# Product User Manual

GPS Speedometer




FC CE RoHS Made In China

X90-GPS

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## INTRODUCTION TO THE MANUAL

copyright! Without the written consent of the company, no company or individual may copy or backup this manual in any form (electronic, mechanical, photocopying, recording, or other). This manual is designed specifically for the use of our company's products, and we do not assume any responsibility for any consequences arising from its use to guide the operation of other equipment.

The company and its branches shall not be liable for any costs or expenses incurred due to the misuse or alteration of the device by the user or a third party, or the failure to follow the company's instructions resulting in damage or loss of the device.

*Formal statement: The other product names mentioned in this manual are for illustrative purposes only and are intended to assist users in better understanding and operating this device. Please note that the content of this manual is for reference only. For specific usage methods and precautions, please refer to the official manual of each product or consult customer service.

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***Special reminder: The working voltage of this product is 11.5V-30V, and it is prohibited to use voltage higher than 30V for power supply.**

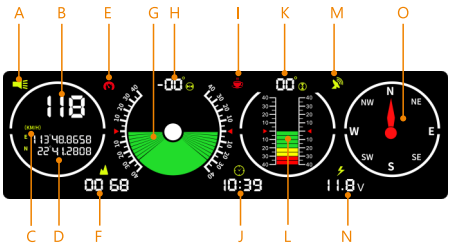
## PRODUCT INTRODUCTION

This product applies the concept of combining the head-up display function of HUD and the inclinometer of the car, which greatly improves the safety protection level of the product to the user and escorts the owner. Through the GPS/ Beidou dual-channel module to obtain data to the satellite, signal stability and other advantages, general in the market all models, is favored by a large number of users.





## display function




- A - Sound icon (short left button switch sound)
- B - Speed indication
- C - Speed unit display
- D - Longitude and latitude coordinates display
- E - Overspeed alarm icon
- F - Altitude display
- G - Left and right roll Angle scale display, using free rotation, left and right scale is ±40°
- H - Left and right roll Angle scale digital display
- I - Tired driving alarm icon
- J - Time display
- K - Front and rear pitch Angle scale value display
- L - Front and rear pitch Angle scale display, using free rotation, front and rear scale is ±40°
- M - Satellite GPS/ Beidou icon display
- N - Battery voltage display
- O - Compass display

## PRODUCT ACCESSORIES




Host machine



Cigarette wire(1.5 m)



Dark line (1.5m)




Product User Manual



Non-slip mat

### Product function

- Speed indication
- altitude
- Overspeed alarm setting
- Longitude and latitude coordinates
- Compass display
- Left and right roll Angle
- Front and rear pitch Angle
- Fatigue driving Settings
- Battery voltage display
- Time display

**Restore factory Settings:** After power off, long hold down the "M left button" and insert thepower cable at the same time. After hearing the "drip" sound, the factory Settings are restored

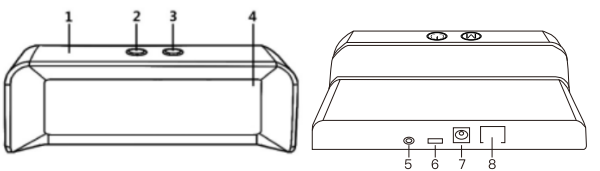




### Features:

- Combined with GPS head-up display and on-board inclinometer.
- Horizontal inclinometer digital display plus scale display.
- Suitable for American cars, European cars, Asian cars, new energy.
- It is equipped with a high-precision dual-channel satellite GPS and a Beidou signal module.
- Fully automatic monitoring of vehicle driving conditions.
- The brightness change of the display screen is automatically recognized by photosensitive induction.
- Free rotation, high sensitivity and stability.
- Color HD LCD display, clear resolution.
- Carbon fiber appearance fuselage design.
- With the car start, parking automatic sleep function.

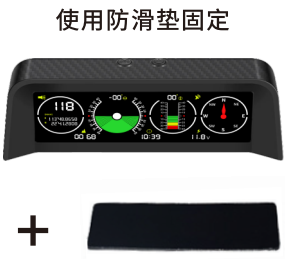
### Complete machine structure




1-ABS+PC high temperature resistant material
2- Left key "M" (long press to enter Settings)
3- Right-click (press one button to reset)
4- Display screen.
5- Light source induction intelligent recognition device brightness
6-USB upgrade port
7-DC12V power socket.
8- Reserve ports.

## PRODUCT INSTALLATION METHOD






### Installation procedure

● Park the car on the horizontal road, paste the anti-slip pad on the bottom of the product, and fix it in the center console of the car for easy observation.

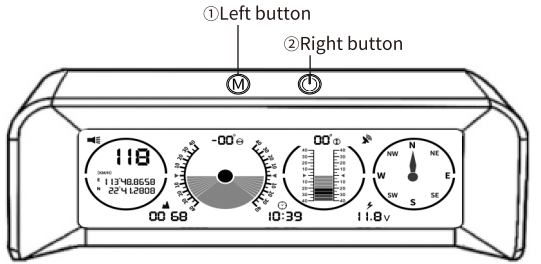
● After the installation is complete, press the right button to calibrate and reset horizontally.

● Connect the power supply, wait to receive GPS satellite signals, until the data shows normal, you can drive.





## KEY ANALYSIS




Note: 1*M key (left), 2* right button

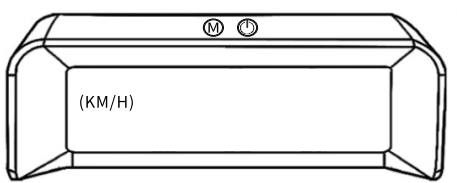
● Short press the left button to switch the sound, long press the "M key for 3 seconds" to enter the setting mode.

● Short-press the right button to correct the horizontal reset. Press and hold Right button for 5 seconds to switch on and off the device manually.

● The Settings mode is adjusted by "left and right keys".

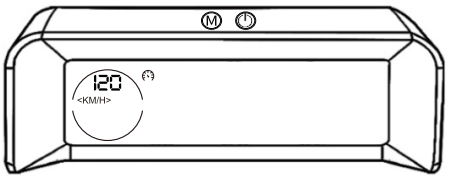
### Function Settings (Hold down the M key for 3 seconds to go to the next setting screen.) Hold down the right button to save the Settings

1. (KM/H-MPH) Unit setting
Long press "M key for 3 seconds "to enter the unit setting interface, and adjust it by " left and right keys " (long press the right button to save)KMH is the kilometer and MPH is the mile. (Factory default: KM/H) (Figure 1 below)



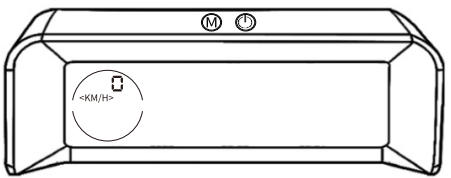

(Figure 1)

2. Overspeed alarm setting
Press and hold the "M "button for 3 seconds to enter the overspeed alarm setting, adjust it by the " left and right " button (press and hold the right button to save and exit)
(Factory default: 120KM/H) (Figure 2 below)



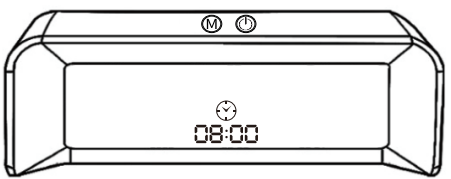

(Figure 2)

3. Speed compensation Settings
Press and hold the "M key for 3 seconds "for the third time to enter the speed compensation setting, and adjust it by " left and right keys " (long press the right button to save and exit)
(Factory default: 0)(Figure 3 below)




(Figure 3)

4. Time compensation Settings
Long press "M key for 3 seconds "for the fourth time to enter the time setting interface, and adjust it by " left and right keys " (long press the right button to save and exit)
(No need to set: automatic correction time) (Figure 4 below)

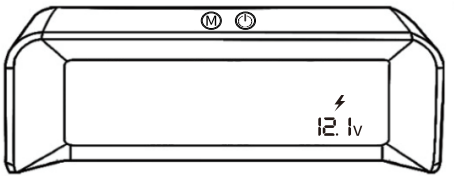



(Figure 4)



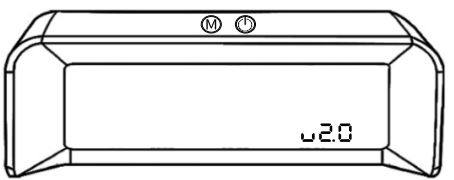


5. Voltage compensation Settings
Long press "M key 3S" for the fifth time to enter the voltage fine-tuning compensation setting, and adjust it by "left and right keys" (long press the right button to save)
(Compensation range: ±3V) (Figure 5 below)




(Figure 5)

6. Version number
For the sixth time, long press "M key for 3 seconds "to enter the version number view, and view is finished (long press the right button to save and exit)
(Figure 6 below)




(Figure 6)

## Note the meaning of the matter

- The manual is a necessary part of this product, please read it carefully.
- Keep this manual safe and ready to review when needed.
- Follow this instruction manual and use only the accessories recommended by the manufacturer.
- This machine should only be used for the purpose specified in the design, do not use it for other purposes.
- Non-technical personnel shall not modify, disassemble or repair this product without permission, and bear all the losses caused by it.
- Do not stab, bend, twist, stretch the wire, and do not place the wire at high temperature, do not stress, decompose the product.
- Do not place nails, needles and other small objects in the power port to avoid damage to the device.
- This product is used with electricity, do not let children as toys.
- Do not immerse this product in water or other liquids.
- Please use the power supply and power cord as standard as possible.
- Do not bake this product under strong light or high temperature when not in use. The manufacturer shall not be liable for any damage caused by improper use or diversion.



GPS SPEEDOMETER: X90-GPS

## PRODUCT PARAMETERS

- Power supply: DC 11.5V ~ 30V
- Pitch Angle: -40°~ +40°
- Clock error: < 1minute
- Voltage measurement accuracy: 0.5V
- GPS cold start time: 32s (average)
- Product size: 170*70*60 (mm)
- Operating temperature: -20°C ~ +70°C
- Roll Angle: -40°~ +40°
- Voltage measurement range: DC 11.5V ~ 30V
- Speed accuracy: < 0.36Km/h
- GPS hot start time: 10s (average)
- Weight: 203g

## AFTER-SALE SERVICE

### After-sales warranty

- The whole machine enjoys a 1-year warranty period from the date of customer signature, and the attachments have a 1-year warranty period.

### The following conditions are not covered by warranty

- Products purchased through informal channels;
- Damage caused by not using and maintaining according to the requirements of the product specification;