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## AMERICALOC STX

# Americoloc STX Wired GPS Tracker User Manual

Model: STX

## 1. INTRODUCTION

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Welcome to the Americoloc STX Wired GPS Tracker user manual. This document provides comprehensive instructions for the proper installation, setup, and operation of your new GPS tracking device. Please read this manual carefully before using the product to ensure optimal performance and to understand all available features. Keep this manual for future reference.

## 2. PRODUCT FEATURES

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The Americoloc STX Wired GPS Tracker is designed to provide reliable and detailed vehicle tracking. Key features include:

- **Real-time Tracking:** Monitor your vehicle's location with updates every 10, 20, or 30 seconds while moving and at every turn.
- **Tracking History:** Access detailed historical data combining traveled distance, corner turns, and time intervals.
- **Comprehensive Alerts:** Receive notifications for motion, stops, speeding, ignition on/off, geofence breaches, harsh driving, and power status changes.
- **Wide Compatibility:** Works with cars, vans, motorcycles, boats, and other 8–40V vehicles.
- **Easy Installation:** Simple 2-wire DIY installation.
- **Multi-platform Access:** Monitor via computer, tablet, phone, or dedicated Android/iOS app.
- **Internal Backup Battery:** Maintains signal even if main power is disconnected.

## 3. PACKAGE CONTENTS

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Upon opening your Americoloc STX package, please verify that all the following items are included:

- Americoloc STX GPS Tracker Unit
- Wiring Cable with Fuse
- SIM Card (pre-installed or included separately)

## 4. INSTALLATION GUIDE

The Americaloc STX tracker features a straightforward 2-wire installation process. It can be connected directly to your vehicle's battery or to another suitable power source within the vehicle. The device operates on 8-40V DC.

### 4.1 Wiring Instructions

1. **Identify Power Sources:** Locate your vehicle's battery. The red wire from the tracker connects to the positive (+) terminal, and the black wire connects to the negative (-) terminal.
2. **Connect Red Wire:** Securely connect the red wire of the tracker to the positive (+) terminal of the vehicle's battery or a constant 8-40V power source. Ensure the connection is tight and protected.
3. **Connect Black Wire:** Securely connect the black wire of the tracker to the negative (-) terminal of the vehicle's battery or a reliable ground point. Ensure the connection is tight.
4. **Fuse Protection:** The included wiring cable has an inline fuse for protection. Ensure this fuse is properly seated and functional.

Refer to the diagram below for a visual representation of the wiring process:



*Figure 1: Wiring diagram illustrating the connection of the Americaloc STX tracker to a vehicle's 8-40V battery system. The red wire connects to the positive terminal, and the black wire connects to the negative terminal.*

### 4.2 Mounting the Device

After wiring, choose a secure and discreet location for the tracker. The device includes a double-sided sticker for attachment to a flat surface. Ensure the location allows for good GPS signal reception (avoid completely enclosed metal compartments).



Figure 2: The Americaloc STX tracker mounted in an engine bay, demonstrating the simple 2-wire connection to the vehicle's battery terminals.

## 5. OPERATING INSTRUCTIONS

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Once installed and powered, your Americaloc STX tracker will begin transmitting data. You can access and manage your tracking information through the Americaloc web platform or the dedicated mobile application.

### 5.1 Accessing the Tracking Platform

The Americaloc tracking platform is accessible via:

- **Web Browser:** Visit the Americaloc website on any computer or tablet.
- **Mobile App:** Download the "Americaloc Viewer" app from the Apple App Store (for iOS devices) or Google Play Store (for Android devices).

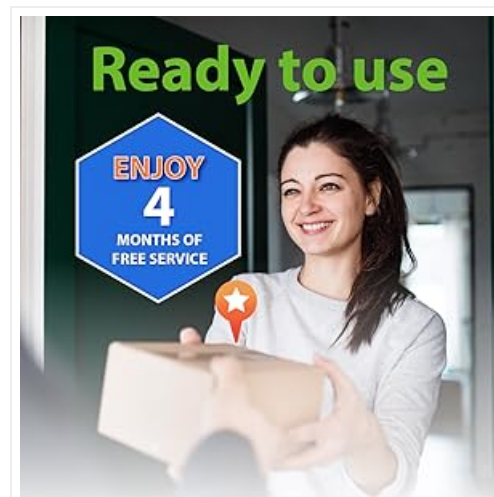


Figure 3: The Americaloc tracking interface displayed across various devices, including a smartphone, tablet, and laptop, highlighting multi-platform accessibility.

### 5.2 Real-time Tracking and History

The platform displays your vehicle's current location on a map. You can view the route taken, speed, and other data points. The system combines data from traveled distance, corner turns, and time intervals for detailed tracking history.



Figure 4: A smartphone screen displaying a detailed tracking route, showing the path taken by the vehicle with multiple data points.

## 5.3 Alerts and Notifications

Configure various alerts to be notified of specific events. These alerts can be sent via text, email, or WhatsApp.

- **Motion Detection:** Alerts when the vehicle starts moving.
- **Stop Detection:** Alerts when the vehicle stops.
- **Speeding Alerts:** Notifies if a predefined speed limit is exceeded.
- **Ignition On/Off:** Alerts when the vehicle's ignition is turned on or off.
- **Geofence:** Set virtual boundaries and receive alerts when the vehicle enters or exits these areas.
- **Harsh Driving:** Detects and alerts for aggressive driving behaviors.
- **Power Status:** Notifies of power disconnection or low internal battery.



Figure 5: A smartphone screen showing examples of alert notifications received via text, email, and WhatsApp from the Americaloc device.

## 5.4 Reports

Generate various reports based on tracking data, such as mileage reports, activity summaries, and alert logs. These reports can be customized and exported for analysis.



Figure 6: A hand holding a smartphone, illustrating the reporting feature with a map showing tracked routes and a graph detailing speed over time.

## 6. MAINTENANCE

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The Americaloc STX tracker is designed for durability and requires minimal maintenance. To ensure continued optimal performance:

- **Regular Inspection:** Periodically check the wiring connections to ensure they remain secure and free from corrosion.
- **Cleanliness:** Keep the device free from excessive dirt, dust, and moisture. Wipe with a dry cloth if necessary.
- **Avoid Obstructions:** Ensure the device's mounting location does not become obstructed by new vehicle modifications or cargo that could block GPS or cellular signals.

## 7. TROUBLESHOOTING

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If you encounter issues with your Americaloc STX tracker, consider the following troubleshooting steps:

- **No Signal/No Location Updates:**
  - Check all wiring connections to ensure they are secure and receiving power.
  - Verify the vehicle's battery is charged and providing adequate voltage (8-40V).
  - Ensure the device is not mounted in a location that severely obstructs GPS or cellular signals (e.g., deep inside a metal enclosure).
  - Confirm cellular coverage in the vehicle's current location.
- **Inaccurate Location:**
  - Ensure the device has a clear view of the sky for optimal GPS reception.
  - Environmental factors (e.g., dense urban areas, tunnels, heavy tree cover) can temporarily affect GPS accuracy.
- **App/Web Platform Issues:**
  - Ensure your internet connection is stable.
  - Try logging out and logging back into the platform or app.
  - Check for app updates in your device's app store.

If problems persist after attempting these steps, please contact Americaloc customer support for further assistance.

## 8. SPECIFICATIONS

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Feature	Detail
Product Dimensions	2.4 x 2.4 x 0.81 inches
Item Weight	2.54 ounces
Model Number	STX
Power Input	8-40V DC
Batteries	1 Lithium Polymer battery (included, internal backup)

Feature	Detail
Connectivity Technology	Wired (for power), Cellular (for data transmission)
Special Features	Geo-Fence, Location History, Motion Activated, Real Time Tracking, Unlimited Text, WhatsApp and Email Alerts
Supported Application	GPS
Specific Uses	Vehicle tracking
Manufacturer	Suntech

## 9. CUSTOMER SUPPORT

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Americaloc is a U.S.-based company, with software developed and operated on U.S. servers. For any questions, technical assistance, or support regarding your Americaloc STX GPS Tracker, please refer to the contact information provided on the official Americaloc website or within the mobile application. Our support team is available to assist you with installation, operation, and any other inquiries.