

All rights reserved! Without the written approval of Shenzhen Vjoycar Electronics Limited, no company or individual may copy or back up this manual in any form (electronic, mechanical, photocopying, recording, or other forms). This manual is specially designed for the products of VJOYCAR and our company will not be liable to the consequences caused by using this manual as the operation instructions for other equipments.

If the device is damaged or lost owing to accident caused by the user or a third party, abuse, misuse, unauthorized modification or random repair of the device, or failure to follow the operation and maintenance requirements of Vjoycar, our company and its branches will not be liable to any cost caused by these conditions.

Formal statement: The other product names mentioned in this manual are used to explain how to use this device, and the registered trademark still belongs to the original mark owner.

## Trademark

Vjoycar Electronics Ltd. has registered its trademark in many different countries, the trademark is vjoycar. Any other trademark, service logo, domain name, icon or company name mentioned in this manual belongs to Vjoycar and its affiliated companies. In those countries where the trademark, service logo, domain name, icon and company name of Vjoycar has not been registered yet, we declare that they belong to Vjoycar. Any company or person shall not use the trademark, service logo, domain name, icon or company name of Vjoycar before getting the written approval of Vjoycar. Please visit our website [www.vjoychina.com](http://www.vjoychina.com) or contact us at [sales@vjoycar.com](mailto:sales@vjoycar.com).

## Product Introduction

This product extends the concept of the combination of HUD vehicle head display function and vehicle slope meter, intelligent navigation instrument obtains data from the satellite through GPS/Beidou dual-channel module. The dual-channel module has the advantages of strong search, stable signal, etc. The GPS intelligent navigation instrument is generally used for all vehicles in the market, which greatly improves the safety escort level of the product to the user, and is a necessary artifact for off-road enthusiasts.

## Functions and Features

### Main Functions

- Longitudinal and Latitude Measurement Display;
- Vehicle roll angle display;
- The vehicle has an elevation display;
- Satellite Vehicle Speed Display;
- Altitude display;
- Compass display;
- Fatigue driving alarm (continuous driving for 4 hours will report to the police).
- Satellite Time Display.
- Roll angle danger alarm;
- Elevation Angle Danger Alarm;
- Overspeed alarm;

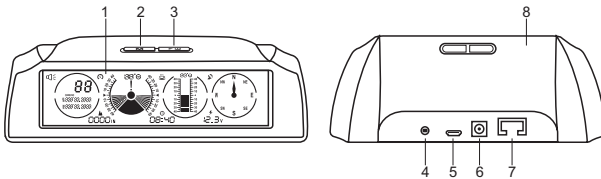
### Main Features

- It is suitable for domestic, Asian, American and European car systems.
- A high-precision dual-channel satellite GPS signal module is carried.
- Fully automatic monitoring of vehicle driving conditions.
- The brightness of the screen is adjusted by the intensity of light induced by the light source sensor.
- Free rotation has a high sensitivity.
- High resolution LCD display is adopted.
- On-board start, parking automatic sleep function.
- Carbon fiber exterior fuselage design is adopted.

## Specifications

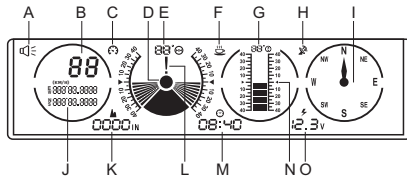
- Power: DC10V~30V;
- Working Temperature: -40°C ~ +80°C;
- Depression& Elevation angle: -40°~ +40°;
- Roll Angle: -40°~ +40°;
- Clock Error Value: <1min;
- GPS Data Refresh Time: 1s;
- Wireless Transmission Frequency: 2.4GHz;
- Voltage Measurement Range: DC 5V ~ 30V;
- Voltage measurement accuracy: 0.5V;
- Speed Accuracy: <0.36Km/h;
- GPS Cold Boot Time: 32s;
- GPS Hot Boot Time: 1s;
- Product Size:70\*59\*59mm;
- Weight: 203g

## Structure



1-Display Interface; 2-" M "function key;3-Switch key;4-Photoelectric sensor ; 5-Upgrade dedicated USB interface; 6-DC12V Power Supply Interface; 7-RG45 power supply ; 8- Carbon fiber process shell.

## Interface and Function



- A-Voice icon (on/off).
- B-Satellite Vehicle Speed Display Area, which shows the current vehicle speed when the vehicle is running.
- C-Overspeed alert icon.
- D-Roll angle indication area, real-time measurement of vehicle roll angle, using free rotation, left and right angles of 40 degrees.
- E-Roll angle displayed in numbers.
- F-Driver fatigue alert icon.
- G-Pitch angle displayed in numbers.
- H-Indicates an icon for a satellite signal. When there is no satellite signal, the icon will flicker continuously, indicating that the icon is long when there is a signal in search.
- I-Displays the area for the compass and updates the orientation position in real time.
- J-Is the longitude and latitude display area, which will update the coordinate position in real time.
- K-Is an elevation display area, which updates the information of elevation in real time.
- L-Roll angle alarm icon, when the car roll angle reaches 30 degrees, this icon will light up and give an alarm sound.
- M-GPS satellite time display area will update the clock information in real time.
- N-elevation indicator area, real-time measurement of vehicle elevation angle, using free rotation, front and rear angles of 40 degrees.
- O-The display area of automobile battery voltage shows the current battery voltage value.

## Interface and Function

### 1." M "function key.

\* short press the "M" function key to switch the British (MPH) and metric (KM/H) mode (note: the elevation unit is feet in MPH mode and meter in KM/H mode) (explanation: the MPH icon on the display screen lights up on the British mode, and the MPH icon extinguishes on the metric mode).

---

\* long press "M" function key 3s, roll angle and attachment angle reset balance. \* long press the "M" function key 5S to turn on / off sound.

## **2. Switch key**

\* short press key, can be turned on / off manually.

(note: after manual shutdown, it will not boot automatically while driving. You must choose to boot manually.)

## **Installation steps**

- Park the car on the horizontal road, paste the back glue on the product, fix it anywhere convenient to observe inside the car, and adjust it manually to the level.
- Connect the power supply, wait to receive the satellite GPS signal, until the data show normal, before driving

## **After-sale Service**

### **Warranty**

- We offer repair service or replacement according to the specific type of the fault.
- We guarantee that all the parts, accessories and device for replacement are brand new.
- Vjoycar will bear the shipping cost and offer the corresponding accessories for replacement without charge if the customer sends us video and pictures of the product that fails within 90days after receipt.

If the product has been received for more than 90 days, we will provide the spare parts for replacement without charge but the buyer is supposed to bear the other relevant costs.

### **The warranty is void if the product is**

- Bought through non-official channel;
- Damaged because of improper use or maintenance, not following the user manual;

---

### **Declaration:**

Please note that Vjoycar reserves the right to change product designs and specifications without notice. Images or descriptions in this manual are for illustration purposes only. Actual products may vary in terms of appearance and color. We are always trying to offer an accurate user manual, but we can hardly guarantee that there is absolutely no difference. The right of the final interpretation of the products belongs to Vjoycar and we will not be liable to any loss or damage caused by misunderstanding.