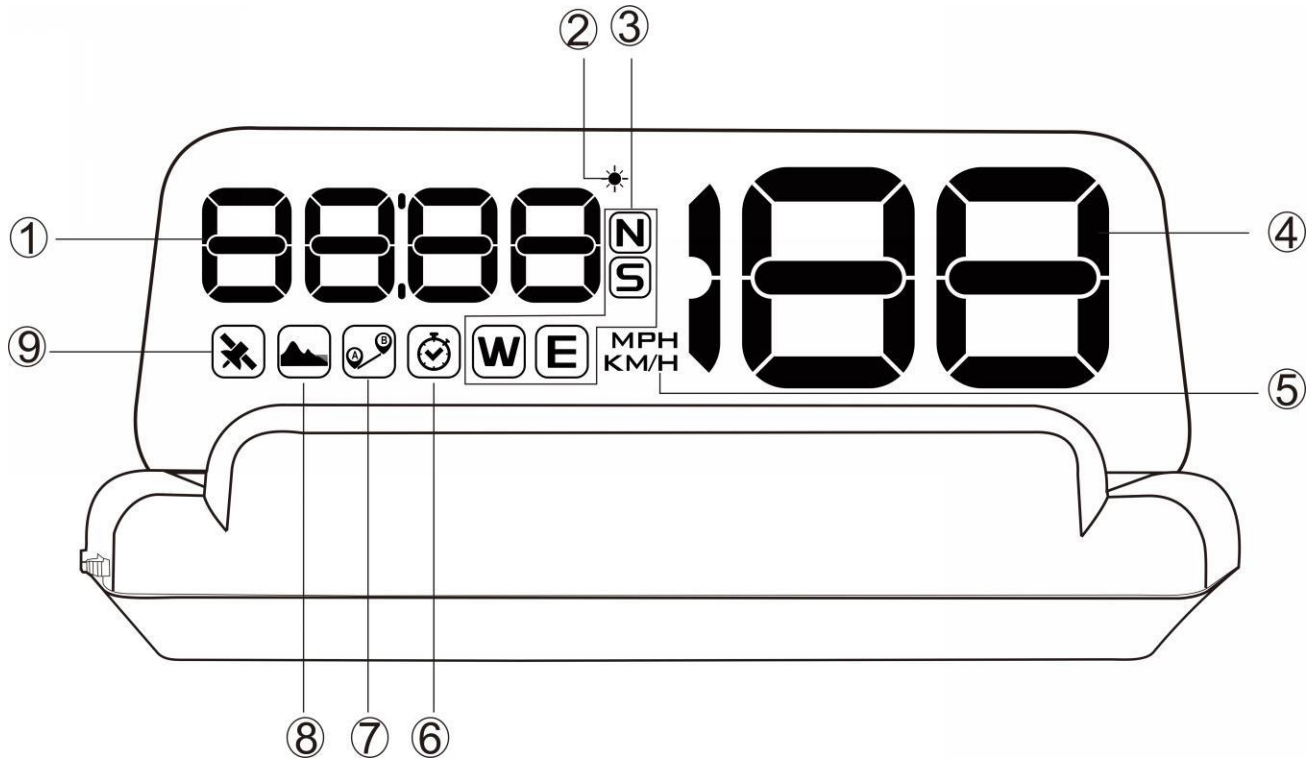


## Car HUD Head Up Display

Model: T900

### Functions

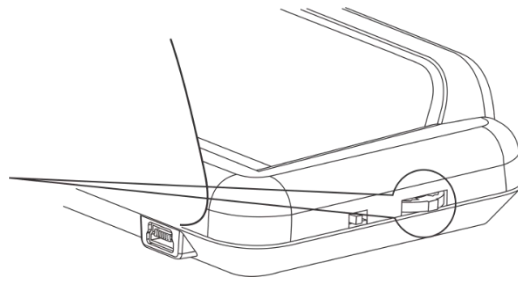
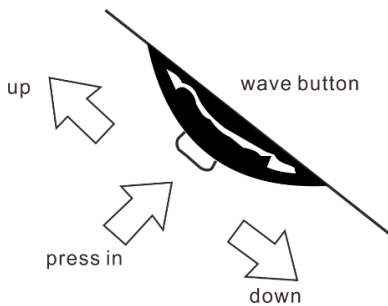


1. Multi functions display: clock, battery voltage, altitude, satellite numbers, mileage, trip time
2. Light sensor: HUD can automatically adjust the brightness according to the environment
3. Driving direction: N-North, S-South, W-West, E-East. It will display when the car is in driving.
4. Speed: display the vehicle driving speed in digital number
5. Speed unit :KM/H=kilometer/hour, MPH=Mile/hour
6. Clock and driving time icon
7. Mileage: display the single driving distance for this trip
8. Altitude: current altitude
9. Satellite signal icon: it will flash for searching signal, and will stop once searching the satellite signal successfully.

### First time using

- (1) Place the HUD on the dashboard
- (2) connect the HUD with the car cigarette lighter by the car charger
- (3) Start the car, and HUD will power on, then HUD will search the satellite signal, the signal icon will flash.
- (4) Once HUD got the signal, the icon will stop to flash, and HUD start working.

## Setting Button functions



When the setting button is in the left side

1. Long press in the setting button for 5 seconds

Function 1: to enter into the menu setting mode

Function 2: to save and exit after finishing the setting

2. Short pull up

function 1: switch the display mode

Function 2: after entering into the setting mode, to add the value

3. Short pull down: after entering into the setting mode, to decrease the value

4. Short press in

Function 1: Switch the multi functions display (clock/battery voltage/trip time/altitude/satellite numbers/mileage)

Function 2: after entering into the menu setting mode, to add the menu option.

5. Long pull down: turn on/off the buzzer

### HUD setting

HUD gets the info from GPS satellite, maybe it will be different with the dashboard information. The difference can be adjusted by setting the menu default value, to make the HUD data same as dashboard. HUD factory has adjusted the value according to the test, if there is any difference between HUD and dashboard, user can do as below steps.

Long press in the setting button for 5 seconds, to enter into the menu setting mode. Short press in the button to add the menu option. Pull up to increase the value, pull down to decrease the value. After finishing the setting, long press in the button for 5 seconds to save and exit.

Menu	Functions	Adjust range	Explanation	Default value	Display Status
0	Speed	80-120	If HUD speed is different with dashboard, short pull up or pull down the button to change	107	

1	Speed alarm	10-180	Default overspeed alarm value is 150,can short pull up or pull down the button to change	150	
2	Brightness	0-2	0=automatic adjustment 1=darkest 2=brightest	0	
3	Speed Unit	0-1	0=KM/H 1=MPH	0	
4	Mileage unit	0-1	0=KM 1=Mile	0	
5	Multi functions switch	0-5	Multi functions area: 0=Clock 1=Mileage 2=Trip time 3=Altitude 4=Battery voltage 5=Satellite numbers	2	
6	Timezone	0:00-12:00	Default timezone is Chinese time GMT+8,it can be changed according to the users timezone	8:00	
7	Sleeping voltage	0.0-15.0	If HUD cannot power off,change the voltage to 13.3V or higher	13.2V	
8	Factory reset	0-1	Set to value 1,then long press in the setting button to finish	0	
9	Offset time	5-900	The battery voltage less than HUD sleeping voltage,HUD will turn off in 180s later	180	

### **Timezone adjustment**

When HUD is working, long press in the setting button for 5 seconds to enter into setting mode, then short press in the button 6 times, to menu option 6, pull up or pull down the button to adjust the timezone. Default time is Chinese time. After changing, long press in the button for 5 seconds to save and exit.

### **Alarm buzzer**

When HUD is working, long pull down the setting button for 5 seconds to turn off the alarm buzzer, do it again to turn on the buzzer.

### **Factory reset**

When HUD is power on, long press in the setting button to enter into menu setting mode, short press in the button 8 times to menu 8, then set the value from 0 to 1. At last, long press in the button to save and exit.

## **Troubleshooting**

### **1. HUD screen without any display, and no power**

Checking the car charger cable if it is tight, pull down the car charger cable and repeatedly plug several times, check the HUD switch if it powers on. If there still no display, please try another car to test and check 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. When HUD power on, HUD automatically power off after 20 seconds driving**

When the car battery voltage is less than 13.2V, HUD cannot power on, please check the car engine if turn on or not, if yes, please set the HUD menu 7. Long press in the setting button for 5 seconds to enter into the menu mode, and short press in 7 time change to menu 7, then set the voltage value at 12.8V or 12.6V. Once finishing setting, long press in the button for 5 seconds to save and exit.

### **3. When car power off, HUD cannot auto power off**

Please adjust the menu 7, to change the voltage at a higher value, 13.3V-13.8V.

Once finishing the setting, long press in the button for 5 seconds to save and exit, HUD will turn off in 3 minutes.

### **4. Inaccurate Speed**

a. First check the speed unit is correct or not, the speed unit including KM/H and MPH, set it at the correct one (refer to menu 3)

b. 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. (Exp. If Dashboard shows 60km/h, but HUD shows 57km/h, change the HUD speed default value from 107 to 108 or 109)

## **5.Overspeed Alarm**

The default value for over speed alarm is 150,users can choose to increase/decrease the value. 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 150,it represents HUD will give an alarm when it reaches 150, 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 reflection board protective film is torn,and change the menu setting 2 to default 2, make it at brightest.

## **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. Once finishing setting,long press in the button for 5 seconds to save and exit.

## **Technical Parameters**

- 1.Environment temperature: - 40 0C— +80 0C
  - Barometric press: 86-106KPa
  - Relative humidity:10%-95%
  - Environment voice:<=60dB
- 2.Work voltage:5V~28Vdc(12Vdc/200mA)
- 3.Sleep current:<=30mA
- 4.Product size:fold 135X68X30 mm,full size:135x68x56mm
- 5.Projector image size:90x20mm
- 6.Display way:projector
- 7.Display channel :LED Display
- 8.Reflector transmittance: 96%
9. Virtual image distance: 55 mm
- 10: Left and right angle view: 60°
11. downwards angle view: 15°