



[Manuals.plus](#) /

› [Zeerkeer](#) /

› ZEERKEER Mini GPS Tracker TK901 User Manual

Zeerkeer TK901

ZEERKEER Mini GPS Tracker TK901 User Manual

Model: TK901

1. PRODUCT OVERVIEW

The ZEERKEER Mini GPS Tracker TK901 is a compact and versatile real-time tracking device designed for various applications, including monitoring children, the elderly, pets, luggage, wallets, and vehicles. It utilizes GPS/A-GPS/LBS multi-mode positioning for high accuracy and offers features such as geo-fencing, SOS emergency calls, and intelligent sleep modes to optimize battery life. Its built-in magnet allows for easy attachment to metal surfaces.



Image 1.1: Overview of the ZEERKEER Mini GPS Tracker TK901 and its diverse tracking applications, highlighting key features such as real-time tracking, sleep mode, and magnetic attachment.

2. WHAT'S IN THE BOX

Please verify that all items are present in your package:

- 1 x ZEERKEER Mini GPS Tracker (TK901)
- 1 x USB Charging Cable
- 1 x Storage Bag
- 1 x User Manual (this document)

3. SPECIFICATIONS

Feature	Specification
Dimensions	47mm x 24mm x 18mm (1.85" x 0.94" x 0.71")
Weight	25g
Network	GSM/GPRS (2G)

Feature	Specification
GSM Band	850/900/1800/1900Mhz
GPS Sensitivity	-159dBm
GPS Accuracy	5m (16ft)
Time To First Fix (Cold Status)	45s
Time To First Fix (Warm Status)	35s
Time To First Fix (Hot Status)	1s
Battery	Built-in 3.7V 600mAh Li-ion Battery
Standby Time	Up to 200 hours
Storage Temperature	-40°C to +85°C
Operation Temperature	-20°C to +55°C
Humidity	5%--95% non-condensing
Special Features	Magnetic attachment, SOS call, Geo-fence, Sleep modes

4. SETUP GUIDE

4.1 SIM Card Installation

The TK901 tracker requires a GSM (2G) SIM card for full functionality. A SIM card is **not included** with the device. Please purchase a compatible 2G SIM card (e.g., SpeedTalk/T-Mobile in the US) and ensure 2G network coverage in your area before proceeding.

1. Locate the SIM card slot on the side of the tracker.
2. Carefully insert the activated 2G SIM card into the slot with the metal contacts facing down, ensuring it clicks into place.
3. Close the SIM card slot cover securely to protect against dust and moisture.

4.2 Charging the Device

Before first use, fully charge the tracker.

1. Connect the provided USB cable to the tracker's USB port.
2. Connect the other end of the USB cable to a standard 5V/1A USB wall charger or a computer's USB port.
3. The indicator light will show charging status (refer to Section 4.3 for light indications). Allow approximately 2-3 hours for a full charge.

4.3 Indicator Lights

The device has indicator lights to show its status:



Image 4.1: Detailed view of the tracker's ports and indicator light, essential for initial setup and status checks.

- **Blue Light (GPS):** Solid blue indicates GPS signal acquired. Flashing blue indicates searching for GPS signal.
- **Green Light (GSM):** Solid green indicates stable GSM network connection. Flashing green indicates searching for GSM network.
- **Red Light (Power/Charging):** Solid red indicates charging. Light off when fully charged. Flashing red indicates low battery.

4.4 Powering On/Off

- **Power On:** Press and hold the power button (if available, otherwise device powers on automatically upon SIM insertion/charge) until indicator lights activate.
- **Power Off:** Send an SMS command (refer to APP/Website instructions) or remove the SIM card and let the battery drain.

4.5 Accessing Tracking Platform

You can track the device via SMS, a dedicated mobile application, or a web platform. Refer to the instructions provided with the SIM card or the product packaging for specific APP download links and website URLs. You will typically need the device's IMEI number (found on the device or packaging) to register.

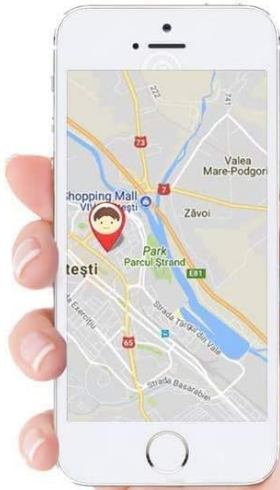
5. OPERATING INSTRUCTIONS

5.1 Real-time Tracking

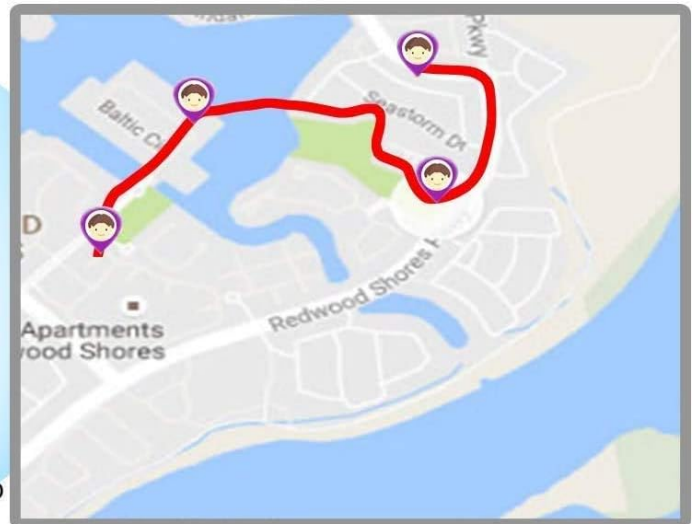
The TK901 provides real-time location updates with an accuracy of up to 5 meters.

- **Via APP/Website:** Log in to the tracking platform using your registered account. The device's current location will be displayed on a map.
- **Via SMS:** Send a specific SMS command (e.g., 'G123456#') to the tracker's phone number. The tracker will reply with a Google Maps link showing its current location.

REAL- TIME TRACKING



HISTORY ROUTE PLAYBACK



You can track the history route of the device up to 3 months via both the Web platform and APP

Image 5.1: Illustration of real-time tracking and historical route playback on a mobile device, demonstrating how to monitor movement over time.



Image 5.2: Real-time tracking interface on a smartphone, showing the tracker's position on a Google Map.

5.2 History Route Playback

The tracking platform allows you to view the device's historical routes for up to 3 months. This feature is accessible through both the mobile application and the web platform.

1. Access the 'History' or 'Route Playback' section in the APP or website.
2. Select the desired date and time range.
3. The device's movement path during that period will be displayed on the map.

5.3 Geo-fence Function

Set up virtual boundaries (geo-fences) to receive alerts when the tracker enters or exits a predefined area.

1. In the APP or web platform, navigate to the 'Geo-fence' or 'Safety Zone' settings.
2. Draw a desired area on the map (e.g., a circle around a home or school).
3. Configure alert notifications (e.g., push notifications, SMS) for entry and/or exit events.

Sleep Modes

Smart sleep modes can help you save battery consumption



Sleep by time: Example: if the time configured time interval is 5min, the tracker will for 5 minutes after being waked up, and then back to sleep mode. SMS command, calling tracker can wake up the tracker.

Sleep by time: if on shock within 5 minutes, then the device will enter into sleep mode, it can be wake up by shock, sms commands, call

Image 5.3: Visual representation of the Geo-fence feature, showing how to define a safe zone and receive alerts.

5.4 SOS Emergency Call

In an emergency, the user can press the SOS button to send an alert.

1. Pre-set emergency contact numbers in the APP or via SMS commands.
2. When the SOS button is pressed for 3 seconds, the tracker will send an SMS alert (e.g., "help alarm!") to the pre-set numbers.

5.5 Sleep Modes

The TK901 features smart sleep modes to conserve battery life.

- **Sleep by Time:** The tracker enters sleep mode after a configured idle period (e.g., 5 minutes). It wakes up for a short interval to report location and then returns to sleep. It can also be woken by SMS commands or a call.
- **Sleep by Shock:** If no movement or shock is detected for a set period, the device enters sleep mode. Any detected shock, SMS command, or call will wake it up.



Image 5.4: Explanation of sleep modes and their impact on battery consumption, highlighting the efficiency of smart sleep functions.

5.6 Magnetic Attachment

The tracker has a built-in strong magnet, allowing it to be easily attached to any metal surface for discreet placement.

6. MAINTENANCE

6.1 Battery Care

- Charge the device regularly, especially if it's not in constant use, to maintain battery health.
- Avoid fully discharging the battery frequently.
- Do not expose the device to extreme temperatures, as this can degrade battery performance.

6.2 Cleaning and Storage

- Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Store the tracker in a cool, dry place when not in use.

- Ensure the SIM card slot cover is properly sealed to prevent water or dust ingress.

7. TROUBLESHOOTING

If you encounter issues with your ZEERKEER Mini GPS Tracker, please refer to the following common problems and solutions:

Problem	Possible Cause & Solution
Device not powering on	Battery is depleted. Charge the device for at least 2-3 hours. Ensure the charging cable and adapter are working correctly.
No GPS signal (Blue light flashing)	Device is indoors or in an area with poor satellite reception. Move the device to an open outdoor area. Allow time for the device to acquire a signal.
No GSM network (Green light flashing)	SIM card is not inserted correctly, not activated, or has no balance. Ensure the SIM card is a 2G GSM card and is active. Check for 2G network coverage in your location. Restart the device.
Tracker not responding to SMS commands	Incorrect SMS command format. Refer to the APP/web platform for correct commands. SIM card may not have SMS service or credit. GSM network issue.
Inaccurate location data	Poor GPS signal (e.g., indoors, dense urban areas). Device may be relying on LBS (Location Based Service) which is less accurate. Move to an open area.
Battery drains quickly	Frequent location updates or continuous tracking without sleep modes. Adjust tracking frequency or enable sleep modes in the APP/web platform. Old battery (if applicable).
Cannot log in to APP/Website	Incorrect username/password. Ensure the device's IMEI is correctly registered. Check internet connection.

If the problem persists after trying these solutions, please contact customer support.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The ZEERKEER Mini GPS Tracker TK901 comes with a standard manufacturer's warranty. Please refer to the product packaging or the seller's website for specific warranty terms and duration. This warranty typically covers manufacturing defects but does not cover damage caused by misuse, accidents, or unauthorized modifications.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact ZEERKEER customer support. Contact details are usually provided on the product packaging, the official ZEERKEER website, or through your purchase platform. When contacting support, please have your product model (TK901) and purchase information readily available.