

MAPublisher[®]

When Map Quality Matters[®]

Powerful cartographic design tools for Adobe[®] Illustrator[®]



GE[•]GRAPHIC IMAGER[®]

Spatial imaging tools for Adobe[®] Photoshop[®]

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Spatial imaging tools for Adobe[®] Photoshop[®]



Combine raster and vector data with Geographic Imager and the Register Image function in MAPublisher.

**FREE Evaluation
Downloads**

www.avenza.com

The Geographic Imager floating panel displays all the relevant geospatial information about your image.

OVERVIEW

Geographic Imager[®] is a powerful suite of tools for Adobe Photoshop that allows the use of the powerful and vast image editing tools of Adobe Photoshop to enhance and manipulate spatial imagery.

Geographic Imager enhances the already commanding Adobe Photoshop design environment by adding all the tools and technology necessary to support the import, edit, manipulation and export of geospatial images such as aerial and satellite imagery and scanned maps.

In addition to allowing the use of numerous native Adobe Photoshop imaging functions such as transparency, cropping, individual pixel editing, and brightness/contrast controls, Geographic Imager adds the ability to open and recognize GeoTIFF and other referenced raster formats.

GEOGRAPHIC IMAGER BENEFITS

Import and export spatial imagery

Geographic Imager provides the underlying spatial framework to easily import and export geospatial imagery without destroying geographic accuracy.

Mosaic, crop, tile, reference and reproject

Perform spatial operations on imagery within Adobe Photoshop and retain all geographic properties. Automatically mosaic and tile, reproject, transform and georeference, based on ground control points and save images to a wide variety of image formats.

Powerful native image editing tools

Take advantage of the hundreds of native Adobe Photoshop image editing functions while keeping geospatial imagery properly referenced. Add transparencies, edit individual colours, adjust brightness and contrast, remove seams and collars, and more.

Georeference unreferenced data

Easily add geographic information to unreferenced imagery and scanned maps.

Scripting and Actions

Automated scripting allows for use of Geographic Imager tasks in conjunction with Adobe Photoshop automation tools.

TESTIMONIALS

"I feel that MAPublisher is great mapping software from both a professional standpoint as well as from an education/teaching standpoint."
Steve Pelletier
Fleming College

"Thanks for all of your professional help and your ingenious software, which have helped us create some amazing maps here at National Geographic."
Carl Mehler
National Geographic

"Geographic Imager is the product that I have been hoping to have for years."
Tom Patterson
U.S. National Parks Service

MAPublisher®

When Map Quality Matters®

OVERVIEW

MAPublisher® is a powerful suite of plug-in tools for Adobe Illustrator, leveraging its superior graphics capabilities for high-quality map creation.

MAPublisher adds over 40 map and data editing tools to Adobe Illustrator. Combined, a map-maker or GIS professional yields an impressive selection of tools to create great looking maps.

Import data from major GIS applications such as ArcGIS, MapInfo, MicroStation, Google and other GIS sources with all attributes and georeferencing intact and fully editable. Merge data sets, change projection and scale, crop, auto-label, auto-legend, auto-index and auto-register raster imagery onto vector data. Even create interactive Flash maps complete with pop-ups, roll-overs, layer controls, search and pan/zoom controls.

MAPUBLISHER BENEFITS

Enhanced map editing and output

Work with GIS map data in a graphic design environment. Enjoy the design, editing and output power of Adobe Illustrator while enjoying the value of maintaining accurate world coordinates, scale and attribute data.

Create custom maps from any data

Import data sets from major GIS applications into Adobe Illustrator with all attributes intact. Most major and widely used data formats are supported. Import and work with multiple map data files at the same time. Convert coordinate systems to georeference and overlay data from different sources.

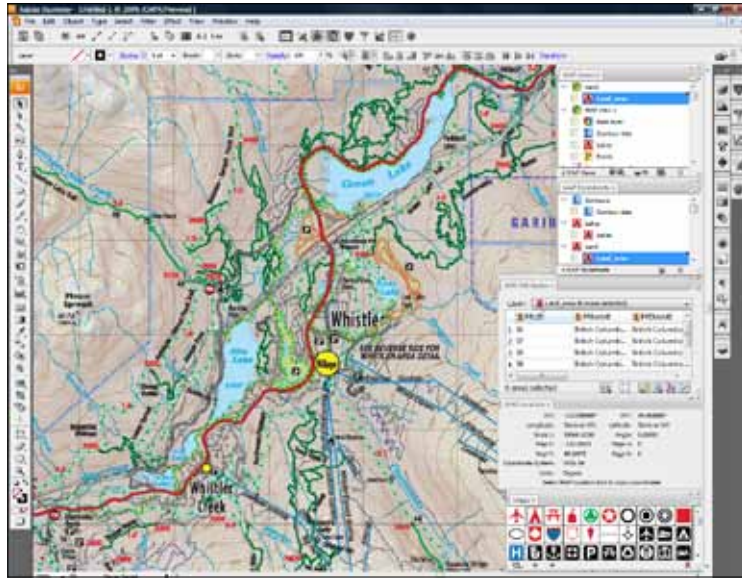
Export to Flash and GIS formats

Make vector and database edits, data edits, additions and save your changes back to a variety of GIS data formats. Export to Flash and publish maps online to share over the Web.

Design oriented mapping tools

Over 40 GIS and cartographic functions included to increase the efficiency of map design.

Powerful cartographic design tools for Adobe® Illustrator®



MAPublisher integrates seamlessly with Adobe Illustrator to provide the ideal map-making environment.



Easily employ high-end design techniques such as drop shadows and transparencies as MAPublisher and Geographic Imager combine the best of graphics and GIS in an easy-to-use environment.

Enjoy full control over aspects of legend design and overall map layout.

MAPUBLISHER / GEOGRAPHIC IMAGER USERS

Private-sector, government and academic organizations worldwide rely on Geographic Imager and MAPublisher in order to create appealing, accurate and content-rich maps from their GIS data and spatial imagery.

Cartography

Atlas and map publishers including National Geographic Society and the California Automobile Association.

Government

Government agencies at all levels including the U.S. Geological Survey, UK Ordnance Survey, Central Intelligence Agency, City of Amsterdam, Land Victoria (Australia) and the National Geospatial-Intelligence Agency.

Academic

Major learning institutions such as Michigan State University, Universiti Teknologi MARA (Malaysia), ITC (Netherlands) and the Smithsonian Institution.

Publishing

Leading publications, journals and news agencies including The New York Times, The Washington Post/Newsweek Interactive and The Toronto Star.

Corporate

Corporate users including Sprint, ExxonMobil, Bechtel, and URS Corporation.

Utilities

South Florida Water, Hydro Quebec, Nevada Power Company and East Bay Municipal Utility District.

PARTIAL SUMMARY OF TOOLS AND FEATURES*

MAPublisher®

| Feature | Description |
|--|--|
| Data Formats | Import: SHP, e00, GEN, MID/MIF, TAB, DGN, DXF, DWG, SDTS, TIGER/Line, GeoTIFF, TIFF with TFW, JPG with TFW, ASCII text, S-57, and OGC GML. Export: SHP, e00, GEN, MID/MIF, TAB, DGN, DXF, DWG, PDF, EPS, AI, SVG, GeoTIFF, Flash, OGC GML, and KML (Google Maps). |
| Projections and Coordinate Systems | Support for thousands of unique coordinate systems including user defined and custom systems. Perform drag-and-drop coordinate system and projection transformations. Automatically detect projections upon import and perform simultaneous multi-layer reprojection. Advanced coordinate system editor for easy, on-the-fly editing of existing coordinate system database. |
| MAP Views | Organize, manage and merge MAP Views. Scale, project and shift map data with the ability to preview both thumbnails and coloured extents for more precise map positioning. |
| MAP Stylesheets and Legends | Create and manage stylesheets to apply Adobe Illustrator graphic styles and symbology based on map data attributes. Create and customize map legends from stylesheets, north arrows and scale bars. |
| MAP Attributes, Tables and Feature Selection | View map attribute data in easy to read tables. Edit, create, delete, join and query (using an expression builder) map attribute data and tables. Selection filters make querying data efficient. |
| Labelling | Automatic feature labelling using map attributes or tag individual map objects, label text along paths, and label with leader lines using preferences such as label position, text size and alignment (along lines of latitude). |
| Grids, Graticules, and Indexes | Automatic grid and graticule generation. Create grids on any projected or geodetic MAP View and edit grids after placement. Automatic map index creation. |
| Arc Manipulation | Join, spline, flip and buffer arcs. Bezier curve support. Douglas-Peucker line simplification method preserves topology. |
| MAP Crop Tool | Crop only to the area of interest. Easily remove unwanted data while preserving attributes and styles. |
| MAP Web Author | Create interactive Flash maps for Web-based publishing, complete with roll-overs, pop-ups, layer controls, and pan and zoom controls. |
| Point Plotting | Instantly plot centroids and lat/long points onto any projected map in projected units, decimal degrees, or Degrees Minutes Seconds. |
| Raster Imagery | Register georeferenced images to vector data automatically. Export plain raster images to georeferenced formats, including GeoTIFF. |
| Compatibility | Adobe Illustrator on Windows and Mac (see Avenza website for latest compatibility requirements). |

**GEOPHOTO
IMAGER®**

| Feature | Description |
|------------------------------------|--|
| Import and Export Functionality | Import and manage georeferenced imagery such as GeoTIFF, JPG, PSD and other Photoshop compatible raster data formats. Export and save imagery as georeferenced standard industry formats. |
| Referenced Formats | Read and write abilities: World files (TFW, TIFW, WLD, JGW, PGW, SDW, EWW, BLW, DMW), Blue Marble Reference files (RSF), MapInfo Table files (TAB), GeoTIFF (TIF, TIFF), and ER Mapper (ERS). |
| Georeference | Import or add ground control points for accurate georeferencing of images with multiple transformation types supported. Save GCP data as reference files. Quick reference using one or two tie-points. |
| Projections and Coordinate Systems | Extensive support for thousands of geographic and projected coordinate systems with the ability to save custom definitions for future use. |
| Mosaic | Mosaic individual images to create a seamless image. |
| Tile | Tile an image into multiple images by tile size or count. |
| GeoCrop | Crop images by pixel, geodetic or projected extents while maintaining georeferencing properties. |
| Compatibility | Adobe Photoshop on Windows and Mac (see Avenza website for latest compatibility requirements). |
| Licensing Options | Both MAPublisher and Geographic Imager offer multiple licensing options including commercial, academic, multi-user and floating. Empower multiple users on a network with cost effective network or floating licenses. |

*Certain features are not present in all versions. See website for details.



124 Merton Street, Suite 400, Toronto, Ontario, Canada M4S 2Z2
 Tel +1-416-487-5116 · Fax +1-416-487-7213 · Toll-free (in North America) 1-800-884-2555
 info@avenza.com · www.avenza.com

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