GeoRover® Digital Data Tracker Extension

TRACK IT. SNAP IT. MAP IT.

Visualize GPS and geotagged data easily in ArcGIS® Desktop

The Leidos GeoRover® Digital Data Tracker extension integrates a global positioning system (GPS) device and geotagged data with the commercial Esri® ArcGIS® for Desktop application (Basic, Standard, or Advanced). It provides geographic information systems (GIS) tools for easily downloading and uploading track logs and routes from a variety of GPS receivers—including receivers that support GIS exchange format (GPX) files or GPS-tagged data—and displays these imported formats within the ArcMap® application.

How Does It Work?

Using GPS receiver track log information, digital media (images, video clips, text) collected in the field can be automatically georeferenced. Track logs and georeferenced data layers are saved as shapefiles or can be added to existing feature classes in a personal, file, or ArcSDE® geodatabase. The result is an interactive map display with links to field data or geotagged data that can be exported as a web page for easy geospatial information sharing. Specific waypoints or routes can also be uploaded to a GPS receiver.

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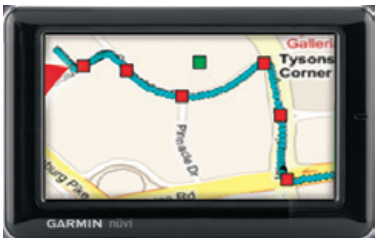
FEATURES

- Download track logs, waypoints, and routes from GPS device into new or existing ArcMap® layers
- Upload waypoints or routes from the ArcMap® application to a GPS device
- Support for Garmin® GPS receivers (serial and USB), GPX files, GPS-tagged data, Magellan® (serial), and NMEA GPS protocols. Also, supports popular Garmin nüvi® series GPS receivers
- Automatically plot geotagged data as a layer in the ArcMap® application
- Automatically geolocate and plot digital media by correlating collected field data with GPS track log information
- Import and export track log, waypoint, and route data to and from GPX files
- Create and manage related offset points by leveraging range and bearing
- Real-time track log with moving map display for GPS navigation includes heading and current coordinate readout
- Geolocation Wizard provides a flexible interface to georeferencing data using non-standard track logs, different time offset methods, and ability to set-up real-time geolocation functionality
- Access georeferenced field data or geotagged data from maps and images
- Add new points to existing geolocated data by clicking on display or entering coordinates (DD, DM, DMS, UTM, MGRS)
- Add/change linked data (video, images, audio, documents, slides, spreadsheets, databases, URLs, etc.)
- Export map display and layers into interactive HTML file
- Leverage ArcMap® Snapping tool with the Click to Add Feature and the Move Feature by Click-and-Drag tools. Quick access menu specifies a snap type for the next click.



Real-time track log capability in the field with a tablet or laptop PC. Moving map display shows current coordinate position.

BENEFITS

- Significant reduction in GIS training to process field data
- Increases productivity by streamlining field data collection and processing workflows
- Faster more flexible interface to create GIS products from field-collected data
- Works with a variety of cost effective commercial-off-the-shelf GPS receivers and cameras
- Support for GIS integrated devices allows organizations to phase in other technologies
- All tools are fully compatible with shapefiles and geodatabase feature classes
- Flexible data collection options:
  - GPS receiver and digital device only in the field. No PC or cable connections required
  - Real-time functionality with tablet/laptop PC
  - GPS-integrated geotagging cameras
- Flexible licensing options include Single-Use and Concurrent

Visit us online: **georover.com**
For additional support, call **1-866-417-5322** or email **georover-sales@leidos.com.**

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