Amcrest AM-GL300 GPS Tracker
User Manual

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Welcome

Thank you for purchasing our Amcrest AM-GL300 GPS Tracker!

This user manual is designed to be a reference tool for the installation and operation of your GPS Tracker.

Here you can find information about the camera’s features and functions, as well as information to aid in troubleshooting.

Many of the setup and installation sections below have corresponding videos on YouTube

To access the setup videos, please go to http://amcrest.com/videos

For access to other support information, please go to http://amcrest.com/support

To contact Amcrest support, please do one of the following:

- Visit http://amcrest.com/contacts and use the email form
- Call Amcrest Support using one of the following numbers
  Toll Free: (888) 212-7538
  International Callers (Outside of US): +1-713-893-8956
  USA: +1-713-893-8956
  Canada: 437-888-0177
  UK: 203-769-2757
- Email Amcrest Customer Support support@amcrest.com

Important Security Warning

In order to keep your Amcrest GPS tracker secure and prevent unauthorized access, please make sure to follow the steps below:

Always make sure that your GPS tracker has the latest firmware as listed on www.amcrest.com/firmware

Never use the default password for your tracker. Always ensure that your password is at least 8-10 characters long and contains a combination of lowercase characters, uppercase characters as well as numbers.
Important Safeguards and Warnings

1. **Electrical Safety**
   All installation and operation should conform to your local electrical safety codes. The product must be grounded to reduce the risk of electric shock. We assume no liability or responsibility for any fires or electrical shock caused by improper handling or installation.

2. **Transportation Security**
   Heavy stress, violent vibrations, and excess moisture should not occur during transportation, storage, and installation of the device. Do not adjust GPS tracker settings or placement while driving.

3. **Repair Professionals**
   All the examination and repair work should be done by qualified service engineers. We are not liable for any problems caused by unauthorized modifications or user-attempted repair.

4. **Environment**
   The GPS tracker should be kept in a cool, dry place away from direct sunlight, flammable materials, explosive substances, etc. This product should be transported, stored, and used only in the specified environments as stated above.

5. **Operation and Maintenance**
   To clean dust or dirt off of the GPS tracker, use an air blower or a microfiber cloth.

6. **Accessories**
   Be sure to use only the accessories recommended by manufacturer. Before installation, please open the package and check to ensure that all of the components are present. Contact the retailer that you purchased from, or Amcrest directly if anything is broken or missing in the package.

7. **Legal Notice**
   Ensure strict observance of relevant laws to ensure this product cannot be used for any illegal purposes. Amcrest Technologies assumes no liability or risk for misuse of this product and any consequences of said misuse.
Introduction

The Amcrest AM-GL300 is a powerful GPS tracker designed for asset, vehicle, and even pet tracking. With a compact body and superior receiving capabilities, the AM-GL300 is a robust product that allows for detailed tracking.

The AM-GL300 has features such as fast TTFF (Time to First Fix), Quad Band GSM frequencies (850/900/1800/190), @Track protocol based integration, GPRS/GSM based reporting, geo-fencing, and other features to ensure robust tracking capabilities.

Features

Below are some of the features in the AM-GL300:

- Real-Time Tracking
- Small Form Factor: 2” x 1” x .8”
- Remote access via PC, Mac, iOS, or Android devices
- Rechargeable Battery with a Battery Life of Up to 2 weeks
- Receive Location and Speed Alerts by E-mail & Text Message
- Geo-fencing Capabilities
- View routes on Google Maps or Google Earth
- 1 Year Warranty

What’s Included

Included in the box with the GPS tracker are the following components:

- GPS Tracker
- USB Mini-B Data Cable
**Device Diagram**

![Device Diagram]

**Note:** The SIM card comes pre-installed in the device. Please do not remove or replace it.

**Charging the Device**

To charge the GPS tracker, lift the flap covering the charging post and plug the charger cable end into the unit via the USB port, then plug the charger into a wall outlet.

The battery LED on the front of the camera will change to green when the GPS tracker is being charged, and will blink green periodically to indicate that it still has power. If the battery LED flashes Red, that means the battery level is low, and the GPS tracker should be charged.

**Powering Up and Turning Off the Device**

To turn the device on, press the Power button on the top of the device once. As the device obtains satellite signal, the middle LED (cellular) will begin blinking and will start relaying location data. To turn off the device, press and hold the Power button on the top of the device.
Activating the Device

After purchasing the device, you must purchase a monthly service plan that allows the device to send your data to your Amcrest account. You can activate your device at http://www.amcrest.com/gps-activation

Pricing for the GPS tracker is shown below:

Follow the activation steps on the site, and within 24 hours afterwards you will receive an email with details about the device, along with the username and password used to log in to the Amcrest GPS site.

Device Placement

Make sure that the device is placed near a window or on a surface that does not obstruct the signal reception. Placing the device in the trunk of a car is not recommended. Move the GPS tracker near where you want to place it and check the green GPS signal to ensure that reception is available in that position.
Amcrest GPS Portal (www.amcrestgps.com)

www.amcrestgps.com is the portal that allows you to use your GPS tracker. Containing a wide range of tools, the Amcrest GPS portal allows users to use the GPS in a wide variety of applications, and is where all GPS tracker functions are configured.

Logging In

To log in to the Amcrest GPS portal, check your email for your Amcrest GPS activation email. That email will contain your username and password. For best security results, please change your password the first time you log in. To do this, click your name/username near the top right hand corner, then click “Change Password”.

User Interface Overview

See below table for an explanation of each major area of the interface:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Menu Tabs</td>
<td>Allows the user to navigate between different menu items which allow for configuration of settings.</td>
</tr>
<tr>
<td>2</td>
<td>Asset Selection</td>
<td>Allows the user to select assets by type or sort through assets in the list.</td>
</tr>
<tr>
<td>3</td>
<td>Asset List</td>
<td>Displays all assets selected by the user.</td>
</tr>
<tr>
<td>4</td>
<td>User Settings</td>
<td>Allows the user to change settings related to the account, as well as audio alerts.</td>
</tr>
<tr>
<td>5</td>
<td>Map Tools</td>
<td>Allows users to interact with the map in a variety of ways.</td>
</tr>
</tbody>
</table>
### User Interface Walkthrough

This section will explore the different menu items in the GPS Portal Interface. See below for an explanation of each menu item:

<table>
<thead>
<tr>
<th>Menu</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map</td>
<td>This tab shows the last location of the GPS tracker, as well as allows for use of many different map tools.</td>
</tr>
<tr>
<td>Asset Info</td>
<td>This tab shows the different assets associated with this account, and displays information about each device.</td>
</tr>
<tr>
<td>Trip Replay</td>
<td>This tab allows the user to see trip history and play trips.</td>
</tr>
<tr>
<td>Zones</td>
<td>This tab allows the user to create and manage zones (geo-fences).</td>
</tr>
<tr>
<td>Alerts</td>
<td>This tab allows the user to create and manage alerts.</td>
</tr>
<tr>
<td>Reports</td>
<td>This tab allows the user to generate reports using data collected by the device.</td>
</tr>
<tr>
<td>Administration</td>
<td>This tab allows for administration of user accounts.</td>
</tr>
</tbody>
</table>

### Map Tab

This tab shows the last location of the GPS tracker, as well as allows for use of many different map tools. The map tab consists of 3 main control areas:

**Device List** – This area shows all of the devices associated with this account.

**Last Known Location** – This area shows on the map where the GPS tracker last reported its location along with information about speed, ignition status, and a date/time stamp.

**Map Tools** – This area shows the different map tools that the GPS tracker can use.

- **This set of buttons allows the user zoom in and out of the map**
- **The top button allows the user to create a zone (geo-fence). The bottom button allows the user to measure the distance between two points.**
- **Clicking this button opens the map settings menu, which allows the user to change things such as map source and overlay displays.**
This tab shows the different assets associated with this account, and displays information about each device. The Telemetry button shows telemetry data from the GPS in a separate pop-up windows. The Recent Alerts tab shows the most recent triggered alerts for that specific asset. The Recent Events tab shows the most recent events for that specific asset. The Recent Trips tab shows the most recent trips for that specific asset. The More Info tab shows other information about that specific asset.
Trip Replay Tab

This tab allows the user to see trip history and play trips. This tab has 4 main areas:

Device List – This area shows all of the devices associated with this account.

Trip Information – This area shows information about the current trip.

Trip Graph – This area shows a graph that plots changes in speed and altitude.

Reply Controls – This area allows the user to start/stop playback and change playback speed.
Zones Tab

This tab allows the user to create and manage zones (geofences). Before you create a zone, you must first create a zone group. You can create a zone group by clicking the Manage Zone Groups button, then clicking New Group. Name the group, then click enter.

There are 3 different types of zones:

- **No-Go Zones** – These zones can trigger an alarm if the tracker is detected within its boundaries.
- **Keep-In Zones** – These zones can trigger an alarm if the tracker is detected outside its boundaries.
- **Location** – These zones simply mark a specific location on a map.
To create a zone, click the Create Zone button at the top of the page and select which type of zone you’d like to create. Click different points on the map to create a shape, then for the last point, double click to close the zone. Once the zone is closed, name it, ensure the type is correct, select a zone group, then click Save. To access more zone settings, click Advanced.

Note: You can also create a zone by clicking the Zone icon ( ) from either this tab, or the Map tab.

See below for a screenshot of the Advanced Zone settings with an explanation about each setting:

- **Name**: This field allows you to name your zone.
- **Type**: This field allows you to select zone type.
- **Group**: This field allows you to select zone group.
- **Max Speed**: This field dictates what the maximum speed can be within the zone before an alarm is triggered.
- **Proximity**: This field dictates what the proximity to the zone can be before an alarm is triggered.
- **Status**: This field lets you activate or deactivate zones.
- **Zone Area**: This field displays the zone area for the zone selected.
Alerts Tab

This tab allows the user to create and manage alerts. To configure existing alerts, click the Actions button next to the specific alert line item to do one of the following actions: Edit Alert, Set Inactive, Delete Alert, Duplicate Alerts, or Show Results.
Click the Create Alert button. This will permit you to create a custom alert.

**Alert Details:**

Alert Name – This field allows the user to name this alert.

Priority – This field allows the user to designate a priority for this alert.

**Alert Criteria:**

Select Asset – This field allows the user to select which asset group or asset(s) to create a custom alert for.

Select Alert Trigger – This field allows the user to select what should cause the alert. There are many alert triggers that can be selected, such as entering or exiting a zone, overspeeding, starting/ending a trip, or triggering an event.

Select Optional Time Periods – This field allows the user to select an optional time period (dates and times). If a time period isn’t selected, then the event applies at all times.

Other Criteria – This field allows the user to select additional criteria to use for the alarm.

**Who to Notify:**

This field allows the user to select who should be notified, and how they should be notified when an alert is triggered. Either SMS or Email alerts can be sent to specific people.
Reports Tab

This tab allows the user to generate reports using data collected by the device. The system provides standard reports by default, but also has the ability to generate custom reports.

To generate a standard report, click the report you’d like to see, select the assets you want to include in the report, specify the report time period, then click the Show Report button.
To generate a custom report, click the Scheduled & Custom tab, then click the Create Report button. There are many parameters on this screen to customize. Once customized, click Save Report, and the report will be generated.

**Note:** The following reports are NOT available on the AM-GL300

Engine Over Revving, Impact Event, and Harsh Cornering report
Administration Tab

This tab allows for administration of assets and user accounts. Each menu item on the left side opens the menu for each aspect of the GPS tracker. From this menu, hardware devices can be assigned to asset profiles, user permissions are assigned, and SIM information are stored.

**Assets:** The Assets submenu is designed to help manage any asset to which you choose to attach the GPS Tracker. There are three preset asset types (vehicle, driver and portable device) to choose from once the Assets main menu is opened. In the New Asset form, there are options to name Assets, add verbose descriptions and photos.

**Hardware Devices:** All details for any Amcrest GPS Tracker are managed here. Devices are assigned to asset profiles within this submenu.

**Asset Groups:** The Asset Groups submenu allows you to organize your assets into groups and give specific user groups permission to view and edit asset information.

**Users:**

To add a new user, first select the Users section from the Client menu. Select New User.

**Note:** Some features shown in the screenshots above may or may not be available with your device.
Complete all required fields of this form. Be certain to communicate the email and password you set here to the person who will be using the user account. The roles section is where user permissions are granted. Be certain to input the correct time zone and speed/distance unit of measure. Once you have finished filling out the form, click the green button at the top of the page to save your changes.

**User Roles:** The User Roles submenu dictates whether or not a user assigned with a specific role will have administrative or view-only privileges. Granting the admin role to any user enables them to create and remove users, devices, and assets and asset groups as well as make changes to device details and menu structure. Please note that users assigned with view-only roles are still able to set-up and modify geo-fences. If no role is selected upon creating a new user, then a view-only role will be assigned.
FAQ

Q: How do I unfreeze the device?
A: Turn the GPS Tracker’s power off, then turn it back on.

Q: Why is my device not getting GPS signal?
A: When the GPS tracker is experiencing interference, the GPS light (blue) will begin blinking. This means that no wireless signal is available and the device is actively searching for a new signal. Please bear in mind that many major cities have GPS dead zones, and GPS signal may not reach underground.

Q: How long does my device’s battery last?
A: The battery should last up to 14 days, but may drain faster if more activity is detected.

Q: How do I assign a device to an asset profile?
A: Create a new asset and build its profile. Next, add a Hardware device and set its’ linked asset to the asset profile you’ve just created.

Q: I just bought an additional Amcrest GPS Tracker. How can I start tracking this device if I already have an amcrestgps.com account?
A: First, activate your GPS Tracker on [insert link]. Create a new asset and build its profile. Next, create a new Hardware device and set its linked asset to the asset profile you’ve just created.

Q: How do I reset my Amcrest GPS Tracker?
A: In order to reset your GPS Tracker, press and hold the thumb-sized button on the front of the device until the blue LED light begins to flash. It will automatically reconnect to the network.

Q: Can I change how often my GPS Tracker pushes signal updates to the network?
A: Unfortunately at this time, the Amcrest GPS Tracker only sends updates at intervals on 1 minute in order to maximize the battery life of the device.
Note:

- For detailed operational instructions, please refer to the User Manual on the CD that was included in your purchase.
- To view setup videos for many of the steps outlined in this guide, go to http://amcrest.com/videos
- This user manual is for reference only. Slight differences may be found in the user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned are the properties of their respective owners.

To contact Amcrest support, please do one of the following:

- Visit http://amcrest.com/contacts and use the email form
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