Thank you for purchasing our HUD. This product is for drivers’ safety, at high speeds, especially in high-speed driving at night, in order to avoid the driver to look down their head to watch the instrument, and decrease car accident. HUD is in extremely critical moment reflects its delicate care. HUD can project the important information displayed by the instrument (such as speed) onto the windshield, it can not only to help determine the speed of inexperienced novice to control their speed and avoid many of the speed limit road due to speeding violation. More importantly, it enables the driver instantly read the number in great vision and always make drivers eyes on the road in clear mind.

Our HUD can display many useful information, and allows you to experience the speed and also to ensure your driving safety and driving pleasure.

Our HUD uses the latest stable performance of integrated circuits design, the indexes are in line with the standards, unique and elegant shape, smooth lines, thin body natural beauty, for your car to add a beauty.

Before you use our HUD, please read the instructions in detail, in order to make full use of all the features of the HUD.
HUD main features

1. Automatic adaptation car models, and can apply for cars in line with OBD II or EUOBD (onboard automatic diagnostic system). Plug and Play.
2. 5.5” large screen and high-definition display.
3. Multi-color design makes the screen more abundant and easier to read.
4. The use of nano-technology to eliminate unwanted reflections and can make display information more sharper.
5. New function: driving mileage measurement.
6. Display rich content: speed, engine speed, water temperature, battery voltage, instantaneous fuel consumption, average fuel consumption, mileage measurement, shift reminding, fatigue driving reminding, low voltage alarm, high temperature alarm, speed alarm, engine fault alarm, fault code elimination, free switching between kilometer and mile.
7. Auto power on and off with vehicle started and shutdown, effective protection of the car battery; while retaining the manual switch mode, and more beneficial to control HUD.
8. Automatic and manual brightness adjustment mode, driving without glare.

Button function

1. OBDII interface, to contact the vehicle OBD interface.
2. Button for power on and off.
3. Wave button: Up button (turning the button to upside), OK button (pressing the button vertically), Down button (turning the button to downside).
1. Light sensors, brightness can be changed with the change of the outside brightness.
2. Rotation speed: indicates the rotating status of the engine and the scale measured represents the speed reached.
3. Alarm icon: shit reminding, over speed alarm, engine fault alarm, fatigue driving reminding, buzzer
4. Speed: The number can indicate the current speed.
5. Rotation speed: indicates the rotating status of the engine, 1 means 1000/min
6. Unit mark: KM/H (Kilometer per hour), MPH (mile per hour), RPM (rotating speed per minutes)
7. Water temperature
8. Alarm icon: water temperature alarm, battery voltage alarm and over speed alarm.
9. Unit mark: °C - degree centigrade, °F - Fahrenheit, KM-kilometer, V - voltage, M-mile
10. Multi-function display: voltage, mileage, water temperature.
11. Fuel consumption unit mark: L/100km, L/H
12. Display L/100km: fuel consumption of one hundred kilometer, L/H: instantaneous fuel consumption
13. Fuel consumption mark

HUD Installation
1. Know the type of your vehicle. When purchasing HUD, you need to choose the type of vehicle that meets the OBDII standards (or EU OBD) for normal use. 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.

Reflection film installation
Please Note: HUD project the display information on the car front windscreen , because the windscreen is double, which will make double image on the windscreen when display. The windscreen is different. 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 supplied non-slip mats in front of the dashboard, and then put the HUD on it.

Second, please stick the reflection film on the windscreen.

The reflecting film should be pasted right above the host machine and it should be able to reflect the whole display screen.

Methods of pasting the film:
1. Spray some water on the place that the film will be pasted on, and then use a dry towel to clean it;
2. Tear off the back side (marked 1) of reflection film, then paste it to the right place.
3. After you have adjusted the location well, 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. Tear off the front side (marked 2) of the reflection film. If the film cannot display the whole information, please adjust the non-slip mat.
The first use of HUD
Start engine and power on HUD, showing the current vehicle voltage and then enter the search ECU state, if the HUD shows fuel consumption, speed, rotating speed, indicating that HUD has been installed successfully. (After 1 minute, or if only display the voltage, please check whether HUD, OBD interface, and OBD data cable are correct connection and plug the OBD cable tightly with vehicle OBD interface and HUD. Open HUD switch, and scan again)

HUD setting
HUD display information is from ECU, because when producing car, there is a difference between vehicle dashboard and ECU, then you can enter the setup mode to fine-tune the HUD display value, in order to achieve exactly the same value as dashboard. We have adjusted HUD according to the general test values at the factory, if you find HUD display information is different from dashboard, then make the following adjustments:

1. **Long press the wave button vertically for 5s**
   Please enter into the setting mode, there are three button for wave button: Up button (turning the button to upside), OK button (pressing the button vertically), Down button (turning the button to downside), after enter into the setting mode, press the OK button vertically one time, the menu will increase one. Turning the upside button and downside button to increase or decrease the parameter. After finish the adjustment, Long press the wave button vertically for 5s to return to the display interface.
Enter to the setting mode:

- 0 Speed
- 1 Rotating speed
- 2 Fuel consumption
- 3 Rotating speed alarm
- 4 Shift reminding
- 5 Single/four stage alarm
- 6 Single stage alarm
- 7 Display mode
- 8 Brightness adjustment
- 9 Fuel consumption unit
- 10 Speed unit
- 11 Water temperature unit
- 12 Mileage unit
- 13 Reference fuel consumption
- 14 Air displacement setting
- 15 Start reference voltage
- 16 Restore to factory setting
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<th>Adjustment range</th>
<th>Explanation</th>
<th>Default</th>
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<tr>
<td>0</td>
<td>Speed</td>
<td>50-150</td>
<td>Adjustment range 50%-150%</td>
<td>107</td>
</tr>
<tr>
<td>1</td>
<td>Rotating speed</td>
<td>50-150</td>
<td>Adjustment range 50%-150%</td>
<td>117</td>
</tr>
<tr>
<td>2</td>
<td>Fuel consumption</td>
<td>50-150</td>
<td>Adjustment range 50%-150%</td>
<td>100</td>
</tr>
<tr>
<td>3</td>
<td>Rotating speed alarm</td>
<td>10-75</td>
<td>Adjustment range 1000-7500 r</td>
<td>25</td>
</tr>
<tr>
<td>4</td>
<td>Shift reminding</td>
<td>0-75</td>
<td>Adjustment range 1000-7500 r</td>
<td>25</td>
</tr>
<tr>
<td>5</td>
<td>Single/four stage alarm</td>
<td>0-1</td>
<td>0 is a manual mode and 1 is the four-stage alarm value (60,80,100,120KM/H)</td>
<td>0</td>
</tr>
<tr>
<td>6</td>
<td>Single stage alarm</td>
<td>30-250</td>
<td>Setting range is 30km/h-250km/h</td>
<td>120</td>
</tr>
<tr>
<td>7</td>
<td>Display mode</td>
<td>0-2</td>
<td>0 is an automatic mode: show all with speed under 80KM/H; show high-speed mode with 80KM/H above.</td>
<td>0</td>
</tr>
<tr>
<td>8</td>
<td>Brightness adjustment</td>
<td>0-2</td>
<td>0 is the automatic adjustment; 1 is the darkest and 2 is the brightest.</td>
<td>0</td>
</tr>
<tr>
<td>9</td>
<td>Fuel consumption unit</td>
<td>0-2</td>
<td>0 is not display, 1 is L/H, 2 is L/100KM</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>Speed unit</td>
<td>0-2</td>
<td>0 is RPM, 1 is KM, 2 is MPH</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>Water temperature unit</td>
<td>0-2</td>
<td>0 is to display water temperature, 1 is °C, 2 is °F</td>
<td>21</td>
</tr>
<tr>
<td>12</td>
<td>Mileage unit</td>
<td>0-1</td>
<td>0 is kilometer, 1 is mile</td>
<td>0</td>
</tr>
<tr>
<td>13</td>
<td>Reference fuel consumption</td>
<td>10-500</td>
<td>Vehicle fuel consumption</td>
<td>70</td>
</tr>
<tr>
<td>14</td>
<td>Air displacement setting</td>
<td>0-100</td>
<td>0 means the vehicle has the air flow meter; 1 means the reference fuel consumption. 2,3,…,100 means vehicle emission is 0.2 L, 0.3 L,…, 10L respectively.</td>
<td>20</td>
</tr>
<tr>
<td>15</td>
<td>Start reference voltage</td>
<td>110-150</td>
<td>This is the auto power on and off voltage of HUD, and no need to set</td>
<td>132</td>
</tr>
<tr>
<td>16</td>
<td>Restore to factory setting</td>
<td>0-1</td>
<td>Set to 1, vertically press the OK button for 5s, then return to the display interface.</td>
<td>0</td>
</tr>
</tbody>
</table>
2. Vertically short press the OK button:
   Switch the display information, and can switch water temperature, battery voltage, mileage, default power on to display voltage, after successfully scan, display mileage.

3. Downside turn the wave button for 5s, the alarm buzzer icon will off, and upside turn the wave button for 5s, the alarm buzzer icon will on.

4. Clear the fault code:
   When HUD connected cars, please do not to start the engine, put the key to “ON” gear, and wait HUD to off. Long press the downside key for 5 seconds, then you will hear a "tick" sound from HUD, which means it finish the restore the factory settings.

Technical parameter:
Environment temperature - 40\degree C— +80\degree C
Barometric press:86-106KPa
Relative humidity:10%-95%
Environment voice:\leq 60dB
Alarm of sound level:\geq 30dB(A)
Work voltage:9V~16Vdc(12Vdc/400mA)
Size of product:12.5*7.5*1.5(cm)
Weight of product:110g
### Common problem, the reason and the solve way

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible reason</th>
<th>The way to solve</th>
</tr>
</thead>
<tbody>
<tr>
<td>No speed</td>
<td>The setting value is too high or the function is closed</td>
<td>Canceling stages of alarm and open the switch of alarm</td>
</tr>
<tr>
<td>No rotating speed</td>
<td>The setting value is too high or the function is closed</td>
<td>Resetting and opening the switch of alarm</td>
</tr>
<tr>
<td>No display after starting</td>
<td>The switch is not opened</td>
<td>Opening the switch and check the plug</td>
</tr>
<tr>
<td>Inaccurate display of fuel consumption</td>
<td>No air flow sensor</td>
<td>Resetting the emissions and then calibrating</td>
</tr>
<tr>
<td>No speed and engine speed display</td>
<td>Not conform to OBDII or EU-OBD port</td>
<td>Contacting with auto manufacturer</td>
</tr>
<tr>
<td>No mileage</td>
<td>No Settings of fuel and fuel consumption calibration</td>
<td>Switch to manual to input fuel and adjust fuel consumption</td>
</tr>
<tr>
<td>Speed is inaccurate</td>
<td>The unit of speed is MPH</td>
<td>Switching the unit of speed to KM/H</td>
</tr>
<tr>
<td>Only display speed and fuel</td>
<td>Speed exceeds 80KM/H</td>
<td>Entering into set and switch display mode to 1</td>
</tr>
</tbody>
</table>