



Encom Discover Mobile 2.1

GIS Based Field Data Capture and Display



Meet your new field assistant - your handheld PDA and Discover Mobile

Encom Discover Mobile 2.1 includes a range of new features providing the user with a robust field GIS. Discover Mobile, the companion to Encom Discover for MapInfo Professional, now makes it easier than ever before to capture GIS data in the field. You can take your digital maps and images with you wherever you go. Discover Mobile is GPS enabled and can be used for in-field data capture, sample logging, mapping and navigation. The software supports a range of standard hardware solutions including military specification field devices.

Field Data Capture

Discover Mobile lets you take your MapInfo desktop GIS data to the field. You don't need to create printed maps or convert data to a special portable format.

With Discover Mobile you can display colour raster images of aerial photos, satellite scenes and aeromagnetic, gravity and geochemistry data. Set the raster layers so they are partially transparent and overlay these on your geology maps, topographic data and tenement outlines to assist your navigation in the field.

Connect a GPS receiver and Discover Mobile will display and update your current location in real time as you navigate, inspect anomalies, map geology or sight drill targets.

Real Time GPS Tracking

Connect a GPS receiver to a handheld PDA running Discover Mobile and you have a real-time tracking device. Watch your position automatically update as you navigate using your MapInfo GIS data as a base map. You can walk an outcrop boundary and Discover Mobile will automatically plot it on the map. You can map faults, unconformities, sample locations and record strike-dip measurements directly into your PDA – no effort and no transcription errors.

Discover Mobile supports all MapInfo Professional projections and can convert between different map projections on the fly.

Discover Desktop Integration

Don't worry about having to learn a new system. Discover Mobile allows you to work in a familiar MapInfo Professional environment. A full suite of drawing and editing tools are provided - Zoom, Pan, Show Information, Measure Distance, Line Polygon and Point Drawing and much more.

You can set zoom layering for detailed or complex maps, perform automatic labelling and use a range of powerful object editing tools. You can perform buffering operations and create thematic maps of your data in the field.

Discover Mobile Features

GPS Support for Navigation and Data Capture

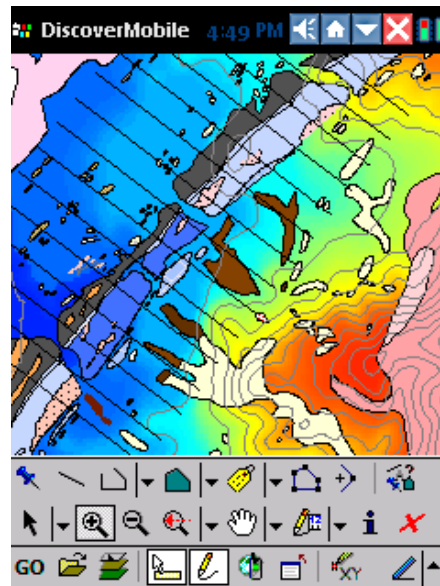
Discover Mobile can connect to any standard GPS unit that outputs the NMEA0183 (National Maritime Electronics Association) protocol. With a GPS receiver connected to your PDA you can simultaneously display your current location, record a track log of the path you are travelling and capture MapInfo point, polyline or polygon objects.

- GPS quality controls to specify a minimum time or minimum/maximum distance interval to record data locations.
- Full MapInfo symbol set for points.
- GPS information for points automatically entered into MapInfo table.
- GPS signal status, precision and location information monitored.
- Dynamic Map Grid overlay
- Navigation tools from current position to destination.
- Extended data caption options including voice notes.
- Editing tools to allow you to filter out unwanted points from recorded track logs or captured polyline/polygons.

Geoscience Data Capture

Discover Mobile supports the full set of Encom Discover structural symbols so you can record and display structural measurements using AGSO, USGS or GSC symbol sets.

With Discover Mobile, you can map geological boundaries, faults and outcrop locations using GPS positions, on screen digitising or by using Discover Mobile's



freehand drawing tools. Symbol, line or pattern styles can be automatically assigned to objects from a user definable styles library.

A comprehensive suite of object drawing and editing facilities provided allow you to: create and edit points, lines, polylines, polygons, circles, rectangles and text or draw freehand lines and polygons with node optimisation. Existing features can be moved or removed. Nodes can be added, moved or delete from polylines or polygons.

Discover Mobile 2.1 provides support for North American grid conversion between NAD27 and NAD80.

Discover Mobile provides streamlined attribute entry via fully customisable pick lists. These pick lists can be created on from your database validation codes on the desktop or constructed in the field as you go.

Discover Mobile provides a selection of Auto Fields which can be used to automatically increment or decrement sample or peg numbers, calculate area or perimeter of polygons, use previous entries or set fixed attributes.

Data Transfer and Integration with Encom Discover

Connect your PDA to your desktop PC or laptop, and copy and paste or drag and drop your .TAB files onto your PDA and Discover Mobile is ready to go.

Discover Mobile facilitates the integration of field data capture, analysis and verification with your office-based interpretation, mapping and reporting requirements. Data can be easily synchronised between your PDA running Discover Mobile and your notebook or desktop computer running Encom Discover for MapInfo Professional.

You can display structural symbols or overlay drill hole traces created and maintained in Encom Discover on your Discover Mobile maps and images. Style libraries can be created and maintained using the Discover Colour Map utility. With Discover Mobile you can now take your maps to the field for on-the-spot updating and validation.

Customisation

Please contact Encom for enquiries about building custom links to existing data capture or data storage systems.

System Requirements

Discover Mobile 2.1 requires a handheld computer running Windows Mobile 2003. No separate MapInfo solution is required.

For more information

For more information about Encom Discover Mobile, please contact Encom by phone, fax or email discover_mobile@encom.com.au

Encom Discover Mobile is one of a suite of specialist GIS tools from Encom Technology. For information about Encom Discover for MapInfo Professional or the Discover 3D module, please contact discover@encom.com.au.

Head Office

Level 2, 118 Alfred St
Milsons Point
NSW 2061, Australia
Tel +61 2 9957 4117
Fax +61 2 9922 6141

Web

www.encom.com.au

Email

discover_mobile@encom.com.au