

HUD Vehicle-Mounted Head Up System The Users Operation Instruction Manual

Before using this product, please read the instruction manual in detail to know and make use of all of its functions, so that you can enjoy the speed as well as the fun and safety of driving.

Product Introduction

Thanks for purchasing our Automotive Head Up Display, which is abbreviated to HUD, short for Head Up Display, with the meaning of "Look-up display device", or "look-at-the-front-horizontally display device". When driving at a high speed, especially at night, the driver may look down at the instrument panel, which may cause accidents if urgent situation occurs right away and there is no time to take some effective measures. To prevent this situation from occurring, some high-end vehicles are equipped with head up display (HUD) system, which can project important information (e.g. vehicle speed) onto the front windshield at the eye level of the driver. Besides, the display location and brightness can be adjusted through automatic induction, which makes it possible that the driver may not have to look down at the instrument panel and shorten the time of visual dead zone forward. This can avoid breaking rules and regulations due to speeding in many speed-limited sections. What's more important, it can enable the driver to read the data instantly without shifting his view, which is of vital value in reducing traffic accidents caused by absent-mind due to looking down. This is a multi-functional HUD product which is developed based on OBD II interface and has good cost-performance ratio. It is designed by adopting the latest integrated circuit with stable performance and has a beautiful and elegant appearance. The installation and adjustment test can be finished within 3 minutes by using an easier and safer installation method.

● **Product outlook**

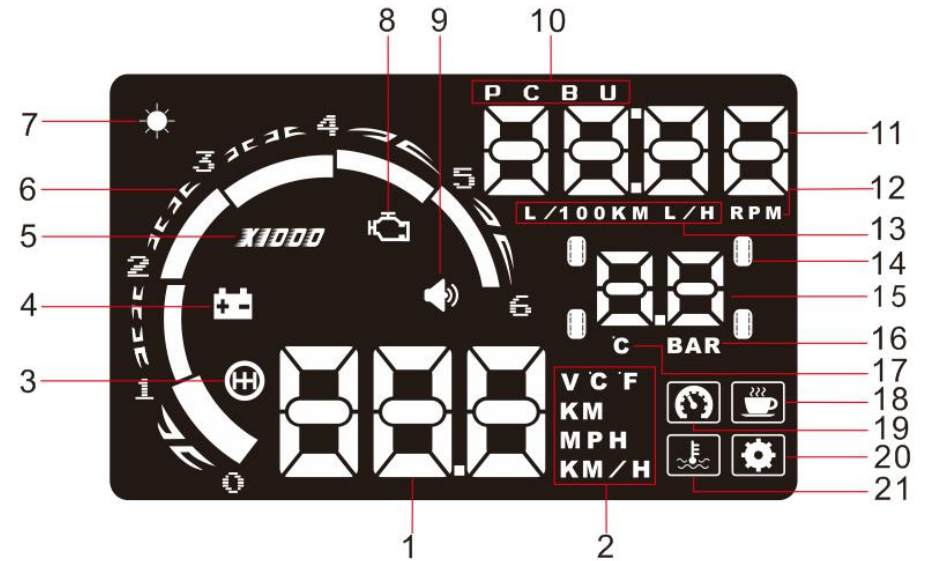


Introduction of all interface and buttons

1. TPMS (tire pressure detecting) data interface
2. Power switch
3. OBD data interface
4. Up button, turning the button to upside
5. Down button, turning the button to downside
6. OK button, pressing the button vertically

Introduction of functions

● **function of the screen**

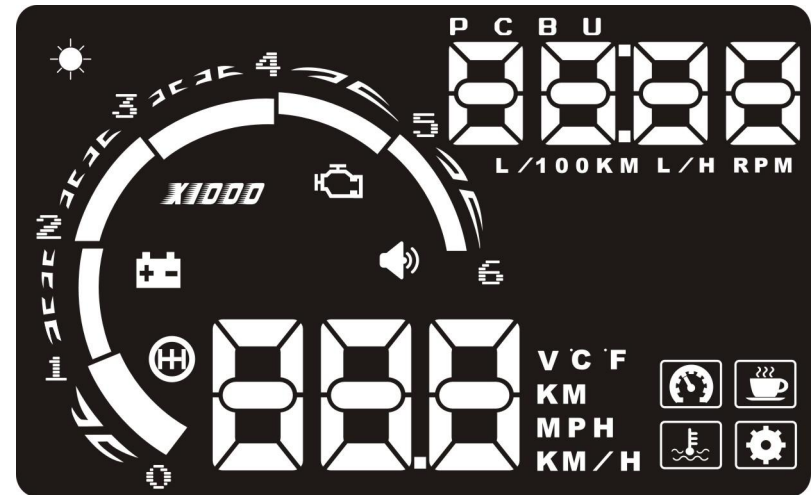


1. Speed: The number can indicate the current speed.
2. Unit marks: V-voltage, °C-degree Celsius, °F -degree Fahrenheit , KM-Kilo meter , MPH-Mile , KM/H- kilo meter per hour
3. Gear shifting reminding: It will remind the driver to gear up to save fuel when the engine speed and vehicle speed come to a certain ratio.
4. Battery voltage: when the battery voltage is less than/reaches 12v, the caution light will light up to remind.
5. engine revolving speed icon
6. Rotation speed: indicates the rotating status of the engine and the scale measured represents the speed reached.
7. Light sensors , brightness can be changed with change in the outside world
8. Engine failure icon: The icon will light up when engine break down
9. Buzzer mark: press the switch button to turn on or turn off the sound of the buzzer.
10. Fault code
11. Multi-functional display area : Toggle to display instant 100KM fuel consumption /instant fuel consumption /revolving speed/ fault code

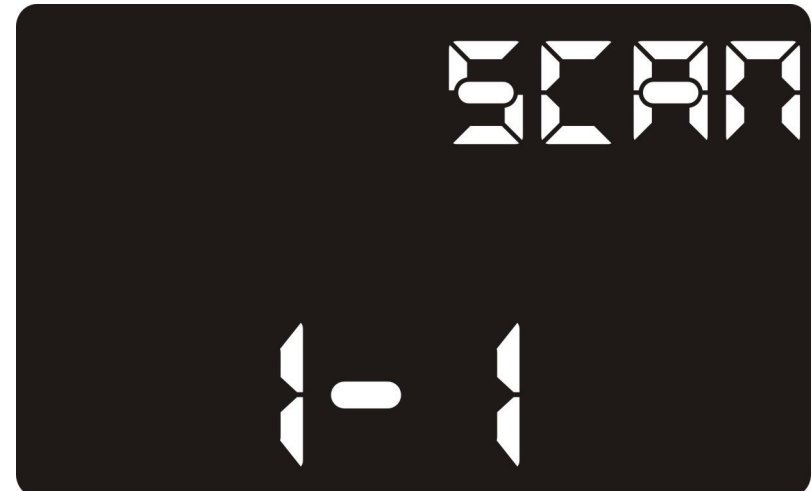
12. Engine revolving speed unit
13. Instant 100KM/instant fuel consumption unit : displays fuel consumption of one hundred kilometers when the vehicle is moving, in L/100km.
14. Tire indicator
15. Tire pressure and temperature display area
16. Tire pressure unit
17. Tire temperature unit
18. Drowsy driving indicator reminding
19. Overspeed reminding: the icon of overspeed will flicker and alarm when the vehicle exceeds the speed limit set up in advance.
20. Setting status indicator
21. Water temperature: When the temperature reaches 100 degree centigrade, alarm will be given automatically with alarm light turned on.

- **First time to use**

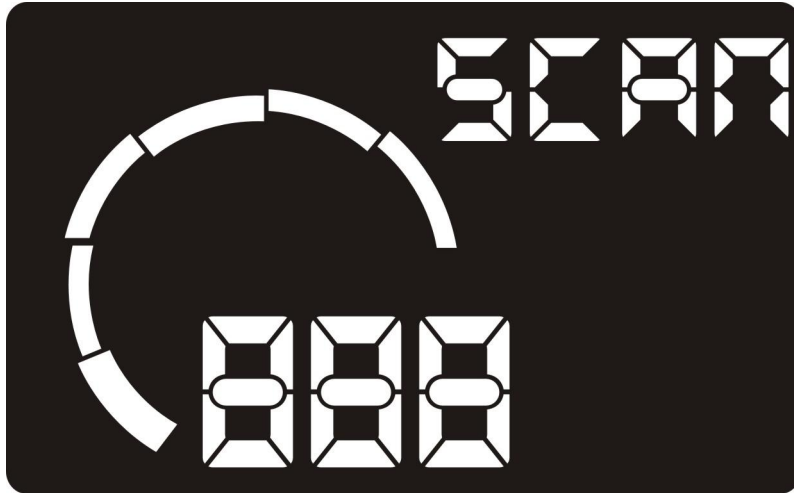
When you have connected the HUD display, the OBD cable and the car TDCL, start the vehicle and turn on the HUD power supply switch, then you will see the boot screen, "HUD" will be displayed flickeringly.



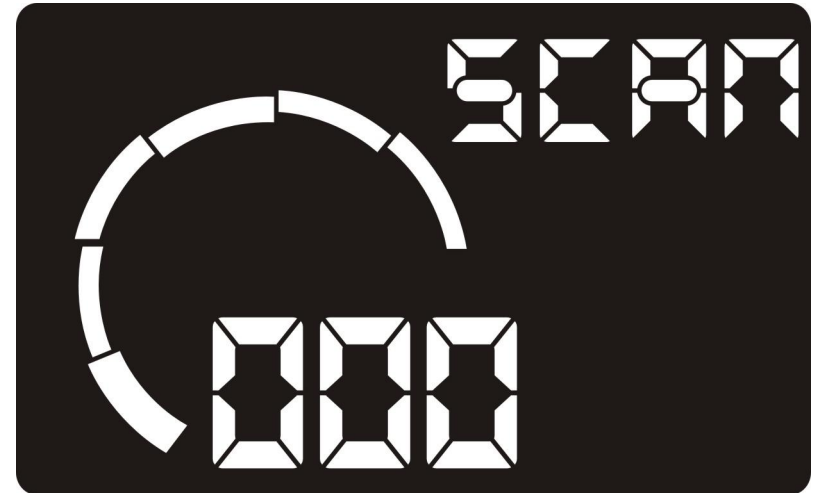
After that, HUD starts to scan the car communication treaty, the upper right corner displays "SCAN", and the lower left corner shows the current communication treaty . the first number represents: 1 treaty(ISO9141-2) ; 2.treaty(ISO15765), 3 treaty(ISO14230), the second number represents the sub-treaty of the treaty, for example, "1 ... 1" represents the first kind of communication treaty of ISO9141-2 is under scanning.



When the scanning is finished, if it has successfully scanned the matched communication treaty, "888" will be showed at the lower left corner. the HUD will save communication information automatically and start working



If the scanning failed, "000" will be showed at the lower left corner, switching off the unit ,and checking all connections in good condition . and then restart the unit to scan again.



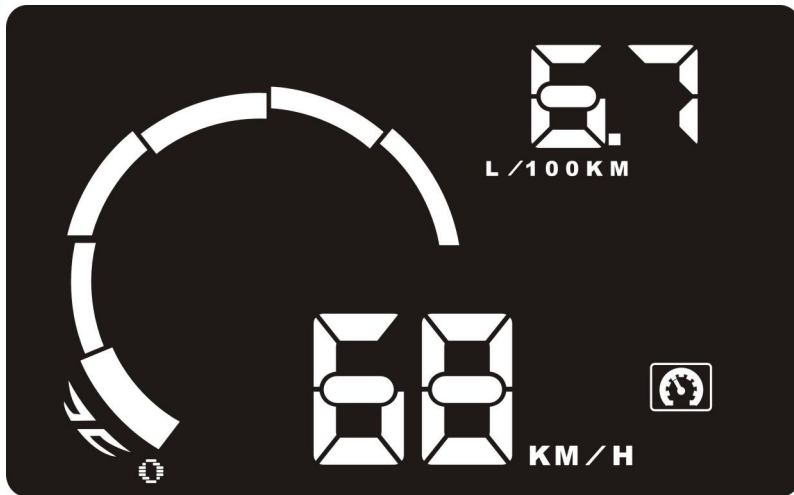
- **Normal use**

Based on vehicle working status , HUD have three working modes : **Idle mode**、**Cruise mode**、**Information of this driving**

Idle mode: start the engine , the vehicle under motionless status , HUD display water temperature , instant fuel consumption (static state, L/H)



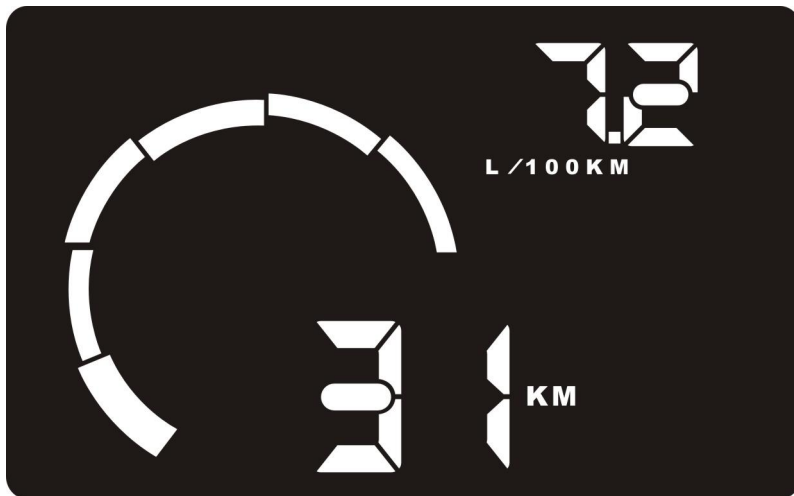
Cruise mode : the vehicle is under driving status , HUD display vehicle speed , instant fuel consumption (dynamic state, L/KM)



Information of this driving: Switch off the vehicle , HUD shows the mileage of this driving , average fuel consumption of this driving (L/100KM)



Water temperature (°C)+instant fuel consumption(static state,L/H)

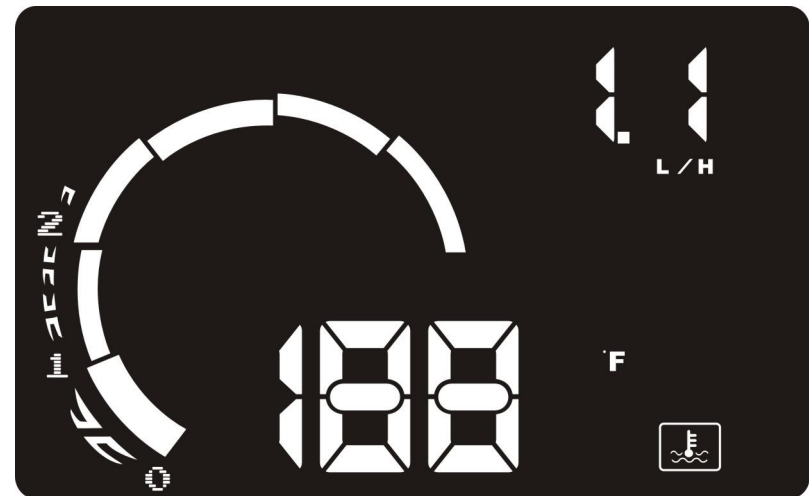


Toggle up/down/OK Button to view different kind of information .

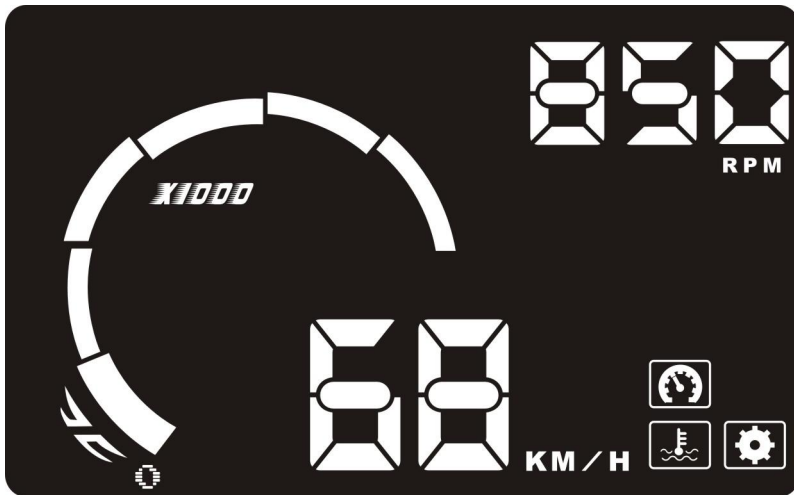
upper right corner shows: instant fuel consumption (static state L/H) , Instant fuel consumption(dynamic state L/100Km), engine speed , driving time of this journey , and fault code .

Lower left corner shows : vehicle speed(Km/H, MPH), water temperature(F, °C),Mileage of this driving(Km) Batter voltage.

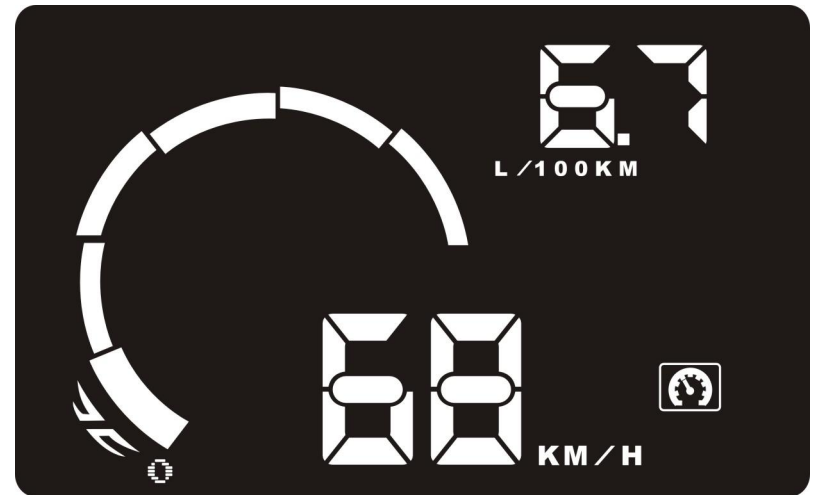
Specific display contents as below picture:



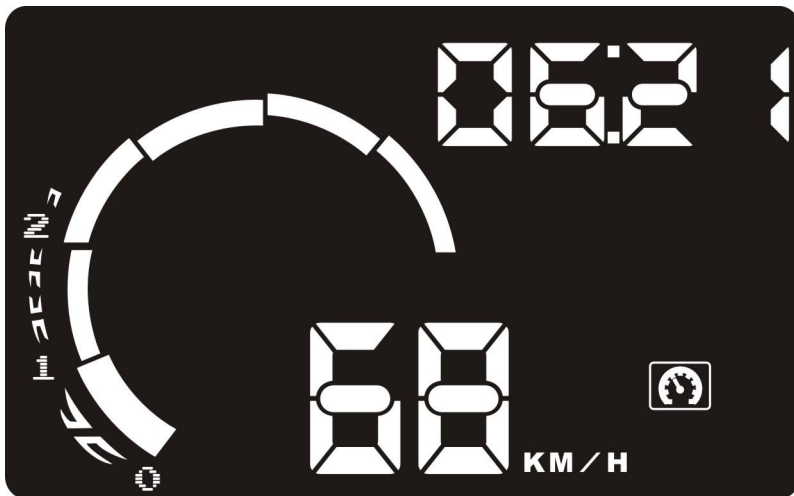
Water temperature (F)+instant fuel consumption (static state,L/H)



(RPM) vehicle speed(KM/H)+Engine revolving speed(RPM)



Vehicle speed (KM/H)+instant fuel consumption (dynamic state, L/100KM)



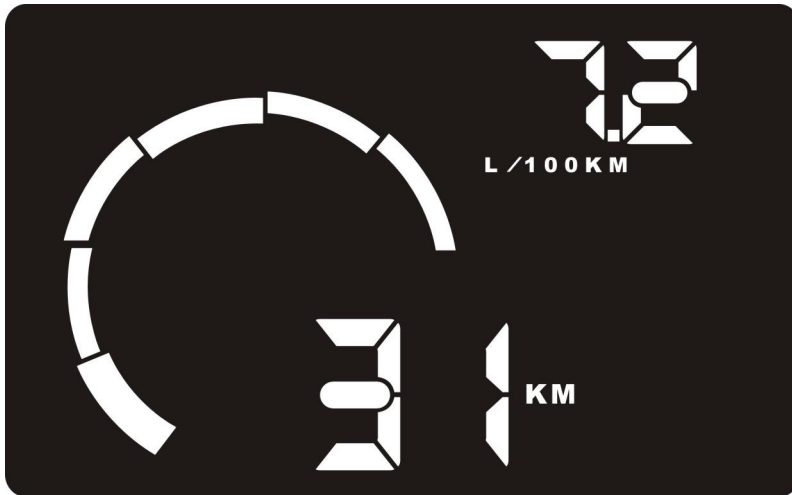
Vehicle speed(KM/H)+driving time(Hour: minute)



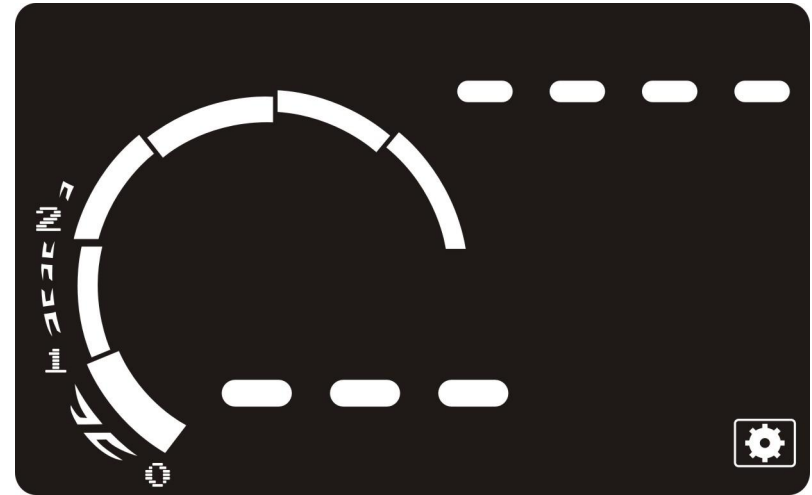
Vehicle speed (MPH)+instant fuel consumption (dynamic state , L/100KM)



Battery voltage(V)+instant fuel consumption (static state, L/H)



Mileage of this driving (KM)+instant fuel consumption (dynamic state, L/100KM)



System setting

A while after the ignition key is turned off (about 30 seconds) the HUD will standby automatically, when the ignition key is turned on and the engine is started, the uni will boot automatically

1. Reminding and alarming

When used daily, the H101 has the following reminding and alarming functions:

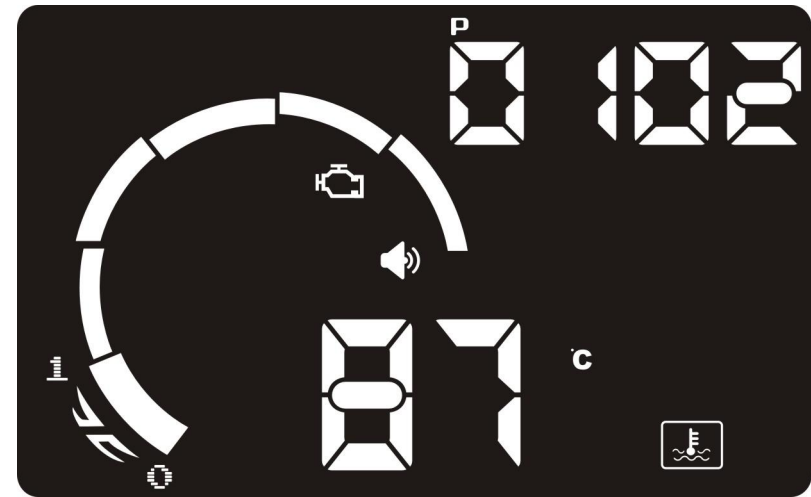
Over speed alarm: when the speed of the car exceeds the set value, the No and icon represent the speed will flicker as well as the sound will be given out.



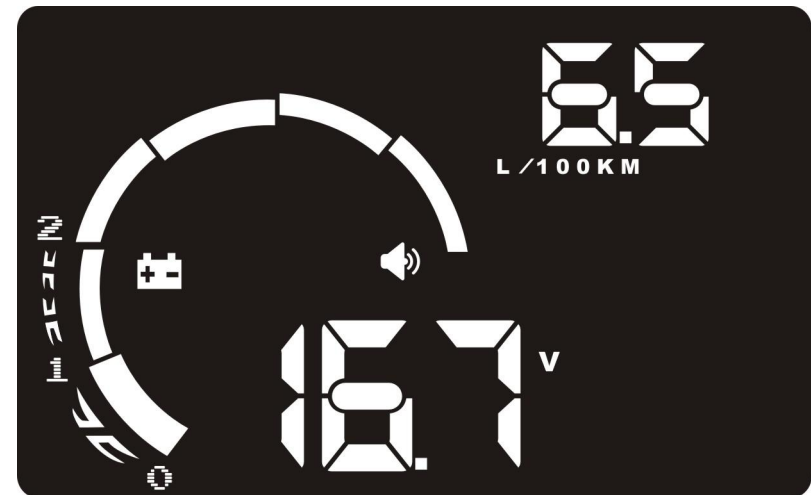
Water temperature alarm: when the water temperature exceeds the set value, the number and icon that stands for water temperature will flicker, you can hear a warning tone.



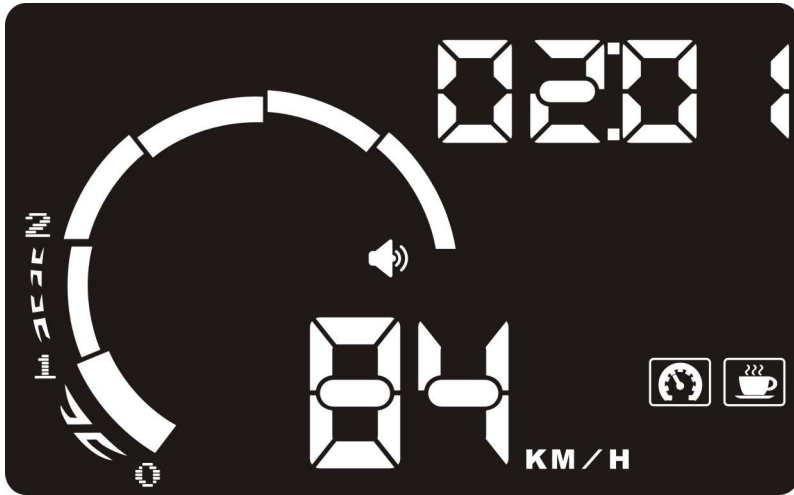
Vehicle failure warning : when vehicle fail , the fault code and fault mark will light on as well as the buzzer sound will be given out. the HUD will restart in every vehicle engine start . the unit will auto detect the failure information if switch on the fault warning function . the buzzer sound will be given out and fault code will be displayed if vehicle have problems . upper right corner shows current fault code . as below picture , the fault code is P0108 . then refer to related information for the fault code . Toggle the up/down button to view other fault code



Voltage alarm: when the voltage exceeds the set value, the corresponding number and icon will flicker, and a warning tone will be made.



Drowsy driving warning : if the driving time exceed the set value , the rest mark and warning mark will flicker as well as the warning sound will be given out .



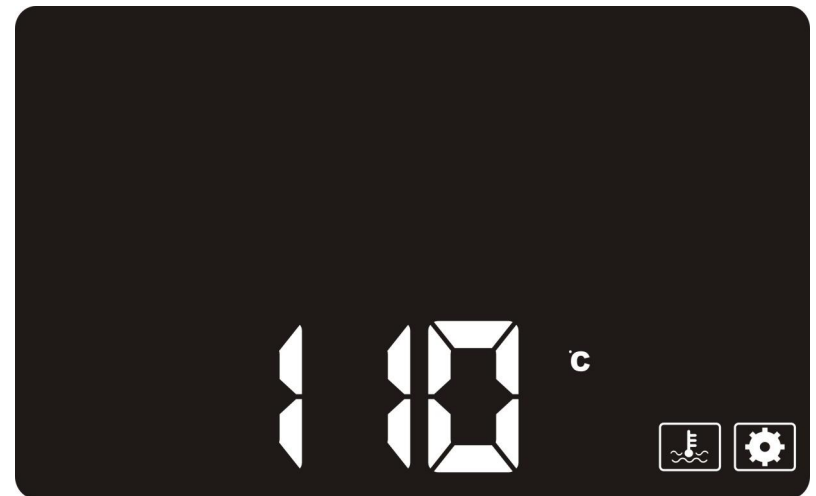
System setting: drowsy driving warning

- **Menu setting**

Toggle the up and down button to let the system goes to setting interface , press the OK button to go into setting menu . below are all kinds of setting menu figures



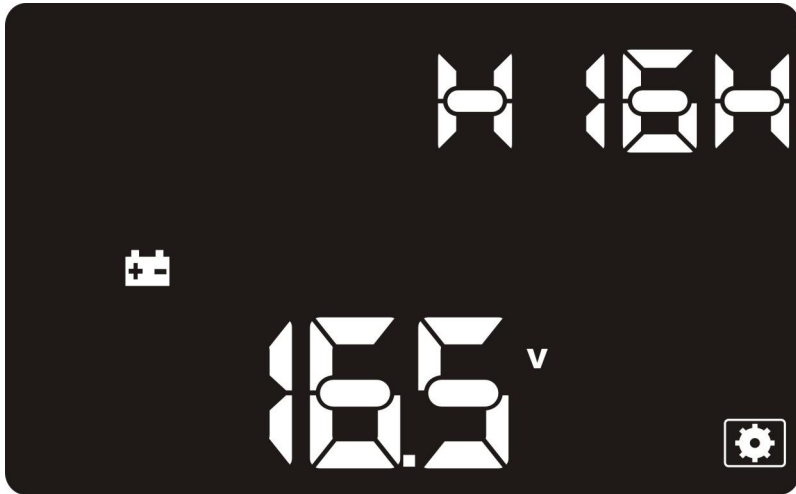
vehicle failure warning setting



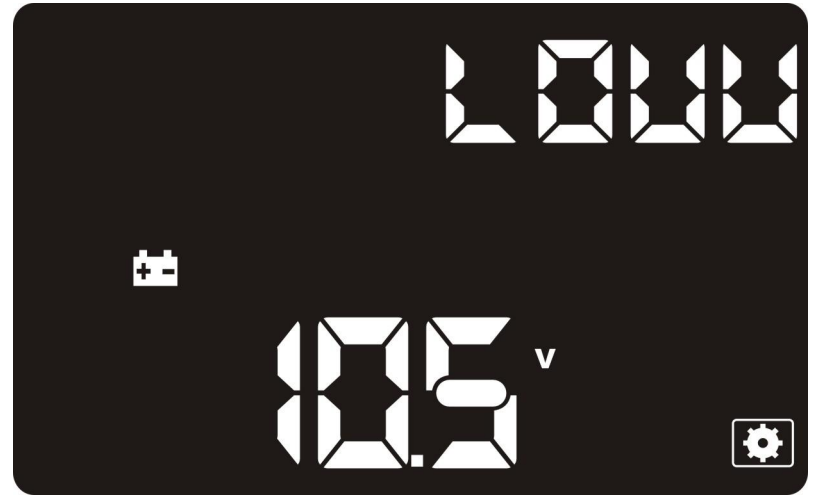
water temperature setting .



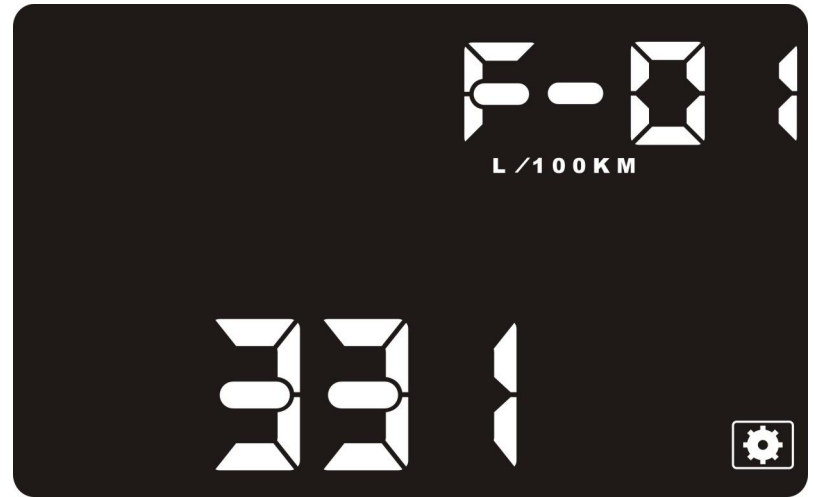
overspeed warning setting



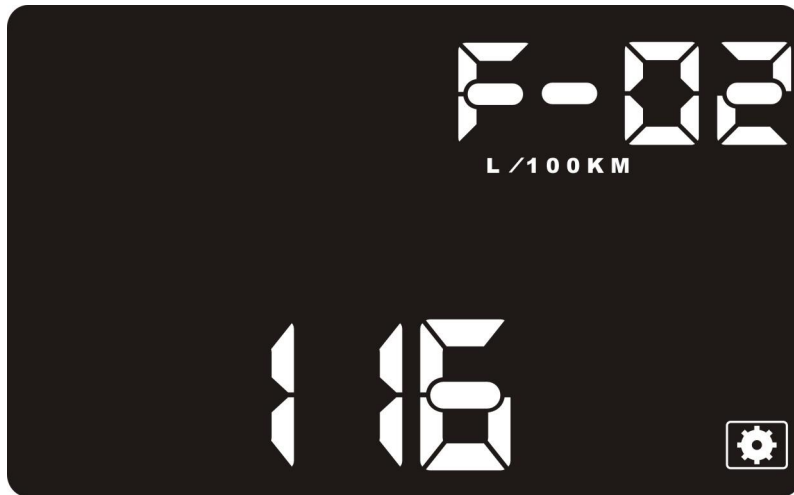
high voltage warning setting



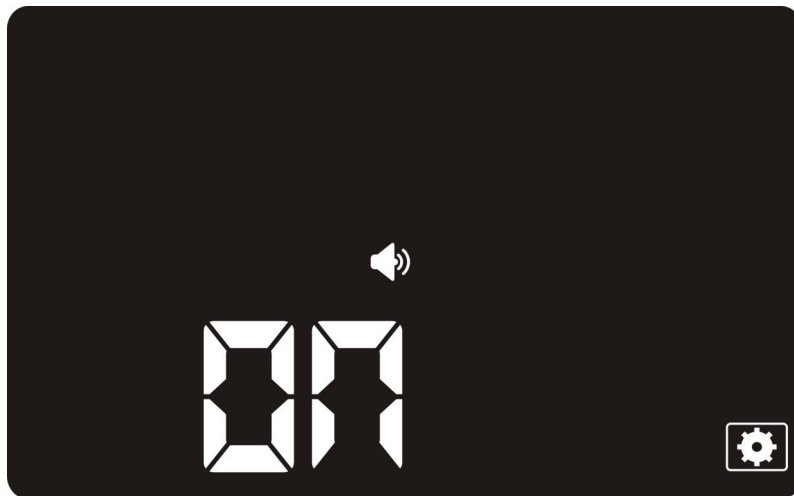
low Battery voltage setting



Instant fuel consumption coefficient setting



average fuel consumption coefficient setting.



Buzzer warning setting

Press OK button to access to setting function in the menu interface , Toggle up /down button to set the value . then press OK button to save the setting .

Restore to factory setting

In first time use of this unit ,The unit will scan the vehicle communication mode and locked in this mode. therefore you have to restore the unit to factory setting if change to other vehicle . the operating procedure as below :

- 1: switch off the power supply
- 2: press the OK button and switch on the power supply at the same time .
- 3: the unit upper right corner shows "0", and lower left corner also shows"0" ,it means finish restore setting .

Preparation before installation and use

1. Know the type of your vehicle. When purchasing HUD, you need to choose the type of vehicle that meets the OBDII standards for normal use. Open the engine hood and find the paster below it (see the picture below), if it has words like OBDII CERTIFIED, then it can be installed. Check if there is a test diagnostic communication link (TDCL) under the steering wheel. (Most of the vehicles after 2006 in China have been equipped with a TDCL)



2. Find out the 16 pin diagnostic link (see the picture below) of the vehicle and connect it well with OBDII connecting line. As different types of vehicles have different positions for diagnostic link and some are relatively narrow,

patch cord can be purchased.



3. Put the give-away non-slip mat at the flat place in front of the navigation bridge, then you can place the host machine of HUD on it and adjust its location at any time.

4. The reflecting film should be pasted right above the H101 host machine and it should be able to reflect the mainframe screen.

Methods of pasting the film:

A . equably water the place that the film will be pasted on ;

B . rip off the covering layer of the film , and water both sides of it , and paste it to the right place.

C After you have adjusted the location well, you can use a scratch board or something else flat to slick the film and squeeze the water inside out until there is no bubble or water in it.

D A few minutes later, the moisture inside the film totally evaporates , then you can finish this by wiping away the water and dust around .

Accessories of product

- | | |
|-----------------------------|-----|
| 1. Host machine of HUD..... | × 1 |
| 2. Reflecting film..... | × 1 |
| 3. OBD connecting line..... | × 1 |
| 4. instruction book..... | × 1 |
| 5. non-slip mat..... | × 1 |
| 6. warranty card..... | × 1 |