



PTHUDXC02

HUD Vehicle Mounted Head Up Users Operation Instruction Manual

Product Introduction

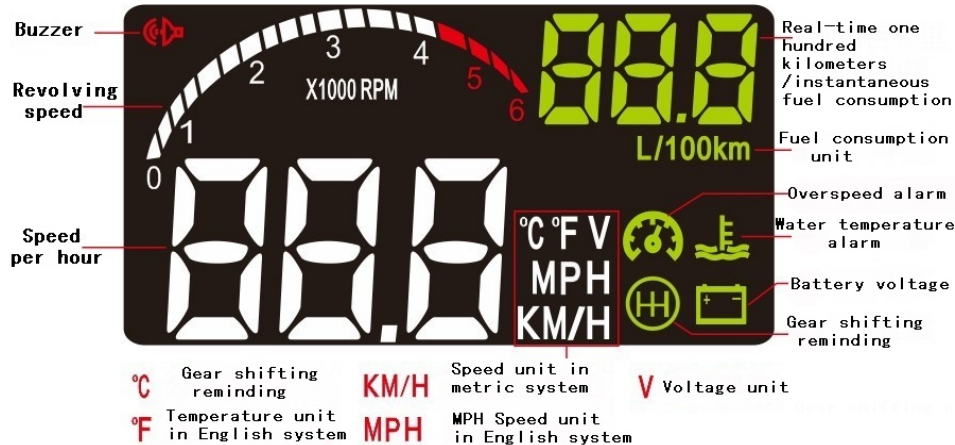
Thanks you for purchasing the PowerTrain head up display (HUD). Before using this product, please read the instruction manual in detail to know and best make use of all of its functions. Please ensure you check your local laws first surrounding the use of this product.

When driving at a high speed, especially at night, the driver may look down at the instrument panel, this momentary look may cause accidents as a result of the driver taking their eyes off the road. To reduce the likelihood of this occurring, some high end vehicles are equipped with a HUD system which can project important information onto the front windshield at the eye level of the driver.

This is a multi-functional HUD product which is developed based on the OBD II interface and has good cost-performance ratio. It is designed by adopting the latest integrated circuit with stable performance and has a beautiful and elegant appearance. The installation and adjustment test can be finished within 3 minutes by using a safe and easy installation method.

Introduction to Functions

Functions of the screen



1. Speed per hour: Indicates the current speed KPH.
2. Revolving speed: Indicates the engine revolutions.
3. Water temperature alarm: When the temperature reaches 100 degree centigrade alarm will sound and alarm light will show.
4. Gear shifting reminder: Reminds the driver to gear up to save fuel when the engine speed and vehicle speed come to a certain ratio.
5. Over speed alarm: Icon will flicker and alarm sound when the vehicle exceeds the speed limit entered by user.
6. Battery voltage: When the battery voltage is less than or reaches 12V, the caution light will show.
7. Buzzer Indicator: Indicators whether buzzer sound is off or on.
8. Fuel consumption : Displays fuel consumption per hundred kilometers (L/100km) while the vehicle is moving.

Operating Mode

1. Initial Use:

Once connected start the vehicle and turn on the HUD power supply switch. The boot screen will show and "HUD" will be displayed as below.



The HUD will then start to scan the vehicle communication treaty, the speed indicator shifts from 0 to 9 while scanning is done. The numbers indicate treaty type, 1-4 indicate CAN treaty, 5 and 6 indicate J1850 treaty, 7 indicates ISO treaty, and 8 to 9 indicate KWP treaty.



When the scanning is finished and the matching communication treaty has been successfully scanned, vehicle speed, rotate speed, instantaneous fuel consumption and buzzer status will be displayed on the main interface.



If the two treaty scans are not successful, the number shown will be “000”, the HUD will automatically enter into its dormancy status. Press any key at this time, HUD will be restarted and start scanning again.

2. Key Functions

2.1 “SET” key

- Sets status of the buzzer (off/on)
- After entering setting status, press the “SET” key means the setting contents will be saved.

2.2 “MENU” key

- Press “MENU” key to enter the setting interface. Press again to shift content.

2.3 “LEFT” and “RIGHT” key

- Under display status the “LEFT” and “RIGHT” key can be used to shift between the display of water temperature, voltage, vehicle speed and vehicle speed alarm.
- Under setting status the “LEFT” and “RIGHT” key can be used to adjust setting value.

After turning off the ignition key of the vehicle the HUD will enter the auto standby status. When starting the engine the HUD can be started when pressing any key.

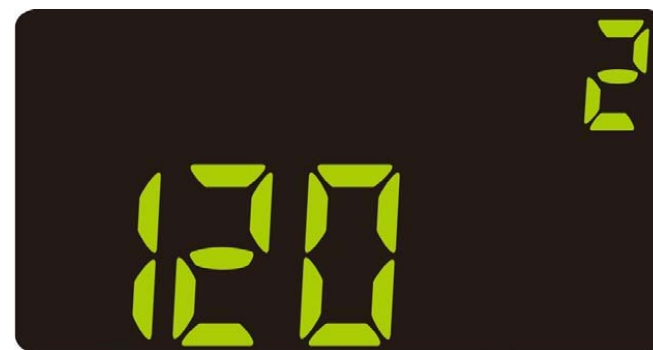
3. Alarms

The HUD includes reminder and alarm functions:

- Gear shift reminder. When the revolution speed of the engine reaches 2500 the buzzer will alarm and gear shift light will flicker.
- Over speed alarm. When the speed of the vehicle exceeds the user pre-set value the alarm will sound and the over speed icon will be lit.
- Water temperature alarm. When the water temperature exceeds the setting value the icon will be lit, water temperature value will flicker and alarm will.
- Voltage alarm. When the voltage falls below the setting value, the icon will be lit, voltage value will flicker and alarm will sound.

4. Adjusting Pre-Set Values

While on the home screen press the “MENU” key to enter. On the upper-right corner of display the number of the menu item will be displayed. The figure below will display the present setting value. Press the “LEFT” key or the “RIGHT” key to adjust the setting value, press "MENU" to shift to the next option. When you have finished the setting, press "SET" to save your modification.



- Alarm sound (1): "0" for off; "1" for on.
- Over speed alarm (2). When the speed of the vehicle exceeds this value it will give an alarm.
- Water temperature alarm (3). When the water temperature exceeds this value it will give an alarm.
- Voltage alarm (4). When the voltage exceeds this value it will alarm.
- Speed unit of measure (5). 0 indicates unit in metric system (KM/H), 1 indicates unit in English system (MPH)
- Shift reminder (6): Enter value divided by 10 (300 is 3000RPM)\
- Restore the factory setting (7), 0 is default value, 1 is restore the factory setting
- Slightly adjust the speed (8), Increase or decrease the default value 5 to keep the same as dashboard

Installation

1. Check to ensure your vehicle features OBDII most vehicles produced from year 2000 onwards will have one. If you are not sure then a quick search on the internet should help, otherwise try locating it as below.



2. Locate the 16 pin diagnostic link (see the picture below) of the vehicle and connect HUD. Usually this is located under or around steering wheel column or near handbrake. If you have trouble locating your OBDII port then please search the internet using keywords 'make model year of vehicle OBDII port location'
3. Place the non-slip mat on the dash in front of where you would like it to project to on windshield and place the HUD unit on top.
4. The reflecting film should be pasted right above the HUD where the image is to be projected.
 - a) Evenly apply water the place where the film will be pasted on
 - b) Rip off the covering layer of the film and apply water both sides of it. Fix to the windshield.
 - c) After you have adjusted the location of the film you can using a scratch board or something flat to squeeze the water inside out until there is no bubble or water between surface and film.
 - d) Wait a few minutes for the moisture to totally evaporate. Then finish by wiping away any water and dust surrounding film.

Contents of Box

1. Host machine of HUD × 1
2. Reflecting film × 1
3. OBD connecting line ×1
4. Instruction manual ×1
5. Non-slip mat × 1