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› Kenntsh GT02A Car GPS Tracker User Manual

Kenntsh GT02A

Kenntsh GT02A Car GPS Tracker User Manual

Model: GT02A (500344684)

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Kenntsh GT02A Car GPS Tracker. The GT02A is a compact and intelligent GPS vehicle positioning terminal designed for real-time location tracking and anti-theft applications. It integrates GSM wireless communication and GPS positioning technologies, featuring an industrial-grade highly integrated design, intelligent power-saving capabilities, and passive drift suppression. The device supports location inquiry via SMS and GPRS, and GPS tracking by time interval. It is designed for wide input voltage compatibility, making it suitable for various vehicles including cars, motorcycles, electric cars, and ships.

PACKAGE CONTENTS

Before proceeding with installation, please verify that all items listed below are present in your package:

- 1 x Kenntsh GT02A Car GPS Tracker unit
- 1 x Power/Wiring Cable
- 1 set of Screws (for mounting)





Image: The Kenntsh GT02A Car GPS Tracker unit with its attached wiring harness, including red and black power wires and a fuse holder.
This image shows the main components included in the package.

SPECIFICATIONS

Feature	Specification
Dimension	90(L) x 45(W) x 13.6(H) mm
Weight	45g
Operation Temperature	-30°C to 70°C
Operation Voltage	9-36V DC
Humidity	20% - 80%
GSM Frequencies	850/900/1800/1900 MHz
GPRS	Class 12
GPS Sensitivity	-159dBm
Acquisition Sensitivity	-144dBm
Position Accuracy	10m
TTFF (Time To First Fix) - Cold Start	Less than 38s
TTFF (Time To First Fix) - Warm Start	Less than 32s
TTFF (Time To First Fix) - Hot Start	Less than 2s
GSM/GPS Antenna	Built-in design
LED Indicators	GSM-green, GPS-blue, Power-red
Data Transmit	TCP, SMS
Non-movement Detection	Movement alarm based on built-in 3D motion sensor
Mileage Report	Track by time/distance interval

SETUP AND INSTALLATION

The GT02A tracker is designed for simple installation. Connect the power supply to start operation immediately. Ensure the vehicle's power source is within the 9-36V DC operating voltage range.

- 1. Prepare the Device:** Ensure you have a valid SIM card (not included) with GPRS data and SMS capabilities. Insert the SIM card into the designated slot on the tracker. The SIM card slot is typically located under a cover or on the side of the device.
- 2. Identify Power Source:** Locate a stable 9-36V DC power source in your vehicle. This is typically the vehicle's battery or an ignition-switched power line.
- 3. Connect Wiring:**
 - Connect the **red wire** from the tracker's wiring harness to the positive (+) terminal of the vehicle's power source.
 - Connect the **black wire** from the tracker's wiring harness to the negative (-) terminal or a good chassis ground point of the vehicle.





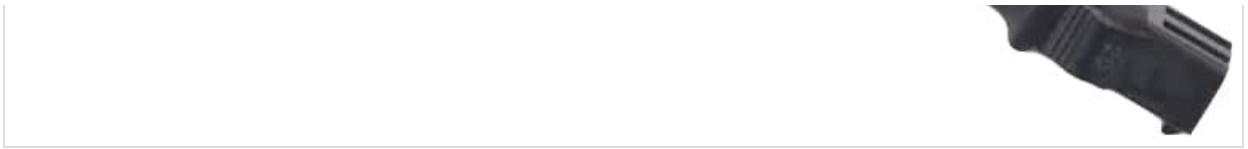


Image: A close-up of the power wiring harness, showing the red and black wires connected to a fuse holder. This harness connects the tracker to the vehicle's power supply.

4. **Secure the Tracker:** Choose a discreet and secure location within the vehicle for the tracker. Ensure it is not exposed to extreme temperatures or direct moisture. Use the provided screws or other suitable fasteners to secure the device firmly. Avoid locations that might obstruct GPS or GSM signals (e.g., deep inside metal enclosures).





Image: Front view of the Kenntsh GT02A GPS tracker, showing its compact black casing. This view highlights the device's discreet design for vehicle installation.

5. **Verify Operation:** Once connected, observe the LED indicators on the device. The GSM (green), GPS (blue), and Power (red) LEDs will indicate the working status. Refer to the "LED Indicators" section for detailed status meanings.

OPERATING INSTRUCTIONS

LED Indicators

The GT02A features three LED indicators to provide real-time status information:

- **GSM (Green LED):** Indicates GSM network status.
- **GPS (Blue LED):** Indicates GPS signal acquisition status.
- **Power (Red LED):** Indicates power supply status.

(Specific LED behavior details, e.g., solid, blinking, off, would typically be provided here by the manufacturer. As this information is not in the provided JSON, a general description is given.)

Location Tracking

The GT02A supports real-time location tracking through two primary methods:

- **SMS Inquiry:** Send a specific SMS command from a registered mobile number to the tracker's SIM card number. The tracker will reply with a location link (e.g., Google Maps link) or coordinates via SMS. Refer to the device's communication protocol for exact SMS commands.
- **GPRS Tracking (Platform-based):** For continuous, real-time tracking, the device transmits data via GPRS (Class 12) to a designated tracking platform. This allows for historical route playback, geofencing, and other advanced features. The device can be configured to send GPS data at specified time intervals (10-18000 seconds).

Note: The device requires a password for setup changes to protect privacy and ensure secure operation.

Movement Detection and Alarms

The built-in 3D motion sensor enables non-movement detection and can trigger movement alarms. This feature is useful for anti-theft purposes, notifying you if the vehicle is moved without authorization.

Mileage Report

The tracker can generate mileage reports, tracking distance traveled based on time or distance intervals. This data is typically accessible through the associated tracking platform.

MAINTENANCE

The Kenntsh GT02A GPS tracker is designed for low maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Keep Dry:** Avoid exposing the device to water or excessive humidity. While designed for vehicle use, direct water ingress can damage internal components.
- **Temperature Range:** Operate the device within its specified temperature range of -30°C to 70°C. Extreme temperatures can affect performance and lifespan.
- **Cleanliness:** Periodically clean the exterior of the device with a soft, dry cloth. Do not use harsh chemicals or solvents.
- **Secure Installation:** Regularly check that the device is securely mounted and that all wiring connections are firm. Vibrations from vehicle movement can loosen connections over time.
- **SIM Card:** Ensure the SIM card is properly inserted and has sufficient credit/data plan for continuous operation.

TROUBLESHOOTING

If you encounter issues with your Kenntsh GT02A GPS Tracker, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power (Red LED Off)	No power supply; Loose wiring; Blown fuse.	Check vehicle's power source. Ensure wires are securely connected. Inspect and replace fuse if necessary.
No GSM Signal (Green LED Off/Blinking rapidly)	SIM card not inserted or faulty; No network coverage; SIM card balance low.	Ensure SIM card is correctly inserted. Move vehicle to an area with better network coverage. Recharge SIM card.
No GPS Signal (Blue LED Off/Blinking rapidly)	Device in an area with poor GPS reception (e.g., indoors, underground garage); Obstruction to sky view.	Move vehicle to an open area with clear sky view. Ensure tracker is not hidden by metal objects. Allow time for cold start acquisition.
Inaccurate Location	Weak GPS signal; GPS drift; Environmental interference.	Ensure clear sky view. Location accuracy is typically 10m, minor variations are normal.
SMS Commands Not Working	Incorrect SMS format; SIM card issues; Tracker not registered.	Verify SMS command syntax. Check SIM card status. Ensure tracker is properly configured and registered on the platform if applicable.

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.
For further assistance, you may also visit the official Kenntsh website or contact their customer service department.

(Specific contact details are not available in the provided data)

