

IPC (Instrument Panel Cluster) System

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► Functions

Maintenance and Diagnosis

Feature of Instruments



1. Speedometer
2. Fuel gauge
3. Water temperature meter
4. Engine tachometer

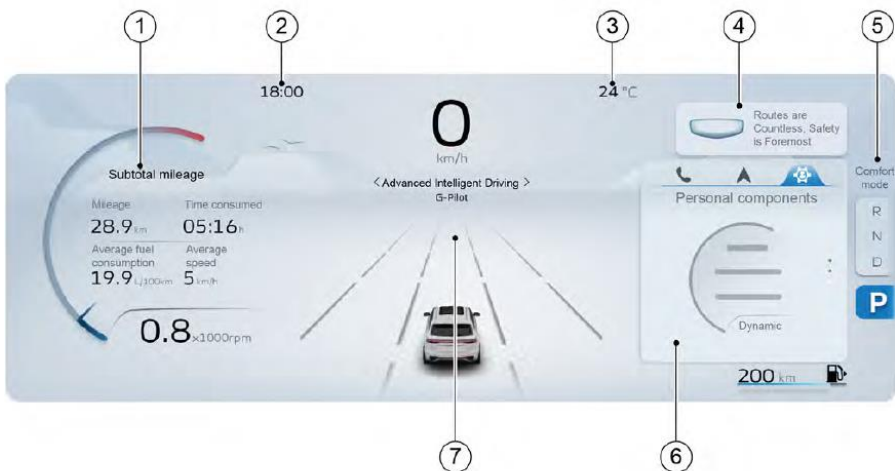


Day Mode



Night Mode

Feature of Instruments



Clock display:

- 2 modes: 12 hours or 24 hours can be set;
- The clock time is calculated by CEM and displayed on DIM, IHU;
- Customer can modify the time on IHU, and IHU will synchronize it to the CEM;

Serial No.	Function area	Description
1.	Information menu display area	Display subtotal mileage, this mileage, vehicle status, tire status, door opening reminder and seat belt unfastened reminder.
2.	Clock display area	Clock: GPS time is displayed by default. Click: System settings → System → Time setting on the multimedia display screen. In this interface, the system time, time format, date format, automatic setting, time zone and daylight saving time can be set.
3.	Exterior temperature display area	Exterior temperature: the display range is -40 degrees Celsius ~ 85 degrees Celsius.
4.	Notification information display area	Display vehicle notification information, multimedia audio sources, weather, navigation and phone calls and other information.
5.	Driving mode, gear display area	<ul style="list-style-type: none"> • Driving mode: depending on the driver's current choice of driving mode, it is displayed as comfort mode, economic mode, sports mode, intelligent mode, snow mode, off-road mode (if equipped) or not. • Gear display: the current gear of the transmission can be displayed on the display screen. The following gears can be displayed: P, R, N, D, M.

Serial No.	Function area	Description
6.	Menu display area	Display menu functions on the combination instrument, including communication records, maps and navigation, personalized components, warning messages (very prominent).
7.	Current function information display area	Display smart driving function selection information, smart driving function identification information and smart driving function status information.

Warning and Indicator Lamps



ABS ESP ESP ESP

88:88

P

888

km/h

G-Pilot

88°C

ESP

ESP



8.8

x1000rpm



Routes are countless. Safety is foremost.

888 km



R

N

D

P

ESP

ESP

Warning and Indicator Lamps



Icon	Name	Description
	Position lamp status indicator	Position lamp is on
		Position lamp is faulty
	High beam lamp status indicator	High beam lamp is on
	High beam lamp fault indicator	High beam lamp is faulty
	Low beam lamp status indicator	Low beam lamp is on
	Low beam lamp fault indicator	Low beam lamp is faulty
	Intelligent high beam control (AHBC) indicator*	Intelligent high beam lamp is on
		Intelligent high beam lamp is faulty
	Manual leveling fault indicator	Manual leveling function is faulty
	Rear fog lamp working indicator	Rear fog lamp is on
	Left turn signal indicator	Left turn signal is on
	Right turn signal indicator	Right turn signal is on
	Low speed emergency brake assist system status indicator*	Low speed emergency brake assist system is off
		Low speed emergency brake assist system is working
		Low speed emergency brake assist system is faulty
	Engine emission trouble warning indicator	Engine emission is faulty
	Engine system fault warning indicator	Engine system is faulty

Icon	Name	Description
	Low engine oil pressure warning indicator	Low engine oil pressure
	Airbag Trouble warning indicator	The airbag system is faulty
	Engine start-stop system status indicator	Engine start-stop system is activated
		Engine start-stop system is working
	Cruise Control System (CC) status indicator*	Cruise Control System is on standby
		Cruise Control System is activated
	Lane keeping assist (LKA) system status indicator*	Lane keeping assist system is activated, but the system has not started to adjust.
		Lane keeping assist system is faulty
	Blind spot monitoring status indicator*	Rear side medium-range radar is working
		Always on: Temporary fault of rear side medium-range radar Flash: The calibration of rear side medium-range radar is not completed
	Electric Power Steering (EPS) status indicator	Performance loss/temporary degradation of Electric Power Steering
		Electric Power Steering (EPS) is faulty
	Tire pressure monitoring system (TPMS) status indicator	Always on: The tire pressure of one or more tires is low.

Warning and Indicator Lamps



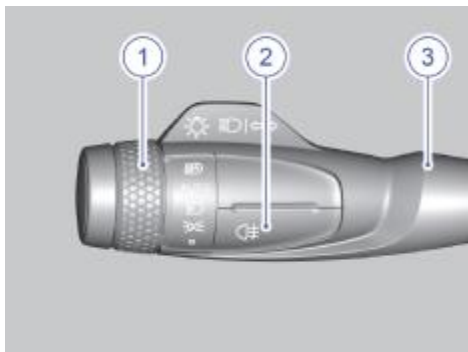
Icon	Name	Description
	Adaptive cruise control (ACC) status indicator*	Adaptive cruise control (ACC) is on standby.
	Adaptive cruise control (ACC) status indicator*	Adaptive cruise control (ACC) is unavailable
		Adaptive cruise control (ACC) is activated or under overspeed state
	Electronic Stability Control System (ESC) status indicator	Electronic Stability Control System (ESC) is faulty Flash: Electronic Stability Control System is working
	Electronic Stability Control System (ESC) OFF indicator	Electronic Stability Control System (ESC) is off
	Hill descent control (HDC) status indicator	Hill descent control is temporarily unavailable
		Hill descent control is active
		Hill descent control is enabled
	Low fuel level warning indicator	Low fuel level
	Brake system status indicator	Brake system is faulty

Icon	Name	Description
		The electronic brake force distribution function is faulty, or the brake fluid level is low, or the brake fluid level sensor is faulty, or the electronic power assist has no power*, or the hydraulic power assist function is weakened*
	Anti-lock braking system (ABS) trouble warning indicator	Anti-lock Braking System (ABS) is faulty
	Seat belt warning indicator	Front-row seat belt is not fastened, please fasten it
	Electronic parking brake system (EPB) status indicator	Always on: Electronic parking brake function is enabled.
	Electronic parking brake system (EPB) status indicator	Flash: Electronic parking brake is working, or electronic parking brake system is faulty
	Auto Hold (HOLD) status indicator	Auto Hold is activated
	Warning level indicator	A serious fault has occurred which may affect the drivability of the vehicle.
		Fault alarm information/notice exists, and the corresponding text appears on the instrument cluster display.
	Battery charging trouble warning indicator	Battery charging is faulty



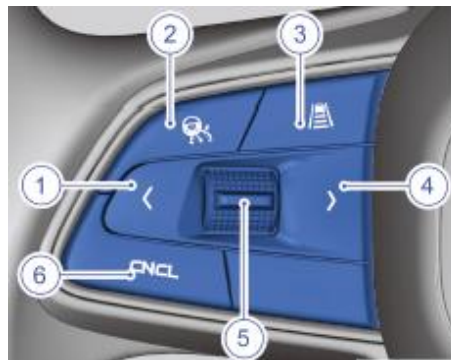
Light control switch

1. Light control switch;
2. Frog lamp control switch;
3. Light switch handle (control high/low beam and left/right turn signals)



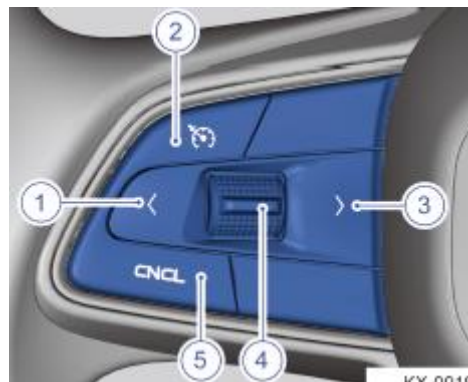
Left steering wheel control (Type I)

1. Menu switch button;
2. Intelligent driving button;
3. Inter-vehicle time distance adjustment button;
4. Menu switch button;
5. Speed adjustment and confirm button;
6. CNCL button.



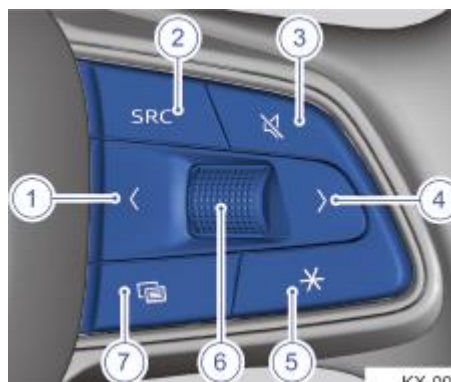
Left steering wheel control (Type II)

1. Menu switch button;
2. Cruise control resume button;
3. Menu switch button;
4. Speed adjustment and confirm button;
5. CNCL button.

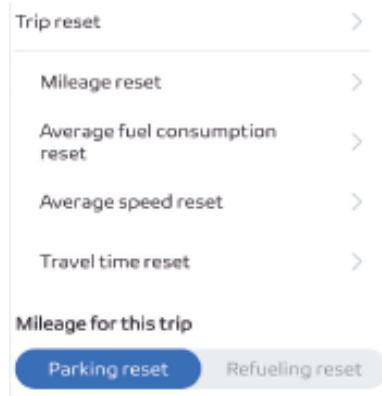
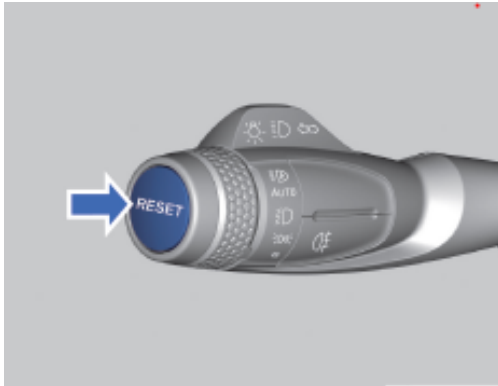


Right steering wheel control

1. Left selection button;
2. SRC button;
3. Mute button;
4. Right selection button;
5. Customer function button;
6. Selection button.



Functions – Reset Control



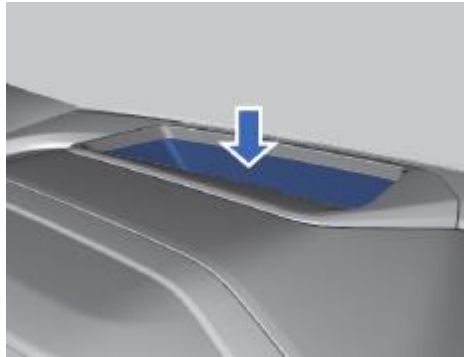
- Short press RESET button on the left side of the light combination switch to cyclically toggle the subtotal mileage, mileage for this trip, vehicle status and tire status one by one.
- Every time the instrument cluster is powered on, the onboard computer displays the last recorded information.
- In the subtotal mileage or mileage for this trip interface of onboard computer information, press and hold RESET button at the left side of light combination switch to reset the onboard computer information of the corresponding interface.
- In addition, on the multimedia display, click in turn: Vehicle Settings → More Settings → Onboard Computer Reset, to select the onboard computer information in this interface to be reset. The reset mode of mileage for this trip can also be set as parking reset or refueling reset.



Functions – HUD (Head Up Display)

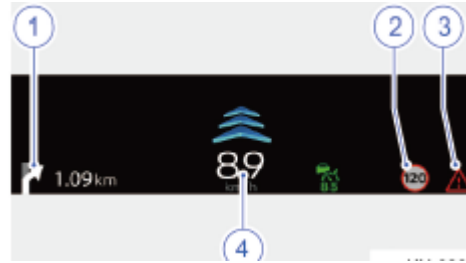


HUD function is to project important driving information such as speed and navigation in front of the driver side windshield, so that the driver can see these important driving information without turning his head.



Heads Up Display (HUD) is mounted in the instrument panel in front of driver.

The displaying area of HUD is about 4 m ahead of windshield, presented by virtual image. Driver can turn it on/off, up/down, or adjust the brightness, etc.



AR display mode

In AR mode, the display of information such as navigation, intelligent driving system (ADAS) will overlap with the real scene seen by the driver.

1. Navigation information
2. Road speed limit information
3. Alarm information prompt
4. Vehicle speed



2D display mode

In AR mode, the display of information such as navigation, intelligent driving system (ADAS) will overlap with the real scene seen by the driver.

1. Navigation information
2. Intelligent driving system (ADAS)
3. Vehicle speed
4. Alarm information prompt
5. Bluetooth call display
6. Road speed limit information

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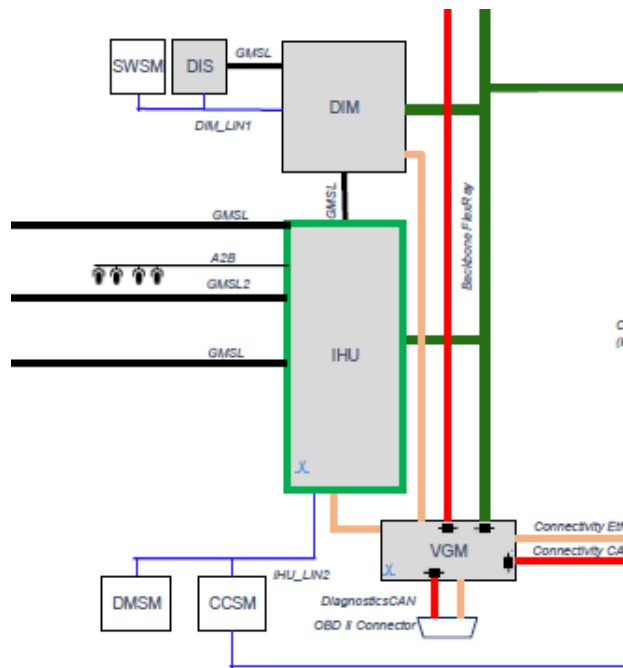
Functions

► **Maintenance and Diagnosis**

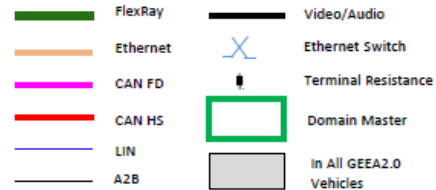
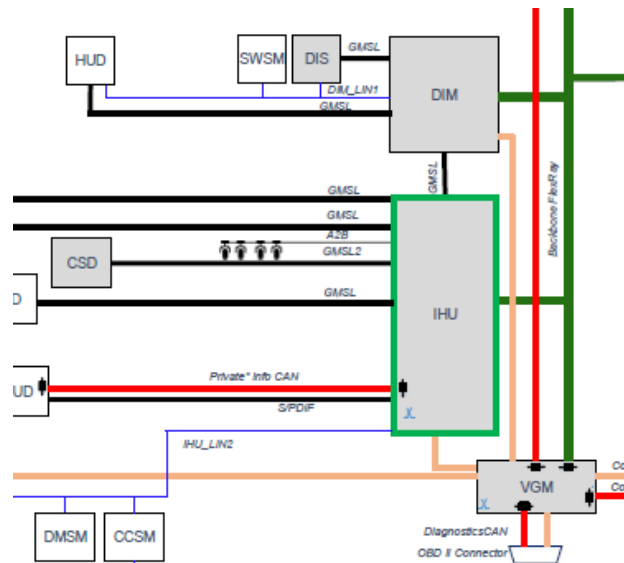
Maintenance and Diagnosis – Wiring Diagram



10.25 DIM、10.25 DIS



12.3 DIM、12.3 DIS





➤ Service mileage reset

Using GLDS, on “Components”, search for DIM(driver information module), on diagnostic sequences, you can reset the service mileage.

➤ Total mileage reset

For KX11 model, it's not able to reset the total mileage.

The screenshot displays the GLDS diagnostic software interface. At the top, the vehicle information is shown: VIN: LB37852D2MS006189, Model/Year/Chassis: KX11, 2021, 006189. The connection status is active at 11.9 V. The main window shows a list of ECUs on the left, with the Driver Seat Module (SMD) selected. A dialog box titled "P2P (VCC-494884-1, version 1.7)" is open, displaying the following information:

- Resetting the service reminder indicator (SRI)**
- Information**
This routine is used to reset the service reminder indicator (SRI).
- Instructions**
Click Start to reset the data for the Service reminder indicator SRI.
- A text box containing: "Reset the service reminder indicator (SRI). --"
- Buttons for "Start" and "Close".



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