SinoTrack ST-HUD-G3

SinoTrack Digital GPS Speedometer HUD User Manual

MODEL: ST-HUD-G3

Brand: SinoTrack

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SinoTrack Digital GPS Speedometer Universal Heads Up Display (HUD). This device is designed to enhance your driving experience by providing essential vehicle data directly in your line of sight, including speed, time, mileage, and direction, using GPS satellite signals.

Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

- **Power Supply:** The working voltage of this speedometer is 5V. It is strictly forbidden to use a voltage higher than 5V as the power supply, as this can damage the device.
- **Charging:** Do not use high voltage or fast charging adapters to power the product. This can negatively affect the product's lifespan and normal operation.
- **Placement:** Ensure the device is securely placed on your dashboard and does not obstruct your view of the road or any critical vehicle controls.
- **Temperature:** Avoid exposing the device to extreme temperatures for prolonged periods, especially direct sunlight in hot climates, as this may cause screen fading or dullness over time.
- **Driving Safety:** Always prioritize driving safety. Do not attempt to adjust settings or interact with the device in a way that distracts you from driving.

3. WHAT'S IN THE BOX

Upon opening the package, please verify that all the following items are included:

- SinoTrack G3-Head-up display (1 unit)
- Micro USB Cable (1 unit)
- Non-slip Mat (2 units)
- English User Manual (1 unit)

Image: Package contents of the SinoTrack Digital GPS Speedometer HUD.

4. SETUP AND INSTALLATION

The SinoTrack HUD offers non-destructive, plug-and-play installation.

1. **Placement:** Choose a suitable flat surface on your dashboard where the HUD will not obstruct your view or interfere with airbags. The non-slip mat can be used to secure the device.

2. **Power Connection:** Plug the Micro USB cable into the Micro USB port on the back of the HUD unit.

3. **Vehicle Power:** Connect the other end of the USB cable to a USB power source in your vehicle, such as a cigarette lighter adapter with a USB port or a built-in USB port.

4. **Cable Management:** Route the USB cable neatly to avoid entanglement and ensure it does not

interfere with driving. You can insert the wire into the A-pillar seal for a cleaner look.

5. **Power On:** The device will automatically power on when it receives power from the vehicle and power off when the vehicle is turned off (if the USB port is ignition-switched).

6. **GPS Signal Acquisition:** Upon first use, the device may take a few minutes to acquire GPS satellite signals. Ensure the device has a clear view of the sky for optimal signal reception.

Product accessories

G3-Head-up display   Micro USB   Non-slip mat   English manual
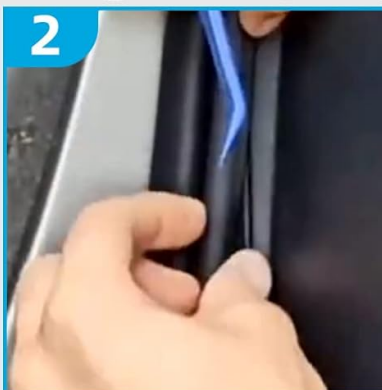
Non-destructive installation, Plug and play

1 Plug the USB cable into the cigarette lighter interface
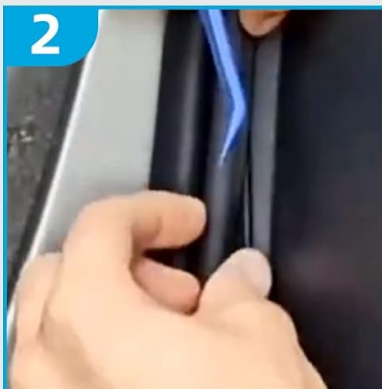
2 The wire is inserted into the A-pillar seal

3 Connect the USB side to the UHD put in the right place

Image: Non-destructive installation guide.

5. OPERATING INSTRUCTIONS

5.1. Display Functions

The 5.5-inch LCD display provides various data points simultaneously:

- **Speed:** Displays current vehicle speed in MPH or KM/H.
- **Compass:** Indicates driving direction (N, S, E, W, NE, NW, SE, SW).
- **Time:** Current time of day.
- **Driving Time:** Duration of the current trip.

- **Driving Distance (Trip Meter):** Distance covered during the current trip. Note: This resets when power is turned off and does not accumulate total distance.
- **Number of Satellites:** Indicates the strength and number of GPS satellites connected.
- **Altitude:** Current elevation.
- **Acceleration Time:** Time taken to accelerate to 100 km/h (approx. 62 MPH).

Image: G3 Display Functions.

5.2. One-Key Operation

The device features a single multi-directional wheel button for easy navigation and settings adjustment:

- **Short Press (Push In):** Switches between different display modes (e.g., Speed+Time+Compass, Speed+Driving Time, Speed+Driving Distance, Simple Speed).
- **Long Press (Push In for 2 seconds):** Enters the setting menu.
- **Press Left:** Switches the display on the left side (e.g., speed unit MPH/KM/H, driving direction angle).
- **Press Right:** Switches the display on the right side (e.g., time, number of satellites, driving distance, driving time).
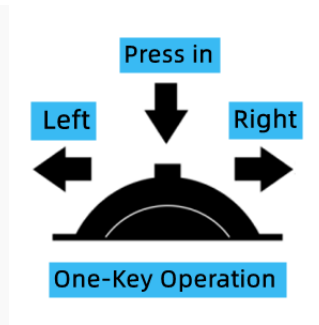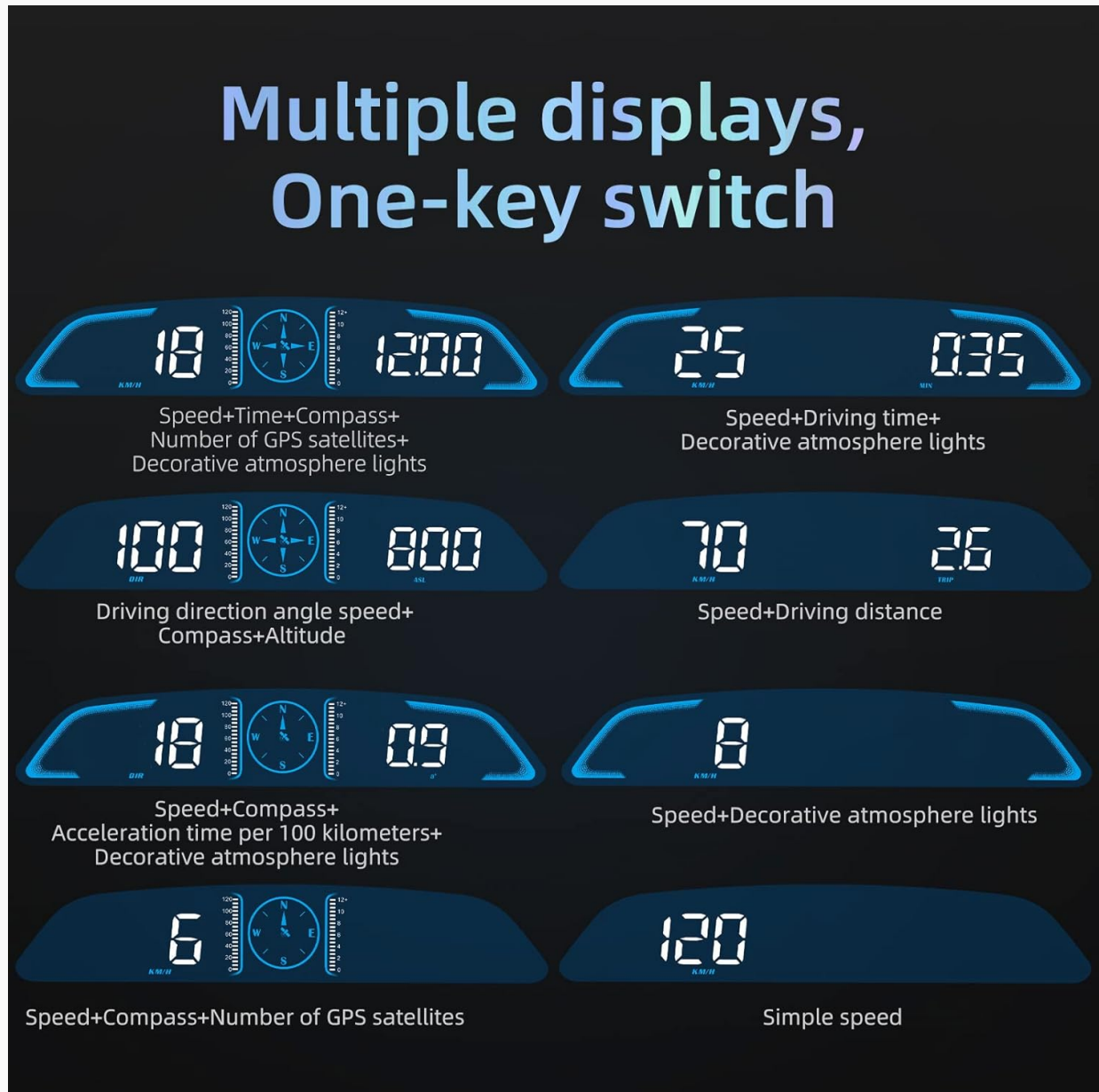
Image: One-Key Operation.

Image: Multiple Display Modes.

5.3. Brightness Adjustment

The device features an automatic light-sensitive screen that adjusts brightness based on external light. For manual adjustment or to achieve highest brightness:

1. Long press the wheel button to enter the setting menu.
2. Short press the wheel button to navigate to the 4th setting option.
3. Adjust the value to "11" to achieve the highest brightness.
4. Short press once to confirm the setting.

Note: The brightness sensor is located in a small hole on the back of the display. If this hole is blocked, the brightness may be reduced.

Image: Adaptive Sensitivity.

5.4. Driving Safety Alerts

The HUD includes important safety reminders:

- **Overspeed Alert:** When your speed exceeds a preset value, the device will emit a ticking sound to remind you to reduce speed.
- **Fatigue Driving Alert:** If driving time exceeds 4 hours, the device will remind you to take a short break.

Image: Two Alarm Functions.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display and the device body. Avoid using abrasive cleaners or solvents.
- **Storage:** If storing the device for an extended period, disconnect it from power and keep it in a cool, dry place away from direct sunlight.
- **Cable Care:** Handle the USB cable carefully to prevent damage. Do not bend or crimp the cable excessively.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power from USB port; faulty cable; incorrect voltage.	Check USB connection and power source. Ensure 5V power supply. Try a different USB port or cable.
No GPS signal / Speed not displayed.	Obstructed view of sky; initial signal acquisition; driving in tunnels/garages.	Move to an open area with clear sky view. Allow a few minutes for signal acquisition. GPS signal may be temporarily lost in certain environments.
Speed reading is inaccurate.	Calibration needed.	Refer to the detailed settings in the user manual (not covered in this summary) for speed calibration. Some minor discrepancies with vehicle's odometer are normal.
Display is too dim or too bright.	Automatic brightness sensor blocked; manual setting needed.	Ensure the photosensitive element (small hole on the back) is not blocked. Adjust brightness manually as described in section 5.3.
Trip distance resets after power off.	Normal operation.	This is an intended feature. The device relies on continuous power to track trip distance and does not accumulate total distance when powered off.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.6 x 1.6 x 1.7 inches
Item Weight	2.82 ounces (80 Grams)
Model Number	ST-HUD-G3
Screen Size	5.5 Inches
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Input	5V (via Micro USB)
Data Source	GPS Satellite Signals

Semi-arc three-dimensional design, making the fuselage more rounded

30mm deep brim, no display leakage

43mm/1.70in

168mm/6.62in

Beautiful design of flow-shaped arc surface

Press left
Long press in: enter the setting
Press right

Adopt compact small patterns, exquisitely polished

Photosensitive element

Micro USB interface

16mm 1.63in
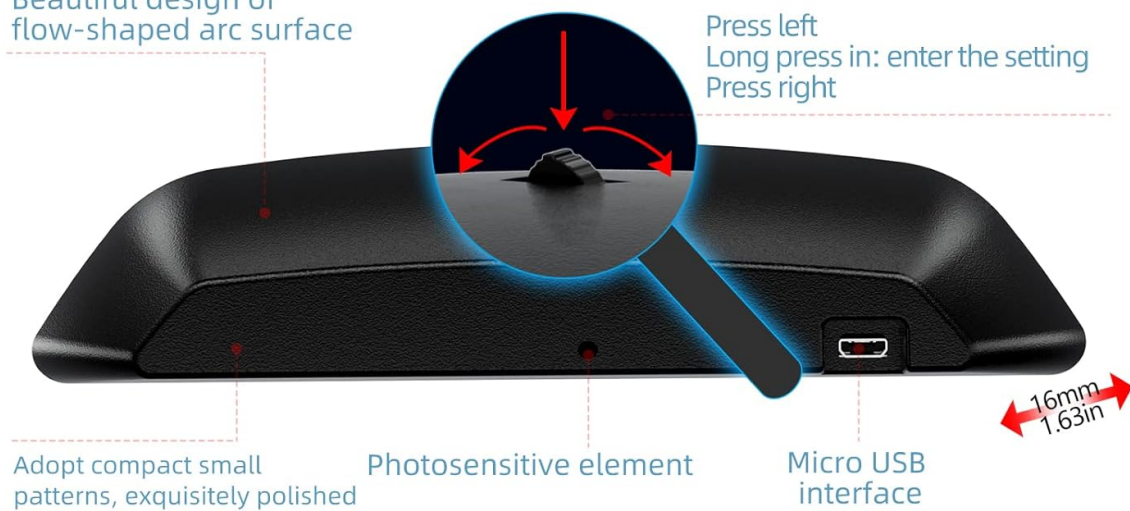
Image: Product Dimensions and Features.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official SinoTrack website or contact their customer service directly. Contact details are typically provided in the original product packaging or on the manufacturer's website.

You can also visit the SinoTrack Store on Amazon for more information and support resources.

Related Documents - ST-HUD-G3

	[SinoTrack GPS Tracker User Manual](#) User manual for the SinoTrack GPS Tracker, providing instructions on setup, operation, and troubleshooting for various features including SMS tracking, alarms, and device modes.
	[Sinotrack ST-901 GPS Tracker User Manual & Setup Guide (3G/4G)](#) Comprehensive user manual for the Sinotrack ST-901 and ST-901W 3G/4G GPS trackers, covering quick start, installation, SMS commands for configuration, online tracking, and mobile app usage.
	[SinoTrack ST-901L 4G 4PIN GPS Tracker User Manual & Installation Guide](#) Comprehensive user manual for the SinoTrack ST-901L 4G 4PIN GPS Tracker, covering quick start, installation, SMS commands, online tracking, and advanced functions for optimal device operation and vehicle monitoring.
	[SinoTrack ST-901 4PIN GPS Tracker (ST-901L 4G) User Manual](#) Comprehensive user manual for the SinoTrack ST-901 4PIN and ST-901L 4G GPS trackers. This guide covers quick setup, web and mobile tracking, SIM card installation, LED status indicators, wiring instructions, and a full list of SMS commands for configuring features like geo-fencing, speed alerts, battery warnings, ACC ignition alerts, remote engine cut-off, APN settings, IP/Port configuration, and time interval reporting. Learn how to effectively monitor and manage your vehicle with the SinoTrack GPS device.
	[SinoTrack J14 Car GPS Tracker User Manual](#) User manual for the SinoTrack J14 Car GPS tracker, a 2G Realtime Tracking Locator Device supporting the GT06 Protocol with a free platform and app, including ACC alarm features.
	[SinoTrack GPS Tracker User Manual](#) User manual for the SinoTrack GPS Tracker, detailing its features, hardware description, setup, SMS tracking, working modes, and FAQ.