

# Car HUD Head Up Display

## Model M8

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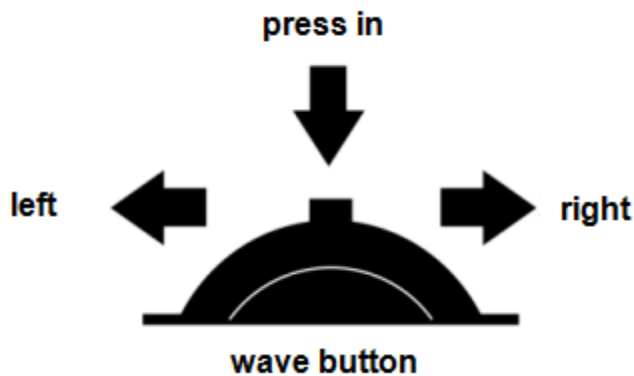
HUD short for Head Up Display. It displays driving data on the front windshield such as speed, RPM, water temperature, voltage single mileage etc on the car front window glass; avoiding drivers unsafety because of watching the instrument while driving. Drivers can read the driving information instantly,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

### Product function



1. Ambient decorative lighting
2. Engine RPM
3. Fault code alarm
4. Fatigue driving alarm
5. Alarm icon
6. Light sensor: HUD can automatically adjust the brightness according to the environment
7. Speed unit: KM/H, MPH
8. Multi-function zone: speed, water temperature, battery voltage, driving distance
9. Water temperature icon
10. Battery voltage icon

### Wave button function:



#### When the wave button is in the front:

1. Short push left: after entering into the setting menu, to add the default value
2. Short push right: to switch the display mode (normal model/high speed mode/simple mode)
3. Short press in:
  - (1) switch the multi functions: voltage/water temperature/Speed
  - (2) after entering into the setting menu, to add the menu
4. Long push left: turn off/on the buzzer
5. Long push right: 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, the reset finished.

#### Clear the fault code

When HUD is power on, long pull right the button for 5 seconds, then all the lights will be on, it means finished, do it again to save and exit








#### Turn off/on the buzzer


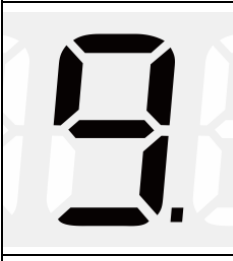

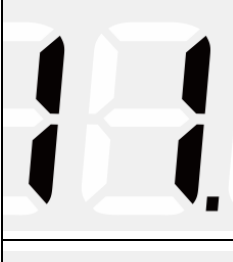

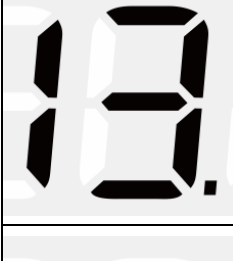

Long push left the setting button for 5 seconds to turn off the buzzer,do it again to turn on the buzzer

### HUD setting

Long press in the wave button for 5s to enter the menu setting, short press in to increase the menu option, push left or right the wave button to increase or decrease the parameter value. After adjustment, long press in 5 seconds to save and exit.

Menu	Function Parameters	Adjustment range	Explanation	Default value
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	speed	50-150	When the Speed is not the same as dashboard:push left or right the wave button to adjust. Eg. When dashboard display speed at 100, HUD display speed at 103 (fast 3 than dashboard), then adjust HUD default value from 107 to 104	107
	RPM alarm	10-75	HUD will give the alarm when the RPM reach to 5000 r (50=5000r),the default alarm can be changed	50
	Four-stage alarms	0-1	0=alarm off 1=open alarm(when speed at 60,80,100,120KM/H will give alarm)	0
	Over speed alarm	30-199	When the vehicle speed reach to 150,HUD will give the alarm	150
	Fatigue driving alarm	1.0-8.0	HUD will give fatigue driving alarm each 4 hours	4.0
	Water temperature	50-150	HUD will give alarm when water temperature reach 120°C,the default value can be changed.	120
	Voltage alarm	0-15.0	HUD will give alarm when voltage less than 10 V	10.0

	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 )	1
	Brightness adjustment	0-5	0 =automatic brightness adjustment, 1=darkest, 5=brightest  1→5 is increasing	0
	Speed unit	0-1	0=KM 1=MPH	0
	Water temperature unit	0-1	0=°C 1=°F	0
	Start voltage	0-15.0	If HUD cannot auto turn off,change the voltage at 13.2	0
	Turn off time	20-199	The default value for HUD turn off time is 20 seconds,when the car is gas-electric hybrid a, you can delay the shutdown time(e.g. 180s),then the HUD will shutdown in 180s	20
	Factory reset	0-1	Set to 1,vertically press the setting button for 5s, then return to the display interface.	0

## **Warning**

If donnot use HUD for a long time, please pull out the cable

## **Troubleshooting**

### **1.The screen without any display, and no power**

Start the car engine; check if the OBD cable line is tight; please pull out the OBD cable 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 a few seconds driving.**

OBD mode 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.The machine is stuck or stuck during driving**

Check the OBD interface if connected with other OBD device,please remove other OBD devices and do the factory reset (find menu 14).

### **4.Inaccurate Speed**

(1)First check the speed unit is correct or not, the speed unit including KM/H and MPH

(2) When HUD is power on, vertical press the setting button for 5 seconds to enter into the menu 1 and the parameter shows 107,push left or right 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.(Example:If the dashboard shows 100,and HUD shows 103,then change the HUD default value from 107 to 104)

### **5.Stop-star cars**

Vertical press in 5 seconds to enter into menu setting, short press 13 times to menu 13, the default parameter is 20, push left or right to change 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.

### **6.HUD can not auto power off(RPM or Speed not at 0)**

When HUD is power on,long press in the button for 5 seconds to enter into menu,set to menu 12. Change the voltage from 0 to 13.2V or 13.5V. Once the adjustment finished,long press in the setting button for 5 seconds to save and exit.

### **7.When HUD turn off, but restart**

Find menu 12, adjust the default to 13.6-13.8 V

## Technical Parameters

- 1.Environment temperature: - 40 ° C— +120 ° C  
Barometric press: 86-106KPa  
Relative humidity:10%-95%  
Environment voice:<=60dB
- 2.Work voltage:11V~18Vdc(12Vdc/200mA)
- 3.Sleep current:<=30mA
- 4.Display way:Virtual image reflection
- 5.Display channel :LED Display
- 6.Reflector transmittance: 98%