TKSTAR TK905 4G

TKSTAR TK905 4G GPS Tracker User Manual

MODEL: TK905 4G

1. Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your TKSTAR TK905 4G GPS Tracker. Please read this manual carefully before using the device to ensure proper functionality and to maximize its benefits.

2. Product Overview

The TKSTAR TK905 4G GPS Tracker is a versatile, real-time tracking device designed for vehicles, assets, and more. It operates on 4G GSM/GPRS/LTE networks and GPS satellites, offering accurate positioning and various alert functions. Its magnetic design allows for easy, hidden installation without complex wiring.

TKSTAR TK905 4G GPS Tracker and packaging, illustrating its global tracking capability.
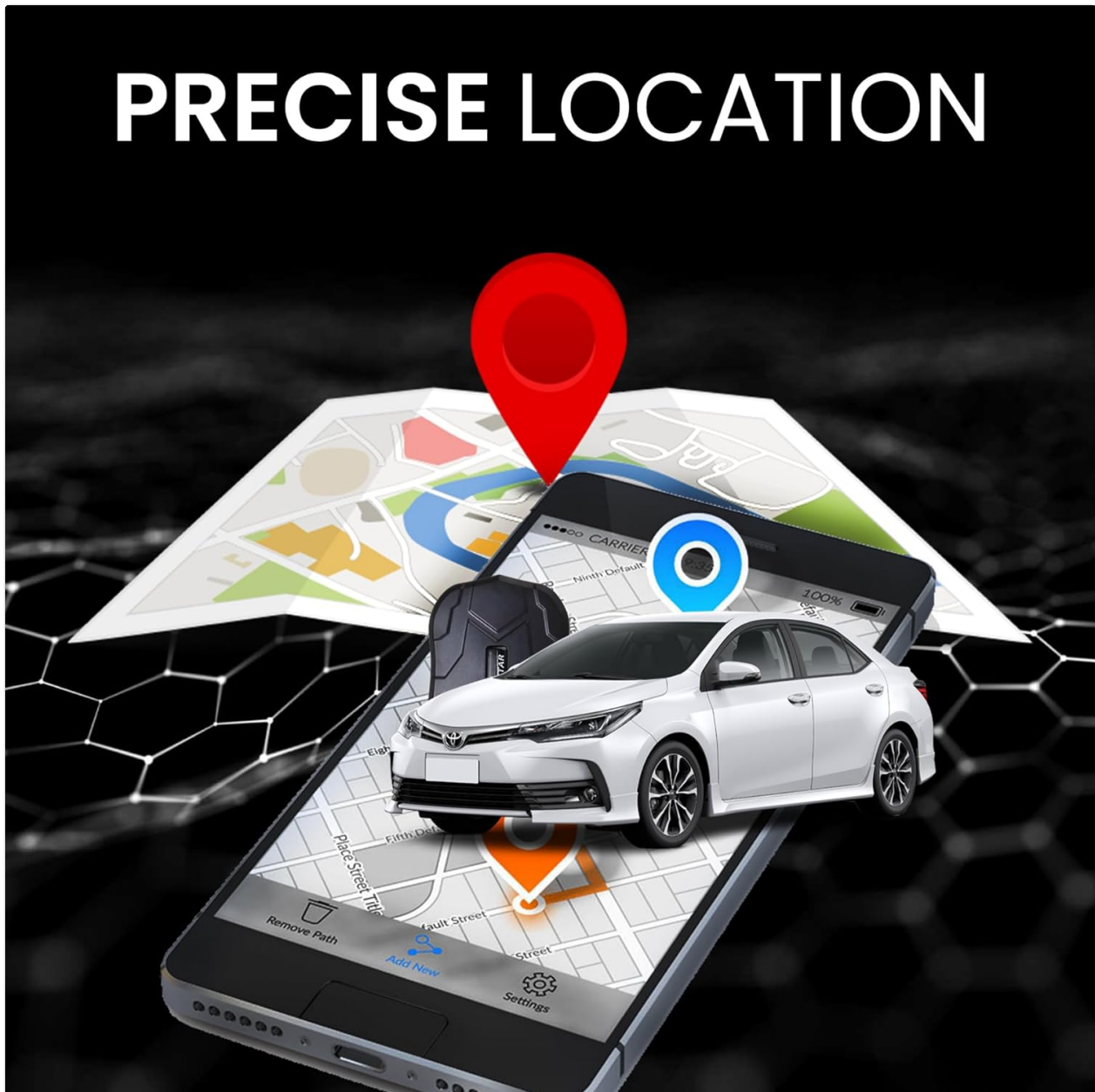
TKSTAR TK905 4G GPS Tracker next to a smartphone displaying the tracking application interface with a map.

3. Key Features

- **No Monthly Fee:** Free access to tracking website and application.
- **Real-time and Accurate Positioning:** Utilizes GSM/GPRS/LTE network and GPS satellites for real-time

location with up to 5-meter accuracy using GPS and AGPS dual positioning.

- **Electronic Fence (Geo-Fence):** Define custom safe zones (100-5000m radius) and receive alerts when the device enters or exits these areas.

- **Easy Installation:** Built-in strong magnets allow for quick and secure attachment to any iron surface.

- **Energy Saving & IP65 Waterproof:** Features a 5000mAh lithium-iron battery for up to 60 days standby time and is dustproof, shockproof, and water-resistant.

- **Multifunction Alarms:** Includes Over-speed alarm, Shake alarm, Loosing alarm, and Low power alarm.

- **History Route Playback:** Review up to 90 days of historical travel routes.

- **Multiple Tracking Methods:** Track via SMS, dedicated mobile application, or web platform.

TKSTAR TK905 4G GPS Tracker highlighting its key features.

4. Package Contents

Upon opening your TKSTAR TK905 4G GPS Tracker package, please verify that all the following items are included:

- TKSTAR TK905 4G GPS Tracker Unit
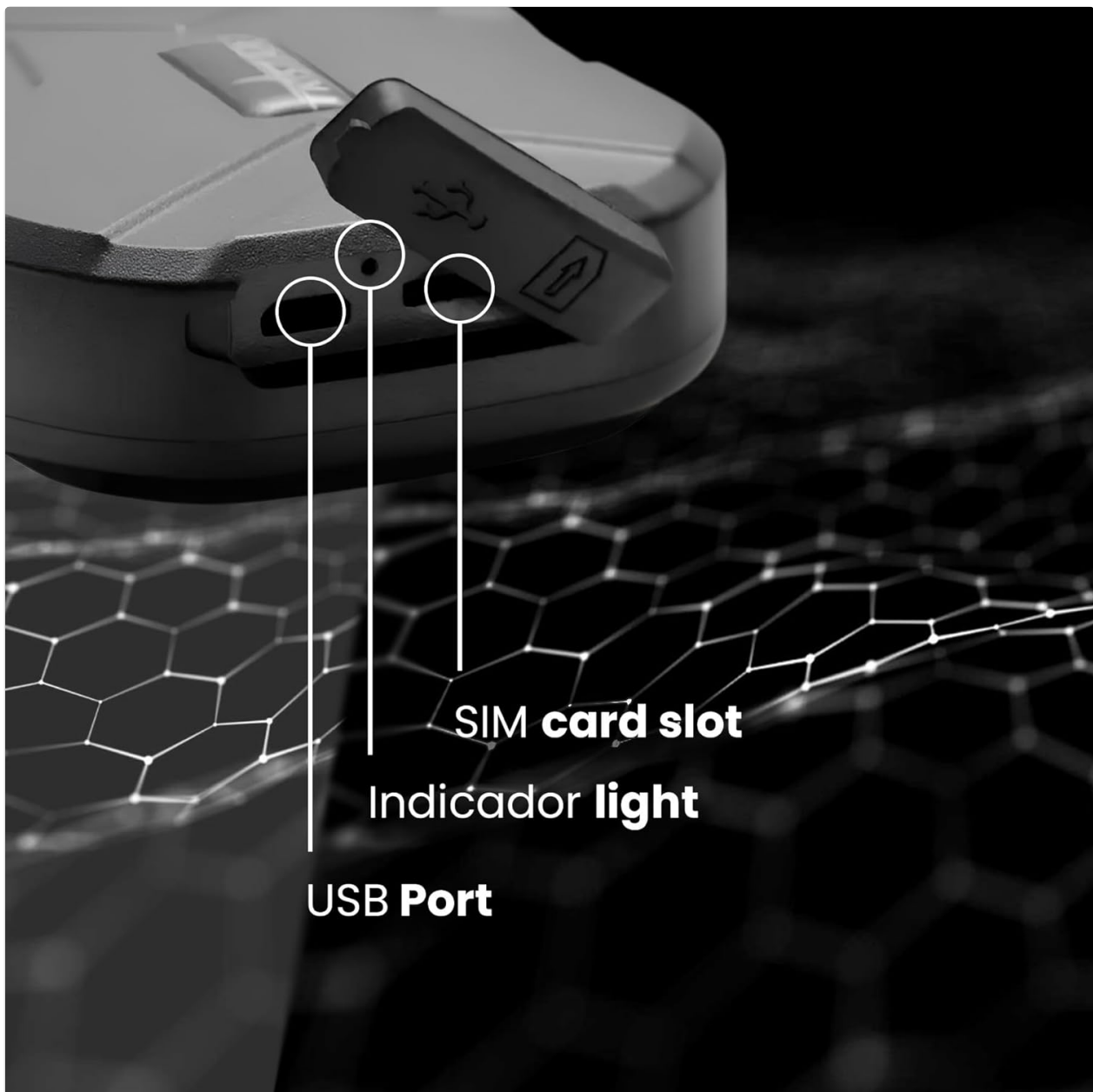
- USB Charging Cable
- User Manual

Contents of the TKSTAR TK905 4G GPS Tracker package.

5. Setup Guide

5.1. SIM Card Installation

The TK905 4G GPS Tracker requires a data-enabled 4G SIM card (not included) for network connectivity. Ensure the SIM card is activated and has sufficient data balance.

1. Locate the SIM card slot on the side of the device.
2. Gently open the rubber cover protecting the SIM card slot and USB port.
3. Insert the 4G SIM card into the slot with the metal contacts facing down and the notched corner aligned correctly. Push until it clicks into place.
4. Close the rubber cover firmly to ensure water resistance.

Close-up view of the TKSTAR TK905 4G GPS Tracker showing the SIM card slot, indicator light, and USB port.

5.2. Charging the Device

Before first use, fully charge the device. The TK905 4G has a built-in 5000mAh lithium-iron battery.

1. Connect the provided USB charging cable to the device's USB port.
2. Connect the other end of the cable to a standard USB power adapter (e.g., phone charger, computer USB port).
3. The indicator light will show charging status (refer to the device's LED indicator guide for specific patterns).
4. Once fully charged, disconnect the cable.

5.3. Powering On/Off

To power on the device, press and hold the power button (if available, otherwise it powers on automatically upon SIM insertion and charge). To power off, send a specific SMS command (refer to the full SMS command list in the detailed user guide, usually provided with the product).

6. Operating Instructions

6.1. Tracking Methods

The TK905 4G offers multiple ways to track its location:

- **SMS Tracking:** Send specific SMS commands from an authorized phone number to the tracker's SIM card number. The tracker will reply with a Google Maps link showing its current location.

- **Mobile Application Tracking:** Download the official TKSTAR tracking application (available for iOS and Android). Log in with your device ID and password to view real-time location, history, and set up alerts.

- **Web Platform Tracking:** Access the TKSTAR web tracking platform via a web browser. This provides a larger interface for detailed monitoring and management of multiple devices.

Monitor and track your device's location.

Precise location tracking for your vehicle.

6.2. Geo-Fence Setup

A Geo-Fence allows you to define a virtual boundary. When the tracker enters or exits this boundary, you will receive an alert.

1. Access the Geo-Fence setting through the mobile application or web platform.
2. Draw a polygon or circle on the map to define your desired area.
3. Set the radius (for circular fences) or adjust the polygon points.
4. Configure alert notifications (e.g., app push, SMS).
5. Save the Geo-Fence.

6.3. Alarm Functions

The TK905 4G supports several alarm types:

- **Over-speed Alarm:** Set a maximum speed limit. If the tracker exceeds this speed, an alert is sent.
- **Shake Alarm:** Receive an alert if the device detects significant vibration or movement.
- **Loosing Alarm:** Alerts if the device is removed from its magnetic attachment.

- **Low Power Alarm:** Notifies you when the battery level is critically low, prompting a recharge.

These alarms can typically be configured via the mobile application or web platform.

6.4. Device Placement

Thanks to its strong built-in magnets, the TK905 4G can be easily attached to any metal surface. Common placement areas for vehicles include:

- Under the chassis

- Inside the bumper (front or rear)

- Under seats

- In the trunk

Suggested discreet placement options for the tracker in a vehicle.

7. Maintenance

- **Charging:** Recharge the device promptly when a low power alarm is received to ensure continuous operation.

- **Cleaning:** Wipe the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** While IP65 rated for water resistance, avoid submerging the device in water for extended periods. Ensure the rubber cover for the SIM/USB port is always securely closed.
- **Storage:** If storing the device for an extended period, ensure it is partially charged (around 50%) and stored in a cool, dry place.

The TK905 4G GPS Tracker is designed with IP65 water resistance.

8. Troubleshooting

Problem	Possible Cause	Solution
Device not powering on	Low battery; Device not activated.	Charge the device fully. Ensure SIM card is correctly inserted and activated.
No GPS signal / Inaccurate location	Device is indoors or in an area with poor satellite reception; SIM card issue.	Move the device to an open outdoor area. Check SIM card balance and data plan.

Problem	Possible Cause	Solution
No SMS reply	Incorrect SMS command; SIM card no credit/data; Unauthorized phone number.	Verify SMS command syntax. Check SIM card balance. Ensure your number is authorized.
App/Web platform not showing data	No network connection; Incorrect device ID/password.	Check device's network indicator light. Verify login credentials. Ensure SIM has data.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please refer to the full troubleshooting guide provided with your product or contact customer support.

9. Specifications

- **Model:** TK905 4G

- **Connectivity:** 4G (GSM/GPRS/LTE)

- **Positioning:** GPS + AGPS Dual Positioning

- **Positioning Accuracy:** Up to 5 meters

- **Battery:** Built-in 5000mAh Lithium-Iron Battery

- **Standby Time:** Up to 60 days

- **Water Resistance:** IP65

- **Special Features:** Built-in strong magnets, Portable, No installation/wiring required, Water Resistant.

- **Item Weight:** 5.8 ounces

- **Package Dimensions:** 4 x 3 x 1 inches

10. Warranty and Support

For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official TKSTAR website. For technical support, frequently asked questions, or further assistance, please visit the TKSTAR support page or contact their customer service directly. Contact details are typically available on the manufacturer's website or in the product packaging.