**P2 OBD LCD Head up display**

**(P2 has registered appearance patents in many countries and display screen copyrights)**

**Description of the Interface and Button**



1. **Main button: Short press in Long press in**

**Short push left Long push left**

**Short push right Long push right**

1. **Light Sensor: Automatically adjusts the brightness according to the environment**
2. **Alternate interface**
3. **OBD cable interface**
4. **Rotatable bracket**

**Description of the Button**



1. **Short press in****(1s to release）:** A.Switch display interface

B.Short press to confirm

1. Long press in**（2s to release）**：Enter setting mode, again to save

and exit

1. Long push left**（2s to release）：**Long push left and the icon will

flash, indicating that this functional area is selected, can switch and select this functional area *( PS: It will be automatically saved if no operation after 10s.)*

1. Short push left: A.Toggle the blinking ribbon position

B.Move options/adjust values after entering setting mode

**5.Short push right****：** A.Toggle the display function where the

icon flashes

1. Move options/adjust values after

 entering setting mode

**6.Long push right****：** Quick switch on/off

**Switch GPS system**

A. Plug in the USB cable, the device will automatically enter the GPS system

B. Plugging in the OBD cable, long press into enter setting mode，find “OBD Switch”, then select “OFF”

**Quick shutdown**

Long push right  to quick shutdown and boot

**Slope meter calibration:**

Place the device well, turn off the car and the screen will shut down, then start the device again, and the calibration is complete

**Switch function icon**

Long push button, main interface icon flashes,

then short push left to switch icon，

short push rightto switch function，short press in to confirm( Will automatically exit after 5 seconds of no operation)

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| P9_0001_电压P9_0001_电压 | Voltage | P9_0006_瞬时油耗 | Instant fuel consumption | P9_0014_动力电池电量 | Power battery power | P9_0021_行驶距离 | Driving distance |
| P9_0002_水温 | Water temperature | P9_0007_平均油耗 | Average fuel consumption | P9_0015_机油压力 | hydraulics pressure | P9_0022_行驶时间 | Driving time |
| P9_0003_机油温度 | Oil temperature | P9_0008_引擎负载 | Engine load | P9_0016_燃油压力 | Fuel pressure | P9_0023_转速 | Rotating speed |
| P9_0004_变速油温 | Transmission oil temperature | P9_0009_排气温度 | Exhaust gas temperature | P9_0017_海拔 | Altitude | P9_0024_GPS车速 | Speed |
| P9_0005_涡轮压力 | Turbo pressure | P9_0010_油量 | Oil quantity | P9_0018_时间 | Clock | P9_0026_行驶方向 | Driving direction |
| P9_0027_大气压力 | Atmospheric pressure | P9_0028_左右倾斜 | Tilt left and right | P9_0029_上下倾斜 | Tilt up and down | P9_0030_obd车速 | OBD speed |

**Function explanation**

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| Speed= Speed | VLT= Voltage | Coolant= Coolant temperature |
| OIL T.= Oil temperature | CVT= Transmission oil temperature | TURBO= Turbo pressure |
| INS Fuel= Instant fuel consumption | AVG Fuel= Average fuel consumption | EGT= Exhaust gas temperature |
| FUEL LEV.= Fuel quantity | DriveDist= Driving distance | DriveTime= Driving time |
| Altitude= Altitude | GPS NumSv= Satellites number | TACHO= Rotating speed |
| GPS Speed= GPS Speed | I.A.T.=Intake air temperature | OIL P.=Hydraulics pressure |
| FUEL P.=Fuel pressure | GPS Offst=GPS precision | Date= Date |
| Week=Day of the week | Time=Time | G-Force=Accelerometer |
| LAT=Latitude | Atmospher=Atmospheric pressure | LON=Longitude |
| Direction=Driving direction | ENGINE Ld=Engine Load | Outside Temp=Outside temperature |
| HybridEle.=Power battery power | G-Roll A.=Left and right tilt angle | G-Pitch A=Front and rear pitch angle |

**Enter setting mode:**

Long press into enter the setting mode，push rightto select setting item，short press into enter the setting item，after adjustment long press into save，again to save and exit

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| **System Set** | **System setting** |  |  |
| Time Zone | Time adjustment | Power On | Power on method |
| Speed Unit | Speed unit | Power Off | Power off method |
| Brightness | Brightness adjustment | LED Color | Atmosphere light color |
| Dark | The darkest brightness | Turn Off | Turn off voltage |
| TFT Contrast | Contrast | Quest Mode | Communication mode |
| LEDBrightness | Atmosphere light brightness | Request Rate | Communication speed |
| LED Dark | Brightness at night | ValueSmooth | Speed of digital change |
| LED Color | Color of atmosphere light | Demo | Display mode |
| OBD Switch | OBD switch | Clear DTC | Clear fault code |
| Comd Search | Search PID instruction | Factory Set | Factory setting |

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| **Special Fea** | **Special feature** |  |  |
| Model | Model | Fuel T. | Fuel temperature |
| Coolant T. | Coolant temperature | Outside T. | Outside temperature |
| Oil T. | Oil temperature | I.A.T. | Intake air temperature |
| AT Oil T. | Automatic transmission oil temperature | Catalyst T. | Catalyst temperature |

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| **Speed set** | **Speed setting** |  |  |
| Speed Choice | Speed choice | Speed Warning | Speed warning |

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| **ADJUST** | **Data adjustment** |  |  |
| Speed Adjust | Speed adjustment | Fuel Adjust | Fuel adjustment |
| RPM Adjust | RPM adjustment | Voltage Adjust | Voltage adjustment |
| Turbo Adjust | Turbo adjustment |  |  |

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| --- | --- | --- | --- |
| **FUEL Set** | **Fuel setting** |  |  |
| Fuel Unit | Fuel unit | Fuel Type | Fuel type |
| Fuel Calcu | Fuel calculate | Swept Volume | Engine swept Volume |

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| **ALARM** | **Alarm setting** |  |  |
| Alarm Switch | Alarm switch | OIL P. Alarm | Oil pressure alarm |
| RPM Alarm | RPM alarm | Fuel P. Alarm | Fuel pressure alarm |
| Coolant Alarm | Coolant temperature alarm | Voltage Alarm | Low voltage alarm |
| Oil Temp Alarm | Oil temperature alarm  | Rest Alarm | Rest alarm |
| EGT Alarm | Exhaust temperature alarm |  |  |

**FAQ**

**1.No display on the screen, no power**

Check whether the OBD cable is loosely connected, try to connect it several times. If it still does not work, please change another car to test, and analyze whether the OBD interface of the car is broken. If the OBD interface is broken, please repair the OBD interface and then connect the machine again.

1. **Powered on, but P2 only displays voltage, and automatically turn off after 30 seconds**

OBD device are only suitable for OBDII and EOBD

Please check the year of car production (OBDII and EOBD were used after 2008)

HUD products do not support OBD I and JOBD, and the cars produced before 2008

Please connect directly with a USB cable.

**3.The speed display on P2 is different from the instrument panel’s**

Please check if the unit is correct: kilometer-KM/mile-MPH( Speed unit switching reference setting item).

If the unit is correct: please long press in to enter the setting mode, choose “Adjust” and select “SPEED Adjust” (For example: the instrument displays 100 Km/h and the device displays 102 Km/h, adjust the parameter value to -2%).

1. **Can't power on with car**

Enter setting mode, find “Power On”( The default is to automatically power on when the voltage exceeds 0.8V ), please adjust the value to 0.5V or 0.4V.

PS: Setting the voltage too low will cause the machine to keep restarting.

1. **Unable to shut down or automatically start and stop with the car( Gas-electric hybrid vehicle )**

Enter setting mode, find “Power Off”

MODE 0: Judging that the communication conditions are in line with the preset, will power off in 5 seconds (suitable for most models)

MODE 1: Judging that the speed and voltage conditions of the vehicle are in line with the preset, will power off in 5 seconds (suitable for special models)

MODE 2: Special for automatic start and stop, or gasoline-electric hybrid vehicles

**6.The time is not correct**

Enter setting mode, find “Time Zone”to adjust the time.