

## VJOYCAR B0DN6CDVDJ

# Universal GPS Speedometer HUD Instruction Manual

Model: B0DN6CDVDJ | Brand: VJOYCAR

### INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VJOYCAR Universal GPS Speedometer HUD. This device is designed to display real-time driving speed, time, and direction using GPS satellite signals, offering a universal solution for various vehicles including cars, trucks, SUVs, motorcycles, boats, and golf carts. It features a clear digital display with multiple color options and essential alerts for over-speeding.

### WHAT'S IN THE BOX

- GPS Speedometer Display Unit
- USB to Type-C Power Cable (2m)
- Anti-slip Mat
- User Manual

# Packing List



【Host】



【Gift Box】



【2m USB Cable】



【Non-slip Mat】

## Product Specifications & Warranty

### Technical Specifications

1. GPS positioning time: 10 to 30 seconds in the open air for the first time to search for satellites (Bad weather will affect the positioning time). There is no GPS signals indoors.
2. Speed deviation: Since the speed data is corrected from GPS satellites, slight error is reasonable. GPS speedometer has the same working theory as radar speedometer, so it is more accurate to detect whether the speed is over-speed.
3. Input voltage: DC 5V  
Input current: DC 50-120mA. Power bank for power supply is supported.
4. Working temperature: -30 to 70 degrees
5. Item size: 80\*54\*32mm

【User Manual】

Image: Packaging list showing the host unit, gift box, 2m USB cable, non-slip mat, and user manual.

## KEY FEATURES

- **Universal GPS Speedometer:** Collects speed data directly from GPS satellites, ensuring compatibility with all vehicle types without connection to the car's engine or ECU.
- **HUD Display Functionality:** Displays real-time driving speed when moving and local time when stationary. Designed to stand on the dashboard.
- **Switchable Speed Units:** Easily switch between Kilometers per Hour (KM/H) and Miles per Hour (MPH) with a single button press.
- **Over Speed Alert:** Customizable alert setting (0-120). The display will flash when the set speed limit is exceeded. Setting to 0 disables the alert.
- **7-Color Display Options:** Choose from 7 different display colors to personalize your device.
- **Automatic Power On/Off:** The device automatically powers on when your car's ACC (Accessory) power is detected and turns off when the ACC is off. No internal battery.

- **Plug and Play Installation:** Simple setup using the provided Type-C USB cable for power supply from a car USB port or adapter. No professional installation required.
- **GPS Compass:** Accurately displays the driving direction (N-North, S-South, W-West, E-East).

## SETUP

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1. **Placement:** Place the GPS Speedometer HUD on your vehicle's dashboard. Use the provided anti-slip mat to secure the device and prevent movement during driving. Ensure the device has a clear view of the sky for optimal GPS signal reception.
2. **Power Connection:** Connect the Type-C end of the provided USB cable to the Type-C power connector on the GPS Speedometer.



Image: Plug and Play connection with USB and Type-C cable.

3. **Power Source:** Connect the USB end of the cable to a car USB port or a car adapter (not included) to supply power to the device.
4. **Initial GPS Signal Acquisition:** Upon first use, or after a long period of inactivity, the device may take 5-10 seconds to acquire a GPS signal. Ensure the vehicle is in an open area for faster signal lock. The device will display

"---" or similar while searching for a signal.

## OPERATING INSTRUCTIONS

### Basic Display Modes

- **Driving Speed Display:** When the vehicle is moving, the device will automatically display the real-time driving speed in the selected unit (MPH or KM/H).
- **Local Time Display:** When the vehicle is stationary, the device will automatically display the local time.
- **Driving Direction (Compass):** The device displays the car's driving direction (N, S, E, W) alongside the speed or time.



Image: Display modes for clock, speed, and compass.

### Switching Speed Units (KM/H & MPH)

To switch between Kilometers per Hour (KM/H) and Miles per Hour (MPH):

- Press the **left button** (Setting Button ①) once. The display will toggle between KM/H and MPH.



Image: KM/H & MPH Switch Freely.

### Changing Display Colors

The device offers 7 different display colors:

- Press the **right button** (Setting Button ②) once to cycle through the 7 available colors.



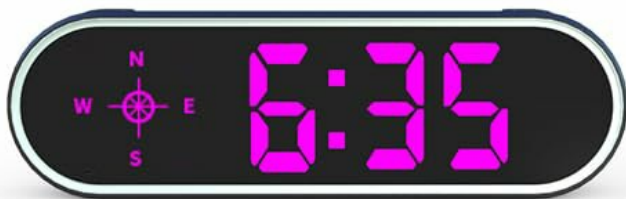


Image: Multiple Colors & Switch Freely, showing 7 color options.

## Setting Over Speed Alert

The default over speed alert is set to 120 KM/H or MPH. You can adjust this setting:

- To enter the setting mode for over speed alert, press and hold the **left button** (Setting Button ①) for approximately 3 seconds. The current alert value will flash.
- Press the **left button** repeatedly to increase the alert value.
- Press the **right button** (Setting Button ②) repeatedly to decrease the alert value.
- To save the setting and exit, press and hold the **left button** again for 3 seconds, or wait for 5 seconds for it to automatically save and exit.
- Setting the value to **0** will turn off the over-speed alert function.

When the set speed limit is exceeded, the digital display will flash to alert the driver.

# Overspeed Alert

**Digitals Flash, Means You Have Exceeded the Speed Limit!**



Image: Overspeed Alert indication.

## Automatic Switch On/Off

The device is designed for automatic operation:

- It will automatically turn on when your car's ACC (Accessory) power is detected.
- It will automatically turn off when your car's ACC power is off.

**Note:** This device does not contain an internal battery and relies solely on external power from the vehicle's USB port or adapter.

# Automatic Switch on/off

Automatically Turn on and Off With The  
Car Starting and Stopping



Image: Automatic Switch on/off with car starting and stopping.

## COMPATIBILITY

The VJOYCAR Universal GPS Speedometer is 100% universal and compatible with all vehicles that have a USB power source. This includes, but is not limited to:

- Cars (Gasoline, Hybrid, EV)
- Trucks / Pickups
- SUVs
- Motorcycles
- Buses
- Golf Carts
- Boats
- Scooters



- Trains

SPECIFICATIONS

Attribute	Value
Brand	VJOYCAR
Model Number	B0DN6CDVDJ
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions (L x W x H)	4.57 x 0.79 x 0.98 inches (118 x 20 x 25 mm approx.)
Item Weight	3 ounces (85 Grams)
Power Input	DC 5V (via Type-C USB)
Working Temperature	-30 to 70 degrees Celsius
UPC	610521672824



Image: Product dimensions and button layout.

## MAINTENANCE

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Ensure the Type-C port and USB cable are free from dust and debris to maintain a reliable connection.
- Store the device in a cool, dry place when not in use for extended periods.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged durations, as this may affect its performance and lifespan.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	No power supply; loose cable connection; car ACC is off.	Ensure the USB cable is securely connected to both the device and a powered USB port. Verify the car's ACC is on. Try a different USB port or adapter.
No speed display / Display shows "---".	No GPS signal; weak GPS signal.	Ensure the vehicle is in an open area with a clear view of the sky. Wait 5-10 seconds for GPS signal acquisition. Avoid placing the device under metallic objects that might block signals.
Speed reading is inaccurate.	Temporary GPS signal fluctuation; environmental interference.	GPS speedometers are generally accurate. Minor discrepancies (e.g., 1-2 MPH) can occur due to signal conditions. Ensure the device has a stable GPS lock.
Over-speed alert not working.	Alert setting is off (set to 0).	Refer to the "Setting Over Speed Alert" section to ensure the alert value is set above 0.
Display color does not change.	Incorrect button pressed.	Ensure you are pressing the <b>right button</b> (Setting Button ②) to cycle through colors.

## WARRANTY AND SUPPORT

VJOYCARTM provides a warranty for this product. If you encounter any questions or issues during usage, please do not hesitate to contact VJOYCARTM customer support. Refer to the contact information provided in the original product packaging or on the VJOYCARTM official website for assistance.

For further support, you may visit the VJOYCARTM store on Amazon: [VJOYCARTM Store](#)

## Related Documents



## GSM/GPRS/GPS Tracker Quick Installation Guide

A quick installation guide for the GSM/GPRS/GPS Tracker, a device for car, motorcycle, and scooter tracking. Includes features, specifications, installation steps, device light descriptions, wiring connections, and SMS commands.



## VJOYCAR X6 Wireless Car Alarm System: Installation and User Guide

Detailed installation and usage guide for the VJOYCAR X6 Wireless Car Alarm System. Covers package contents, step-by-step installation of siren, antenna, and air sensor, and comprehensive instructions for operating the one-way and two-way remote controls, including trigger settings and sensitivity adjustments.



## T10 User Guide: Features, Specifications, and Operation

Comprehensive user guide for the T10 GPS tracking device. Learn about its features, hardware specifications, installation, SMS commands for tracking, remote listening, alerts, and power management.



## GPS Vehicle Tracker User Guide - VJOYCAR

Comprehensive user guide for the VJOYCAR GPS Vehicle Tracker (Version V2.1), covering installation, setup, operation, alarm management, and troubleshooting.