

Head Up Display

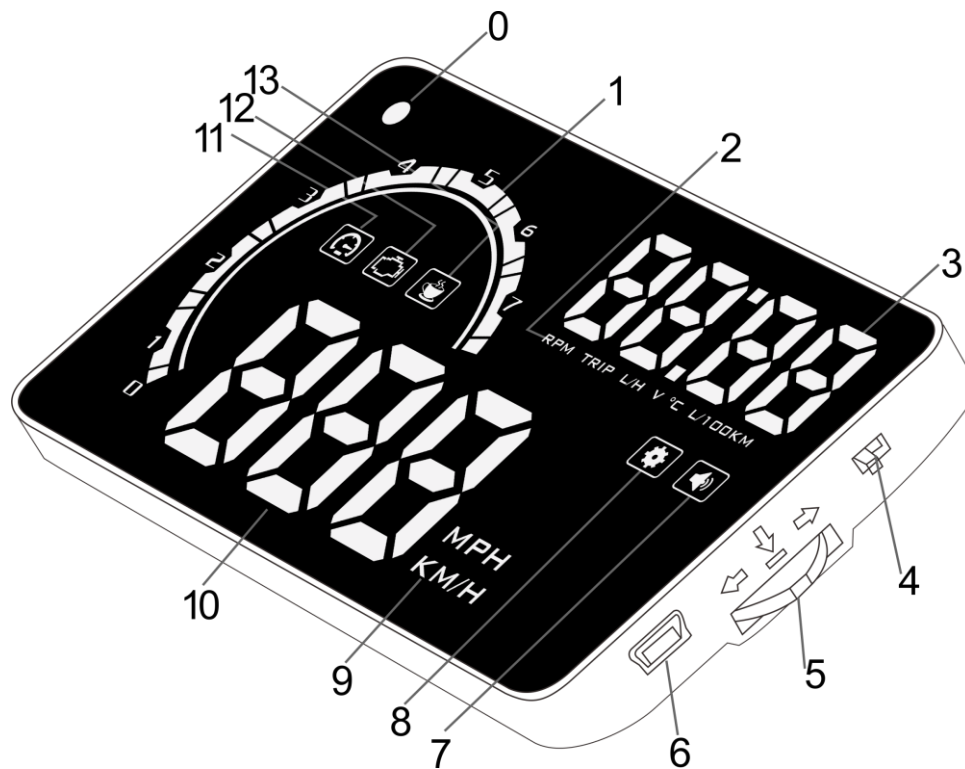
User manual

Model: D2000

Introduction

HUD short for Head Up Display. It displays driving data on the front windshield such as speed, RPM, fuel consumption, water temperature, voltage etc on the car front window glass; avoiding drivers unsafety because of watching the instrument while driving. Drivers can read the driving information instantly, and can always keep the best state on the way with HUD

HUD Display functions



- 0. Light sensor: Automatically adjust the brightness according to the environment
- 1. RPM: the bright icon means the engine speed value
- 2. Multi functions area: RPM/Single driving distance/Voltage/Water temperature/Fuel consumption/Single driving time
- 3. Unit for Multi function area
- 4. Power button
- 5. Setting button
- 6. USB port
- 7. Buzzer

8. Setting button
9. Speed Unit of KM/H or MPH
10. Vehicle speed
11. Over speed alarm
12. Engine fault icon
13. Fatigue driving icon

HUD installation

1. Know your vehicle brand, HUD work for cars with OBDII agreement or EU OBD agreement. Open the engine hood and find the sticker below it (see the below picture 1), if it has words like OBDII CERTIFIED, then it can be installed.

2. Find out the 16 pin diagnostic link (see the below picture 2) of the vehicle and connect it well with OBDII connecting line.



Picture 1



Picture 2

Methods of pasting the film:

1. Spray some water on the place that the film will be pasted on, and then use a dry cloth to clean it;
2. Take off the back side (marked 1) of reflection film, then paste it to the window glass.
3. After you have adjusted the location, 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.
4. Take off the protection film (marked 2) of the reflection film. If the film cannot display the whole information, please adjust the non-slip mat to move the position.

Setting button functions: When the setting button in the left



1. Short pull up
 - (1) to switch the display mode (normal model/high speed mode/simple mode)
 - (2) after entering into the setting menu, to add the default value
2. Short pull down
 - (1) to switch the display mode (normal model/high speed mode/simple mode)

(2) after entering into the setting menu, to decrease the default value

3 . Short press in

(1) switch the multi functions: voltage/water temperature/RPM/single driving distance/single driving time/fuel consumption

(2) after entering into the setting menu, to add the menu

4 . Long pull down : turn off/on the buzzer

5. Long pull up: all lights will be on, to eliminate the fault code, do it again to save and exit

6. Long press in: (1) to enter into the setting menu,(2)when finish the adjustment, long press in the button to save and exit

Turn off/on the buzzer

Pull down the setting button for 5 seconds, to turn off the buzzer, do it again to turn on the buzzer

Factory reset

When the HUD turns off, long press-in the wave button and at the same time turn on the HUD, all the lights will be on, and then release the button, the reset finished.




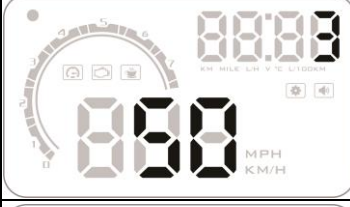
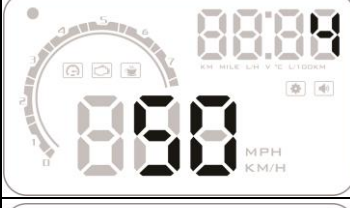



Clear the fault code




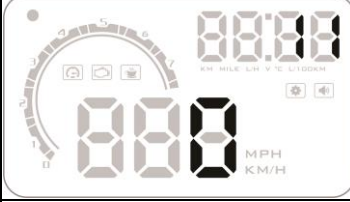


When HUD is power on, long pull up the button for 5 seconds, then all the lights will be on, HUD will give a sound of “di”, it means finished, do it again to save and exit

HUD setting

vertical long press in the setting button for 5s to enter the menu setting, vertical short press to increase the menu option, up and down the setting button to increase or decrease the parameter value. After adjustment, vertical long press 5 seconds to save and exit.

Enter into the setting menu					
Menu	Parameters	Adjustment range	Explanation	Default value	Display Status

0	Speed	50-150	If the speed is different with dashboard, it can be adjusted	107	
1	RPM	50-150	If the RPM is different with dashboard, it can be adjusted	100	
2	Fuel consumption	50-150	If it is different with dashboard, it is adjustable	100	
3	RPM alarm	10-75	HUD will give the alarm when the RPM reach to 5000 r,the default alarm can be changed	50	
4	Shit reminder	0-75	HUD will give the alarm when the RPM reach to 5000 r,the default alarm can be changed	50	
5	Four stage alarm	0-1	0=alarm off 1=open alarm(when speed at 60,80,100,120KM/H will give alarm)	0	
6	Single alarm	30-250	When the vehicle speed reach to 150,HUD will give the alarm	150	
7	Display mode	0-2	0 is automatic mode: when speed below 80km/h, hud show all information ;and when speed over 80km/h,hud is in high speed mode,1 is display all information, 2 is high speed mode(only display speed and fuel consumption)	1	

8	Brightness adjust	0-6	0 =automatic brightness adjustment, 1=darkest, 6=brightest	0	
9	Speed unit	0-1	0=KM 1=MPH	0	
10	Water temperature unit	0-1	0=°C 1=°F	0	
11	Single Driving distance unit	0-1	0=kilometer 1=mile	0	
12	Start reference voltage	0-150	If HUD cannot auto turn off, or the car are with ASS(Automatic start/stop system),change the voltage at 132(means 13.2V),HUD will turns off in 3 minutes later	0	
13	Factory reset	0-1	Set to 1,vertically press the setting button for 5s, then return to the display interface.	0	

Troubleshooting

1.The screen without any display, and no power

Start the car engine; check if the OBD cable line is tight; please pull down the OBD cables more times to ensure; check if HUD power switch turns on. If still no display, please change another car to test, analyze whether the car OBD diagnostic interface is good, if it is not good, please repair it and try again.

2.When HUD power on, HUD only shows the car voltage and be automatic power off after 30 seconds driving.

HUD just available for cars with OBD2 agreement and EU-OBD agreement (European region: after 03 years, Other region: after 07 years)

HUD Products donnot support JOBD and OBDI and recommended test for another car.

3.See not clearly when HUD under the sunlight.

Check whether the HUD host surface protective film is torn, and please stick the reflection film in the gift box corresponding on the windscreen. Then vertical press in 5 seconds to enter into menu setting when HUD is power on, short press 8 times to menu 8, adjust the parameter to 6, vertical press in 5 seconds to save.

4.Wrong operation lead to crashes

Do a factory reset

When HUD is power on, long press in the setting button for 5 seconds to enter into the menu setting mode, short press in the button for 13 times to menu 13,the default value is 0,short pull up or pull down to change it at 1,then long press in the button for 5 seconds to save and exit

5.Inaccurate Speed

a. First check the speed unit is correct or not, the speed unit including KM/H and MPH, set it at the correct one(refer to menu 9)

b. When HUD is power on, vertical press the setting button for 5 seconds to enter into the menu 0 and the parameter shows 107,up or down the setting button to increase or decrease the value according to the difference until it shows correct one. After adjustment, vertical press in 5 seconds to save it.

6.Inaccurate RPM

When HUD is power on, vertical press in the setting button for 5 seconds to enter into the menu, then short press in 1 time to menu 1, the default value is 100,short pull up or down the button to adjust same as dashboard. After finishing the adjustment, vertical press in 5 seconds to save it

7.Inaccurate fuel consumption

The unit for fuel consumption is L/100KM, HUD display is the single driving fuel consumption, while car display is Integrated average driving fuel consumption, so it is normal if there are difference.

HUD display three kinds of fuel consumption

- a. Idle mode: HUD display Instantaneous fuel consumption per hour (L/H), it means HUD can figure out how much oil the car will consumed after start engine in one hour
- b. Driving mode: HUD display Instantaneous fuel consumption of 100KM
- c. Finish driving: HUD display is average fuel consumption of 100KM, when turn off the car, HUD will auto turn off in 10s

8. HUD cannot automatically turns off (RPM and Speed are not off set)or the car are with Automatic start/stop system

Automatic start/stop system cars shut down,HUD will turns off,if not,Set the menu 12 value at 132V(when the car voltage is less than 13.2V,HUD will turns off)

9.When HUD power off, it re-start again

Vertical press in 5 seconds to enter into menu setting, short press 12 times to menu 12, the default parameter is 0, up or down change it to 136V or 138V, vertical press in 5 seconds to save and exit.