BAANOOL BAANOOL-103A (2G)

BAANOOL TK103 A/B 2G GPS Tracker User Manual

Model: TK103A

INTRODUCTION

The BAANOOL TK103 A/B GPS Tracker is a compact and efficient device designed for real-time tracking and monitoring of vehicles. This manual provides essential information for the proper setup, operation, and maintenance of your TK103A GPS tracker, ensuring optimal performance and longevity.
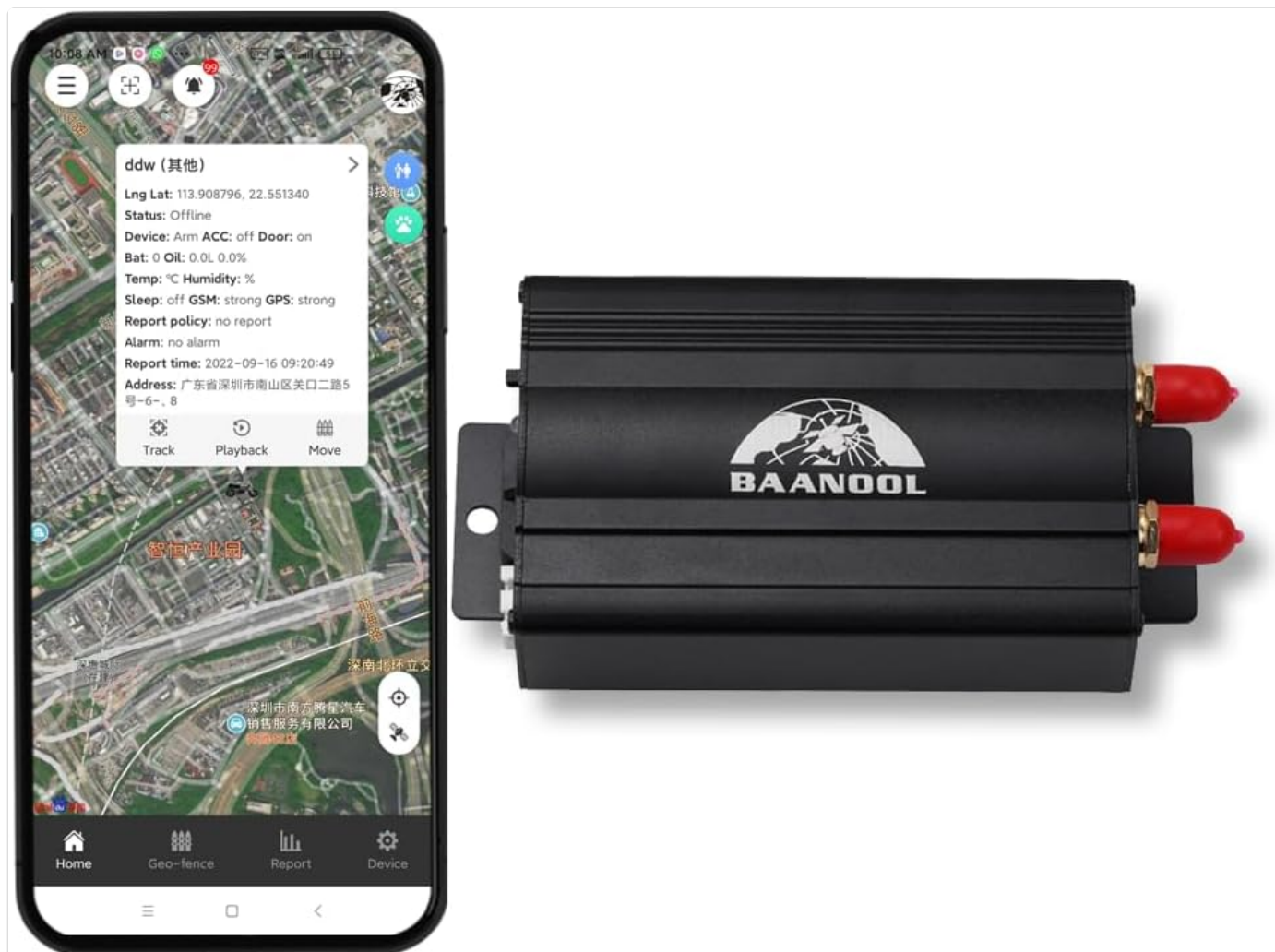

Image: The BAANOOL TK103A GPS Tracker shown alongside a smartphone running the dedicated tracking application, illustrating the device's compact size and its digital interface.

PRODUCT FEATURES

- **Real-time Tracking:** Utilizes GPS satellites for accurate, real-time location tracking.

- **2G Network Support:** Operates on a 2G network, compatible with various fuel cars.

- **Multiple Alert Functions:** Includes overspeed alarm, GEO-fence, low battery alarm, power disconnection alarm, blind area alarm, SOS alarm, and movement alarm.

- **Remote Control Capabilities:** Features such as remote engine cut-off and historical playback. The TK103B model includes a remote controller.

- **Free Platform & APP:** Access to a free web platform and multi-language mobile application (BAANOOL IOT) for device management.

- **External Antennas:** Equipped with external GPS/GSM antennas for improved signal reception.

- **Monitoring:** Includes a microphone for audio monitoring.

Image: A visual summary of the BAANOOL TK103A's key features, including network compatibility, positioning accuracy, application types, and various alert functions.

SETUP GUIDE

Follow these steps to set up your BAANOOL TK103A GPS Tracker:

1. **SIM Card Installation:** A SIM card is required for the tracker to function. Ensure the SIM card has 2G network compatibility and sufficient data/credit. Insert the SIM card into the designated slot on the device.

2. **Power Connection:** The TK103A/B GPS tracker must be installed to the on-board power supply of your vehicle. It is compatible with various fuel cars. Professional installation is recommended to ensure correct wiring and prevent damage.

3. **Antenna Placement:** Connect the external GPS and GSM antennas. Position them in a location with good signal reception, away from metal obstructions.

4. **App Download:** Download the "BAANOOL IOT" application from the Apple App Store or Google Play Store on your smartphone.

5. **Device Activation:** Follow the instructions within the BAANOOL IOT app or web platform to register and activate your device. You will typically need the device's unique ID.

Packing List

Ensure all components are present in the package:

Image: An illustration of the BAANOOL TK103A packing list, showing the gift box, manual, GPS unit, relay, harness, GSM antenna, GPS antenna, and microphone.

1. Giftbox

2. Manual

3. GPS unit (TK103A)

4. Relay

5. Harness

6. GSM antenna

7. GPS antenna

8. Microphone

OPERATING INSTRUCTIONS

Once installed and activated, you can operate your TK103A GPS tracker using the dedicated mobile application or web platform.

Using the BAANOOL IOT App/Web Platform

- **Real-time Tracking:** Log in to the app or web platform to view the current location of your vehicle on a map. The platform provides accurate, real-time positioning.

- **Historical Playback:** Access past travel routes and data to review vehicle history.

- **Geo-fence Setup:** Define virtual boundaries (geo-fences) on the map. You will receive alerts if the vehicle enters or exits these predefined areas.

- **Remote Engine Cut-off:** In emergency situations, you can remotely cut off the engine via the platform (ensure this feature is used responsibly and legally).

- **Alert Management:** Configure and receive various alerts, including overspeed, low battery, power disconnection, and movement alarms.

- **SMS Control:** Devices can also be controlled via SMS commands for certain functions. Refer to the full user manual for a list of SMS commands.
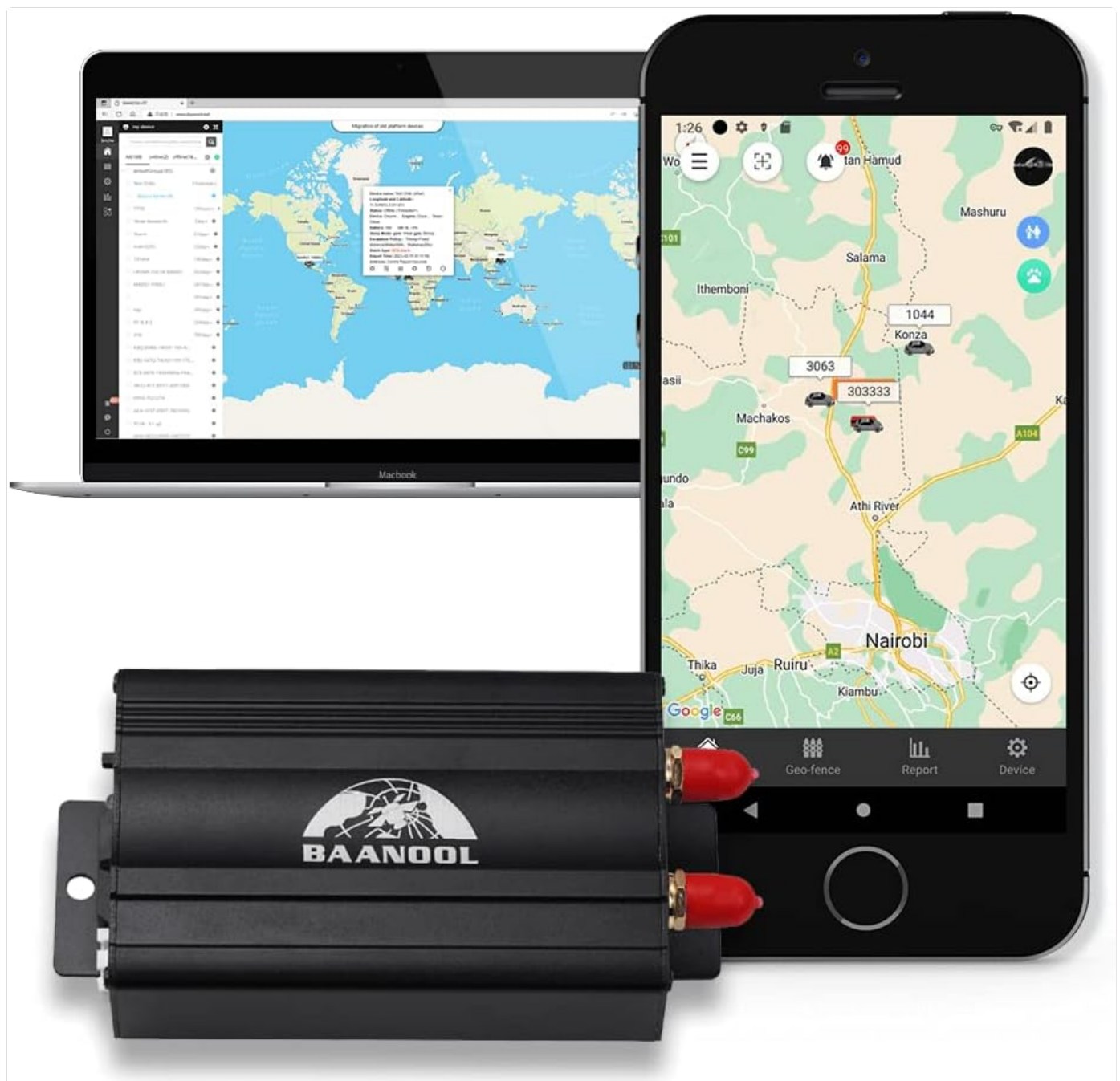

Image: The BAANOOL TK103A GPS Tracker demonstrating its connectivity with both a laptop and a smartphone, showcasing its versatile tracking capabilities across different devices.

Applications

The BAANOOL TK103A GPS Tracker is suitable for a wide range of vehicles:

Image: A visual representation of the diverse applications for the TK103A GPS tracker, including cars, electric vehicles, trucks, taxis, and buses.

MAINTENANCE

To ensure the longevity and optimal performance of your BAANOOL TK103A GPS Tracker, observe the following maintenance guidelines:

- **Water Exposure:** *Important:* The TK103 A/B tracker is **not waterproof**. Do not expose it to water or place it in wet environments. Protect it from rain, splashes, and high humidity.

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using harsh chemicals or abrasive cleaners.

- **Temperature:** Store and operate the device within recommended temperature ranges to prevent damage to internal components.

- **Antenna Care:** Ensure external antennas are securely connected and not damaged. Avoid bending or crimping the antenna cables.

TROUBLESHOOTING

If you encounter issues with your BAANOOL TK103A GPS Tracker, consider the following general advice:

- **No Signal/Offline:** Check SIM card installation, ensure the SIM card has active service (data/credit), and verify that the device is in an area with 2G network coverage. Ensure antennas are properly connected and placed in a good signal area.

- **Inaccurate Location:** Ensure the GPS antenna has a clear view of the sky. Obstructions like buildings or dense foliage can affect GPS accuracy.

- **Device Not Responding:** Check the power connection to ensure the device is receiving power. If issues persist, try restarting the device by disconnecting and reconnecting power (if safe to do so).

- **App/Platform Issues:** Ensure your smartphone has a stable internet connection. Try clearing the app cache or reinstalling the app. For web platform issues, try a different browser or clear browser cache.

For persistent problems or issues not covered here, please contact BAANOOL customer support for assistance.

SPECIFICATIONS

Image: Detailed dimensions of the BAANOOL TK103A GPS Tracker, indicating its compact size.

Feature	Detail
Brand	BAANOOL
Model	BAANOOL-103A (2G)

Feature	Detail
Connectivity Technology	Cellular (2G Network)
Compatible Devices	Smartphone
Power Source	On-board vehicle power supply
Battery Type	Lithium-Polymer (internal, included)
Product Dimensions (L x W x H)	8.3 x 5.4 x 2.6 cm
Item Weight	410 g
Special Feature	*Note:* While some listings may indicate "Waterproof", the manufacturer's feature bullet explicitly states "the TK103 A/B tracker isn't waterproof, don't put it on wet place." Please adhere to this warning.
Supported Application	Alarm, Tracking via BAANOOL IOT App/Web Platform

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 from the date of purchase.
- **After-Service:** As an original manufacturer, BAANOOL provides comprehensive after-sales support.
- **Contact Support:** If you experience any issues with your device or require technical assistance, please contact BAANOOL customer service to receive a perfect solution. Refer to the product packaging or official BAANOOL website for contact details.

Related Documents

	[Portable GPS Tracker User Manual](#) User manual for the Portable GPS Tracker, detailing its specifications, hardware description, installation, operation via mobile app and web platform, SMS functions, and troubleshooting.
	[GPS Tracker User Manual - Model 401](#) User manual for the GPS Tracker Model 401, detailing its specifications, installation, device status lights, mobile app and web platform usage, function details, remote controller operations, SMS commands, and troubleshooting.