Manual for Head Up Display

Model:M6

HUD short for Head Up Display.It displays driving datas on the front windshield such as speed, rpm, fuel consumption,water temperature,voltage;avoiding drivers become dangerous 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 Main Functions&Features:

1.Available for cars with OBD2 and EUOBD port(Car automatic diagnosis system) ,plug and play

2. Screen 3 inch HD display

3. Multi-color design makes the screen more abundant and easier to read

4. Nano-technology to eliminate double reflections,more clear.

6.Rich Contents: speed,rpm,water temperature,voltage,low voltage alarm,high water temperature alarm,over speed alarm, freely switch between kilometers&miles.

6. Auto power on/off: HUD start and off with vehicle started and shutdown, effective protection of the car battery;retaining the manual switch mode,more easy to control HUD.

7. Automatic and manual brightness adjustment mode,driving without glare

Display Function:

1.Light sensor: Changes the unit's display brightness to suit the constantly changing environment whilst driving.

2.Engine speed

3.Setting icon

4. Unit: water temperature (℃ ,℉), speed unit (KM/H, MPH), voltage unit (V)

5. Display area: speed, voltage, water temperature
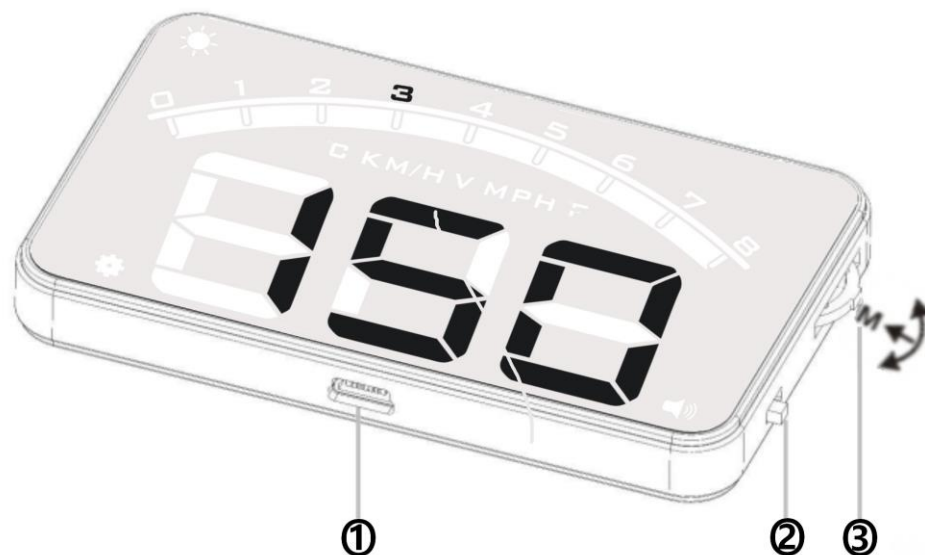
6. Buzzer mark for alarm

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.

HUD keys function:

1. OBDII cable input

2. Power switch

3.Setting button:Three way wave button, short or long press

a.Up button = up motion

b.Ok button = inward button press
c.Down button = down motion

Vertical Short press:
switch for water temperature, voltage, and speed.

Pull down the wave button for 5s:
turn on or off the alarm sound.

Reset setting:
Before HUD power on,Long press any button of HUD and don't loose,then start the engine, HUD will also power on,when screen shows RES mark and all the lights flashed, release the button , it show HUD have finished reset.

HUD settings:
Car speedometer value has been adjusted high by car factory to make driving safe.Since HUD receiving data from ECU,thus HUD display is the accurate value.ECU calculated data will be a little different with car dashboard data. If you find HUD display value is not same as your dashboard, you can enter the menu setting to adjust HUD value, then HUD display information will be the same as your dashboard.

Vertically press in the wave button 5 seconds:
Enter into menu setting (there are 3 directions for wave button: up,vertical,down),vertical long press, enter the menu setting,vertical short press to increase the menu option,up and down the wave button to increase or decrease the parameter value. After adjustment,vertical long press 5 seconds to return the previous interface.

Menu Adjustment Table:

Menu	According Parameters	Range Adjustment	Explanation	Default Values	Display State
0	Speed	50-150	When Speed not correct: Up or down the wave button to adjust	107	

1	RPM	50-150	When RPM not correct: Up or down the wave button to adjust	100	
2	RPM alarm	10-75	The default value for RPM alarm is 50, when driving over 5000 rpm, HUD will give rpm alarm.You can also adjust the default value	50	
3	Over speed alarm	30-500	The default value for speed is 150, when driving over 150 km, HUD will give speed alarm. You can also adjust the default value	150	
4	Brightness Adjustment	0-2	0 for automatic brightness adjustment, 1 is darkest, 2 is brightest	0	
5	Speed unit	1-2	1 is KM, 2 is MPH	1	
6	Water temperature unit	1-2	1 for ℃, 2 for ℉	1	
7	Delayed shutdown	10-900s	The default value for HUD shutdown time is 10 seconds,when the car is gas-electric hybrid and automatic start/stop system, you can delay the shutdown time(e.g. 130s)	10	

8	Power on voltage	0-15.0	If HUD cannot power off, pls adjust to 13.2-14.0V	0	

Use and installation for reflection film:

Please Note: HUD projects dashboard information on the car front windscreen , because the windscreen is double, which will make double reflection on the windscreen when it works.The double reflection will be different because of the different windscreen.If you can see clear the display information, then there is no need to use the reflection film. If there is a double image, then please use the reflection film.

First, please put the non-slip mat on the dashboard, and then put HUD on it.Reflection film can be stick to the position right above the HUD position which can reflect host screen to windscreen.

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.

Technical Parameters:

Environment temperature: -40c- + 80c atmospheric pressure 86-106KPa

Relative Humidity: 10% -95% environmental noise <= 60dB (A)

Alarm sound level: "= 30dB (A)

Working voltage: 9V ~ 16Vdc (12Vdc / 400mA)

HUD size: 9*5.4*1.2(cm)

HUD Weight: 40 g

Solution for Common Problems

1.The screen without any display,and no electricity
Reason: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 no display still,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.HUD only shows the car voltage and be automatic power off after 30 second when it under the condition with electricity while driving.
Reason: 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.Or vertical press in 5 seconds to enter into menu setting when HUD is power on,short press 4 times to menu 4,adjust the parameter to 2,vertical press in 5 seconds to save.

4.wrong operation lead to crashes. Or inaccurate datas
Do a reset setting.

5. Inaccurate Speed

a.First check the speed unit is correct or not, the speed unit including KM/H and MPH, short press in the wave button to switch between KM/H and MPH

b.When HUD is power on,vertical press the wave button 5 seconds to enter into the menu options, here menu option shows 0,parameter shows 107,up or down the wave 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.HUD setting for ASS(Automatic start/stop system)
The default value for HUD shutdown time is 10 seconds,when the car is gas-electric hybrid and automatic start/stop system, you can delay the shutdown time(from10 seconds extend to 120 seconds.)

7. HUD cannot power off or HUD can power off but re-start

Find the menu 8, adjust the default parameter 0 to 13.2-14.0V