 30 km/h, and the maximum as 120 km/h. The driver is obliged to set safe cruise speeds according to the road conditions and speed limits.

– When the dashboard displays a gray indicator light (90), it indicates that ACC is available, but not yet activated.

– In this state, the ACC system is ready and the shift lever is pushed all the way down once (i.e. XPILOT gear) and then released to enable the ACC function.
– To return the cruise control to the previously set speed, pivot the shift lever down to the bottom once (i.e. XPILOT gear) stay for 1 s to release.
– When ACC is activated, the indicator on the dashboard turns blue (90).

When ACC is enabled, it is not necessary for you to control the accelerator pedal. Instead, ACC can have the control. If no vehicle is detected in front, ACC will keep the set speed. If a vehicle is detected in front, ACC will accelerate or decelerate as required, and keep the vehicle-following distance set by you while traveling at the set speed.

In addition, ACC will adjust the speed properly when entering and leaving a bend.

You can accelerate at any time when driving at the set speed in ACC status. However, when you release the accelerator pedal, the vehicle will return to the set speed.

When following a vehicle, ACC is available during low-speed driving. When the vehicle in front stops, ACC will control the vehicle to stop, too. When the vehicle moves again, ACC will restore work at the current set speed.

However, ACC enters the holding state rather than resumes operation in the following cases, and the dashboard will display a message to remind you to resume cruise control:

- The vehicle is stopped for more than 90 s.
- The ultrasonic sensor detects a close obstacle or pedestrian in front of the vehicle.
- The vehicle suddenly cannot detect the preceding vehicle.

To resume ACC, please press the accelerator pedal.

Adjusting the Vehicle-Following Distance

- If you want to adjust your distance with preceding vehicle, please tab the left/right button on the left of your steering wheel. Every setting is corresponding to a time-based distance, which represents the time required for the vehicle to reach the rear of the preceding vehicle starting from current position.
- The system will memorize the driver's following distance settings. Each time the vehicle is Ready again, the following distance of the last time will be applied by default.

– When short pressing the left/right button in the left area of the steering wheel, the dashboard displays the current settings.

When ACC actively decelerates to keep the selected distance from the preceding vehicle, the brake light will light up to remind other road users that you are decelerating. When ACC is controlling the vehicle to accelerate, the accelerator pedal will not move.

Adjusting the Maximum Cruise Speed

To change the set speed when ACC is activated, press the up/down button in the area left of the steering wheel until the desired set speed is displayed and then release.

– Short press up/down button and release, you can accelerate/decelerate for a single time. The cruise set speed changes 5 km/h for each short press.
– Long press the up/down button to continuously accelerate/decelerate, and the set speed changes continuously by 1 km/h until the button is released or the set maximum/minimum speed is reached.
– You can also update maximum cruise speed by depressing the accelerator pedal while flickering down the gear shift.

Caution

- If the vehicle does not detect a preceding vehicle that is traveling at a slower speed than the set speed, it may take several seconds to reach the new cruise speed.

Cancellation and Resume of ACC

– You can cancel ACC manually by pulling the cruise control handle shortly towards R/N direction or applying the brake pedal. The speedometer icon on the dashboard turns gray or disappears, indicating that ACC is not controlling the vehicle speed.

– If you want to resume cruise at current driving speed, just turn on the ACC function.

Caution

- When ACC is canceled, the energy regeneration braking will slow the vehicle down in the same way as taking your feet off the accelerator pedal for deceleration when there is no ACC.
- The ACC capability may be affected in non-sales countries.

Warning

- The ACC is a driving assistance function that cannot handle all traffic, weather, and road conditions.
- Please read all chapters on ACC in the manual to understand its restrictions. Drivers should be fully aware of the 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.

Warning

- Although ACC can detect cyclists, it is important not to reduce speed excessively in response to this, always observe the road ahead, and be prepared to take corrective actions at all times, as over-reliance can lead to serious injury or death.
- Do not use ACC on winding roads, roads with sharp bends, icy or slippery roads, or under weather conditions when driving at an even speed is unsuitable (such as heavy rain, snow, fog, etc.). ACC system is unable to adjust the driving speed based on road conditions and driving conditions.
- When there are other vehicles that suddenly accelerate or move to the front of the vehicle at a short distance, ACC cannot brake/decelerate in time.
- 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.
- Never rely solely on the ACC to sufficiently reduce the speed to avoid collisions. Always observe the road ahead and be prepared to take immediate corrective actions.

Warning

- Do not use ACC on city roads or in changing road conditions.
- For stationary vehicles or objects, 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.
- 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.

Restrictions

The ACC may be disabled or unavailable when:

1. Brake pedal is pressed.
2. Driving speed exceeds 120 km/h.
3. The vehicle is shifted into another gear.
4. The driver's seat belt is unbuckled.
5. Any door is opened.
6. The front trunk lid is open.
7. The radar is obscured. Radar may be obscured by mud, ice, snow, etc.
8. Anti-lock Braking System (ABS) is activated.
9. Electronic Parking Brake (EPB) is applied.
10. Traction Control System (TCS) is activated.
11. Automatic Emergency Braking (AEB) is activated.
12. Airbag ejects.
13. Tire pressures are abnormal.
14. The system is malfunctioning or in need of repair.
15. Wipers are in HI gear.

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

- Unexpected 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.

ACC is particularly unsuitable for the following situations:

- Roads with sharp turns, or poor road conditions such as slippery or icy roads.
- Radars are restricted. (For radar restrictions, Refer to Page 109.)
- 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 constraints do not cover all the conditions that can affect the proper operation of the ACC.

Lane Centering Control (LCC)

The LCC is a driving assist function that improves driving comfort. LCC is only available when the Adaptive Cruise Control (ACC) has been activated. When the LCC is activated, the system can assist the driver in controlling the steering wheel and keeping the vehicle in the center of the current lane at all times.

The LCC is suitable for highways and dry roads with clear lane lines and shall be disabled on city streets. After it is enabled, the drivers shall keep their hands on the steering wheel at all times and take over when necessary.

Lane Centering Control (LCC) Operations:

– If a gray steering wheel icon appears on the right side of the dashboard, it means that the LCC is available, but not activated.

– Activate the LCC function by flicking the shift lever down to the bottom twice in succession (i.e. XPILOT gear) and then releasing it.

– Upon successful activation of the LCC, the steering wheel icon on the dashboard will turn blue with a function entry tone.

At this time, the LCC can assist the driver in controlling the steering wheel and the speed remains controlled by the ACC.

Turning On/Off with CID

Turning on the Lane Centering Control switch for the first time requires you to study relevant knowledge and pass an assisted driving test.

– After the vehicle is Ready, the LCC switch defaults to the last operating. When the vehicle is in P, tap "Vehicle Control → XPILOT → Lane Centering Control" to turn on/off LCC.

You Need to Timely Respond to the Take-Over Request of the Steering Wheel

When the LCC detects that you are not holding the steering wheel, it will send you a take-over request through the dashboard signaling "Please turn the steering wheel gently", and at the same time, a take-over alert warning tone will sound.

If the system detects that you have failed to take over the vehicle several times, the function will actively exit to ensure safe driving.

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

Caution

- The LCC capability may be affected in non-sales countries.

Warning

- Please read all chapters regarding the LCC and be aware of the restrictions before using the functions.
- LCC is an assisted driving function and is not fully Intelligent, You still need to keep your hands on the steering wheel at all times when LCC is activated so that you can take over the vehicle in the event of potential risk.
- If the driver fails to drive attentively, LCC may exit.
- 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

- 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 adverse weather (e.g. rain, snow, fog), or on roads where pedestrians or cyclists may pass through.
- Do not use the LCC on winding roads, roads with sharp bends, bumpy, 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.
- Do not use the LCC at traffic intersections.
- 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 diversions.
- When the LCC cannot be used or is disabled, the system cannot assist the driver in keeping 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.
- 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.

Restrictions

The LCC may be disabled or unavailable when:

1. ACC exits or fails to be activated. Refer to Page 135.
2. Brake pedal is pressed.
3. Steering wheel is turned manually.
4. Driving speed exceeds 120 km/h.

5. Lane conditions are not met.
6. The vehicle is shifted into another gear.
7. The driver's seat belt is unbuckled.
8. Warning lights are turned on.
9. Any door is opened.
10. The radar is obscured. Radar may be obscured by mud, ice, snow, etc.
11. Tire pressure detection system alarms.
12. Wipers are in LO or HI.
13. The system is malfunctioning or in need of repair.
14. Road conditions are not met.

LCC should not be used in the following cases:

- Roads with sharp turns, or poor road conditions such as bumpy, slippery, or icy roads.
- Sloping roads, or uphill or downhill sections.
- 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.).
- Excessive wear, coverage, and disappearance of lane lines, overlapping of old and new lane lines, temporary adjustments, or rapid changes due to road construction (e.g., lane bifurcating, crossing, or merging).
- Objects or landscape features project on lanes, forming large shadows.
- Road surfaces with text or traffic signs.
- Radars are restricted. (For radar restrictions, Refer to Page 109.)
- Cameras are restricted. (For camera restrictions, Refer to Page 111.)
- Radars or cameras are obscured (by dust, cover, etc.), or the weather conditions are poor (e.g. heavy rain, snow, dense fog).
- LCC 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 LCC.

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

Active Lane Change (ALC)*

ALC is a comfortable driving assist feature based on Lance Centering Control (LCC). On unobstructed highways or urban expressways, this feature can assist the driver to change lanes as instructed.

ALC is suitable for unobstructed highways and dry roads with clear lane lines, and shall be disabled on city streets.

Turning On/Off with CID

– After the vehicle is Ready, the ALC switch defaults to the last operating state. After shifting the gear to P, tap “Vehicle Control → XPILOT → Active Lane Change” to turn on/off ALC.

How to Use ALC:

After LCC is activated and the steering wheel icon turns blue at the right side of the dashboard, when the driving speed is 65–120 km/h with the Blind Spot Security switch on, ALC is available. At this time, follow the steps below to use ALC:

1. Confirm the driving environment is safe and suitable for a lane change;
2. Turn on the corresponding turning light after lane changing safety is confirmed;
3. When ALC intelligently assists the driver to change lanes, always keep an eye on the lanes and take over the vehicle in time when necessary.
4. Turn off the turning light after changing lanes. At this point, LCC continues to assist the driver in keeping the vehicle in the center of the lane.

ALC cannot assist the driver to make lane changes continuously, but only one lane change at one time. To change lanes again, repeat the above steps.

After a turning light is on and ALC is activated, the vehicle will enter the pending lane change mode, and the LCD screen of the dashboard will display the information as follows:

When you turn off or turn on the turning light in the reverse direction before the vehicle crosses the boundary of the current lane, the lane change will be canceled. At this time, the LCD screen of the dashboard will display the following:

If ALC judges that the current driving environment is inappropriate for a lane change, the dashboard will display the prompt as follows:

Warning

- 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.

Warning

- Please carefully read all information about ALC in this Manual to understand its restrictions and limitations before using the function.
- Do not use ALC on ramps, junctions, or divergences of highways or other roads.
- Please use ALC with caution at turning, as the system may be unable to provide lane change assist.
- 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.

Warning

- ALC may occasionally recognize road conditions that allow lane change as disallowed, and you need to change lanes manually in this case.
- ALC may be unable to accurately detect the lane change environment on heavy-traffic roads. Please use it with caution.
- 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.

Restrictions

Do not use ALC in the following cases:

- 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.).
- 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).
- Objects or landscape features project on lanes, forming large shadows.
- Radars are restricted (For radar restrictions, Refer to Page 109.).
- Cameras are restricted (For radar restrictions, Refer to Page 111.).
- Radars or cameras are obscured (by dust, cover, etc.), or the weather conditions are poor (e.g. heavy rain, snow, dense fog).
- 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.

XPILOT Simulation Display System

XPILOT Intelligent Driving Simulation Display System is part of the assisted driving system and displays the vehicle's real-time detected external environment, including lane lines, and other traffic participants, through the dashboard.

Warning

- XPILOT Intelligent Driving 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; reliance on the XPILOT Intelligent Driving Simulation Display System can cause serious personal injury or death.
- The monitoring range of the cameras and sensors associated with the XPILOT Intelligent Driving Simulation Display System is limited and road and weather conditions may adversely affect its function, so always drive with caution.

Restrictions and Errors

The XPILOT Intelligent Driving 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 or sticker blocking, etc.).
- Cameras are restricted. (For camera restrictions, Refer to Page 111.)
- 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.

All of the foregoing warnings and restrictions do not exhaust the situations that may prevent the XPILOT Intelligent Driving Simulation Display System from functioning properly, and these features may not function as intended for many other reasons, and it is the driver's responsibility to remain alert and aware of the area next to the vehicle in order to drive safely.

Initialization

The system initialization process starts when the XmartOS system is booted for the first time or when the factory settings are restored.

- After the process is started, the vehicle starts initializing.
- After the initialization is completed, the system enters the setting page. Please read the Privacy Policy of Center Information Display (CID) as prompted and accept the permission agreement. If you do not accept the agreement, you cannot use the CID function.

Terms of Use for Maps, Terms of Use for Voice

- Read the Terms of Use for Maps and theTerms of Use for Voice as prompted on the page and accept the license agreement. If you do not accept the agreement, you may not use the Map or Voice functions.

Driving Habits

Setting portal for driving habits

– Tap the avatar button on the status bar and then Driving habits to enter the home page for Driving habits settings.

Function description

– Save your own and your family and friends' driving preferences so that the best driving configuration can be quickly called up for different drivers.

– Supports creating up to 10 driving habits, and you can delete or add driving habits. The name of the driver habit can be edited. You can switch to different driving habits when in P gear.

– Driving habits settings include seat and mirror adjustment, light signal and ambient lighting, door and window locks and wipers, sound volume, shortcuts, font and time. After adjusting the setting items, you can save and update your adjustments.

Interface Introduction

Quick Action Bar

1. Apps Portal
- Tap to go to the list of apps.
2. Vehicle Control
- Tap the icon to expand/close the vehicle control panel.
3. Park/Rearview camera
- Tap to expand the full screen page of the Intelligent Parking Assist function or the rearview camera screen.
4. Air conditioning
- Tap to expand/close the air conditioning panel; click the arrows to turn up/down the driver seat temperature; press this area and hold to adjust the driver seat temperature by swiping directly on the current page.
5. Music
- Tap to expand/close the multimedia page, including online music, online radio, etc.
6. Phone Bluetooth Connection
- Tap to enter the Bluetooth Phone interface.

Status Bar

1. Central lock

– Tap the switch to open or close this function; the status is also displayed in this area when the physical button on the driver's door is operated.

2. Front defrost and defog

– Tap to turn on the front defrost and defog.

3. XPENG brand logo

– Tap to expand the System Information page.

– This function page contains basic information about the on-board system, update history, and the OTA upgrade portal.

4. Power management

– Tao to expand/close the charging function panel.

5. Bluetooth

– Tap to expand/close the drop-down menu of Bluetooth settings.

– The Bluetooth drop-down menu contains a list of Bluetooth devices, with types including Bluetooth switches, connected devices, paired devices, and available devices.

6. Wi-Fi

– Tap to expand/close the drop-down menu of the Wi-Fi wireless network.

– The drop-down menu of the Wi-Fi wireless network contains a list of networks, including connected networks, available networks, and the Wi-Fi switch.

– Users can turn to system settings for more.

7. network

– Display the vehicle network.

My App List

Tap  on the home page to go to the list interface.

My Apps

– Display the apps that come with on-board system.

Vehicle Control

Once the vehicle is powered on, tap to enter the vehicle control interface.

1. Driving Mode

— The vehicle is available in three driving modes: "Standard, Sport, Eco".

- Standard: moderate power response with a balance of range and driving performance.
- Sport: faster power response for maximum acceleration and more fun to drive.
- Economy: smooth power response for greater range.

2. 3D vehicle models

— Slide the vehicle model up and down, left and right to adjust the visual angle freely.

— The model provides realistic feedback on the status of vehicle's front and rear lights, doors, charging cover, front and rear trunks, and other vehicle body parts.

3. Energy Regeneration Mode

— The vehicle offers two modes of energy regeneration, "low and high".

— Low: Low energy regeneration ensures a better driving experience.

— High: High energy regeneration gives the vehicle a longer range.

4. Seat adjustment

— Click the seat adjustment interface to adjust the driver seat and the passenger seat.

5. Window adjustment

— Tap the window adjustment interface to adjust the front and rear windows.

6. Rear-view mirror adjustment

— Tap to access the rear-view mirror adjustment screen to adjust the left and right mirrors.

7. Charging port switch

– When the charging port cover is opened, the button is marked as "On" and when it is closed, the button is marked as "Off".

– You can try to correct the charging port cover status by tapping the charging port button in case of abnormal charging port cover status.

Note

- The charging cover cannot be closed after the charging gun has been inserted.
- It is not possible to open and close the charging cover manually while driving, the opened cover will be closed automatically.

8. Back trunk unlocking

– Tap the "Unlock Trunk" button to unlock the trunk.

9. Left front door switch

– Tap the "Open" or "Close" button, and the door on the corresponding side will automatically open or close.

System Settings

Bluetooth

- Bluetooth switch: Tap the switch to turn Bluetooth on and off.
- Paired devices: display the currently connected Bluetooth devices and remember the list of previously paired Bluetooth devices. You can choose to disconnect a connected device or ignore a paired device. If the device is ignored, it will not be automatically connected in the future.
- New devices available: displays the Bluetooth devices that are currently within the Bluetooth pairing range.
- Bluetooth name: tap "Edit" to change the name.
- Visibility: Users can choose to turn off visibility when Bluetooth is on to prevent other devices from searching for the unit, and the vehicle will remember the visibility state if you keep it until vehicle is powered off and resume it when you power on next time.

Wi-Fi

- Wi-Fi switch: tap the switch to turn Bluetooth on and off.
- Select a network: tap on the found Wi-Fi and enter the correct password to complete the Wi-Fi connection.

Note

- Some apps may be downloaded automatically via Wi-Fi, so please pay attention to the data usage when using your phone hotspot.

– Ignore network: tap on the connected Wi-Fi, a box will pop up, tap on "Ignore Network", the system will ignore the network and will not automatically connect to this network next time.

Sound

– Sound Effects: tap to enter the Sound Effects setting.

– Sound Effects setting: select "General, Hi-Fi".

– Dynaudio sound effect setting: select "Dynamic, Vocal, Authentic, Soft".

– Sound field setting: drag around within the blue area.

- Media volume: Drag the cursor to adjust the volume of "Music, Radio, Video, Games, etc.".
- Speech volume: Drag the cursor to adjust the volume of "voice interaction, ringtone".
- Navigation volume: Drag the cursor to adjust the volume of the "Navigation broadcast".
- Safety Alerts: Select the volume level of the instrument tone from "soft, medium, or loud".

- System Sounds: Tap to turn it on or off.
- Headrest mode*: shared, driver, private.
  - Shared mode: All sounds not played from the headrest.
  - Driver mode: Driver-related sounds (navigation, phone, alarms) are outputted from the headrests, while music and speech still come out of the speakers of the whole vehicle.
  - Private mode: all sounds played by the headrest.
- Volume drops with door open: Media volume is automatically reduced when the driver's door is opened. Click the button to turn it on or off.
- Volume drops in reverse: Media volume is automatically reduced when the vehicle is in R. Click the button to turn it on or off.

Display

- Dashboard Brightness: Drag the cursor to adjust the dashboard display brightness.
- Touchscreen Brightness: Drag the cursor to adjust the CID display brightness, voice adjustment is supported.
- Smart brightness adaptation: Automatically dims the screen when entering into a low light environment in the day.
- Auto Brightness: automatically adjusts the screen brightness according to the ambient light.

- Day/Night mode: Select "Day, Night, Auto"; when Auto is on, the system will automatically change the Day/Night mode according to the local sunrise and sunset time.
- Text Size: Select between "SMALLER" and "LARGER".
- Time Format: Select between "24-HOUR" and "12-HOUR".
- Screen cleaning mode: click to turn on screen cleaning mode to effectively see stains on the screen.

Privacy

- Map Service: The map function is not available when the switch is turned off.
- Voice Service: The voice function is not available after the switch is turned off.
- Privacy Policy: Tap "View" to check the privacy policy.
- Restore to Defaults: Tap "Reset" to restore the factory default settings.

Phone Bluetooth Connection

If your mobile phone is within the effective range, you can use your mobile phone with Bluetooth for hands-free use in XPENG vehicles. Before you can use your phone with XPENG vehicles, you must pair it. If the phone is in range, your XPENG vehicle will always automatically connect to that the latest used phone.

Note

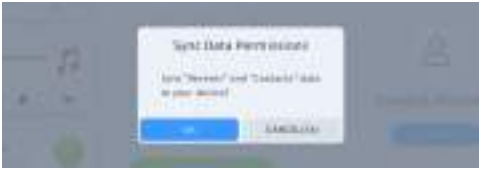
- On some phones, Bluetooth will be disabled when the phone's battery is low.

Connection via Bluetooth

– On your phone, enable Bluetooth and set it to be visible.
– Open System Settings, turn on Bluetooth by tapping the Bluetooth switch.

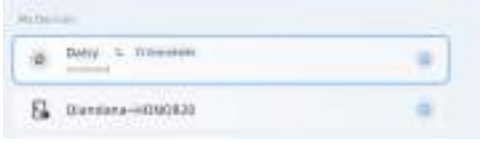
– Tap the "Search" button to search for available devices nearby.

– Tap the phone you want to pair, the CID will display a randomly generated number and your phone will display the same number.
– After confirming that the generated numbers are the same, confirm on your phone that you wish to pair. When paired, your XPENG vehicle will automatically connect to the phone.



– After successfully connecting, the system will actively ask you if you want to synchronize your contacts. Upon your consent, the system will automatically import the contact information.

Disconnecting Bluetooth



– Go to the System Settings screen and tap the "Disconnect" icon in the list of paired devices to disconnect the currently connected device.

Connecting to a Paired Phone

– If Bluetooth is turned on, the vehicle automatically connects to the most recently connected phone. If you need to connect to another paired phone, just select the phone you want to connect to in the paired list.

Making Phone Calls

You can make phone calls by the following methods:

– Tap the "Apps" button on the touchscreen and then the "Bluetooth Phone" button to enter the call screen.

– Enter the phone number on the dial keyboard.

– Tap the dial button to make a call.

Answering Calls

– When a call comes in, the number or name of the caller will be displayed on the dashboard and the CID (if the caller is in the address book and the contacts have been accessed by XPENG vehicle) Tap the "Answer" or "Reject" button on the CID or use the confirmation key on the right side of the steering wheel to answer and the return key on the right side of the steering wheel to end the call.

Charging Display

Tap the icon in the status bar of the CID to enter the charging function panel. Refer to Page 155.

1. Tap to turn off the charging function interface.
2. Tap to open or close the charging port cover.
3. Charging information display area.
4. Tap to set the charge limit value.
5. Tap to turn on or off the Preheat Battery function.
6. Tap to turn on or off the scheduled charging function.

OTA Upgrade

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.

- Any data consumption by the system upgrade will be borne by Xpeng Inc., and the data in users' data plan will not be consumed so that users will not pay the data cost arising from the system upgrade.
- When the vehicle is connected to the network, it will automatically receive the upgrade push, please make sure the vehicle is connected to the Internet.
- System upgrades are pushed in batches of vehicle types, so please be patient.
- Please contact your local authorized service center for additional questions.

Entering the Upgrade Interface

Tap the button on the status bar to enter the system upgrade interface.

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

- The message box will prompt a new version when a new version is available for update.
- Tap “ABOUT THIS UPDATE” to view the update notes when a new version is available on the “System Information” interface.

Upgrade Operations

- When a new software can be upgraded, tap “Update to New Version” to enter the version description interface, and tap “Update to New Version” again to enter the upgrade scheduling interface.
- Select the update time, tap “SET FOR THIS TIME”, and the system will be updated when it reaches the set time and the vehicle is locked.

Precautions for Update

- Please make sure the vehicle is 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.
- If the update fails, do not use the vehicle. Tap “Retry” for the update. If multiple retries fail, please contact your local authorized service centre.

Navigation

The NAV application is designed to provide an intuitive and convenient navigation experience for your daily driving. The fully integrated navigation system brings together the best of in-car dependability and robust connected cloud services. Get reliable directions and current traffic conditions so you know exactly what to expect on your way. The system works best with its cloud-connected services, but you’ll also get a seamless, full-featured navigation experience when connectivity is unavailable.

Launch Nav application

- The Nav application is the default home screen of the infotainment system. You can also always access it by tapping on the map icon on the top domain bar.

Navigation Home Screen

– The Nav application is the default home screen of the infotainment system. You can also always access it by tapping on the map icon on the top domain bar.

1 Search button:

– Click on magnifier button to launch one-box search bar.

2 Setting button:

– Click on this button for adjusting variety of navigation settings

3 Nearby Traffic event button:

– Launch real time traffic event list for better understanding the traffic status around your vehicle

4 CVP Direction:

– The direction your vehicle is heading (eg. S: South, N:North, NW: North West). CVP stands for “Current Vehicle Position”.

5 Current Road label:

– Helping you to understand the current road name.

6 CVP icon:

– This is where your vehicle is on the map.

7 Destination Card

– A card showing the Estimated Time of Arrival (ETA) to key destinations you set up in the system.

Search

– The Nav application is the default home screen of the infotainment system. You can also always access it by tapping on the map icon on the top domain bar.

One Box Search

– With strong amount search listings, you'll always find what you need wherever you are with One-box Search. Get relevant suggestions as you type to find your what you're looking for even faster.

Search from Voice Input

– Click the voice command button on steering wheel, or wake up the car's voice assistant, and the navigation can listen to your voice commands to help you search in a hands-free way while you drive. Find an address or POI by speaking what you're looking for so you can keep your eyes and focus on the road.

Search from Recents List

– Search from Recents List Quickly revisit your previous destinations. The search main interface allows you to select POI or address from your past destination and begin driving.

Search from Favorites

– Never lose those places you love. Save your favorite destinations and easily access them from the home or search interface. You no longer have to search and input information–just a couple of taps and go!

Search from POI Categories

– Quickly browse through a list of relevant suggestions without having to input any details. Get access to a list of nearby suggestions for popular POI categories with just a simple tap.

One Box Search

– With strong amount search listings, you'll always find what you need wherever you are with One-box Search. Get relevant suggestions as you type to find your what you're looking for even faster.

– The system offers 2 types of suggestion: word suggestions, showing up under the search bar, helping to type less, and destinations auto-suggestions, providing the most probable place you may want to visit, without having to tap on enter.

Search from Recents List

– Quickly revisit your previous destinations. The search main interface allows you to select POI or address from your past destination and begin driving.

Search from Favorites

– Never lose those places you love. Save your favorite destinations and easily access them from the home or search interface. You no longer have to search and input information–just a few taps and go!

Search from POI Categories

– Quickly browse through a list of relevant suggestions without having to input any details. Get access to a list of nearby suggestions for popular POI categories with just a simple tap.

POI Details

– No need to search for destination details across multiple apps, they're all conveniently located on one page. Our navigation will always show you where the nearest coffee shops, restaurants, gas stations and more are located on the interactive map. Choose your most important POI categories from the Options menu and always see them displayed on the map, no matter where you are.

Rich POI Details

– Get all of the details that matter about your destination before you hit the road. For charging stations, you can see charging network information, the total pile number, connector type, charging power, live availability, etc. as well as nearby amenities. Have peace of mind knowing you're getting the most detailed info you need for your

vehicle. (These rich information are available for a selection of POI.)

Traffic

– On map view, touch the ··· icon to access traffic setting, and then turn on the “Show Traffic on Map” function. You’ll always have access to real time updated traffic conditions and traffic events around you before you hit the road. Traffic is constantly monitored and updated during your drive to ensure you know what’s up ahead. Get up-to-date traffic flows for freeways, major streets and side roads and the most efficient routes to choose from, all calculated in real-time.

Traffic Events

– Click the icon in navigation home interface, you can easily find the along route or nearby traffic events and plan the trip ahead.

Active Guidance

– You’ll be provided with clear, easy-to-see turn-by-turn directions on the center screen and voice guidance through vehicle speakers so you know exactly where to go. Minimize stress on upcoming maneuvers as the easy-to-understand guidance will let you know exactly where to turn and when.

1 Turn-By-Turn and Lane Guidance

— Worrying about what is your next maneuver and which lane to take in order to make the next turn? Try referring to this useful and accurate lane guidance tool. Follow the highlighted lane in this indicator to make the right action next.

2 Turn List

— This shortcut will open the turn list: a detailed list of all the next maneuver on your route, with informationn about the distance, road names, ad the possibility to avoid some specific streets.

3 Voice guidance on/off

— Tap this button to turn on/off the voice guidance.

4 Traffic bar and traffic event icons (& route overview shortcut)

— Analog bar to display the real time traffic status for the whole trip. Blue means free flow, while yellow and red means slow traffic flow and serious congestion. Different icons on this bar indicate that there will be certain traffic event ahead of your route so you can make certain preparations.

— Tapping the traffic bar will switch between the route overview and active guidance views.

Avoid a road segment

– In active guidance mode

Add/Edit Waypoints

– Need to make a stop along the way? It's easy, add a stop on your route or near your final destination and

navigation will automatically calculate it into your route. This eliminates the need to search and get a driving path for each destination. Once you reach your waypoint stop, you'll automatically be routed to the next destination without having to input any additional information.

In active guidance mode:

Key Destination Card

– Make going to work and driving home everyday even more convenient. Set up key destination card so you get one-tap navigation from your home screen. Always know your estimated drive time and route options to the places

that mean the most to you no matter where you are.

– You can manually set key destinations from navigation home screen in bellowing sequence: clicking "..." -> "More Settings" -> "Destination Card". You can set and edit the address in the box below "Home" and "Work". You can also reset 'Work' to different labels as you prefer.

Options and Settings

– Tap ··· icon to "Options" menu, the following options are listed:

Map Direction

Touch the icon to change the map type, the icons and labels will be updated accordingly., available settings include:

– 3D Heading Up: 3D map with head up. In this mode, the current position icon will always keep the head of the car facing up, and the map will rotate around it.

- 2D Heading Up: 2D map with head up. In this mode, the current position icon will always keep the head of the car facing up, and the map will rotate around it.
- 2D North Up: A 2D map with north up. In this mode, as the vehicle turns left and right, the current position icon will switch directions.

Traffic On/Off

- Tap it to turn off/on the option “showing traffic on map”.

Show on map

- You no longer have to worry about finding an EV Charge station when battery is low or finding a place to park when you’re in a new area. You’ll automatically be shown EV charge stations around you with hours and pricing as well as where to park and how much it cost. You can also choose to display additional POI icons on your map.

Edit Destinations

- Refer to “Add/Edit Waypoints” section.

Avoid on Route

Choose any road features to avoid on routes, such as:

- Highways
- Unpaved roads
- Carpool lanes
- Ferries
- Toll roads
- Tunnels
- Country borders

EV Preferences

Touch the icon to set the EV charger parameters

- Charging speed (normal, semi-fast, fast, super fast)
- Connector types
- Charging station networks

Map Preferences

Tap to choose the basic map configurations to display.

- 3D Landmark (ON by default) - This setting can be turned ON or OFF. When it is turned ON, the system shall display all 3D Landmarks on the map when zooming in from level 5 and beyond.
- 3D Building (OFF by default) - This setting can be turned ON or OFF. When it is turned ON, the system shall display all possible 3D Building
- shapes on the map when zooming in from level 3 and beyond.
- Show Terrain in 3D (OFF by default) - This setting can be turned ON or OFF. When it is turned ON, the system shall display terrain info on the map in 3D view.

Navigation Preferences

Touch to access the navigation preferences. These choices are:

- Auto Zoom (ON by default) - This setting can be turned ON or OFF. When it is turned ON, the system shall automatically adjust the map zoom to a proper zoom level for viewing enough details when the vehicle is approaching a turn. After the user has completed the turn, the system automatically brings the zoom level back to the original level.
- Preferred Route: There are two different route options, Fastest and Eco-Friendly. “Fastest” presents the route with the shortest drive time and “Eco-Friendly” provides a much smoother routing experience with straight road preference and less vehicle idle time (depending on actual driving environment, may differ by region and driving time).

Auto Rerouting: The following options are available for rerouting:

- Auto Reroute to Better Route - Automatically recalculate better routes-if the system detects a traffic problem ahead, the system will automatically reroute.
- Ask Before Rerouting (selected by default) - If the system detects a traffic problem ahead, the system will display a pop-up window with detailed information about the problem and you can choose to reroute or cancel.
- Never search for better routes - the system will not search for better routes.

More Settings

Alert Preferences

Tap on to access the alert preference screen.

- Road Safety
- Traffic Camera Alerts - display any upcoming traffic cameras
- Toll Gate Alerts
- Traffic Events Alert

Manage History:

Tap to access the History options. These options are:

- Clear Recent Destinations - Touch to clear the recent destinations
- Clear Search History - Touch to clear the search history
- Clear Favorites - Touch to clear all favorites you saved with one click

About :

Touch to display software information, such as:

- Navigation Version
- Map Data Version
- Connected Service Expiration

Other navigation features

Map Information

– Road network characteristics are included in the map database of map information. Features include street name, street address, and turn restrictions. The detailed area includes all main roads, side roads and community roads. Detailed areas include points of interest (POI), such as restaurants, airports, banks, hospitals, police stations, gas stations, tourist attractions, and historical monuments. The map database may not include new areas or corrections to the map database completed after drawing. In the detailed map area, the navigation system provides complete route guidance.

Interaction with the map

You can interact with the navigation display by touching different areas of the screen. To explore the map, you can:

Zoom in:

– Spread the index finger and thumb out
– Double tap with one finger

Zoom out:

– Pinch the index finger and thumb in
– Double tap with two fingers

Pan:

– Drag one finger left, right, forward or backward

Rotate map:

– Place thumb and index finger on map and rotate both to the left or right

Change between 2D and 3D view:

– Place two fingers on the map and swipe up or down

Mute

– In active guidance mode, audio prompts can be muted when using navigation. Touch the speaker icon on the left

Autozoom

– When a turn is about to be made, the map will automatically zoom in to show the vehicle icon and the upcoming maneuver to provide a better view of the turn. After the turn is completed, the system will return to the previous zoom level.

When There Is No Better Route

– During active guidance, if the system determines that an accident has occurred in the front but there is no better route, the system will play a prompt tone and display a quick notification. This operation only happens once per incident

Junction View

– When the vehicle is driving on the highway and approaching the exit, the image of the lane will be displayed on the screen, and the vehicle must remain in this lane to complete the next turning maneuver.

Expressway Exit List

– Touch the exit icon to the right of the current road name below the map to open the exit list. This icon is only displayed when the expressway has a clear exit.

– When driving on a road with a designated exit, you may be able to use the exit list. The exit list will show the number of exits, the distance between the current vehicle location and the exit, and convenient parking spots that may be available, such as gas stations, restaurants, and residences.

Traffic Event Warning

– During active and inactive guidance, traffic event warning icons and traffic flow data will be displayed on the map.

Close Guidance and Resume Trip

– Touch Cancel icon in the upper right corner to end the active guidance and return to the non-active guidance. If the active guidance is cancelled before reaching the destination, a pop-up window will appear on the screen, allowing you to choose whether to “Resume Trip”.

– If you have previously canceled the active guidance, you can resume the trip by touching the “Resume Trip” pop-up window option.

Route Options

– See up to three different driving paths and ETA to get to your destination and choose your preferred route. Your route options will also consider current road closures and traffic conditions.

– You won't have to worry about encountering unexpected road closures, rerouting, and traffic.

Add, Remove, Rename or Reorder a Favorite

– Click the favorite icon to add current POI to favorite. You can also remove, rename or reorder an address from the

favorite list. Any address in the recent list can be added (or removed) to the favorites by having a long press on ☆, and be removed from recent list by having a long press on the address or selecting the option in the menu that appears.

VR Features

Find POI on free drive mode

- You can look for destinations (POI, POI categories, addresses, cities) using the voice assistant to have a safer driving experience. A new route will be started if you select a result.
- You can try to say things like “Hey Xpeng, find coffee shops nearby”. You can also try “drive home” or “go to work”.

Find POI on active guidance mode

– When you're already in an active route and decide to use the voice assistant for addresses or POI search, the POI you select will be added to your current trip as a new waypoint. If you're looking for a category (like coffee shop or charging stations), the results will be provided along your route.

Cluster

Free Drive Mode

– In Free drive mode, you'll be provided with your current vehicle position on map.

Acitve Guidance Mode

- In active guidance mode, you'll see your current position on the map along with your active route, turn by turn information and lane guidance.

Download and Use

The Xpeng App is the smart interconnected solution for vehicle usage scenarios. Here, you can not only control your vehicle anytime and anywhere, enjoy the charging services and owner services that save money and trouble, but also get the first-hand official information and activities, participate in community interaction, making your car life more relaxed and fun.

Download the App on Your Phone

You can get the Xpeng App from the following ways:

1. iOS: Open the App Store and search "Xpeng" to download and install.
2. Android: Open Google Play and search for "Xpeng" to download and install.
3. Visit the official website of Xpeng Motors (https://heyxpeng.com/) to get the installation package.

Account Registration and Login

You can register or log in by choosing one of the following methods:

1. Email Registration: With an available email address, you can register easily with a verification code.
2. Password Login: Support using email or phone number with a password for quick login.
3. Linked Accounts One Click Registration/Login: With a Google or other linked account, you can register or log in with only one click.

Account Modification and Cancellation

- If you want to change the email address/mobile phone number bound to your XPENG account, you can go to the “Account-Setting-Email/Phone” in the app to change it.
- If you wish to cancel your XPENG account, please call our customer service hotline at +47-800-17060. Upon cancellation of your account, we will stop providing you with products or services and delete your personal information as required by law.

Car Control with Xpeng App

The App's car controls include remote control and Bluetooth control. The software interface may vary due to iterative optimization of the version, subject to the actual display of the device.

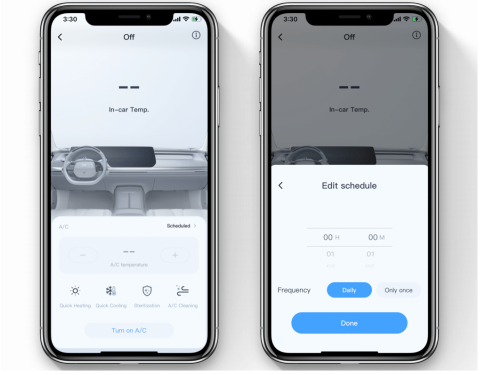
Remote Vehicle Control

The remote control mode supports real-time viewing of the vehicle's current mileage range and other functions including but not limited to: unlocking/locking the doors (not starting the vehicle), T-park, opening or closing the charging port cover, window ventilation, switching the air conditioner and adjusting the temperature, turning the air conditioner rapid mode on or off, high temperature sterilization, air conditioner cleaning, flashing lights and horn, etc.

1. Vehicle status

- Door locking control: Click the "Lock" button to lock the doors.
- Door unlocking control: Click the "Unlock" button to unlock the doors. (Please note: the vehicle cannot be started when the doors are only unlocked remotely using the 4G network)
- T-park control: Click on the "T-park" button to perform a temporary stop.
- Window control: Click the "Window" button to use the one-touch ventilation function to ventilate the interior and exterior of the vehicle, or close the windows.
- Charging port cover control: Click the "Charging Port" button to open or close the charging port cover. If the operation fails, check if the charging port cover is abnormal or not.

1. AC control



In the remote vehicle control mode, after turning on A/C button and turning on any mode, you can check the temperature of the vehicle in real time or select other functions, including adjusting the temperature, quick heating, quick cooling, scheduled turning on, etc.

- Quick mode: including "Quick Heating" and "Quick Cooling", helping you to turn on the maximum heating/cooling mode of the air conditioner with one click, making smart travel more comfortable.
- Scheduled turning on: After setting the timer remotely, the air conditioner will turn on at the specified time; Scheduled turning on also supports setting the frequency of the timer.

2. Find my vehicle

The location of the vehicle can be confirmed by sounding the horn and flashing the lights.

- Flashing lights: When the button is clicked, the vehicle flashes its lights.
- Honk: When the button is clicked, the vehicle honks.

It is recommended that you keep an eye on your vehicle's condition regularly to keep it at an optimal state.

Traction Battery Maintenance

The traction battery will slowly self-discharge even when the vehicle is not in use. When the state of charge (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 range, 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 battery 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 on every 3 months. If the battery shows 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 low voltage.

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 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 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 stand 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 stand sockets to avoid damage to the latter.

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 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 align the tires every 5,000-8,000 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. It is recommended that tires be replaced every three years or 40,000 km (whichever comes first), or earlier if necessary (e.g. if the tire tread wears down to the wear mark, if a foreign object scratches or punctures the surface of the tire).

Caution

- For your safety, only use tires and hubs that match the original specifications. If the tires do not match the original specifications, the operation of the Tire Pressure Monitoring System (TPMS) may be affected.

Warning

- Do not modify the wheel and tire pressure monitoring device, which may reduce the safety of the vehicle's operation.

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 the 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 your local authorized 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 your local authorized service center as soon as possible to check wheel balancing and wheel alignment.
- 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 unexpected accident (e.g. loss control of the vehicle) and 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 vehicle's tire repair kit). Other types of tire sealants may cause failure to the tire pressure sensor.

Tire Pressure Monitoring System (TPMS)

TPMS can monitor the tire pressure and temperature in real time, and give an alarm with the data information of tire pressure and temperature on the dashboard to remind the user to maintain reasonable tire pressure. If the dashboard gives a tire pressure alarm, please stop and check the tires as soon as possible and inflate them to the proper pressure.

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 rest for 17 min before performing the tire pressure calibration.
2. Enter the vehicle control interface through "Vehicle Control - Status" on the CID, and click the "TPMS RESET" button to start calibrating the tire pressure.
3. When the vehicle has run at a speed over 40 Km/h for 10 min, the TPMS calibration is complete.

Use of Snow Chain

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. The P7 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.
- 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.

Exterior Cleaning

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 edges from outside.

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 next washing time.

When cleaning the exterior of the body, follow the steps below:

1. Preparations before cleaning

— Close the doors, back trunk 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 wash 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. Keep the nozzle moving and instead of keep spraying water at a certain spot all the time. Do not spray water towards the charging port.
- Do not spray water from the hose directly toward the windows, door seals, or through the wheel hub holes into the brake parts.
- 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 of 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. If damaged, please contact your local authorized 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 follow the instructions below for cleaning.

  - Clean the windshield with a non-abrasive glass cleaner.
  - Turn on the wiper service mode via "Vehicle Control → Status → Maintenance Mode → Wiper Maintenance Mode" on the CID, lift the wiper arm from the windshield slightly so you can get close to the wiper blade, then wipe the wiper blade clean with isopropyl alcohol (rubbing) 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

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 Dashboard

- Clean the CID and dashboard 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 micro fiber).
- Wiping the CID after enabling cleaning mode. This way, you will not accidentally activate the buttons and change the settings. Tap "System Settings → Display → Screen Clean Mode" on the CID, then the display becomes darker and dust and smudges are more easily visible.

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 Motors. 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.
- The use of solvents (including alcohol), bleach, citrus cleaners, naphtha, silicone-based products, or additives can damage the interior.
- Static charged substances can cause damage to the CID and dashboard.
- If you notice any damage to the airbags or seat belts, contact your local authorized service center as soon as possible.
- Do not allow any water, cleaning agents, or fabrics to enter the safety belt unit.

Coolant Level Check

The cooling system is filled with coolant when the vehicle leaves the factory and 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 Motors approved coolant promptly.

Refill the coolant

1. Remove the upper trim panel of the front trunk.
2. Unscrew the reservoir cap and fill it with coolant.
   - To maximize the performance and life of the traction battery, motor, and heating system, a specific type of coolant should be chosen accordingly (with different freezing points depending on the lowest temperature in the location).

Check Brake Fluid

If the fluid level in the brake fluid reservoir falls below the recommended level, the brake indicator light on the dashboard will light on as an alarm. If the alarm is set while driving, pull over if it is safe to do so and do not continue driving; also, contact your local authorized service center as soon as possible.

Warning

- If you notice a loose brake pedal or significant loss of brake fluid, contact your local authorized service center as soon as possible. Driving under these conditions may result in longer braking distances or complete braking failure.

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.

Refill of Brake Liquid

1. Wrap a flat screw driver 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.

Refill of 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

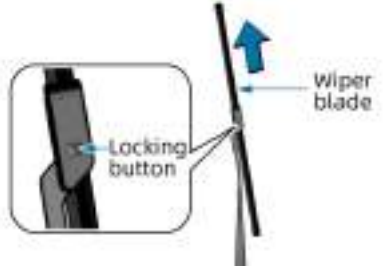
1. Clean the reservoir cap first to prevent dust from entering the reservoir.
2. Open the fluid reservoir.
3. Fill with washer fluid until you see the level almost reaches the fill port.

Warning

- Do not allow windscreen washer fluid to spill onto the body panels. The spill should be wiped immediately and the spill area washed with water.
- For temperatures below 4°C, use a washer fluid containing antifreeze. Avoiding fail to spray washer fluid because of freezing.

Replacement of Wiper Blade

1. Turn on the wiper service mode via "Vehicle Control → Status → Maintenance Mode → Wiper Maintenance Mode" on the CID, the wiper arm will rotate to the service position (as shown above), please make sure the vehicle is in P and keep the wiper off.



2. Lift the wiper arm, press the locking button, and remove the wiper blade as indicated by the arrow.
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. Wipers will return home automatically when the wiper service mode is turned off.

Note

- If wiper blades need to be replaced, please visit your local authorized service center for replacement.

Replacement of Key Battery

1. Press the switch and remove the tailcap to the right.

2. At the arrow position, move lightly in opposite directions from the top and bottom to pry open a snap, then use a thin blade to slide back along the pried seam and pry open the left side snap of the key cover.

3. At the arrow position, move lightly in opposite directions from the top and bottom to pry open a snap.

4. At the arrow position, move lightly in opposite directions from the top and bottom to pry open a snap, then use a thin blade to slide back along the pried seam and pry open the right side snap of the key cover. The key case is opened.

5. Remove the key battery.
   - ► Battery type: CR2032. It could be of either Panasonic or Maxell brands.
6. Install in the reverse order.
   - ► Install the battery with the "+" (positive) terminal facing up.

Caution

- Low battery will affect the key remote control function. Please replace the battery in time.

Parts and Modification

- Only genuine XPENG parts or approved parts are allowed to be used. XPENG Motors conducts rigorous testing of components to ensure their suitability, safety, and reliability. These parts can only be purchased from a local authorized service center, installed by a XPENG professional, and the vehicle can be modified according to the advice of a 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 violating local government regulations.
- Do not modify the vehicle suspension, braking, and other systems, which may adversely affect the driving safety of the vehicle.
- 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 their software.
- In addition, vehicle damage and performance problems caused by replacement, installation, or modification using parts that are not original or approved by XPENG Motors are not covered by warranty.

Vehicle Identification Number (VIN)

The VIN code is a legal identification mark of the vehicle for the registration of the owner and should not be scratched, removed, covered, hidden, altered, or painted.

You can find the VIN code at the following locations:

1. Applied to the bottom left side of the dashboard and can be seen through the windshield.

2. Engraved under the front passenger seat.

3. Applied to the inside of the front compartment cover.

4. Applied to the inside of the luggage compartment lid.

5. Applied to the inside of the left rear door.

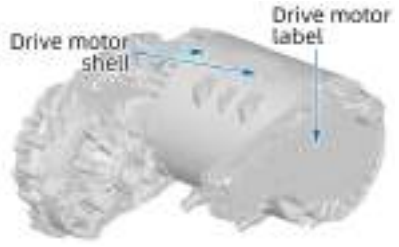
Product Nameplate

- The product nameplate is located on the B-pillar of the front passenger's door.
- Information is presented on the product nameplate.

OBD Interface

– The OBD interface is located on the lower left rear 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.

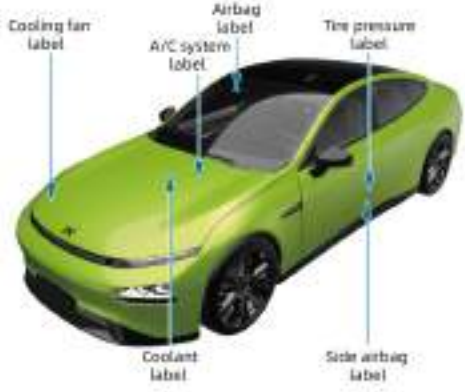
Drive Motor Model and Code



– The drive motor model and code are presented on the drive motor shell and the drive motor label.

Labels

Label Positions



Label Information

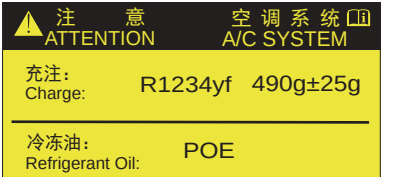
冷轮胎充气气压 COLD TIRE INFLATION PRESSURE		
轮胎 Tire	型号 Size	气压 Pressure
前 Front	245/50 R18 245/45 R19 245/40 R20	250kPa
后 Rear	245/50 R18 245/45 R19 245/40 R20	270kPa

1. Tire pressure label.

2. Side airbag label.

3. Cooling fan label.

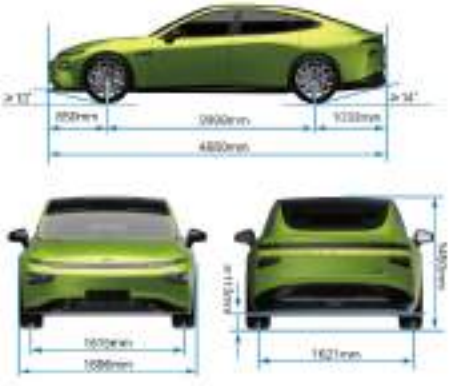
4. Coolant label.



5. Air conditioning system label.

6. Airbag label.

Exterior Dimensions



Item Name		Parameter	Unit
Exterior Dimensions	Length	4880	mm
	Width	1896	
	Height	1450	
Track	Front Track	1615	
	Rear Track	1621	
Wheelbase		2998	
Front Overhang		850	
Rear Overhang		1032	
Minimum Ground Clearance (Full Load)		≥ 113	
Number of Occupants		5	Persons
Approach Angle (Full Load)		≥ 13	°
Departure Angle (Full Load)		≥ 14	

Note: Exterior rear-view mirrors (one for the left side and one for the right side) are not included in exterior width.

Weight

Item Name		Parameter	Unit
Kerb Weight	Total	2127	kg
	Front axle	1018	
	Rear axle	1109	
Loaded vehicle weight (with driver)	Total	2202	
	Front axle	1055	
	Rear axle	1147	
Gross vehicle weight rating	Total	2557	
	Front axle	1138	
	Rear axle	1419	
Gross vehicle weight design	Front axle	1173	
	Rear axle	1437	

Note: Tolerance ranges ±3% for mass, excluding maximum total mass.

Overview Parameters

Item Name	Parameter	Unit
Occupants	5	Persons
Minimum Turning Diameter	≤ 11.7	m
Maximum Speed	≥ 170	km/h
Maximum Gradient	≥ 30	%
Range (WLTP)	470	km

Note: The charging time is the time taken to charge the power battery from 30% to 80% at an ambient temperature of 25°C.

Types and Parameters of Main Assemblies

Item Name		Parameter	Unit
Type of Drive		Four wheel drive	/
Drive motor	Rated Power	Front: 44 Rear: 80	kW
	Rated Torque	Front: 95 Rear: 175	N.m
	Rated rotation speed	4400	rpm
	Max power	Front: 120 Rear: 196	kW
	Max torque	Front: 265 Rear: 390	N.m
	Max rotation speed	12000	rpm
Main reducer	Model	Front: 1eDT300 Rear: 1eDT400	/
	Type	Intermediate reducer	/
	Final Drive Ratio	Front: 8.604 Rear: 8.782	/

Steering Gear

Item Name		Parameter	Unit
Type		Electric power assisted	/
Maximum Steering Angle of Front Wheels	Interior	40.4	°
	Exterior	33.4	°

Braking System

Item Name		Parameter	Unit
Type		Hydraulic diagonal arrangement	/
Type of Assist		Electric power assisted	/
Brake Pedal	Travel	With assisting force: 113 40 (power-off without assisted power)	mm
	Free travel	6.3	mm
Wear limit of brake pad for 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
Parking Brake		Electronic Parking Brake (EPB)	/
Brake Liquid Replacement Period		24 months or 40,000 km (whichever is earlier)	

Suspensions

Front Suspension Type	Double-wishbone independent suspension
Rear Suspension Type	Multi-link independent suspension

Oil/Fluid Filling Volume

Name	Model	Filling volume
Transmission Gear Oil	Castrol BOT350M3	1.9 L
Coolant	Ethylene glycol aqueous solution (with freezing point of -35°C)	18 L
AC Refrigerant	R1234yf	490 ± 25g
Brake Fluid	BASF DOT-4	750 ± 50 ml
Windshield Washer Liquid	TEEC-30°C	1.3 L

Four-Wheel Alignment Parameters

The front and rear wheel alignment parameters are listed below (curb):

Item Name	Parameter
Single-Sided Front Wheel Toe-In	0.188°±0.083°
Total Left and Right Wheel Toe-In	0.376°+0.083°
Single-Sided Front Wheel Camber Angle	-0.45°±0.333°
Difference in Camber Between Left and Right Wheels	0.333°
Single-Sided Kingpin Caster	6.5°±0.8°
Single-Sided Kingpin Inclination	7.9°
Single-Sided Rear Wheel Toe-In	0.186°±0.083°
Total Left and Right Wheel Toe-In	0.372°+0.117°
Rear Wheel Camber Angle	-1.125°±0.333°
Difference in Camber Between Left and Right Wheels	0.333°

Note: 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

Item Name		Parameter	Unit
Specifications		245/45 R19	/
Pressure	Front tire	250	kPa
	Rear tire	270	
Rims		19×8J	/
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 preferred 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.

Intelligent Remote Diagnostic System

This vehicle is equipped with a data logging memory for recording data from various on-board systems, including the motor, XPILOT driving assistance system, traction battery, brakes, and electrical system.

These electronic modules record the driving and traveling conditions, including braking, acceleration, and other operating information; they also record vehicle function information such as charging events and status, enabling/disabling of various systems, diagnostic trouble codes (DTC), vehicle identification number (VIN), and vehicle speed.

The data may be used by XPENG Motors to provide intelligent remote diagnostic services, troubleshooting, and assessments for vehicle quality, function, and performance, as well as other purposes as required by law.

This data can be accessed, used, and stored by the local authorized service center diagnostic equipment when performing overhaul service work.

Data Disclosure

This data is used to identify and troubleshoot faults and to optimize vehicle functions. The vehicle record data will not be disclosed by XPENG Motors to any third party, except in the following cases:

- 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 government department.

If necessary, the data recorded will be used for:

- Research and development of vehicle's safety performance.
- Data is disclosed to cooperating third parties for research and development purposes without disclosing specific information about the owner and their other vehicles.

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