

Car Head Up Display

Model:D5000

Introduction

HUD short for Head Up Display. It displays driving datas 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



- 1 Driving Speed
- 2 Light sensor: Automatically adjust the brightness according to the environment
- 3 Multi-Functions area 1: battery voltage, Instantaneous fuel consumption, 100 km instantaneous fuel consumption
- 4 Water temperature icon
- 5 Unit icon: V=voltage, L/H=(Liter/Hour), L/100KM=100 km instantaneous fuel consumption
- 6 Power button
- 7 Setting button
- 8 USB port

- 9 Unit icon: RPM=Engine speed, MIN=single driving time, TRIP=single driving distance, °C=Celsius, °F=Fahrenheit, a+=100 km acceleration time
- 10 Multi-Functions area 2: Engine Speed, single driving time, single driving distance, water temperature, 100 km acceleration time
- 11 The icon shows: buzzer, over speed alarm, fault code, fatigue driving, shift reminder, voltage
- 12 RPM icon
- 13 Speed unit: KM/H and MPH

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) switch the multi functions area 1: battery voltage/Instantaneous fuel consumption/100 km instantaneous fuel consumption

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

2 Short pull down

(1) switch the multi functions area 2: Engine Speed/single driving time/single driving distance/water temperature/100 km acceleration time

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

3 Short press in

(1) switch the display mode (normal model/high speed mode/simple mode)

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

4 Long pull down : turn off/on the buzzer, long pull down 5s to turn off the buzzer, do it again to turn 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








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, that's factory reset.

Or find menu 15, adjust the default from 0 to 1, 1 means finish the factory reset, then long press in 5s 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 default value. After adjustment, vertical long press 5 seconds to save and exit.

Enter into the setting menu					
menu	Function	Adjust range	Description	Default value	Setting picture
1	Speed	50-150	If HUD speed is different with dashboard, it can be adjusted	107	
2	Fuel Consumption	50-150	If HUD fuel is different with dashboard, it can be adjusted	100	
3	RPM alarm	10-75	RPM alarm will work when it reaches 7500,75 means 7500r	75	
4	Shift reminder	10-75	Shift reminder will work when it reaches 7500,75 means 7500r	75	
5	4-stage alarm	0-1	0=alarm off 1=alarm on(HUD will give alarms when speed at 60,80,100,120)	0	
6	Single over speed alarm	30-199	When the vehicle speed reaches 150,alarm will be available	150	
7	Brightness adjust	0-5	0 =automatic brightness, 1=darkest, 5=brightest	0	

8	Water temperature alarm	50-150	Water temperature alarm will on when it higher than 120°C	120	
9	Voltage alarm	0-15.0	Voltage alarm turns on when it lower than 10.0V	10.0	
10	Fatigue driving alarm	1.0-8.0	Fatigue driving alerts after four hours driving	4.0	
11	Speed unit	1-2	1=KM, 2=MPH	1	
12	Water temperature unit	1-2	1=°C 2=°F	1	
13	Power On/off voltage	0-15.0	If HUD cannot auto turn off, change the voltage at 13.2,HUD will turns off in 3 minutes later	0	
14	Power Off delay	20-300	Please make the default value to 180 or above when your car is stop-start or Electric hybrid, then HUD will power off in 3 mins	20	
15	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 only available for cars with OBD2 and EU-OBD agreement(European region: after 2003 years, Other region: after 2007 years)

HUD Products don't support JOBD and OBDI protocol.

3.See not clearly when HUD under the sunlight.

Check whether the HUD protective film is torn, and please stick the reflection film included 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 7 times to menu 7, adjust the parameter to 5, vertical press in 5 seconds to save.

4.Wrong operation leads 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 15 times to menu 15,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

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 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.

3 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

7 Stop-star cars

Vertical press in 5 seconds to enter into menu setting, short press 14 times to menu 14, the default parameter is 20, up or down change it to 180, then power off time will be 3 minutes, then vertical press in 5 seconds to save and exit, HUD will power off in 3 mins.

8 When HUD power off, it re-start again

Vertical press in 5 seconds to enter into menu setting, short press 13 times to menu 13, the default parameter is 0, up or down change it to 13.2V or higher, vertical press in 5 seconds to save and exit.