

# Car Head Up Display

(Model:M17)

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## Special Reminder:

The working voltage of this product: 11V~18Vdc (12Vdc/200mA) .

Please use the USB cable if car voltage > 24V.

This product is a dual system:Users can freely choose the mode(press the '+' key to select OBD or GPS system) before the OBD icon on screen stop to flash,it will automatically save and enter your last selected option.

## Product Introduction:

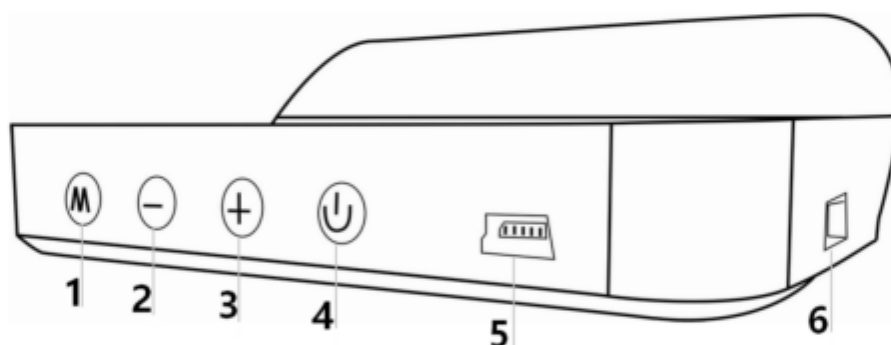
HUD short for Head Up Display,the main function is to reflect the car dashboard information (e.g. speed,RPM,water temperature,voltage,trip distance etc),and keep the driver eyes always on road to avoid the dangerous of lowering down head to read the instrument.

## Product function:



- 1.Light sensor: HUD can automatically adjust the brightness according to the environment
- 2.Speed icon: OBD mode:speed Car ECU data,GPS mode:satellite data like compass
- 3.System icon: short press the '+' key within 5 seconds to choose OBD or GPS system
4. Multi-function area: Speed,water temperature,voltage,mileage,driving time,fuel consumption, altitude,clock,100 kilometers acceleration
5. **a +** =100km acceleration, **ASL**=altitude, **LHK**=fuel consumption, **MIN**=travel time, **TRIP**=travel mileage
6. Water temperature icon, Voltage icon
7. Over-speed alarm icon
8. Driving direction: Driving direction indication:W=West, N=North, S=South, E=East when the vehicle speed >5KM / H
9. Speed display area
10. Speed unit: KM/H=kilometer/hour, MPH=Mile/hour
- 11.Satellite icon: flashing will stop until satellite numbers been got, please move the car to the open road, the GPS light will stay on if satellite signal been founded.

### Button functions:



short press(1 second press)

long press(3 second press)

### 1. Button

#### A.Short Press

(1) OBD system: to switch functions between speed,voltage,water temperature,altitude,fuel consumption,driving time,mileage,clock,100 kilometers acceleration.

(2) GPS system:to switch functions between voltage,altitude,travel time,travel mileage,clock,100km acceleration,number of satellites.

### **B.Long Press**

- (1) To enter into menu settings (Menu 1-14)
- (2) To save your settings and exit

## **2、 Button**

### **A.Short Press**

- (1) Switch the mode OBD or GPS within 5 seconds when the power-on screen flashes
- (2) To switch the RPM icon
- (3) Menu or parameter value - after entering the setting

### **B.Long Press**


- (1) Turn off the buzzer,again to turn on the buzzer

## **3、 Button**

### **A.Short press**

- (1) Switch the mode OBD or GPS within 5 seconds when the power-on screen flashes
- (2) Menu or parameters value +

### **B.Long press**

- (1) Long Press  : To clear engine fault codes(till all of the LED lights is lighting),again to return to your main page

## **4.Power switch:**

Long press to turn off,again to turn on

## **5.Connection 1 and 2:**

You can freely choose one of them

### **System selection**

**Please press '+' or '-' button to switch the mode OBD or GPS within 5 seconds when the OBD icon flashes**

#### **OBD System (For OBD2 car)**

Functions:Vehicle speed,engine RPM,water temperature,voltage,fuel consumption,altitude,clock, travel time,travel distance,number of compass satellites.

#### **GPS System (For all car)**

Functions:Speed,Voltage,Compass,Number of Satellites,Speed Icon,Decorative bar

**When the OBD system is not compatible,please switch to the GPS system and plug with the USB cable**

### **GPS system use**

GPS flashing is in the state of searching for stars. Please move the car to an open road. After the satellite is finding,the GPS light stops flashing and stays on for normal use.

### **Restore setting:**

Unplug the power,long press the 'M' key and don't release it, plug in the power and release the 'M' key after the screen is fully lit.

## Clear the fault codes

- 1.Powering on the connection agreement,
- 2.Long press the '+' key and the HUD screen will light up and clear the fault code,
- 3.Long press the '+' key again to exit.

## Turn off/on the buzzer



Long press and hold the '-' button to turn off the buzzer,again to turn on.








## Display mode switch





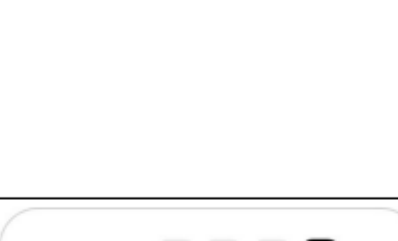
After HUD is turned on,short press the '+' key to switch the modes.(concise/racing/standard mode)

## Menu setting

Please refer to the reflective image on the windshield for operation when setting. Long press and hold the 'M' button to enter into setting menus(1-14). The menu is displayed 1,short press the '+' button to increase the menu options,short press '+' or '-' button to adjust the parameter value, short press 'M' button to return to the menu, long press 'M' button to save and exit.

Menu	Functions	Adjust Range	Explanation	Default value	Setting screen
1	Speed	50-150	Adjust when speed is not correct. For example, the instrument displays 100 KM / H, the device displays 105KM / H, and the parameter value is adjusted to 102	107	
2	Fuel Consumption	50-150	Adjust parameter value when there is error in fuel consumption	100	

3	RPM Alarm	10-75	Alarm after the speed reaches the set default value of 7500 rpm	75	
4	Over-speed Alarm	30-250	Over-speed alarm is 150KM/H, users can freely set this value	150	
5	Water Temperature Alarm	50-150	Water temperature alarm is 120°C, users can freely set this value	120	
6	Voltage alarm	0-15.0	Voltage alarm is 10V, users can freely set this value	10.0	
7	Fatigue Driving Reminder	1.0-8.0	Remind after continuous driving exceeds the default value of 4.0 hours	4.0	
8	Brightness Level	0-11	0-automatic photosensitive mode, 1-11 is manual adjustment	0	
9	Speed Unit	0-1	0=KM/H 1=MPH	0	

10	Temperature Unit	0-1	0= Celsius 1= Fahrenheit	0	
11	Shutdown Voltage	0-15.0	Adjust the voltage to 13.2 volts when unable to shut down	0	
12	Shutdown Time	5-300	Shut down 20 seconds after the fire break, turn off the gas and electricity to 180, that is, shut down after 180 seconds.	20	
13	Time Calibration	00:00-23:00	Time adjustment, choose the time of your area, after searching for satellites, you can directly adjust to the local time. ( dial up to increase time zone time, dial down to decrease time zone time)	HUD displays 8 before the star is found, and displays the GMT+8 (China time)	
14	Factory Reset	0-1	The default value is 0. When set to 1, press 'M' key for 5 seconds to save and exit	0	

### Remind warning:

Please disconnect the HUD if you don't drive for more than a week. Generally speaking car battery's standby time is 1 month, we kindly suggest you to unplug the

**OBD device when the car is not used for a long time due to different vehicle conditions.**

## **OBD FAQ:**

### **1.No function is displayed,no power**

Check whether the OBD cable is tight connection, pull down repeatedly to confirm, please try it on another car if still not workable, analysis if it is a cause from OBD diagnostic interface,if yes,please repair it and connect the device again.

### **2.Only the car voltage displays and be automatic power off after 30 second**

- (1) This product is only available for OBDII and EOBD cars when it is in OBD2 mode
- (2) OBD2 is a car protocol (U.S.A Cars:2003 Other regions:2007)
- (3) This product OBD2 mode does not support OBD I and JOBD
- (4) Switch to the GPS system using the USB cable to display, within 5 seconds of power short press the '+' key to select the GPS system.

### **3.Wrong operation leads to crashes**

- (1)Are there other OBD devices on your car(parking sensor, TPMS, lock lift window, ELM27)
- (2)Had your car been modified and brushed(central navigation,electronic throttle controller,fixed speed cruise,reset the computer system)
- (3)No matter engine start stop,keyless entry or remote start will cause a crash,unplug other OBD devices, and do a factory reset (see the menu settings)

Please switch to GPS system (short press '+' within 5s) which should be connected with a USB cable.

### **4. Inaccurate speed**

- (1) Please check that the unit is correct KM/mile MPH, (speed unit switch please refer to the



settings)

- (2) When the power is turned on, long press the **'M'** key for 5 seconds to enter the menu options, the menu displays 1, and short press the **'M'** key to enter the parameter value 107 and flash. According to the difference between HUD and the your dashboard, adjust the parameter value (Device displays 105KM/H, adjust the parameter value to 102 through the **'-'** key)
- (3) After adjustment, long press the **'M'** key for 5 seconds to exit

## **5. Automatic start-up will auto off when step the brake**

- (1) Enter the menu and adjust the shutdown time. (See the menu settings)
- (2) Setting shutdown delay to 300 seconds, so that it can turn off after 5 minutes

## **6.This device cannot auto shut down**

After the car engine stops, the RPM and speed on the machine can not be turned off, please enter the setting menu and short press the **'+'** key to item 11, set voltage to 13.2V or 13.5V, so that the car can be turn off after 3 minutes. (See the menu settings)

## **7. Shut down and restart**

Indicates that the voltage is higher than the starting voltage 13.2V, enter the setting menu and short press the **'+'** key to item 11, set voltage to 13.6-13.8V (the device can only be turned on after the vehicle voltage is higher than the setting voltage)

## **GPS FAQ:**

### **1.Nothing on the screen,no power**

Check if the USB interface has power or the connection is loose, pull it out and plug it in again several times, or replace the USB cable

### **2.No speed**

The GPS is flashing to search for stars. Please move the car to an open road. After the satellite is found, the GPS light will be on and off, and it can be used normally.

### **3.Can not automatically turn on or turn off repeatedly during driving**

Long press the 'M' key for 5 seconds, enter the setting menu, short press the '+' key to item 11, and adjust the parameter value voltage to 13.0V or 12.8-12.5V

If not resolved, please use the USB cable to plug into the cigarette lighter

### **4. Inaccurate speed**

When the power is turned on, long press the 'M' key for 5 seconds to enter the menu options, the menu displays 1, short press the 'M' key to enter the parameter value 107 and flash, fine-tune the parameter value according to how much difference between device and the dashboard.

(the dashboard displays 100 KM /H, the device displays 105KM/H and adjust the parameter value to 102 through the '-' key), after adjustment, long press the 'M' key for 5 seconds to exit.

### **5.Inaccurate Satellite Time**

Enter the setting menu item and short press the '+' key to item 13, short press '+' key to adjust the local time zone, if the HUD finds the satellite signal, only need to adjust to the local time, after adjustment, press the 'M' key for 2 seconds to save and exit.

### **6.Wrong driving direction**

It will be normal until >5KM/H

### **7.Speed is still on after the car stops**

Underground parking lots, tunnels, and overpasses, when there are obstructions, the signal will be unstable. Satellites will drift. Please drive to an open road. If the number of satellites found is more than 5, it will be normal.

## **8.Check the number of satellites**

Short press the 'M' key to switch vehicle speed, voltage, number of satellites (more than 5 satellites can be displayed normally)

## **9.Cannot automatically turn off after the car shutdown**

When the OBD cable is connected, the HUD will automatically shut down after 3 minutes

If the machine is not turned off after 5 minutes after stopping the flame, adjust the voltage setting parameter value of item 11 to 13.5V ( (See the menu settings)

Or directly plug into the cigarette lighter with a USB cable