Product User Manual

GPS Speedometer: X100



FC CE RoHS Made In China

X100

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Product Brief

The X100 Vehicle HUD is an intelligent device engineered to boost driving safety and convenience.

· Core Module: Equipped with a GPS positioning system for stable signals and precise location data.

· Display: HD color LCD screen, clear info, no head-down operation

· Battery: 1000mAh large capacity, 22h working/150d sleep standby, solar auxiliary charging

· Main Functions: Real-time speed/time/date/altitude/total mileage display; overspeed alarm, fatigue driving reminder

Important Note: This product charges at 5V; do not use a power supply exceeding 5V.

Accessories



Main Unit



USB Charging Cable (1.5m)



Product Features

- **High-precision Positioning:** High-precision GPS satellite module
- **Intelligent Brightness Adjustment:** Built-in light sensor for automatic ambient light-based brightness adjustment
- **Plug and Play:** Auto power-on with ignition, auto sleep after parking
- **Wide Compatibility:** Fits all market vehicle models
- **Safety Protection:** Reinforced safety design, all-round driving protection
- **Stylish Appearance:** Carbon fiber texture, ABS+PC shell

Installation Method



Fix with double-sided pad



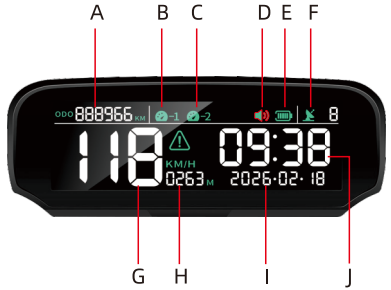


Installation Steps

1.Select Position: Place the device on the car center console at an unobstructed, well-lit spot to ensure optimal GPS signal reception and solar charging performance.

2.Secure Device: Lay the non-slip mat at the selected position, then place the main unit steadily on the mat.

Display Function Introduction



A- Total Driving Distance

B- Overspeed Alarm 1 *

C- Overspeed Alarm 2 *

D- Sound On/Off

E- Battery Level Indicator

F- Satellite Signal Count

G- GPS Vehicle Speed

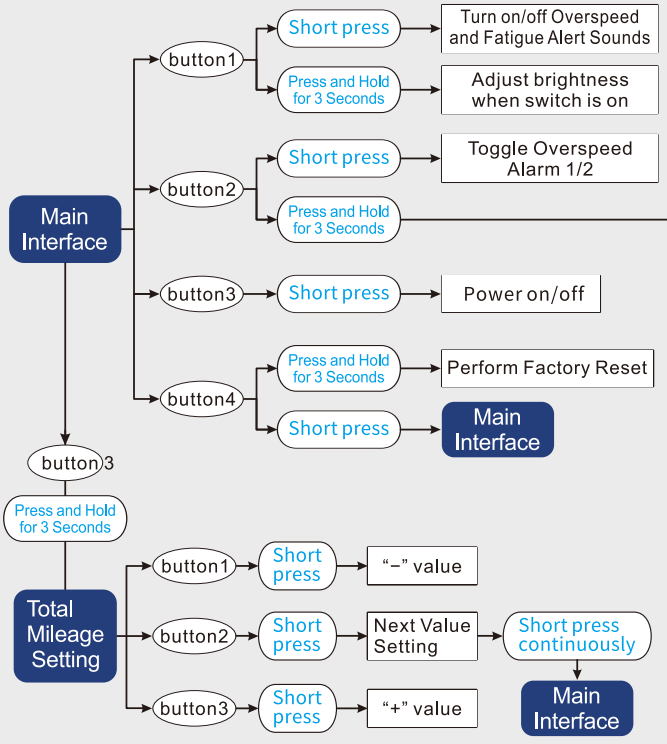
H- Altitude

I- Date Display

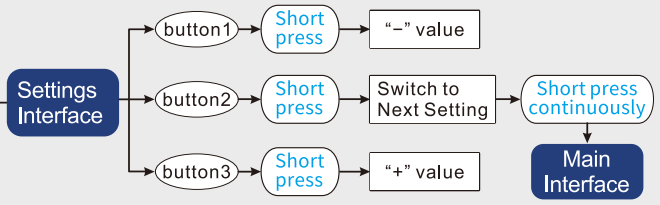
J- Time Display

* The overspeed alarm can store two values (e.g., for highway and regular roads), enabling convenient switching of alarm thresholds at any time.

Detailed button Functions



Detailed button Functions



4 function buttons

* The device will **NOT** wake up automatically after manual shutdown and must be powered on manually.



Setting Instructions

Main Interface

button 2

Press and Hold for 3 Seconds

1. Minute Compensation Setting

① Long press button 2 for 3s on main interface to enter Minute Compensation Setting
② Short press button 1/3 to adjust value (30-45min adjustable)
③ Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*



button 2

short press

2. Clock Compensation Setting

① Short press button 1 to decrease, button 3 to increase (0-23h adjustable)
② Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*



button 2

short press

3. Speed Compensation Setting

① Short press button 1 to decrease, button 3 to increase (0-20km adjustable)
② Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*



Setting Instructions

Previous Setting Interface

button 2

short press

4. Fatigue Driving Alert Setting

① Short press button 1 to decrease, button 3 to increase (0-11h adjustable)
② Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*

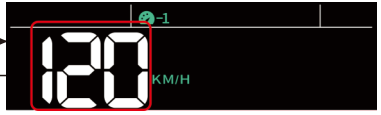


button 2

short press

5. Overspeed Alarm 1

① Short press button 1 to decrease, button 3 to increase
② Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*



button 2

short press

6. Overspeed Alarm 2

① Short press button 1 to decrease, button 3 to increase
② Short-press button 2 to save and enter the next setting
** Long-press button 2 for 3s to save and return to main interface.*



Setting Instructions

Previous Setting Interface

button 2

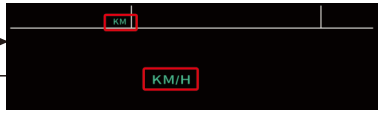
short press

7. Unit Switch Setting

① Short press button 1 or 3 to switch units

② Short-press button 2 to save and enter the next setting

** Long-press button 2 for 3s to save and return to main interface.*



button 2

short press

8. Screen Brightness Adjustment Switch Setting

① Short press button 1 or 3 to toggle the switch

② Short-press button 2 to save and return to main interface.



When "on" is displayed on the screen, long-pressing Button 1 on the main interface enables manual adjustment of the screen brightness.



When "off" is displayed on the screen, long-pressing Button 1 on the main interface has no effect.

Total Mileage Setting

1.Long-press button 3 for 3 seconds on main interface to enter total mileage setting.

2.Short-press button 1 to decrease the value; short-press button 3 to increase the value.

3.Short-press button 2 to proceed to the next value setting.

4.Long press button 2 to save and return to the main interface

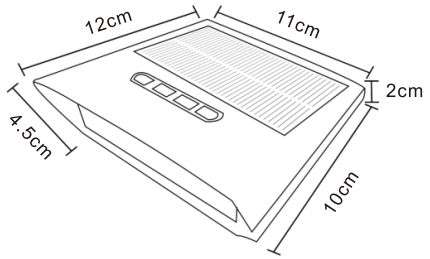


Restore factory settings

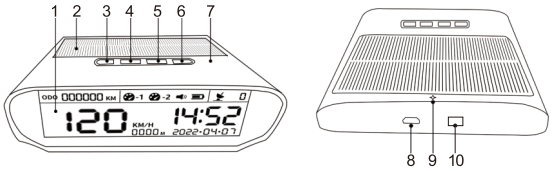
1.On main interface, long-press button 4 for 3 seconds to restore factory settings (Total mileage requires manual setup).

2.Short-press button 4 to return to main interface.

Product Parameters



Overall Machine Structure



1. High-Definition (HD) LCD Screen
2. Solar Charging Panel
3. Function button "1"
4. Function button "2"
5. Function button "3"
6. Function button "4"
7. ABS & Carbon Fiber Shell
8. Charging Port
9. Light Sensor
   (Auto-adjusts Display Brightness)
10. Reserved spare hole

Product Parameters

Item	Specification
Power Supply	5V
Built-in Battery	1000mAh
Solar Input Power	29mA ～ 34mA
Operating Temperature	-20°C ～ +70°C
GPS Cold Start Time	60 seconds(±10)
GPS Hot Start Time	5 seconds(±2)
Operating Power Consumption	56mA
Full-load Power Consumption	75mA
Active Battery Life	Approx. 12 hours
Sleep Battery Life	Approx. 150 days
Shell Material	ABS+PC
Weight	175g
Dimensions	121×110×45×20 mm

Solar Charging Instructions

USB-C main charging, solar-assisted. 12-hour internal battery life; solar adds 1–4 extra hours depending on sunlight intensity.

Runtime Comparison

USB Power	Battery Only	Battery + Solar
Unlimited runtime when plugged in	12 hours	13 – 16 hours

After-sales Service

- **Warranty Period:** The entire unit and accessories are covered by a 1-year warranty from the date of customer receipt.

- **Warranty Service:** Free repair or replacement based on the fault condition. All replaced parts are brand new.

- **Shipping Policy:**

  ① Within 90 days of receipt, if a fault occurs and the customer provides video/ picture proof, we will cover shipping and provide free replacement parts.

  ② After 90 days, the customer covers shipping, and we provide free replacement parts.

- **Non-Warranty Conditions:**

  ① Products purchased through unauthorized channels.

  ② Damage caused by failure to use or maintain the product as per the manual.