OBD II Car Head Up Display
KAHUDA8OBDA
User Manual

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HUD is short for Heads Up Display. It will display driving data, reflected onto the windscreen. This allows you to view information regarding travel without taking your eyes off the road.

HUD Features

- Plug and play connectivity with any OBDII or EUOBD capable vehicle.
- 5.5” high-definition display.
- Multi-colour design, allowing for easy reading.
- Rich content, such as speed, direction, driving time, distance, real time, satellite number, altitude, speed alarm, fuel consumption, engine RPMs, water temperature and free switching between kilometres and miles.
- Auto power on and off.
- Automatic and manual brightness control.

HUD Display Information

1. Light Sensor: changes the unit display brightness to suit the environment
2. Revolution Speed: indicates the rotational speed of the engine
3. Alarm Icon: Shift reminder, over speed alarm, engine fault, fatigue reminder, buzzer.
4. Speed: Live speed
5. Revolution Speed Units: indicates the rotational speed units
6. Unit Marks: KM/H, MPH, RPM
7. Engine Temperature: Live engine temperature
8. Secondary Alarm Icons: Engine temp alarm, battery voltage alarm, over speed alarm.
9. Unit Marks: Degrees (celsius or fahrenheit), Kilometres, Voltage, Miles
10. Multifunction Display Window: Voltage, Mileage, Water Temperature
11. Fuel Consumption Units: Litres/100 kilometres or Litres per hour
12. Fuel Consumption Display: Fuel consumption with adjustable units of measurement
13. Fuel Consumption Logo

Installation

1. Ensure your vehicle is OBDII compatible or EUOBD.
   a) Check around the area under the steering wheel for an OBD plug.
   b) Contact your vehicle manufacturer or search online.
   c) Open the bonnet and look for an OBDII compatible sticker. (This stick may not be on all OBDII compatible cars, so this should not be a deciding factor)
2. Locate the 16 pin diagnostic link. This is usually located in the area under the steering wheel.
3. Start the vehicle's engine and ensure the power switch is in the on position.
4. The HUD will power on with the engine.
   a) If the HUD displays vehicle voltage, fuel consumption, speed and rotational speed, the unit has been installed correctly.
   b) Failing the above, wait for one minute or so for software to sync and confirm the OBD cable is plugged in correctly.

Using and installing the reflection film

The HUD projects information up onto the windscreen. Due to the construction of your windscreen, the HUD may create a double reflection on the windscreen, which will make it difficult to read. If this occurs, please use the reflection film.
First, place the non-slip mat onto your dashboard, then place the HUD on it. The reflection film can then be stuck into position right above the HUD position.

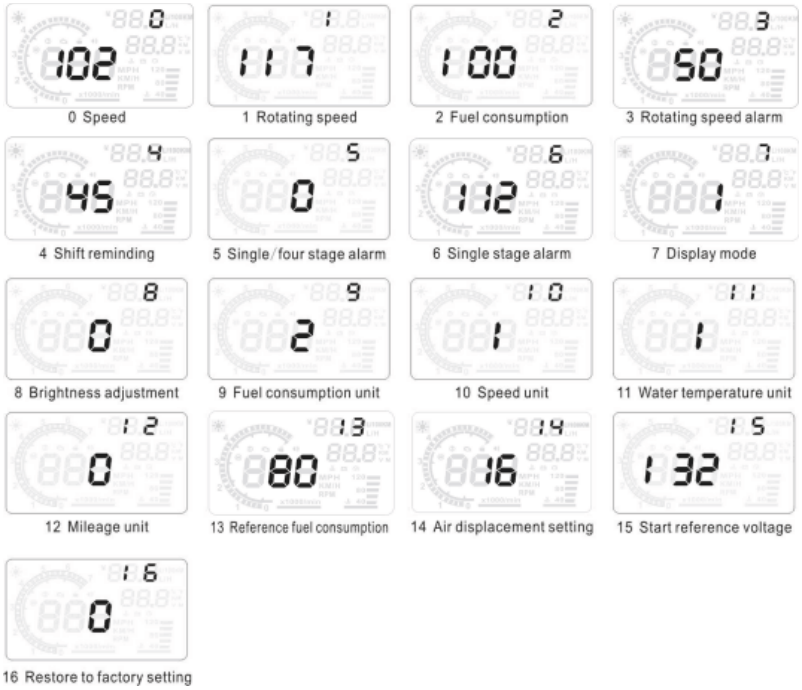
Pasting the film to the windscreen:

1. Spray some water onto the place where the film will be pasted, then use a dry cloth to clean it.
2. Take off the backside (marked 1) from the reflection film, then paste it to the windscreen glass.
3. Once you have adjusted the location, you can use a ruler or something else flat to smooth the film out, squeezing any bubbles or water out.
4. Take off the protection film (marked 2) from the reflection film. If the film isn't positioned to display all of the information, please adjust the non-slip mat to move the position.

Settings Menu

A vehicles instruments settings have an offset value, meaning that the value displayed on the factory instrument cluster will be slightly higher than those calculated by the vehicle itself. This offset value is different for different vehicle manufacturers, so as a result we have built in our own offset based from a large range of test data.
If you do find that your dashboard is vastly different to the values displayed by the HUD, you can change it through following this procedure.

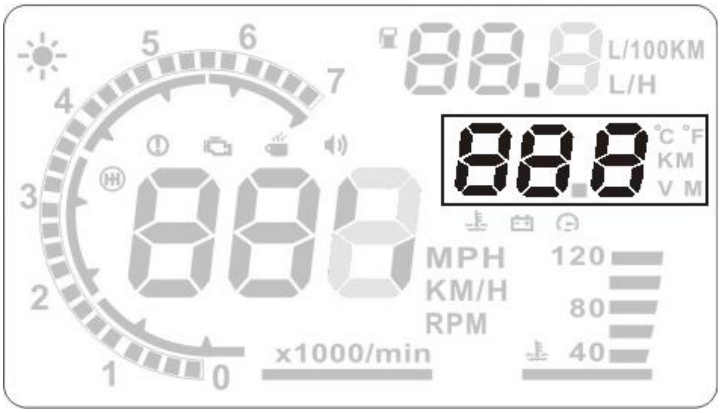
1. Enter the setting mode by holding the button down for 5 seconds.
2. Once in the settings mode, press the OK button to advance through the screens (see below), then use the scroll function on the button to adjust the values. The screen number you are in is displayed in the top right corner.
3. Once finished, exit out of the menu by holding down the button again for 5 seconds.



Menu	Parameters	Adjustment Range	Explanation	Default
0	Speed	50-150	Adjustment Range 50%-%150.	102
1	Rotational Speed	50-150	Adjustment Range 50%-%150.	117
2	Fuel Consumption	50-150	Adjustment Range 50%-%150.	100
3	Rotational Speed Alarm	10-75	Adjustment Range 1000-7500 r.	50
4	Shift Reminder	0-75	Adjustment Range 1000-7500 r.	45
5	Single/Four Stage Alarm	0-1	0 is a manual mode and 1 is the four-stage alarm value (60, 80, 100, 120km/h).	0
6	Single Stage Alarm	30-250	Setting range is 30km/h-250km/h.	112
7	Display Mode	0-3	0 is an automatic mode: show all with speed under 80km/h; show high-speed mode with above 80km/h. 1 show all information, 2 is high-speed mode, only display speed and fuel consumption,3 is use voltage to control power on/off of HUD(only use for gas-electric hybrid)	1
8	Brightness Adjustment	0-2	0 is the automatic adjustment; 1 is the darkest and 2 is the brightest.	0
9	Fuel Consumption Unit	0-2	0 is not a display, 1 is L/H, 2 is L/100km.	2
10	Speed Unit	0-2	0 is RPM, 1 is KM, 2 is MPH.	1
11	Water Temperature Unit	0-2	0 is to display water temperature, 1 is °C, 2 is °F.	1
12	Mileage Unit	0-1	0 is KMH, 1 is MPH.	0
13	Reference Fuel Consumption	10-500	Vehicle fuel consumption.	80
14	Air Displacement Setting	0-100	0 means the vehicle has the airflow meter; 1 means the reference fuel consumption. 2, 3, ...,100 means vehicle emission is 0.2L, 0.3L, ...,10L respectively.	16
15	Start Reference Voltage	110-150	This is the auto power on and off voltage for the HUD. There is no need to set this component.	132
16	Restore to Factory Settings	0-1	Set to 1. Vertically press the 'OK' button for 5 seconds, then return to the display interface.	0

Usage of the OK button

You can switch the display information between: water temperature, battery voltage, distance, default power. After a successful scan, you can display the distance.



Pull the button downward for 5 seconds to turn off the alarm buzzer, and the icon will disappear. Push the button upwards for 5 seconds to turn the alarm buzzer on, and the icon will appear.

Clearing Fault Codes

When the HUD is connected to the car, turn your car on until the electrics turn on (radio etc..), but do not start the engine. Have the HUD turned off. Press and hold the downside key for 5 seconds until you hear a “Tick” sound. This means that the HUD has reset to it's factory settings.

Technical Parameters

Environment temperature:	-40°C — +80°C
Barometric pressure:	86-106KPa
Relative humidity:	10%-95%
Environment voice:	<=60dB
Alarm sound level:	>=30dB(A)
Working voltage:	9V~16Vdc (12Vdc/400mA)
Size of product:	12.5 x7.5 x 1.5(cm)
Weight of product:	110g