

Head Up Display (GPS)

Model: Q5

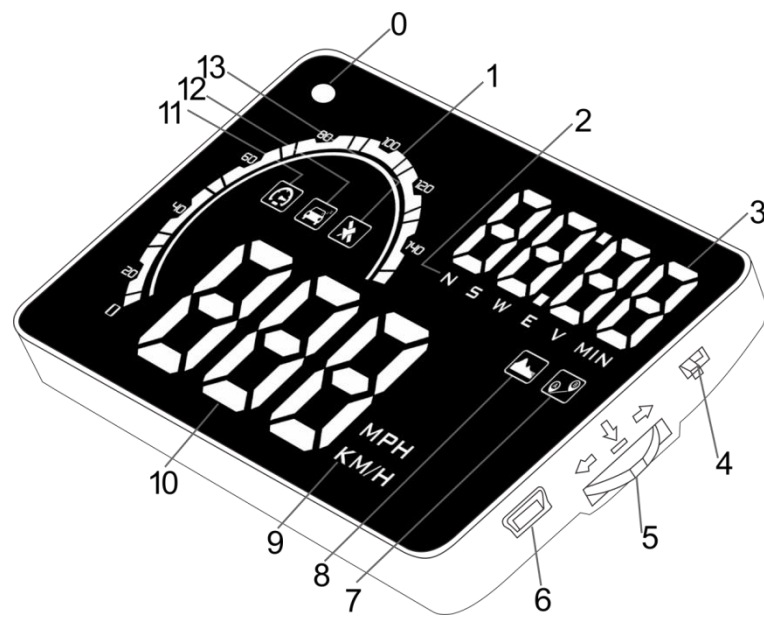
HUD short for Head Up Display. It displays driving data on the front windshield such as speed on the car front window glass; avoiding drivers unsafely because of watching the instrument while driving. Drivers can read the driving information instantly, and can always keep the best state on the way with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

(The product is for all cars with 5-24v, if car voltage is over 24v, please use separate USB cable+car charger head)

HUD Features

1. Universal for any car, easy installation, Plug and Play
2. 4.0-inch HD display
3. Color screen design, make the picture richer, easier to read
4. Nano-technology to eliminate double reflection, make the data clearer.
5. Rich display content: driving speed, compass, travel time, driving distance, driving time, satellite number, altitude, over speed alarm, fatigue driving alarm, free switch between kilometer&mile.
6. Automatic switch to turn on and turn off, effectively protect the car battery, while retaining the manual switch mode, more beneficial to control HUD
7. Automatic and manual brightness adjustment mode, no more dazzling driving.

Functions



0: light sensor

1: Speed icon

2: Multi-Functions unit: N-North, S-South, W-West, E-East, V-Voltage, MIN-Driving minutes

3: Multi-Functions

4: Power switch

5: Menu setting button

6: USB port

7: Driving distance: Kilometer and Miles

8: Altitude

9: Speed unit (Kilometer and Miles)

10: Speed in number

11: Over speed alarm

12: Fatigue driving alarm

13: Satellite signal indicator icon: This light flashes when searching for satellite signals

Before HUD installation

Placing HUD in the windshield of the appropriate location, plug the USB car charger into the inside of the cigarette lighter, starting the car in the moment of power, all LED lights of HUD will be lit, and in standby state, while the satellite signal icon lights began flashing. HUD will automatically search satellite signal till it can get at least one, then clock will be displayed. Satellite icon lights stop flashing after receiving satellite positioning, HUD can be used normally.

Host appearance Interface key

- 1.USB cable port
- 2.Power switch
3. Setting button,it can be
 - A. Toggle up(Value+)
 - B. Toggle down(Value-)
 - C. Press inward(5s press:enter into menu setting;1s press:menu switching)



When the setting button on the left

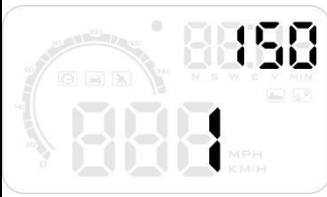
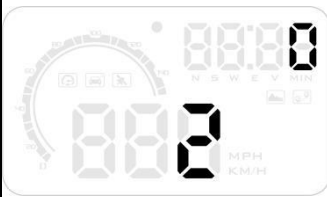
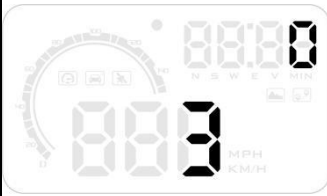
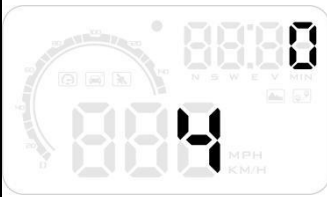
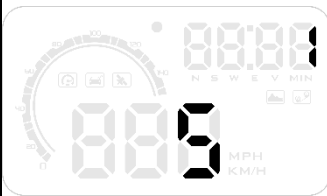
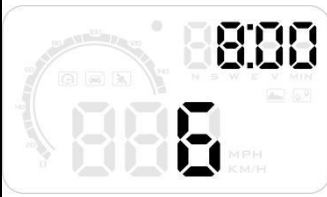
1. Long press inward for 5s : enter into menu setting(menu0-9),press 5 seconds inward again to save and exit.
2. Toggle up:Increasing parameter values after enter into menu setting.
3. Toggle down: Decreasing parameter values after enter into menu setting.
4. Short press inward:Switch between clock,voltage,driving time,satellite number,driving distance(enter into menu option,vertical short press to change the menu).
5. Long toggle down: turn on or off the alarm sound.



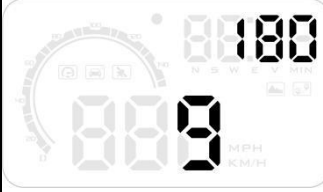
HUD data comes from satellite GPS, perhaps there is a little bit difference between the car factory data and satellite calculation, users can manually adjust this error in order to achieve your goal to make it as same as dashboard. HUD factory data had been calculated in accordance with the general test values, if there is a error with the car,please do the following adjustments:

5 seconds press inward:

Enter into the menu setting (there are 3 directions for setting button: up,in,down),vertical long press to enter the menu setting,vertical short press to enter menu options, will increase 1 unit,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.

Option	Function	Adjust range	Description	Default	Display State
0	Speed	80-120	Speed error: Up or down the wave button to adjust	107	

1	Over-speed Alarm	10-180	Speed alarm when it reaches 150KM / H ,up or down the wave button to adjust the alarm values	150	
2	Brightness	0-2	0-automatic brightness 1-darkest 2-brightest	0	
3	Speed Units	0-2	0 - KM 1 -Mile 2-Blank	0	
4	Driving distance units	0-1	0-Driving km 1-Driving miles	0	
5	Display Mode	0-5	0-Clock display 1-Driving distance 2-Driving time 3-Altitude 4-Voltage 5-Satellite numbers	1	
6	Clock Adjustment	0:00-12:00	Default is Chinese time(GMT+8),please increase or decrease the parameter to your clock	8:00	

7	Voltage	0.0-15.0	Cannot be automatic power off,please navigate voltage to 13.3-13.8V,if automatically off when driving,please adjust voltage to 12.8V	13.2	
8	Factory reset	0-1	Up the wave button,adjust the parameter to 1 and vertical press 5 seconds to save	0	
9	Shutdown time	5-900	When HUD<13.2v,it will be automatically power off after 180s	180	

Clock Adjustment:

Make sure your GMT(the default is GMT+8).According to your time zone to adjust HUD.Vertical press 5 seconds to enter into menu setting,short press 6 times to menu 6,parameter shows 8 (means GMT +8)up or down the setting button adjust to your clock,and then vertical press in 5 seconds to save.

Turn on and off the buzzer:

Pull down the wave button 5 seconds to turn off the buzzer,another 5 seconds to turn on the buzzer.

Reset setting:

When HUD is power on, vertically long press 5 seconds to enter into menu setting, short press for several times to menu 8, short pull down to parameter 1, after adjustment,long press in 5 seconds to save, then the reset will be finish.

How to use the 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 cause of the different windscreen.If you can see clear of the displaying 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 stucked on, then use a dry cloth to clean it;
2. Take off the back side (marked 1) of reflection film, then paste it on 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.

HUD Specifications:

Working voltage	DC 5-24V
Working current	40mA
Compass precision	$\pm 1^\circ$
Speed range	0-400KM
Real time precision	Satellite clock
Circuit protection	Voltage reverse connection, surge protection
HUD size	115x66x12mm
HUD weight	70 g

Solution for Common Problems**1. No display, and no power**

Checking the car charger cable if it is tight, pull down the car charger repeatedly and inserted several times, check the HUD switch if it powers on. If there still no display please try another car to test and analyze whether the car cigarette lighter interface is bad, if it is a bad cigarette lighter, please try to connect the cable line to the car battery.

2. HUD powers off after 20s

When the start voltage is less than 13.2V, HUD cannot power on. Pls start the engine, then long press in the wave button for 5s to enter into setting menu, short press the button 7 times to menu 7, up or down to adjust the voltage from 13.2 to 12.8 or 12.6.

3. HUD cannot be automatically power off after the car is turned off

Find menu 7, adjust the default to 13.3 or 13.8 V, then HUD will power off in 3 mins.

4.Inaccurate Speed

First,please confirm the speed unit,default unit is Kilometer.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(example:dashboard is 60km/h,HUD is 57km/h,there is 3km difference, $107+3=110$),then toggle up the button 3 times till parameter shows 110).After adjustment, vertical press in 5 seconds to save.

5.Over speed Alarm

Find menu 1, the parameter shows 150,it represents HUD will give an alarm when it reaches 150, then toggle up or down to increase or decrease, after adjustment,vertical press 5 seconds to save.

6.See not clearly when HUD under the sunlight.

Check whether the HUD protective film is torn,and please stick the reflection film in the gift box corresponding on the windscreen, and find menu 2, adjust the value to 2 (means the brightest)

7.wrong operation lead to crashes. Or inaccurate datas

Do a reset setting.

8.Inaccurate clock

Make sure your GMT(the default is GMT+8).According to your time zone to adjust HUD.Vertical press 5 seconds to enter into menu setting,short press 6 times to menu 6,parameter shows 8 (means GMT +8)up or down the wave button adjust to the time zone of your own country,