



GeoRover® Mobile Solution

GIS in the palm of your hand

Powerful field collection solution for dynamic mapping environments

The SAIC GeoRover Mobile software solution combines powerful desktop capabilities with the flexibility of mobile devices to streamline and enhance the process of capturing, editing, and sharing field collected GIS data. Through a combination of robust and flexible interactive collection tools and Map-Pack import and export wizards, the GeoRover Mobile solution brings the collection, editing and visualization of field collected data to the palm of your hand.

The GeoRover Mobile Desktop extension is a plug-in to the commercial Esri® ArcGIS® Desktop application (ArcView®, ArcEditor™, or ArcInfo®). The toolbar enables users to easily import and export points, lines, and polygons from existing shapefiles and feature classes and base maps from raster datasets.

The GeoRover Mobile application is a program that resides on mobile devices (phones or tablets) that support the Android™ platform. This application can be used in connected or disconnected environments and allows users to edit and create features in existing shapefiles or feature classes. The mobile application integrates both internal and external global positioning systems (GPS) and available connected networks, including Wi-Fi™ networks, to provide current location data and to display map images from published Web Mapping Services (WMS). All edits to geospatial features on the device can be reconciled easily back to the ArcMap™ application.





(Left) View, select, and manage WMS layers to be displayed as a map image when connected to an available network.

BENEFITS

- Works in connected and disconnected environments
- Integrates with available GPS and Wi-Fi networks
- Works with numerous mobile devices and tablets running the Android platform
- Seamlessly imports and exports data to and from the powerful ArcGIS Desktop application
- Easily collect field data, including geotagged photos and voice recordings
- Complements existing GeoRover software extensions for the ArcGIS Desktop application

Features - Mobile Application

- Utilize available network connections, including Wi-Fi networks, to display published WMS map layers
- Add point, line, or polygon features to existing layers using interactive touch screen functionality
- Supports editing of feature classes with domain values set in layer schema
- Take photos, including geotagged photos or voice recordings, with the mobile device or attach photos from the mobile gallery to point, line, or polygon features
- Use real-time GPS location to create waypoints, track logs, and routes when connected to an internal or external GPS, including Bluetooth®
- Move selected point or reshape a line or polygon feature with versatile vertex editing

Features - Mobile Desktop Extension

- Create Map-Packs from existing raster and vector datasets and WMS connections
 - Choose an existing raster dataset as a base map layer
 - Define WMS map layers to be displayed as a map image on the mobile device when connected to an available network
 - Include point, line, and polygon features from existing shapefiles and feature classes
- Map-Pack vector layers can contain existing features or be an empty layer with pre-defined schema only
- Easily save changes to feature layers from the Mobile application as feature classes within the ArcMap application
- Save Map-Packs directly to supported Android mobile devices or choose to save to a specified folder location
- All data imported to a mobile device is accepted in any projection



(Left) Our GPS toolbar enables the creation of features, waypoints, and track logs and the ability to zoom to your current location with an internal or external GPS connection.

Visit us online: geover.com



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