

User manual for Head Up Display

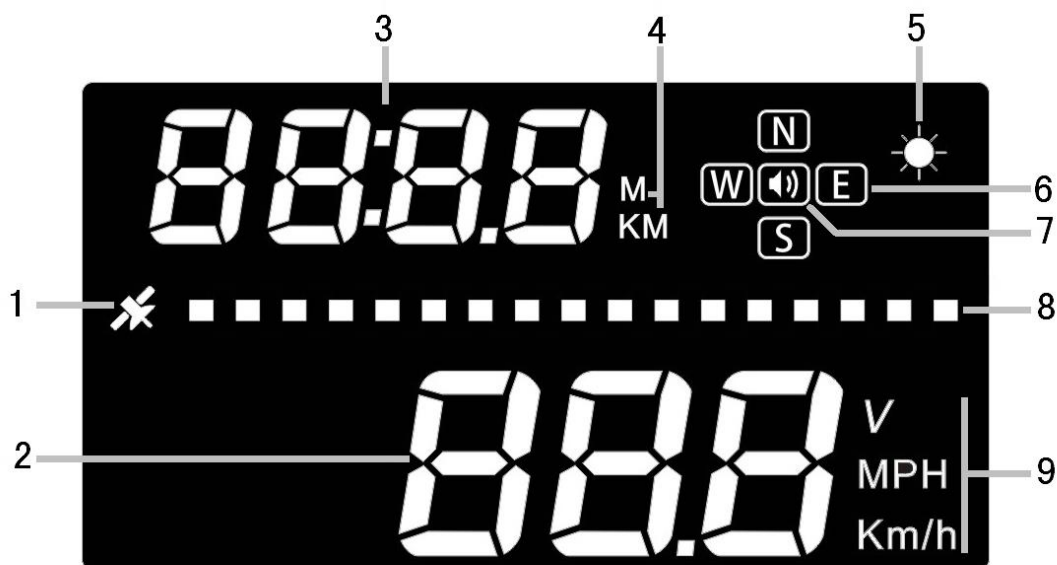
Model: A3

HUD short for Head Up Display. It displays driving data on the front windshield such as speed on the car front window glass, avoiding driver's 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 Main Functions&Features:

1. Available for any car, easy to install, plug and play
2. Screen 3.5 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.
5. Rich Contents: speed, compass, single driving time and distance, local time, satellite number, altitude, speed alarm, free switch between km and 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.

Button Function:



1: Icon for satellite signal: the light flashes when HUD searching for the satellite signal

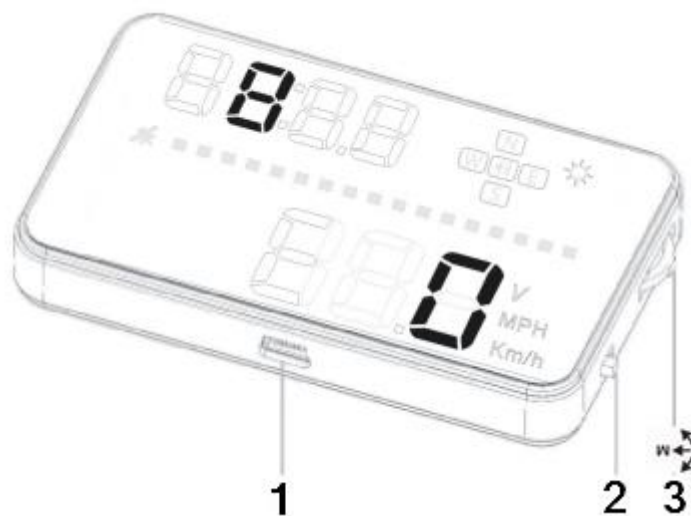
2: Speed, voltage

3: Clock, driving distance, driving time

4: driving distance unit (KM and Mile)

- 5: light-sensor
- 6: Driving directions:west,north,east,south
- 7: Buzzer icon
- 8: Number for satellite
- 9: Voltage ,speed

Host keys function:



- 1. USB cable port
- 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

Wave Button Function:

When the dial on the left



- 1. Vertical long Press 5 seconds: enter into setting menu(menu 1-8),after finish adjustment vertical long press 5 seconds to save.
- 2. Short pull up:Increasing parameter values after enter into menu setting.
- 3. Short pull down: Decreasing parameter values after enter into menu setting.
- 4. Vertical Short press:Switch between clock,driving distance,driving time(enter into menu option,vertical short press to adjust menu option)
- 5. Long pull down: turn on or off the alarm sound.

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.

Switching display contents:

Vertical short press: Switch between clock, driving distance, driving time

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.

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 wave button adjust to the time zone of your own country, and then vertical press in 5 seconds to return to the previous page.

HUD adjustment Code	Region	GMT
0	United Kingdom, Iceland, Ireland, Portugal	UTC
1	Norway, Sweden, Denmark, Poland, Germany, France, Netherlands, Spain, Italy	GMT+1
2	Finland, Belarus, Ukraine, Romania, Turkey, Israel, Egypt, South Africa	GMT+2
3	Russia, Saudi Arabia, Bahrain, Kenya, Iran	GMT+3
4	Mauritius, United Arab Emirates, Afghanistan, Seychelles	GMT+4
5	Pakistan, Turkmenistan, Sri Lanka, India	GMT+5
6	Bangladesh, Kazakhstan, Bhutan, Nepal	GMT+6
7	Vietnam, Laos, Cambodia, Thailand, Indonesia	GMT+7
8	(The default time zone) China, Malaysia, Singapore, Philippines, Hong Kong, Taiwan, Macau	GMT+8
9	Japan, Korea	GMT+9
10	Australia, Guam	GMT+10
11	Solomon Islands, Vanuatu	GMT+11
12	New Zealand, Fiji	GMT+12
13	Azores	GMT-1
14	Mid-Atlantic, Cape Verde	GMT-2
15	Brazil, Argentina, Uruguay	GMT-3
16	Venezuela, Bolivia, Paraguay, intelligence	GMT-4
17	Canada, Panama, Cuba, New York	GMT-5
18	Mexico	GMT-6




19	Salt Lake City	GMT-7
20	California, California, San Francisco	GMT-8
21	East Alaska	GMT-9
22	Hawaii	GMT-10
23	Samoa, Midway	GMT-11


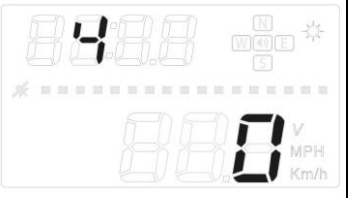
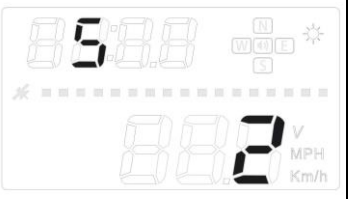
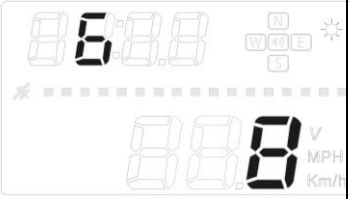


HUD settings:

Since HUD receiving data from satellite,GPS data will be a little different with car dashboard data.At that time,you can enter into menu setting to have a fine adjustment of HUD in order to get the same data as dashboard.If you find there is something different with the the dashboard values,please make an adjustment as below:

Vertically press in the wave button 5 seconds:

Enter into the menu setting (there are 3 directions for wave button: up,vertical,down),vertical long press, enter the menu setting,vertical short press 1 time , 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.

Menu	According Parameters	Range Adjustment	Explanation	Default Values	Display State
0	Speed	50-150	Speed error: Up or down the wave button to adjust	107	
1	Over-speed Alarm	30-250	Speed alarm when it reaches 150KM / H ,up or down the wave button to adjust the alarm values	150	
2	Brightness Adjustment	0-2	0 for automatic brightness adjustment, 1 is darkest, 2 is brightest	0	

3	Speed Unit	0-2	0 for KM 1 for Mile 2 for voltage	0	
4	Driving distance unit	0-1	0 for KM 1 for Mile	0	
5	Switch for functions	0-2	0 for clock, 1 for driving distance, 2 for driving time	1	
6	GMT adjustment	0-23	Default is Chinese time (GMT+8)	8	
7	Power on/off voltage	110-150	Automatic power on when voltage reach 13.2V, power off when voltage lower 13.2V	132	
8	Reset setting	0-1	Up the wave button, adjust the parameter to 1 and vertical press 5 seconds to save	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 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 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.

HUD Specifications:

working voltage	DC8-18V
Working current	40mA
sleeping current	15mA
Compass precision	$\pm 1^\circ$
Speed range	0-400KM
Real time precision	The same as satellite
Satellite positioning time	Cold start: 30s, hot start: 1s
HUD size	88*53*13mm
12V car charger	1000mA
HUD weight	40g

Solution for Common Problems

1. HUD screen without any display, and no power

Checking the car charger cable if it is tight, pull down the OBD cable repeatedly 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. No speed, HUD powers off after 20s or HUD can not be automatically power on or repeated power-off

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 wave button 7 times to menu 7, up or down the wave button to adjust the voltage

from 132 to 128, then HUD can power on.

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

HUD designed default voltage value is 13.2v, when voltage is above 13.2v,it will auto power on,when it lower than 13.2v,it will auto power off.When HUD cannot be automatically power off,please vertical press in 5 seconds to enter into menu setting,adjust it to menu 7,parameter 135 or higher,please note the value couldn't be too high in order to HUD cannot be automatically power on if it not reach the working voltage.

4.Inaccurate Speed

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.

5.Over speed Alarm

The default value for over speed alarm is 120,users can choose to increase/decrease the value by yourselves.

When HUD is power on,vertical press in the wave button 5 seconds to enter into the menu option,short press 1 time that time menu option shows 1, the parameter shows 120,it represents HUD will give an alarm when it reaches 120, then pull up or down the wave button 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 host protective film is torn,and please stick the reflection film in the gift box corresponding on the windscreen.

7.wrong operation lead to crashes. Or inaccurate datas

Do a reset setting.

8.Inaccurate Time

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,