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› NGXDFL Mini GPS Tracker GF-22 User Manual

## NGXDFL GF-22

# NGXDFL Mini GPS Tracker GF-22 User Manual

Brand: NGXDFL | Model: GF-22

## 1. INTRODUCTION AND OVERVIEW

The NGXDFL Mini GPS Tracker GF-22 is a compact and versatile real-time location tracking device designed for enhanced security and peace of mind. Featuring magnetic attachment and global coverage, this device allows you to monitor vehicles, personal belongings, children, pets, and the elderly without the need for a monthly subscription fee for the device itself. Please note that while the device does not require a separate subscription fee from the manufacturer, it operates using cellular technology and therefore requires a compatible Nano SIM card with an active data plan from a cellular provider to enable real-time tracking and communication features.

## 2. PRODUCT FEATURES

- **Real-Time Tracking:** Provides continuous, accurate location updates.
- **Magnetic Attachment:** Strong magnetic base allows for easy and secure placement on metallic surfaces.
- **Global Coverage:** Operates in over 180 countries via cellular networks (requires local SIM card with data plan).
- **Multiple Positioning Accuracy:** Utilizes GPS, Wi-Fi, and LBS (Location Based Service) for precise positioning in various environments.
- **Electronic Fence Alarm (Geo-fencing):** Define safe zones and receive alerts when the tracker enters or exits these areas.
- **Multi-Vehicle Localization:** Track multiple devices or items simultaneously through the dedicated application.
- **High-Definition Street Maps:** View detailed street maps within the tracking application for easy navigation.
- **Car Theft Prevention:** Receive alerts if your vehicle moves unexpectedly.
- **SOS Functionality:** A dedicated SOS button for emergency alerts.

# POWERFUL MAGNET

Attach the GPS to the bottom of vehicle

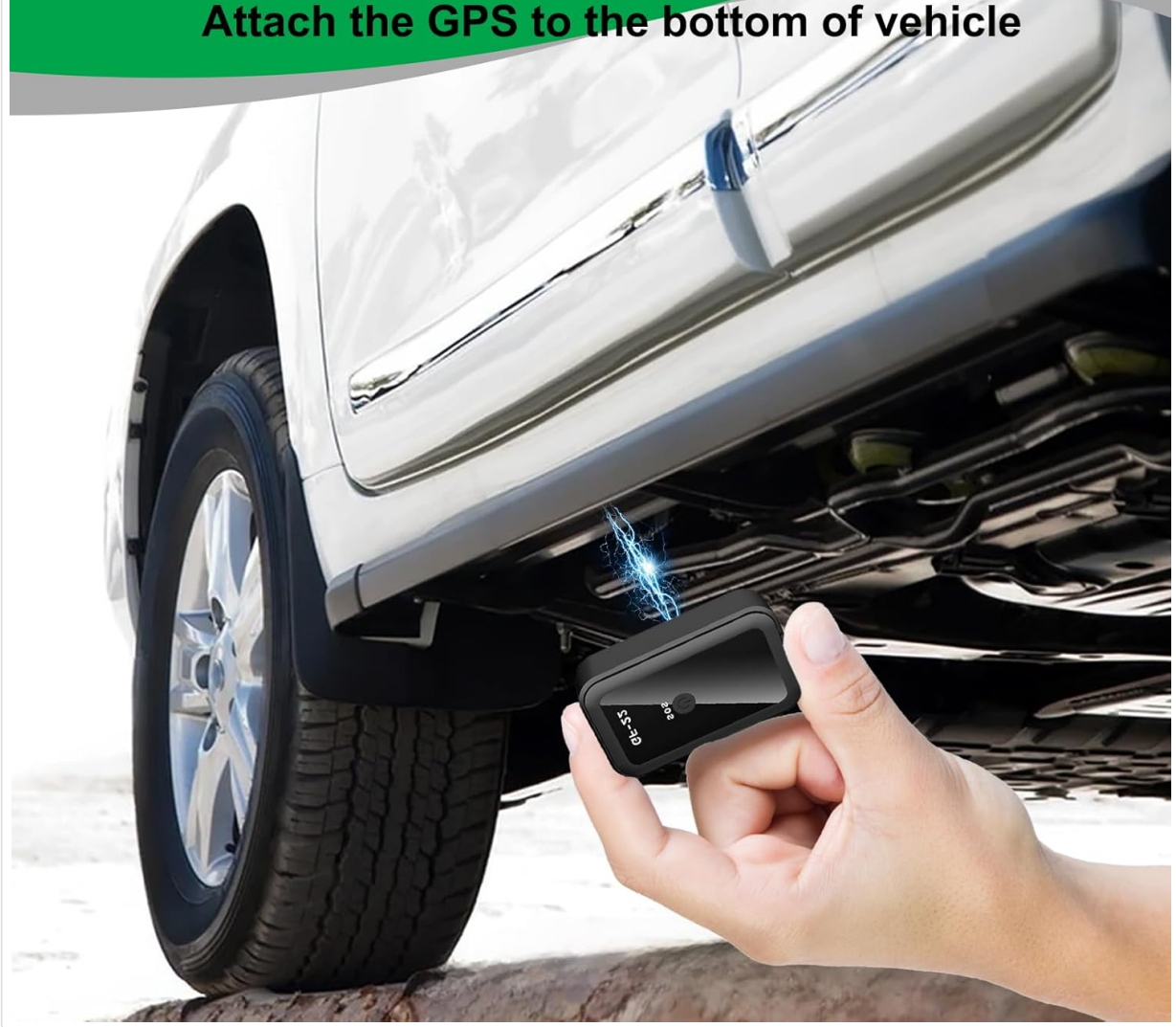


Figure 2.1: Magnetic attachment for discreet placement.

# ELECTRONIC FENCE ALARM

Define a fenced area for the vehicle and immediately send a reminder message to the cell phone when the vehicle enters or leaves the fenced area

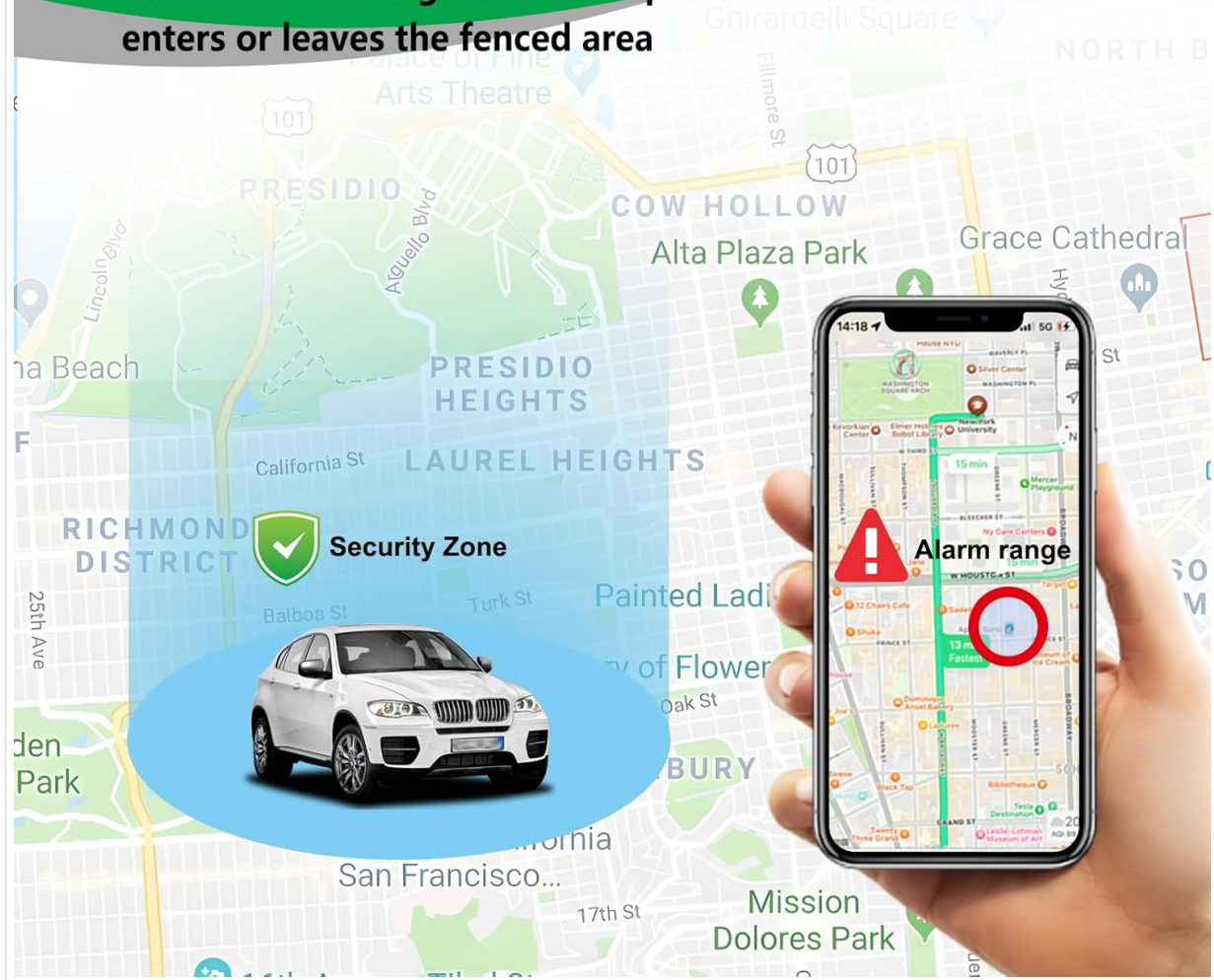
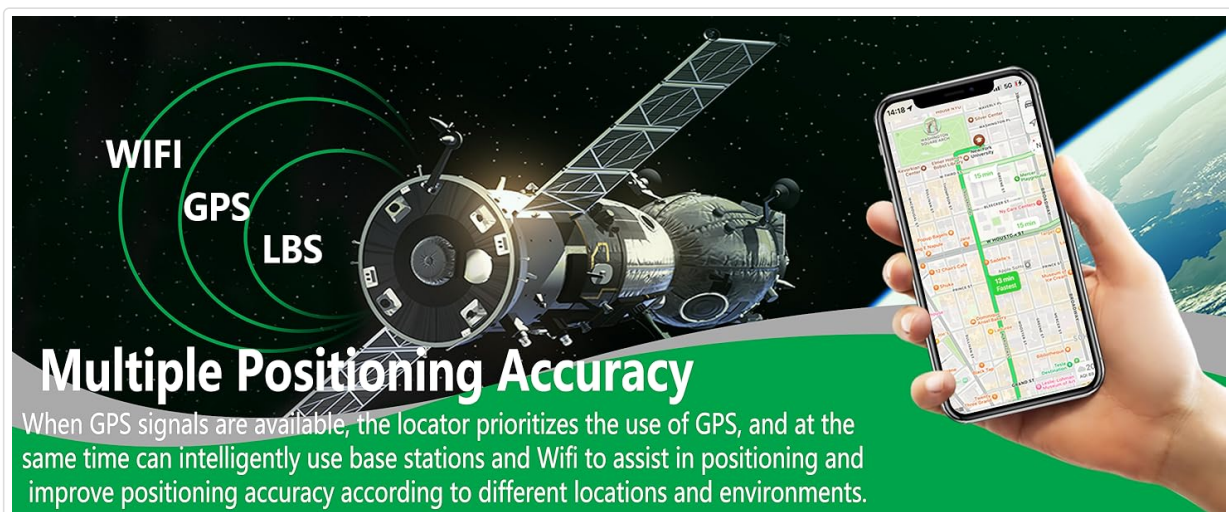


Figure 2.2: Electronic Fence Alarm feature on the mobile application.



## Multiple Positioning Accuracy

When GPS signals are available, the locator prioritizes the use of GPS, and at the same time can intelligently use base stations and Wifi to assist in positioning and improve positioning accuracy according to different locations and environments.

Figure 2.3: Multiple Positioning Accuracy using GPS, Wi-Fi, and LBS.

### 3. WHAT'S IN THE BOX

- NGXDFL Mini GPS Tracker GF-22

- USB Charging Cable
  - User Manual
  - Mini Screwdriver (for SIM card replacement)
  - Silicone Protective Case
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## **4. SETUP INSTRUCTIONS**

### **4.1 SIM Card Installation and Activation**

1. Acquire a Nano SIM card with an active data plan from your preferred cellular provider. Ensure the SIM card supports 2G/4G networks for optimal performance.
2. Locate the SIM card slot on the side of the GF-22 tracker.
3. Using the provided mini screwdriver, carefully open the SIM card slot cover.
4. Insert the Nano SIM card into the slot with the metal contacts facing down, ensuring it is correctly oriented.
5. Close the SIM card slot cover securely.
6. Power on the device by pressing and holding the power button until indicator lights appear.

### **4.2 Mobile Application Download and Account Setup**

1. Scan the QR code provided in the User Manual or search for the official tracking application (e.g., 'Tracki' or similar, as indicated in the manual) on your smartphone's app store (App Store for iOS, Google Play Store for Android).
2. Download and install the application.
3. Open the application and follow the on-screen instructions to create a new user account. This typically involves providing an email address and setting a password.
4. Add your GF-22 tracker to your account by entering its unique device ID (usually found on the device itself or its packaging) or by scanning a QR code if available.

### **4.3 Device Placement**

The GF-22 tracker features a strong magnetic base for easy and discreet attachment. For optimal GPS signal reception, place the device in a location with minimal metallic obstruction above it. Common placement areas include:

- Underneath a vehicle (attached to the chassis or frame).
- Inside a vehicle's glove compartment or under a seat.
- Attached to metal surfaces on valuable assets.

# MULTI-VEHICLE LOCALIZATION

GPS locator can be bound to multiple vehicles or items at the same time, any place, any number of real-time grasp of the movements of multiple items, all-round protection of your property security



Figure 4.1: Versatile placement for various tracking needs.

## 5. OPERATING INSTRUCTIONS

### 5.1 Real-Time Tracking

Once the device is set up and connected to the application, you can view its real-time location on the map interface. The map will display the current position of the tracker, often with details such as speed, direction, and battery status.

### 5.2 Geo-fencing (Electronic Fence Alarm)

1. In the application, navigate to the Geo-fence or Electronic Fence Alarm settings.
2. Define a specific area on the map by drawing a polygon or circle.
3. Set up notifications to receive alerts (e.g., push notifications, SMS) when the tracker enters or exits this defined area.

### 5.3 Alerts and Notifications

The application allows you to configure various alerts to suit your tracking needs:

- **Speed Alert:** Receive notifications if the tracker exceeds a set speed limit.
- **Impact Detection:** Get alerts if the device detects a sudden impact or collision.

- **Rapid Acceleration/Hard Braking:** Monitor driving behavior for sudden acceleration or harsh braking.
- **Curfew Alert:** Set specific times and receive alerts if the tracker is active outside these hours.
- **Trip Start/End:** Get notifications when a trip begins or ends.
- **SOS Alert:** When the SOS button on the device is pressed, it sends an emergency alert to pre-configured contacts.

## 5.4 Location History

The application stores the device's location history, allowing you to review past routes and movements. You can typically select a date range to view the historical data on the map.

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# 6. MAINTENANCE

## 6.1 Charging the Device

The GF-22 tracker is equipped with a rechargeable battery. To charge:

1. Locate the Micro-USB charging port on the device.
2. Connect the provided USB charging cable to the device and a compatible USB power source (e.g., wall adapter, computer USB port).
3. The indicator light on the device will typically show charging status (e.g., solid red for charging, green for fully charged).

## 6.2 Battery Life Optimization

The battery life of your GF-22 tracker depends on several factors, primarily the frequency of location updates. To optimize battery life:

- Adjust the update frequency in the application settings. Less frequent updates (e.g., every 10 minutes instead of every 1 minute) will significantly extend battery life.
  - Utilize Battery Saver Mode if available in the app, which typically updates location less frequently when the device is stationary.
  - Ensure the device is fully charged before long periods of use.
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# 7. TROUBLESHOOTING

- **Device not powering on:** Ensure the device is fully charged. Try connecting it to a power source.
- **No location updates/Inaccurate location:**
  - Check if the SIM card is correctly installed and has an active data plan.
  - Ensure the device is in an area with good cellular network coverage.
  - Move the device to an open area to improve GPS signal reception.
  - Verify that the device is properly added and configured in the mobile application.
- **Battery drains quickly:**
  - Reduce the frequency of location updates in the app settings.
  - Ensure the device is not constantly searching for a signal in areas with poor coverage.
- **Device not connecting to app:**
  - Restart the device and the mobile application.

- Check your smartphone's internet connection.
- Confirm the device's SIM card has an active data plan.

## 8. SPECIFICATIONS

- **Model:** GF-22
- **Dimensions:** 43mm x 26mm x 15mm (1.69 x 1.02 x 0.59 inches)
- **Weight:** 23g (0.81 ounces)
- **Battery Capacity:** 500mAh
- **Connectivity:** Cellular (requires Nano SIM with data plan)
- **Positioning:** GPS, Wi-Fi, LBS
- **Special Features:** Magnetic, Real-Time Tracking, SOS, Geo-fencing, Impact Detection



Figure 8.1: Product dimensions and specifications.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your NGXDFL Mini GPS Tracker GF-22, please refer to the contact details provided in the product packaging or visit the official NGXDFL website.

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