

Zeerkeer TK816

Zeerkeer TK816 OBD2 GPS Tracker User Manual

INTRODUCTION

Welcome to the user manual for your Zeerkeer TK816 OBD2 GPS Tracker. This guide provides detailed instructions for setting up, operating, and maintaining your device to ensure optimal performance and reliable vehicle tracking.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Zeerkeer TK816 4G OBD2 GPS Tracking Device
- 1 x User Manual
- 1 x Internal Lithium Ion Battery (pre-installed)

PRODUCT OVERVIEW AND FEATURES

The Zeerkeer TK816 is a compact and efficient 4G OBD2 GPS tracker designed for real-time vehicle monitoring. It offers a range of features to keep you informed about your vehicle's location and status.

- **International SIM Card:** Includes an international SIM card with flexible subscription plans (Monthly, Annual, 2-year options) and a 1-day free trial.
- **Precise Positioning:** Utilizes GPS and LBS (Location Based Service) for accurate tracking, with GPS accuracy up to 16-32 feet (5-10 meters).
- **Real-time Tracking:** Monitor your vehicle's location in real-time on Google Maps via the mobile application or web platform.
- **Geo-fence:** Define specific geographic areas and receive alerts when the vehicle enters or exits these zones.
- **Historical Route Playback:** Review past travel routes for up to 180 days.
- **Multiple Alarms:** Configurable alerts for overspeed, shock detection, movement, and low power.
- **Built-in Battery:** A 200mAh internal Lithium Ion battery provides approximately 30 minutes of backup power if the vehicle's power supply is interrupted.
- **Plug-and-Play Installation:** Easy installation by plugging directly into the vehicle's OBD-II port, requiring no

additional wiring.

- **Universal Compatibility:** Works with most vehicles equipped with an OBD-II port.

Plug & Play OBD GPS Tracker



Free Installation



Free Charging



Compact Size



Only 30g

Image: The Zeerkeer TK816 OBD2 GPS Tracker is designed for simple plug-and-play installation into your vehicle's OBD-II port.

Realtime Tracking On Google Maps



Mobile phone



Tablet



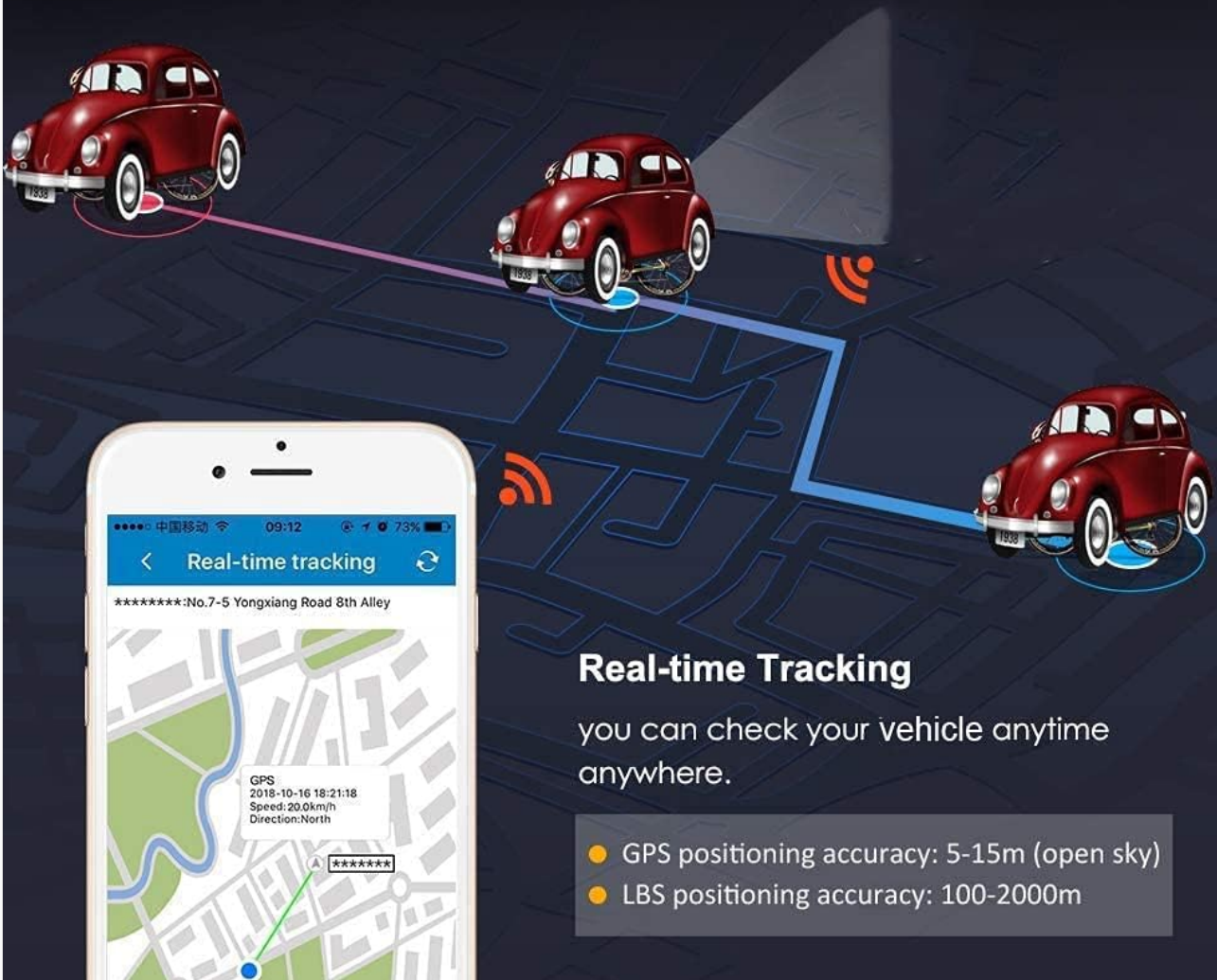
Computer



Image: Real-time tracking is accessible across multiple devices, including mobile phones, tablets, and computers, displaying vehicle location on Google Maps.

History Route Playback

Display the historical route in a certain period of the device, you can check any one day of 90 days historical route.



Real-time Tracking
you can check your vehicle anytime anywhere.

- GPS positioning accuracy: 5-15m (open sky)
- LBS positioning accuracy: 100-2000m

The smartphone screen shows the following information:
- Status bar: 中国移动, 09:12, 73%
- Title: Real-time tracking
- Address: *****:No.7-5 Yongxiang Road 8th Alley
- GPS Data:
 - Time: 2018-10-16 18:21:18
 - Speed: 20.0km/h
 - Direction: North
- A location marker labeled ***** is shown on the map.

Image: The device allows for historical route playback, enabling users to review past travel paths for a specified period.

GEO-FENCE

By setting one or several specific areas (home, company), the device leaves or enters this area, we will receive an alarm message.



Image: The Geo-fence feature allows you to set virtual boundaries and receive alerts when the tracker enters or leaves these designated areas.

Product Applications



Car



Bus



Truck



OFF-roader

Image: The Zeerkeer TK816 GPS tracker is suitable for a wide range of vehicles, including cars, buses, trucks, and off-road vehicles.

SETUP AND INSTALLATION

SIM Card Activation and Subscription

The Zeerkeer TK816 includes an international SIM card. Before using the device, you must activate a subscription plan. Options include Monthly (\$4.99), Annual (\$49.99), or a 2-year plan (\$89.99). A 1-day free trial is available. There are no contracts, and you can cancel at any time.

Device Installation

The TK816 tracker is designed for straightforward plug-and-play installation:

1. **Locate the OBD-II Port:** Identify your vehicle's OBD-II port. This port is typically located under the dashboard on the driver's side, though its exact position may vary by vehicle model.
2. **Plug in the Tracker:** Firmly insert the Zeerkeer TK816 GPS tracker into the OBD-II port. Ensure it is securely connected.
3. **Power On:** Once plugged in, the device will draw power from the vehicle's OBD-II port and automatically

power on. No additional wiring or external power source is needed for primary operation.

The built-in 200mAh battery provides temporary power for approximately 30 minutes if the vehicle's engine is turned off or the main power supply is disconnected.

OPERATING INSTRUCTIONS

Mobile Application and Web Platform Access

To begin tracking your vehicle and utilize the full range of features, download the official mobile application or access the web tracking platform.

- The mobile application is compatible with both Android and iOS devices.
- You can download the app by scanning the QR code provided in the manual or on the device packaging, or by visiting the official download page.
- The web tracking platform can be accessed at: <http://www.mytkstar.net/>

Tracking Software

We can provide **LIFETIME Free** tracking software, includes web server mobile app (iOS and Android)



Web Server
Platform:<http://www.mytkstar.net/>



Image: The tracking software is available as a mobile app for iOS and Android, and via a web server, providing comprehensive

Key Functions

Once logged into the application or web platform, you can perform the following actions:

- **Real-time Location:** View your vehicle's current position on an interactive map.
- **Historical Routes:** Access and review detailed travel history for up to 180 days.
- **Geo-fence Management:** Create and manage virtual boundaries. Receive instant notifications when the tracker enters or exits these areas.
- **Alarm Configuration:** Set up and customize various alerts, including overspeed warnings, shock detection, movement alerts, and low power notifications.
- **Tracking Update Interval:** Adjust the frequency at which the tracker reports its location, from 10 to 24500 seconds, to balance real-time data with power consumption.

SPECIFICATIONS

Feature	Detail
Model	TK816 (OBD2 GPS tracker)
Dimensions	2.1" x 1.8" x 0.9" (53 x 46 x 23mm)
Weight	1.5oz (43.8g)
Network	4G LTE/2G GSM GPRS
LTE/4G Bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66
GSM Bands	850/900/1800/1900MHZ
GPS Sensitivity	-159dBm
GPS Accuracy	16ft-32ft (5-10m)
LBS Accuracy	320ft-3200ft (100-1000m)
Battery	Built-in 200mAh Lithium Ion
Storage Temperature	-40°F to +185°F (-40°C to +85°C)
Operation Temperature	-4°F to +131°F (-20°C to +55°C)
Humidity	5%-95% non-condensing
Material	Plastic

TROUBLESHOOTING

Common Issues and Solutions

- **No Signal/Offline:** Ensure the device is securely plugged into the OBD-II port. Verify your subscription status is active. Check for adequate 4G/2G network coverage in the device's current location.
- **Inaccurate Positioning:** GPS accuracy can be affected by environmental factors such as tall buildings, dense

foliage, or underground parking. Move the vehicle to an open area for better GPS signal reception. Note that LBS positioning is inherently less accurate than GPS.

- **Device Not Powering On:** Confirm the vehicle's OBD-II port is supplying power. The internal battery provides limited backup power; if the vehicle's power is off for an extended period, the device may shut down.
- **Alarms Not Triggering:** Check alarm settings within the mobile application or web platform to ensure they are correctly configured and enabled for the desired events.
- **Historical Data Missing:** Ensure the device has been consistently powered and connected to the network during the period in question. Historical data is stored for up to 180 days.

If issues persist after attempting these solutions, please refer to the support section or contact customer service for further assistance.

MAINTENANCE

The Zeerkeer TK816 GPS tracker is designed for minimal maintenance. Follow these guidelines to ensure its longevity and optimal performance:

- **Cleaning:** Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures or humidity outside its specified operating range (-4°F to +131°F / -20°C to +55°C, 5%-95% non-condensing humidity).
- **Physical Integrity:** Do not attempt to open, disassemble, or modify the device, as this will void the warranty and may cause damage.
- **Software Updates:** Regularly check for software updates through the mobile application or web platform to ensure you have the latest features and performance enhancements.

WARRANTY AND SUPPORT

For detailed warranty information regarding your Zeerkeer TK816 GPS Tracker, please refer to the warranty card or documentation provided at the time of purchase. Warranty terms typically cover manufacturing defects for a specified period.

For technical assistance, troubleshooting not covered in this manual, or any other inquiries, please contact Zeerkeer customer support. You can often find support contact information on the official Zeerkeer website or through the mobile application.

Online platform for support and downloads: <http://www.mytkstar.net/download.htm>