BAANOOL BN-405A (2G/3G/4G)

BAANOOL BN-405A Car GPS Tracker User Manual

Model: BN-405A (2G/3G/4G)

1. INTRODUCTION

The BAANOOL BN-405A Car GPS Tracker is a versatile device designed for real-time vehicle tracking and fleet management. It offers a range of features including remote engine cut-off, various alarm functions, and a free web platform/mobile application for monitoring. This manual provides detailed instructions for setting up, operating, and maintaining your GPS tracker.
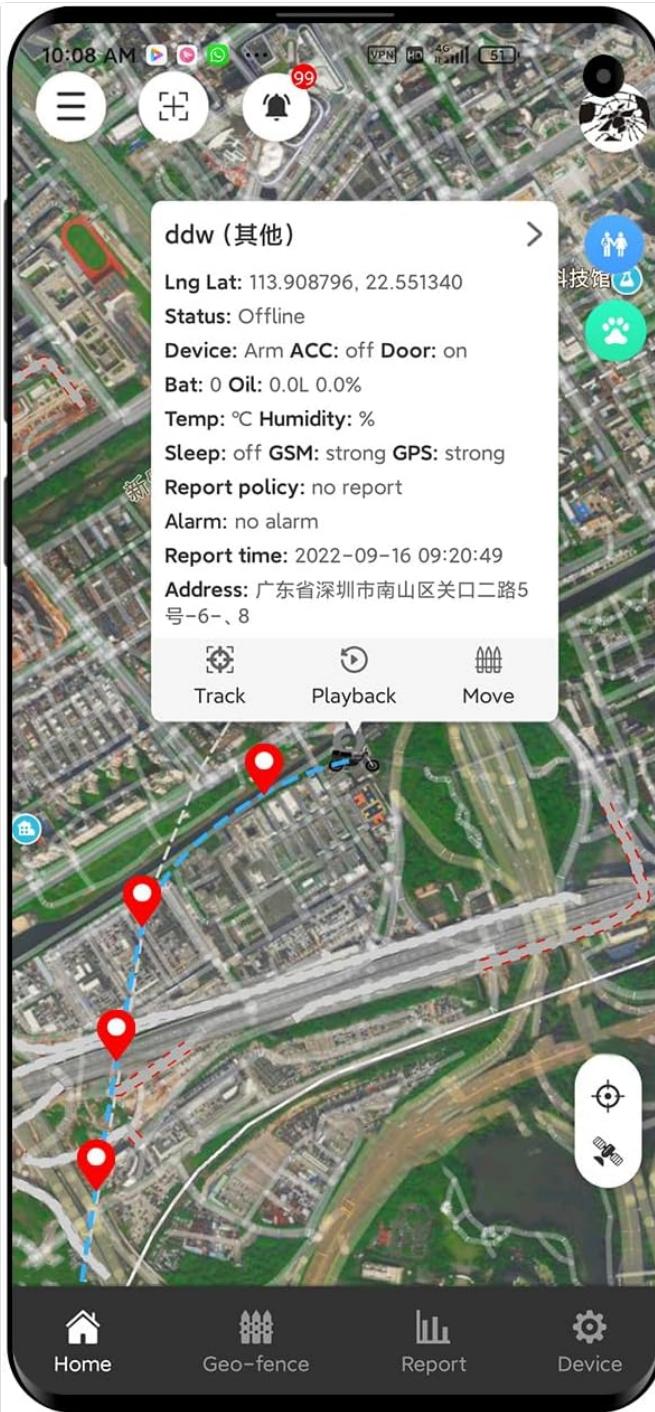
Image: BAANOOL BN-405A GPS Tracker shown alongside its mobile application interface, displaying real-time tracking on a map.

The 405A/B tracker can be used in various vehicles

It will protect your car and help you manage the fleet.

Image: The BN-405A/B tracker is compatible with various vehicles, including trucks, cars, buses, and police vehicles, for comprehensive fleet protection and management.

2. WHAT'S IN THE BOX

Upon unboxing your BN-405A GPS Tracker, please verify that all the following components are included:

- GPS Unit (BN-405A)
- Harness (Wiring)
- Relay
- Microphone (for listening function)
- USB Cable
- Charger
- User Manual
- SIM Card (**not included** - must be purchased separately)
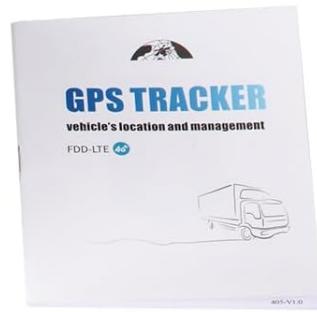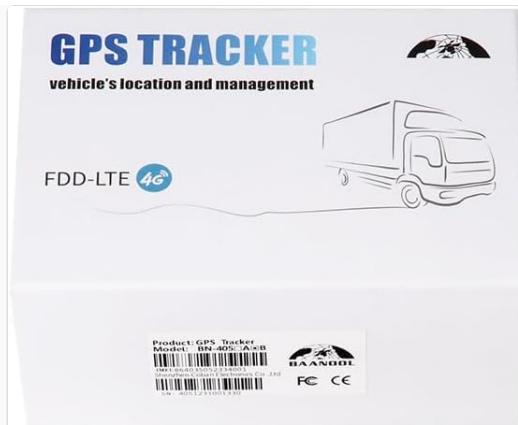
Image: A visual representation of the package contents, including the gift box, user manual, wiring harness, relay, the GPS unit itself, and an external microphone.

3. SETUP AND INSTALLATION

3.1 SIM Card Requirement

The BN-405A GPS tracker requires a SIM card for operation. The SIM card is not included in the package and must be purchased separately. Ensure the SIM card supports 2G/3G/4G networks for optimal compatibility.

3.2 Device Installation

The BN-405A GPS tracker should be connected to the vehicle's on-board power supply. It is compatible with various fuel cars, trucks, and motorcycles. If you are unfamiliar with vehicle electrical systems, it is highly recommended to seek assistance from a qualified engineer or professional installer to ensure correct and safe installation.

If you don't know how to install this tracker, please find an engineer's help.

You will need to insert a SIM card to use the 405 tracker. (A SIM card isn't included in the package)

2G/3G/4G | Free APP/ Platform | Cut off the Engine | Real-Time Positioning | SOS Button | Anti-Theft Alarm | Listening | GEO-Fence | Remote (for 405B)

Image: The BN-405A GPS tracker with icons representing its features (2G/3G/4G, Free APP/Platform, Cut off Engine, Real-Time Positioning, SOS Button, Anti-Theft Alarm, Listening, GEO-Fence, Remote for 405B), highlighting the need for professional installation if unsure.

3.3 Application Download

To manage and monitor your GPS tracker, download the official "BAANOOL IOT" application. It is available on both the Apple App Store and Google Play Store. A free web platform is also provided for access via a web browser.

Free APP and web platform(Please consult the user manual)

Download APP on the Apple Store or Google Play Store

◆ APP Name: BAANOOL IOT
◆ Working Network: 2G/3G/4G
◆ Accurate positioning/Waterproof
◆ Application: Vehicles/Cars/Fleets/Motorcycles/Trucks/Taxis
◆ Cut off the engine remotely
◆ Built-in GPS/GSM antennas
◆ Listening(The microphone is included)
◆ Remote control: for BN-405B

You'll need to buy a SIM card to use this tracker

Multiple Alert Functions: Overspeed Alarm/GEO-Fence/Low Battery Alarm
Power Disconnection Alarm/Blind Area Alarm/SOS Alarm/Movement Alarm

Please refer to the manual for more functions.

Image: Key features of the BAANOOL IOT app and web platform, including network compatibility (2G/3G/4G), accurate positioning, waterproof design, application for various vehicles, remote engine cut-off, built-in antennas, listening function (microphone included), and remote control (for 405B model). It also reiterates the need for a SIM card and lists multiple alert functions.

4. OPERATING INSTRUCTIONS

4.1 Real-Time Tracking and Platform Usage

Once installed and configured with a SIM card, your BN-405A tracker will transmit location data to the BAANOOL IOT platform. You can access this data via the mobile app or web platform to view your vehicle's real-time location, historical routes, and manage various settings.

- **Real-Time Positioning:** View the current location of your vehicle on a map.
- **Historical Playback:** Review past routes and stops of your vehicle.
- **Multi-Language Support:** The platform supports multiple languages for user convenience.

The 405 tracker can be used in many countries, US, Canada, Mexico, Latin America, etc.

Image: A diagram illustrating the cost-free nature of the BAANOOL IOT platform, emphasizing "Free APP & Web Platform," "No Monthly Fee," and "No Subscription Fee."
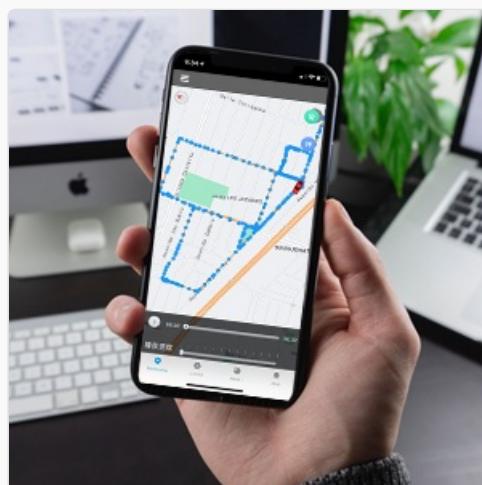

Image: A hand holding a smartphone showing the BAANOOL IOT application with a map displaying a tracked route, indicating real-time tracking capabilities.

4.2 Key Functions and Alarms

The BN-405A tracker offers a variety of functions to enhance vehicle security and management:

- **Cut Off Engine Remotely:** In case of theft or unauthorized use, you can remotely disable the vehicle's engine via the app or platform.
- **Over Speed Alarm:** Receive alerts if the vehicle exceeds a predefined speed limit.
- **GEO-Fence:** Set up virtual boundaries. You will be notified when the vehicle enters or exits these designated areas.
- **Motion Alarm:** Get alerts if the vehicle moves unexpectedly.
- **Low Battery Alarm:** Notification when the tracker's internal battery is low.
- **Power Disconnection Alarm:** Alerts if the tracker's main power supply is cut.
- **SOS Alarm:** (If connected to an SOS button) Triggers an alert in emergency situations.
- **Listening Function:** Utilize the included microphone to listen to the surroundings of the tracker.

Image: A smartphone screen showing a map with a "Safe area" defined by a blue circle, and a red alarm icon indicating a vehicle has moved outside this geo-fenced zone, triggering an alarm.

5. MAINTENANCE

The BN-405A GPS tracker is designed for durability, including a waterproof feature. To ensure its longevity and optimal performance:

- Keep the device clean and free from dust and debris.
- Ensure all connections are secure and free from corrosion.
- Avoid exposing the device to extreme temperatures beyond its operating range.
- Regularly check the SIM card for proper insertion and functionality.

6. TROUBLESHOOTING

If you encounter issues with your BN-405A GPS tracker, consider the following common solutions:

- **Device Offline:**
    - Check if the SIM card has sufficient credit or data plan.
    - Verify network coverage in the device's location.
    - Ensure the device is properly powered and connected to the vehicle's electrical system.
    - Restart the device if possible (by disconnecting and reconnecting power).

- **Inaccurate Positioning:**
    - Ensure the device has a clear line of sight to the sky for GPS signal reception. Avoid installation in enclosed metal areas.
    - Verify the SIM card's data connection is stable.

- **No Response to SMS Commands:**
    - Confirm the SIM card in the tracker has active mobile credit for SMS.
    - Ensure the correct command format is used as per the detailed user manual.

- **App/Platform Issues:**
    - Check your internet connection.
    - Ensure you are using the latest version of the "BAANOOL IOT" app.
    - Clear app cache or reinstall the app if necessary.

For persistent issues, please refer to the "Service and Support" section for contact information.

7. Specifications

Detailed technical specifications for the BN-405A GPS Tracker:

Image: The physical dimensions of the BN-405A GPS tracker, measuring 3.8 inches in length, 2.1 inches in width, and 0.7 inches in thickness.

Image: A comprehensive table outlining the GPS specifications for models 405A/B, including physical dimensions, weight, supported network bands, GPS sensitivity and accuracy, time to first fix, compatible car power voltage, battery details, operating and storage temperature ranges, humidity, and a list of standard package contents.

Specification	Value
Model	BN-405A (2G/3G/4G)
Product Dimensions	3.78 x 2.09 x 0.71 inches
Item Weight	10.6 ounces
Batteries	1 Lithium Ion battery (included)
Connectivity Technology	Cellular
Special Feature	Waterproof
Supported Application	Alarm
Specific Uses For Product	Vehicle Tracking, Fleet Management
Manufacturer	BAANOOL
Country of Origin	China
Date First Available	May 9, 2023

8. WARRANTY AND SUPPORT

BAANOOL is committed to providing high-quality products and excellent customer service.

- **Warranty:** BAANOOL GPS trackers come with a 15-month warranty.
- **After-Service:** As an original manufacturer, BAANOOL provides complete after-service support.
- **Contact Support:** If you encounter any problems with your device, please contact BAANOOL customer service to acquire a perfect solution.

Related Documents - BN-405A (2G/3G/4G)

GPS Tracker User Manual	**[BAANOOL GPS Tracker Model 407 User Manual](#)** Comprehensive user manual for the BAANOOL GPS Tracker Model 407, covering specifications, installation, hardware description, mobile app usage, web version, positioning strategies, SMS functions, troubleshooting, and cautions.
Pet GPS Tracker User Manual	**[Pet GPS Tracker User Manual - GPS-201/BN-201](#)** User manual for the BAANOOL Pet GPS Tracker (Model GPS-201/BN-201) by SHENZHEN COBAN ELECTRONICS CO., LTD. Learn about hardware, specifications, SIM card insertion, status indicators, configuration, app usage, and features like tracking, listening, and geo-fencing.
GSM/GPRS/GPS Tracker User Manual	**[GSM/GPRS/GPS Tracker User Manual - BAANOOL](#)** Comprehensive user manual for the BAANOOL GSM/GPRS/GPS Tracker, detailing installation, setup, features, functions, and troubleshooting for vehicle tracking and security.
Portable GPS Tracker User Manual	**[Portable GPS Tracker User Manual - BAANOOL 408](#)** Comprehensive user manual for the BAANOOL Portable GPS Tracker (Model 408/408B). Covers specifications, hardware details, installation, app/web/SMS operation, positioning strategies, alarms, and troubleshooting. Learn how to set up and manage your device for optimal tracking and security.
GPS Tracker User Manual	**[BAANOOL 303FG GPS Tracker User Manual](#)** Comprehensive user manual for the BAANOOL 303FG GPS Tracker, covering specifications, hardware description, installation, device status, mobile app, web version, SMS functions, and troubleshooting.

GSM/GPRS/GPS Portable Tracker User Manual

Preface

Thank you for purchasing the tracker. This manual shows how to operate the device smoothly and correctly. Make sure to read this manual carefully before using this product. Please note that specification and information are subject to changes without prior notice in this manual. Any change will be integrated in the latest release. The manufacturer assumes no responsibility for any errors or omissions in this document.

[GSM/GPRS/GPS Portable Tracker User Manual](#)

User manual for the GSM/GPRS/GPS Portable Tracker, detailing its features, specifications, setup, functions, and troubleshooting.