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Trak-4 Solar

Trak-4 Solar GPS Tracker Instruction Manual

Model: Solar

INTRODUCTION

The Trak-4 Solar GPS Tracker is a durable, waterproof device designed for reliable tracking of trailers, equipment, vehicles, and other assets. This self-charging tracker utilizes a built-in solar panel to maintain its robust internal battery, offering extended operation without frequent manual recharging. It provides global tracking capabilities with 4G LTE and 2G network fallback, combined with Wi-Fi-based location technology for precise tracking even when GPS signals are limited. This manual provides essential information for setting up, operating, and maintaining your Trak-4 Solar GPS Tracker.



Image: The Trak-4 Solar GPS Tracker, a compact gray device with a solar panel on top.

WHAT'S IN THE BOX

Upon unboxing your Trak-4 Solar GPS Tracker, verify that all components are present:

- Trak-4 Solar GPS Tracker unit

- SIM Card (pre-installed)
- USB Cable (for initial charging or supplemental charging)
- Easy to use instructions (this manual)



Image: The Trak-4 Solar GPS Tracker shown alongside its included USB charging cable.

SETUP

1. **Initial Charging:** Before first use, fully charge the Trak-4 Solar GPS Tracker using the provided USB cable. Connect the cable to the charging port on the device and a standard USB power source. The device is designed to trickle charge via its solar panel, but an initial full charge ensures optimal performance.
2. **Subscription Activation:** A subscription is required for the Trak-4 Solar GPS Tracker to function. Plans start at \$9.99/month paid annually or \$16.99/month for flexible monthly plans. Visit the official Trak-4 website to activate your device and select a subscription plan.
3. **Mounting Options:** The Trak-4 Solar GPS Tracker offers versatile mounting.
 - **Screw Mounts:** For permanent installation, use the integrated screw holes.
 - **Double-Sided Tape:** For versatile surface adhesion, apply strong double-sided tape.
 - **Zip Ties/Straps:** Utilize the built-in slots for securing with zip ties, straps, or harnesses.
 - **Optional Mag Kit:** An optional Trak-4 Mag Kit with high-strength magnets is available for attachment to steel surfaces.



Optional Trak-4 adhesive magnet kit is available on Amazon

Image: The Trak-4 Solar GPS Tracker shown with an optional adhesive magnet kit for secure mounting.

OPERATING INSTRUCTIONS

The Trak-4 Solar GPS Tracker is designed for user-friendly operation through its dedicated smartphone apps (Android, iOS) and web browser interface.

Accessing Your Tracker

- **Smartphone App:** Download the Trak-4 app from your device's app store (Android or iOS). Log in with your activated account credentials.
- **Web Browser:** Access the Trak-4 web interface via any standard web browser on a computer or tablet.

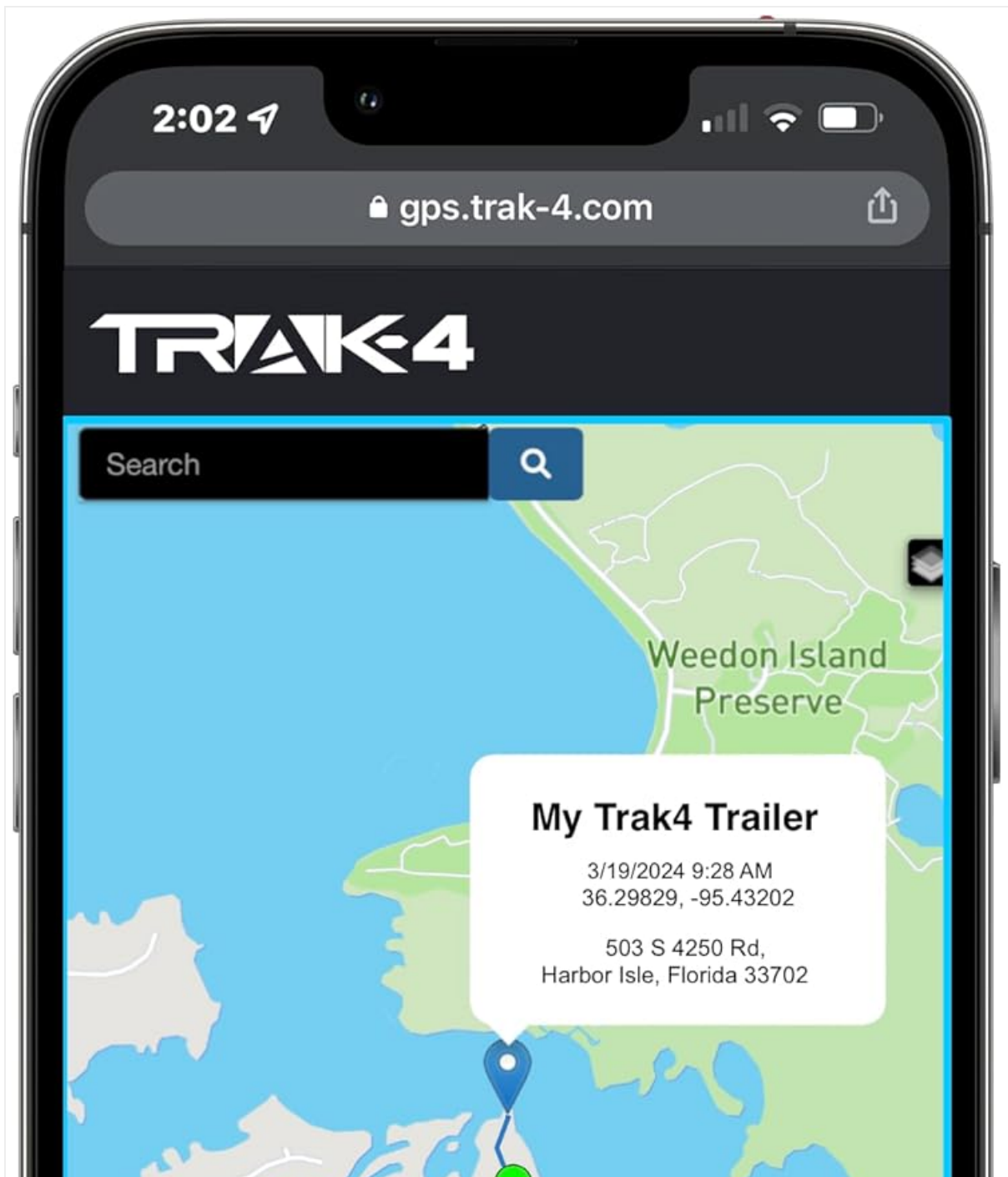
Tracking Features

- **Real-time Location:** View the current location of your tracker on a map.
- **Map History:** Review animated "ant-trails" to see the historical movement and direction of your tracker over time.
- **Ping Rates:** Customize how frequently your tracker reports its location. Choose from daily reporting (when stationary) to every 15 minutes when moving. In-motion ping rates can be set from 1-minute to 1-hour intervals.
- **Daily Check-in:** Your Trak-4 Solar will automatically check-in daily even when not moving, ensuring continuous monitoring.
- **Unlimited Sharing:** Share your device's location in real-time with family, friends, or business associates as needed.

Alerts and Notifications

Configure alerts to receive notifications via email or SMS text message for various events:

- **Geofence Crossings:** Receive alerts when the tracker enters or exits a predefined geographical area.
- **Movement Detection:** Get notified when the tracker begins to move after being stationary.
- **Speed Alerts:** Set thresholds to be alerted if the tracker exceeds a certain speed.
- **Low Battery:** Receive notifications when the device's battery level is low, prompting a recharge.



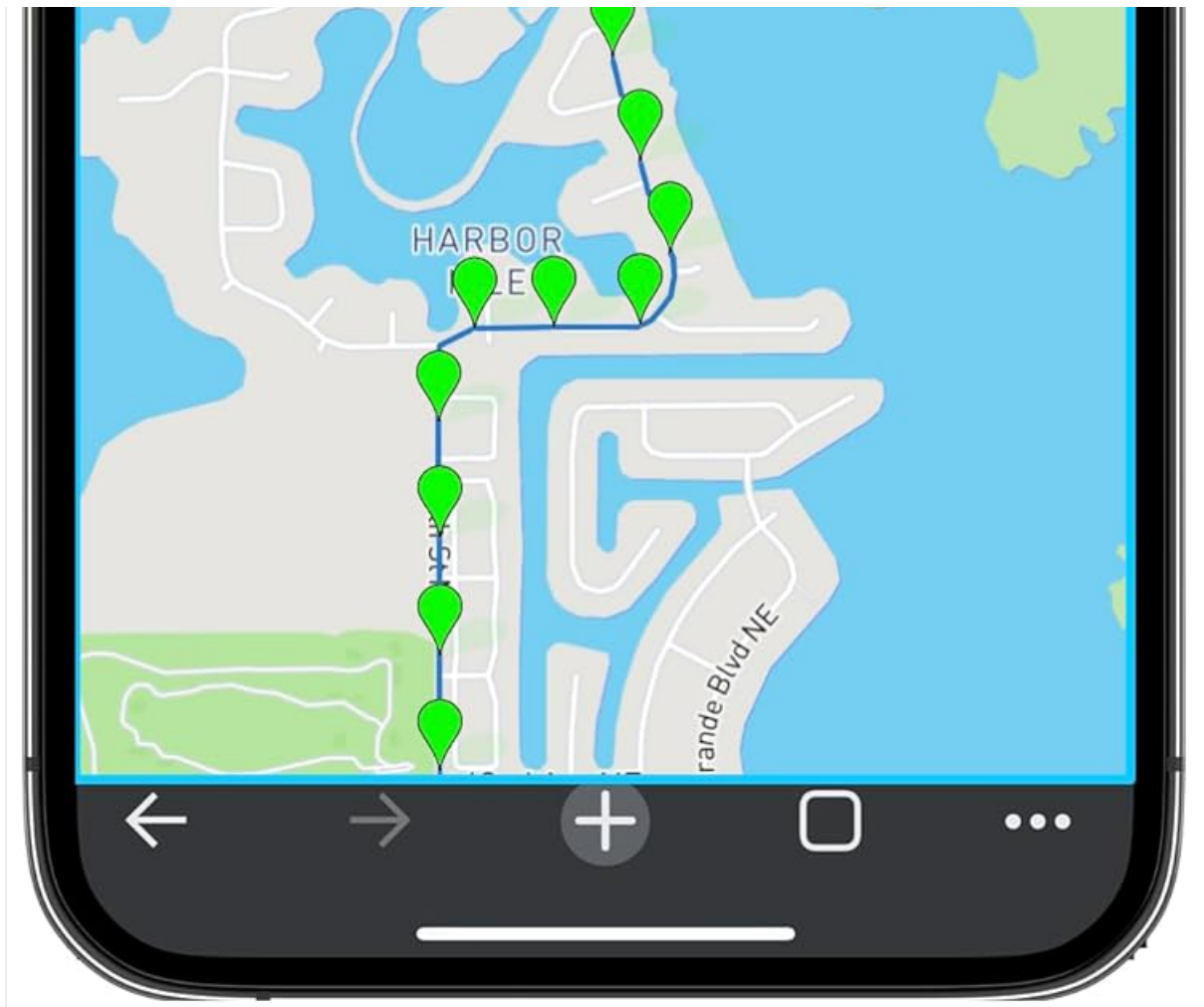


Image: A smartphone screen showing the Trak-4 application with a map displaying a tracked route and location pins.

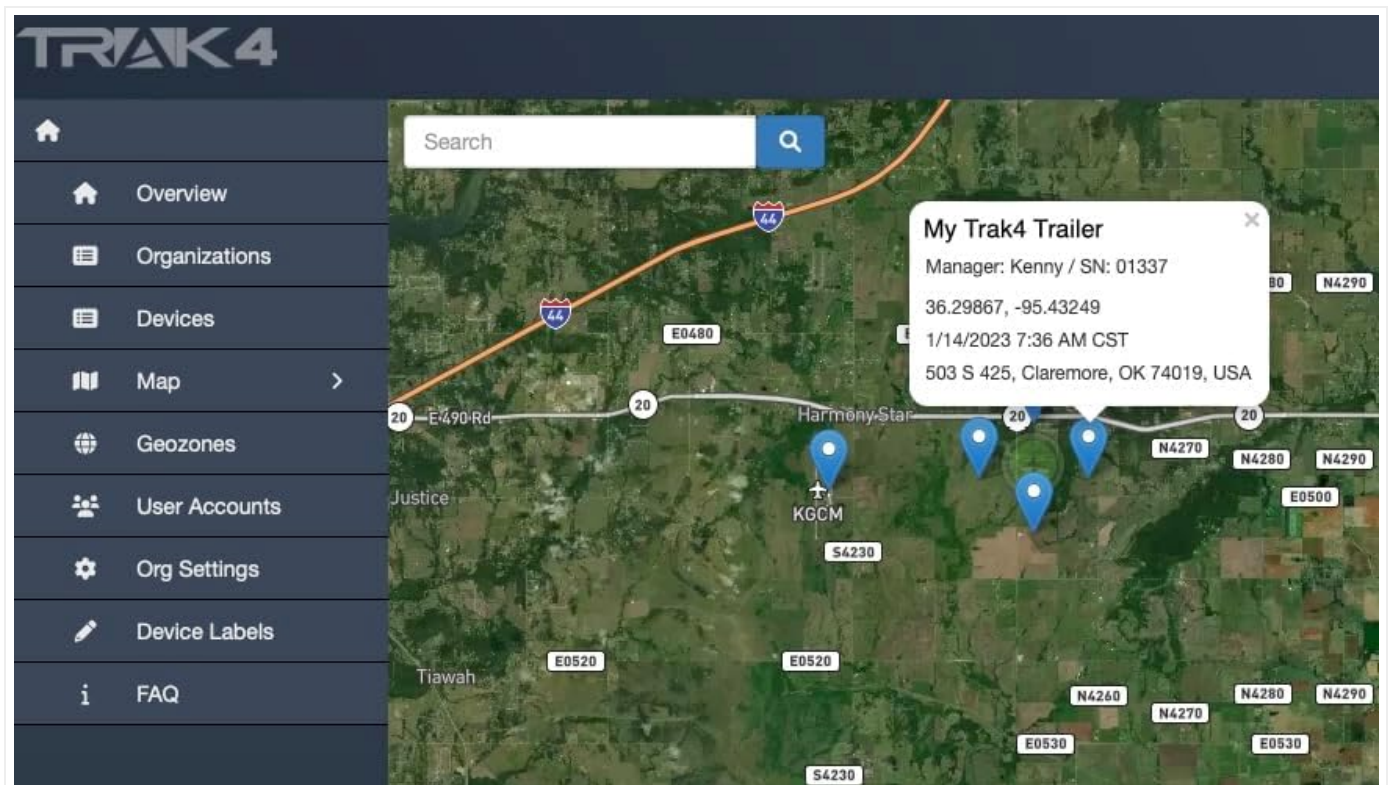


Image: The Trak-4 web interface displayed on a computer screen, showing a map with tracked assets and a navigation menu.

FEATURES

- **Self-Charging Solar Panel:** The integrated solar panel continuously trickle charges the internal battery when exposed to direct sunlight, extending battery life significantly.
- **Extended Battery Life:** The robust internal battery can provide 12-18 months of operation with daily reporting on a single charge, supplemented by solar charging.
- **Global Connectivity:** Operates globally using 4G LTE technology with seamless fallback to 2G networks for consistent connectivity.
- **Precise Location Technology:** Combines GPS and GLONASS satellite systems for accurate outdoor tracking. When GPS signals are unavailable (e.g., indoors), it leverages Wi-Fi-based location technology by detecting nearby Wi-Fi routers' MAC IDs and Google's Wi-Fi database.
- **Durable and Waterproof:** Designed for rugged, all-weather environments, ensuring reliability in various conditions.
- **Compact Design:** Measures 4.6 x 2.3 x 1.3 inches, making it easy to conceal or mount.
- **Versatile Use:** Ideal for tracking a wide range of assets including equipment, tools, trailers, vehicles, and more.



Image: A collage showing various assets like a classic car, construction equipment, a tractor, and a person hiking, illustrating the versatility of the Trak-4 tracker.

MAINTENANCE

- **Solar Panel Cleaning:** Regularly inspect and clean the solar panel surface to ensure maximum sun exposure and efficient charging. Use a soft, damp cloth to remove dirt or debris.
- **Battery Monitoring:** Monitor the battery level through the Trak-4 app or web interface. While solar charging extends life, occasional manual charging via USB may be necessary, especially during prolonged periods without direct sunlight.
- **Firmware Updates:** Ensure your device's firmware is up to date for optimal performance and security. Updates are typically managed automatically or prompted through the Trak-4 platform.
- **Physical Inspection:** Periodically check the device for any physical damage, especially if mounted in exposed environments. Ensure the charging port grommet is securely in place to maintain waterproofing.

TROUBLESHOOTING

If you encounter issues with your Trak-4 Solar GPS Tracker, consider the following common solutions:

- **No Location Data:**
 - Ensure the device is in an area with clear sky view for GPS reception.
 - Verify the device has sufficient battery charge. Fully charge it via USB if needed.
 - Check your subscription status to ensure it is active.
 - Confirm the device is powered on (though Trak-4 devices are typically always on once activated).

- **Inaccurate Location:**

- Location accuracy can vary based on environmental factors (e.g., dense urban areas, indoors, heavy tree cover).
- Ensure the device is not deeply concealed within metal structures that could block signals.
- The device uses Wi-Fi geolocation when GPS is weak, which may have slightly less precision than direct GPS.

- **Battery Draining Quickly:**

- Ensure the solar panel is exposed to direct sunlight for optimal charging.
- Check your ping rate settings. More frequent pings consume more battery. Adjust to a less frequent rate if extended battery life is prioritized.
- If the device is constantly moving, it will report more frequently, consuming more power.

For further assistance, refer to the Trak-4 support website or contact customer service.

SPECIFICATIONS

Brand	Trak-4
Model Number	Solar
Special Features	Built-In Solar Panel, Geo-Fence, Alert Notification, Long Battery Life, Location History, Motion Activation, Anti-Theft
Connectivity Technology	BLE, Bluetooth, Cellular (4G LTE, 2G fallback), GPS, Wi-Fi
Supported Application	Asset Tracking, Logistics, Security, Theft Recovery, Trak4 app and webapp
Specific Uses	Equipment, Tools, Assets, Trailer Tracking, Vehicle Tracking, Trucks, Drivers
Battery Average Life	12-18 months (with daily reporting and solar charging)
Compatible Devices	Android, Browsers, Computer, Tablet, iPhone
Battery Capacity	4000 Milliamp Hours
Item Dimensions	4.6 x 2.3 x 1.3 inches
Item Weight	0.2 Kilograms
Enclosure Material	Plastic
Manufacturer	Trak4 Inc
UPC	719534940750

WARRANTY AND SUPPORT

The Trak-4 Solar GPS Tracker comes with a **lifetime warranty**, ensuring long-term reliability and peace of mind. For any questions, technical support, or warranty claims, please contact Trak-4 customer service through their official website or the contact information provided with your purchase.

Video: An official video from Trak-4, Incorporated, titled "Trak-4 for YOU", showcasing the features and benefits of the Trak-4 GPS tracker.

Duration: 0:18.

