



BLESYS A8 Car Head Up Display Instruction Manual

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Display introduction

1. **Light sensor:** Changes the unit's display brightness to suit the constantly changing environment whilst driving.
2. **Tachometer:** Indicates the speed of the engine.
3. **Alarm panel:** From left to right- Shift reminder, over speed alarm, engine fault, fatigued driver reminder, buzzer.
4. **Speed:** Vehicle speed.
5. Revolution speed units: indicating the units of rotational speed, 1000 rpm/min
6. **Unit mark:**
 - **KM/H** = Kilometres/hour
 - **MPH** = Miles/hour
 - **RPM** = rotations per minute
7. **Engine temperature:** Current engine temperature
8. **Secondary Alarm icon panel:** From left to right, Engine temperature alarm, battery voltage alarm, over speed alarm
9. **Unit mark:** Left to right top to bottom Degrees (Celsius or Fahrenheit)
 - **KM** = Kilometres
 - **V** = Voltage
 - **M** = Mile
10. Multifunction display window: Voltage, Mileage, Water temperature.
11. **Fuel consumption unit mark:**
 - **L/100km** = Litres/100 kilometres,
 - **L/H** = Litres/hour
12. **Fuel consumption display:** Fuel consumption with adjustable units of measurement as above.
13. Fuel consumption icon



HUD buttons

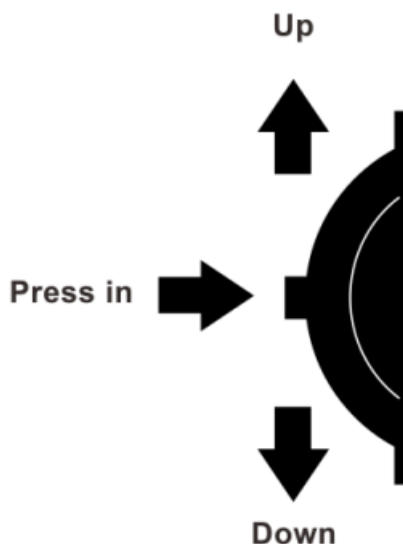
1. Set the dial: dial up / dial down / long dial up / long dial down / vertical short press or vertical long press to set
2. Power button
3. OBD line interface



Dial key function

(Below example the dial button is on the left)

1. Short up dial:
 1. Switch between 15 modes display
 2. Increasing parameter values after enter into menu setting.
2. Short down dial: decreasing parameter values after enter into menu setting.
3. Long down dial: turn on or off the buzzer.
4. Vertical short press:
 1. Switch water temperature, voltage, mileage
 2. After entering the settings, add menu setting items
5. Vertical long Press:
 1. enter into setting menu(menu 0-16)
 2. After finish adjustment, vertical long press in 5 seconds to save it and exit.



Turn off the alarm

Dial key down for 5 seconds: alarm buzzer sound diagram is off; then up for 5 seconds, sound diagram is on.

Clear the fault code

After the HUD is connected to the car, put the car key in the “ON” position, don’t start the car engine, wait for the HUD to go out, dial key down for 5 seconds, the HUD will make a “beep” to clear the fault code.

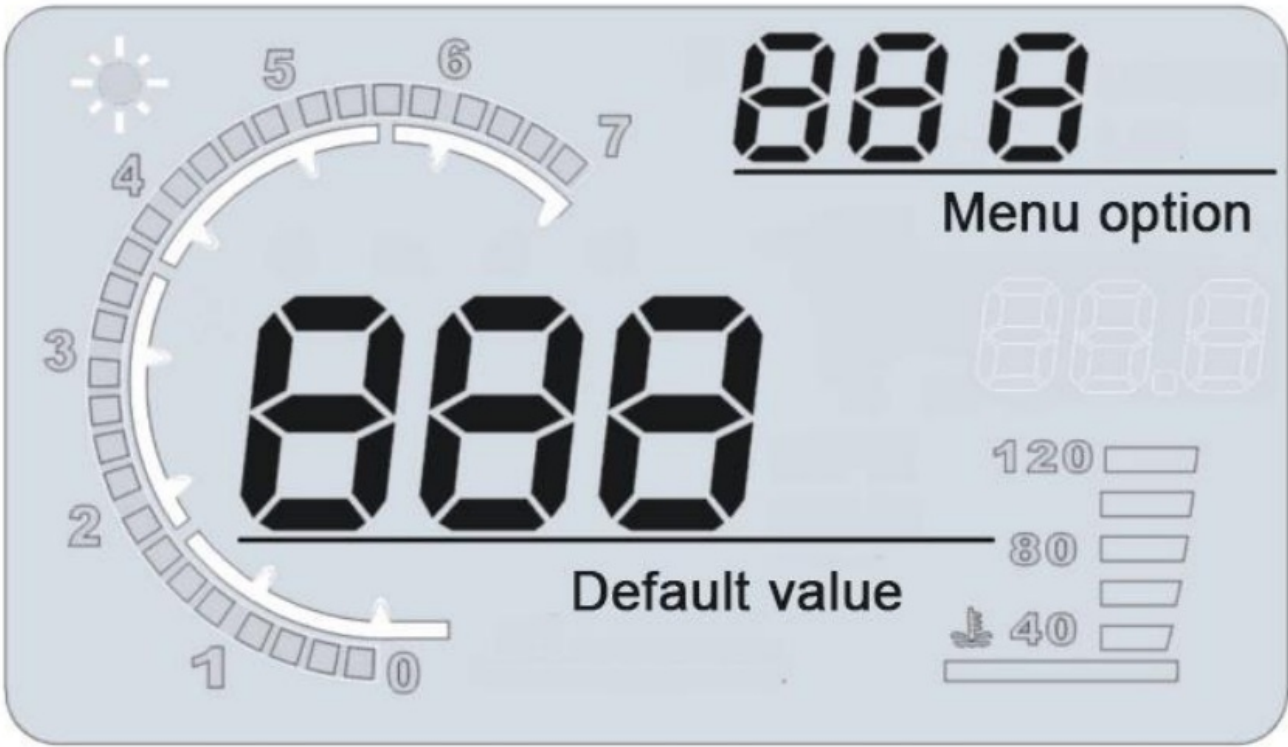
Reset setting

Turn on the vehicle and HUD, press the dial button vertically for 5 seconds to enter the menu options, short press it several times until the menu displays 16, short down dial to set the parameter to 1, then press the dial button vertically for 5 seconds to exit.






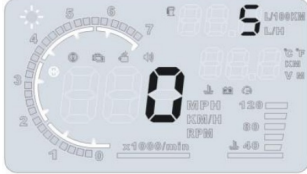

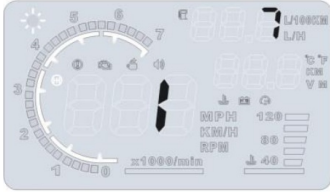
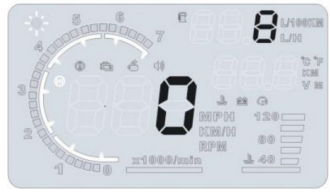
HUD settings


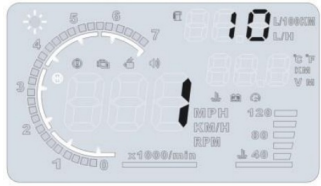
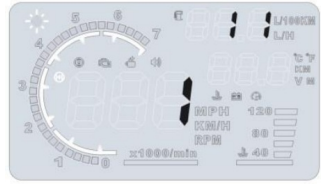
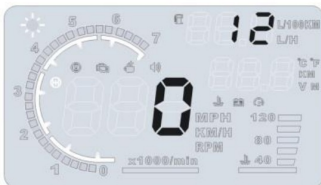




(please watch the image on the windscreen for setup)

A vehicle’s instrument cluster has an offset value meaning the value displayed on the factory instrument cluster is slightly higher than that computed by the vehicle. This offset value is different for different vehicle manufacturers. As a result, the following table is included from a large range of test data. If you find the value on your dashboard is different to the value displayed by the HUD, you can change it through the following procedure.



Menu Setting					
Menu	Function	Adjustment Range	Explanation	Default Value	Setting State

Item 0	Speed	50-150	(e.g. vehicle displays 100 Km/h, HUD shows 105Km/h, use default value $107-5=102$)	107	
Item 1	RPM	50-150	Adjust parameter value when there is error in RPM	117	
Item 2	Fuel consumption	50-150	Adjust parameter value when there is error in fuel consumption	100	
Item 3	RPM alarm	10-75	Alarm when the speed reaches the set default value of 5000 rpm	50	
Item 4	Shift reminder	10-75	The alarm can be fine-tuned at over 5000 rpm	50	
Item 5	Four-stage alarm	0-1	0>manual mode 1=four-stage alarm value (60, 80, 100, 120km/h).	0	
Item 6	Single-stage alarm	30-250	Alarm when the speed exceeds 150	150	
Item 7	Display mode	0-4	0= automatic mode, all speed under 80km/h; high-speed mode above 80km/h. 1= all information 2= high-speed mode, only display speed and fuel consumption 3= use voltage to control power on/off HUD (only use for gas-electric hybrid) 4=reserved options, don't set to 4	1	
Item 8	Brightness adjustment	0-2	0 =automatic adjustment, 1 = darkest by manual, 2 =brightest by manual	0	

Item 9	Fuel consumption unit	0-2	0 is no display, 1 is L/H, 2 is L/100KM	2	
Item 10	Speed unit	0-2	0 is RPM, 1 is KM, 2 is MPH	1	
Item 11	Water temperature unit	0-2	0=display water temperature; 1=°C; 2=°F;	1	
Item 12	Mileage unit	0-1	0=km/h; 1=MPH;	0	
Item 13	Reference fuel consumption	10-500	Vehicle fuel consumption	70	
Item 14	Air Displacement Setting	0-100	1. Car displacement is by default, and 16 represents 1.6L 2. When the fuel consumption is not displayed, adjust the displacement parameter value to 0	16	
Item 15	Start Reference Voltage	110-150	Power on when voltage exceeds this value and turn down when it is lower	132	
Item 16	Restore to Factory Settings	0-1	After setting 1, the dial button vertically for 5 seconds	0	

HUD installation and preparation before use

1. Understand your model brand, when buying HUD need to choose the OBD II (or EU OBD) standard model to use normally, open and look for the sticker under the hood, if there is OBDII CERTIFIED words can be installed (Figure 1), check that there is no car diagnostic seat under the steering wheel (most domestic cars after 2007 are assembled).
2. Find the 16-pin diagnostic socket (Figure 2) and connect it with an OBDII cable.



图 1



图 2

Basic method of film:

1. First spray some water on the film. Wipe it clean with an electrostatic towel without any dust
2. The protective layer 1 of the reflective film is torn open and attached to the HUD position on the film.
3. After adjusting the position, use the scraper or a smooth object to scrape flat the film until there are no bubbles inside.
4. If the data displayed by the HUD is not fully displayed on the reflective film, you can slightly move the anti-slip pad and the machine for adjustment

OBD2 HUD FAQ

1. The screen without any display, and no power

Please do these operations: If OBD cable is tight enough, pull the OBD cable out several times. Try another car to test.

2. When HUD power on, HUD only shows the car voltage and be automatic power off after 30 seconds driving.

1. HUD is only available for cars with OBD2 and EOBD
2. Agreement (European: manufactured after 2003, other region: after 2008)
3. HUD Products don't support JOBD and OBDI

3. The machine is stuck or stuck during driving

1. Whether other OBD devices are used for the OBD2 interface (locator, tire pressure monitoring, lock-up window foldable ELM27)
2. Modified and installed (central control navigation, electronic accelerator, cruise control, brushed computer system)
3. (One-button start, keyless entry, remote start) will cause a crash, unplug other OBD devices and use them directly.

Please remove other OBD devices and do the factory reset.

4. You can't see clearly in the sun

There is a protective film on the HUD, please tear it off and make sure that the Light sensor on the upper left

corner of the HUD is not blocked. In addition, you can enter the menu item 8 and set the value to 3, that is, set it to the brightest display. Also, use reflection film according to below instruction.

This product is the car driving data reflected on the glass of the car, because the glass of the car is double-layer, there will be slightly reflected on the display, according to the different glass of the car, if the shadow is serious, affect your reading driving data difficult, can use the product attached reflection film:

First of all, put the attached anti-slip pad in the flat position in front, the HUD host can be placed on it and adjust the position at any time, the reflective film can be affixed on the top of the HUD host, can reflect to the host screen.

5. Check whether the speed unit is accurate (set item 10)

Check if the unit is correct, km KM / mile MPH, (speed unit on menu item 10)

The speed of the car displayed on the dashboard of the factory is increased by 5-7%, and the international standard is subject to the driving computer data Fine the speed such as instrument display 100 Km/h HUD display 105 Km/h dial the parameter value to 102

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.

HUD display three 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

Under the condition with power, vertical press the wave button 5 seconds to enter into menu option, show press in 14 times to find menu 14, the default value is 16 (means the emission is 1.6L), up or down the wave button to increase or decrease the value according to the difference with your car emission until it shows correct.

Vertical press in 5 seconds to save and exit. Or find menu 2, the parameter shows 100, up or down to adjust.

7. Speed alarm setting

The speed alarm defaults to 150 If you want to increase or reduce the alarm value, In the case of power on, press the dial button vertically for 5 seconds to enter the menu option, and press the menu vertically for many times to display 6 and the parameter value 150, which indicates the speed 150 alarm, dial up or down, increase and reduce. After adjustment, press the dial button vertically for 5 seconds and exit

8. Start Stop cars setting

Vertical short press the wave button 5 seconds to enter into menu setting, vertical short press 7 times to menu item 7, the default value is 1, up or down the wave button to adjust the default value to 3 (3 is for voltage control switch for start-stop car), vertical press in 5 seconds to save and exit.

9. Restart after shutdown, restart scanning car protocol

Vertical press in 5 seconds to enter into menu setting, short press 15 times to menu 15, the default value is 132, up or down to adjust the default value to 135, vertical press in 5 seconds to save and exit.


HUD cannot power off automatically

1. **After the car is turned off, the HUD is turned off but restarted repeatedly:** Observe the HUD voltage. If the voltage is between 130-135, adjust the default value of menu item 15 to 136-137, then save and exit.
2. After the car is turned off, the HUD is stuck with the speed. Set the default value of menu 7 from 1 to 3. Then save and exit. If it still can't be turned off, set the menu 15 value to 136.

10. The OBD2 cable is not long enough

This HUD comes with a 170cm OBD2 cable. This cable can be used for most vehicles. If the HUD has been tested to be compatible with your car, and you need a longer OBD2 cable, please leave your positive product reviews, then email us zshengsi@outlook.com your order ID and address, we will send another longer cable for free.

Documents / Resources

	<p>BLESYS A8 Car Head Up Display [pdf] Instruction Manual A8 Car Head Up Display, A8, Car Head Up Display, Head Up Display, Display</p>
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References

- [BLESYS 5.5" Multi-Color HUD Head-Up Display in Car Easy To Use \(Not compatible with hybrids, diesel car, French and Italian brand cars, only cars manufactured after 2008 that support the OBD2 standard\) : Automotive](#)
- [BLESYS 5.5" Multi-Color HUD Head-Up Display im Auto Easy To Use: Amazon.de: Automotive](#)
- [BLESYS 5.5" Multi-Color HUD Head-Up Display en Coche Fácil De Usar \(No compatible con híbridos, coche diésel, coches de marca francesa e italiana, sólo coches fabricados después de 2008 que soporten el estándar OBD2\) : Amazon.es: Electrónica](#)
- [BLESYS 5.5" Multi-Color HUD Head-Up Display in Car Easy To Use \(Non compatible avec les voitures hybrides, voiture diesel, françaises et italiennes, seulement les voitures fabriquées après 2008 qui supportent le standard OBD2\) : Amazon.fr: High-Tech](#)
- [BLESYS 5.5" Multi-Color HUD Head-Up Display in auto Facile da usare \(Non compatibile con auto ibride, auto diesel, francesi e italiane, solo auto prodotte dopo il 2008 che supportano lo standard OBD2\) : Amazon.it: Elettronica](#)
- [BLESYS 5,5 inch multi-color auto HUD head-up display Gebruik nanotechnologie voor verblinding en helder HUD-display zonder reflectiefilm, werkt alleen met OBD2 en EUOBD auto : Amazon.nl: Auto & motor](#)
- [BLESYS Wielokolorowy wyświetlacz HUD Head Up o przekątnej 5,5 cala wykorzystuje technologię nanociągania i przejrzysty wyświetlacz HUD bez folii odblaskowej, działa tylko z samochodami OBD2 i EOBD \(wyprodukowany po 2008 r.\) : Amazon.pl: Motoryzacja](#)
- [BLESYS 5,5 tum flerfärgad bil HUD head up-display använder nanoteknik för bländningsborttagning och tydlig HUD-display utan reflektionsfilm, fungerar med OBD2 och EOBD-bilar \(endast producerad efter 2008\) : Amazon.se: Elektronik](#)
- [User Manual](#)

