



GeoPDF® Composer

Version 8.2.1, December 2024

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What is GeoPDF Composer?

GeoPDF Composer, formerly known as TerraGo Composer®, is an extension of Adobe® Acrobat® for creating geospatial applications for PDF documents using GeoPDF technology. GeoPDF Composer provides the capabilities to georegister PDF documents or enable PDF documents with geospatial metadata to be validated and enabled for use with GeoPDF Toolbar, formerly known as TerraGo Toolbar®, turning otherwise static documents into interactive GIS-lite applications. It can build more advanced applications by tiling and mosaicking a number of PDF documents and creating GeoPDF map books. It can also georegister 3D PDF models and create 3D GeoPDF models from elevation and geospatial raster data.

GeoPDF Composer is a superset of GeoPDF Toolbar. GeoPDF Toolbar transforms GeoPDF documents into interactive, geospatial applications providing geospatial collaboration capabilities in document and other workflows. Extending the ubiquitous Adobe Acrobat Reader or Adobe Acrobat, GeoPDF Toolbar provides continuous display of up to three geographic coordinate systems, inspection of embedded feature attributes with an Identify Tool, standards-based contextualized data interchange with GeoPackage feature attributes, measurement tools for angles, distance and area, integration with GPS devices, and display coordinates in many different projections and datums regardless of the projection and datum used during map



creation. Additionally, GeoPDF Toolbar enables geospatial markup of documents using a variety of tools for creating stamps, lines, and polygon GeoMarks which may be exported for use in other systems.

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What's new in 8.2.1?

Enhanced MapBook Adjacency Detection

Version 8.2.1 improves adjacency detection during the MapBook creation process, particularly for staggered MapBook tiles.

Resolved Issue with the Identify Tool

Version 8.2.1 addresses an issue where clicking hyperlinks using the Identify Tool caused Acrobat to close unexpectedly.

What's new in 8.2.0?

New GeoMeasure Feature - Circle

Version 8.2.0 includes a new GeoMeasure tool. Circular Area can dynamically calculate the area of a circle or display up to two fixed circles. The GeoMeasure tool has updated icons.

Updated World Magnetic Model

Version 8.2.0 includes the latest World Magnetic Model to accurately display the magnetic bearing when using the GeoMeasure tool.

GeoPackage Update

Version 8.2.0 supports GeoPackage 1.2, the previous version was 1.0.

Read-only GeoPackage

Version 8.2.0 now supports creation of read-only GeoPackage.

What's new in 8.1.2?

Text Tool Interference

Version 8.1.2 resolves an issue which prevented the Adobe Text Tool from properly working.

What's new in 8.1.1?

Installer Improvements

Version 8.1.1 includes changes to the installer. The Composer installer no longer installs when the 64-bit version of Adobe Acrobat is present. For Acrobat x64, use the GeoPDF Tools (64-bit) installer.

What's new in 8.1.0?

Independent Mini Coordinate Displays

Version 8.1.0 now allows independent control of the right and left Mini Coordinate Displays. Right click using the GeoTool to show/hide the left MCD, the right MCD or both.



Improved Handling with Multiple Documents

Version 8.1.0 works better when multiple GeoPDF documents are open. The Mini Coordinate Displays respond to the active document.

Updated About Dialog

Version 8.1.0 provides additional license details and information about disabling Protected mode to access full Composer / Toolbar functionality.

GeoPDF Menu

Version 8.1.0 renamed the TerraGo file menu to GeoPDF.

Improved GeoStamps

Version 8.1.0 now allows access to the full set of GeoStamps from the GeoMark Tools. Previously, the stamps could only be accessed from the file menu.

Help Buttons Opens Online Articles

Version 8.1.0 Help Buttons throughout GeoPDF Composer and GeoPDF Tools opens the online help articles.

Protected Mode Detection

Version 8.1.0 now detects when a feature is blocked by Protected Mode and provides instructions for disabling Protected Mode.

MBTiles Update

Version 8.1.0 MBTiles tool is exclusively create MBTiles from GeoPDF files and Edge Export was deprecated.

Improved Concurrent License

Version 8.1.0 resolves the issue with Acrobat hanging at launch when the License Manager Server is unreachable.

What's new in 8.0.0?

Support for Acrobat/Reader DC (64-bit)

Version 8.0.0 introduces the new unified version of GeoPDF Composer x64 and GeoPDF Toolbar x64 called GeoPDF Tools (64-bit). The unified 64-bit architecture is required to run in the unified version of Acrobat/Reader DC x64. If you are running the Acrobat/Reader x64 then visit our downloads page to download GeoPDF Tools (64-bit)

What's new in 7.7.2?

Support for Acrobat DC and Acrobat 2020 Sandbox Protections feature

Version 7.7.2 adds support for Acrobat's Sandbox Protections (Enhanced Security) features. Acrobat Pro 2020 Classic Edition and recent versions of Acrobat DC prevented full functionality of the GeoPDF Composer tools. Note, Sandbox Protections limit input/output files to the User Profile directory.

Acrobat Sandbox Protections notifications



Version 7.7.2 detects and reports when Protected Mode, App Container and Protected View prevent GeoPDF Composer operations.

To disable Acrobat Sandbox Protections, click Edit > Preferences > General > Security (Enhanced) and disable Protected Mode, App Container and Protected View.

What's new in 7.7.1?

Installer improperly detected versions of Adobe Reader

Version 7.7.1 resolves an installer issue. The GeoPDF Toolbar failed to detect certain versions of Reader when Acrobat was not present.

What's new in 7.7.0?

Composer has a new look and a new name

TerraGo Composer is now GeoPDF® Composer.

Additional GeoTool options

Version 7.7.0. introduces two new GeoTool right-click options.

Copy Google Map link to clipboard: This feature copies the complete Google Map URL to the Windows clipboard so the URL can be pasted into any web browser. The original Google MapIt feature could be blocked from opening the URL in the web browser in restrictive environments.

Copy coordinates to clipboard: The WGS84 Latitude and Longitude coordinates are copied to the Windows clipboard. The order of the coordinates can be adjusted in the Coordinate Display Order section in Preferences.

New online Help Topics

GeoPDF Composer version 7.7.0 introduces online help. Help topics are located here:
<https://www.terragotech.com/guide/geopdf/composer/>

Resolves issue with Identify Tool not showing the X

Version 7.7.0 resolves an Identify Tool issue of the X not appearing on the results of a GeoPackage identify Tool search. The action previously required a zoom to see the X.

Resolves Identify Tool issue reporting corrupt GeoPackage

Version 7.7.0 no longer reports corrupt GeoPackage error. The error occurred after opening multiple documents from sources outside of Acrobat or Reader.

GeoTrack preferences now defaults to AutoDiscover

Restoring Preferences in version 7.7.0 resets GeoTrack to AutoDiscover which is used to access Windows Location Services.

Added support for Adobe Acrobat Pro 2020 Classic Edition

The Version 7.7.0 release supports Adobe Acrobat Pro 2020 (Classic).

What's new in 7.6.1?

GeoTrack supports Windows Location Services

Version 7.6.1 enhanced the GeoTrack Tool to include Windows Location Services to determine the location of the device.

What's new in 7.6.0?



Map Assembler hyperlink enhancement

Version 7.6.0 enhanced the Map Assembler Selection Tool to select hyperlinks created outside of the Mapbook Creation process such as hyperlinks created with Adobe's Link Tool.

Resolves the issue of the license dropping using Map Assembler

Version 7.6.0 resolves the issue of the license dropping with certain workflows using Map Assembler resulting in a watermarked GeoPDF and the tools disabling. Issue number 10522.

Resolves issue handling non-geopackage attachments

The Version 7.6.0 resolves an error handling non- GeoPackage PDF attachments reported as issue number 10507 with error PdfGeoDocAttachment:extract.

Updated branding on several dialogs

Several dialogs in version 7.6.0 now clearly show they belong to TerraGo Composer and TerraGo Toolbar.

New Installer Auto-Activation

The installer for version 7.6.0 includes a new feature to set the Concurrent License Server Name (CLSN) or automatically activate with an Auth-Code (AC) using the silent installation option.

Command to set the Concurrent License Server Name:
TerraGo_Composer.exe /S /v"/qn CLSN=tlm"

Command to auto-activate using the Auth-Code:
TerraGo_Composer.exe /S /v"/qn AC=1exxx1f-cxx8-4xx3-bxx9-8xxx7xx1xxx4".

What's new in 7.5.0?

Enhancements to the Identify Tool

The Version 7.5.0 enhances the Identify Tool. The Identify Tool is now integrated with GeoJavaScript. GeoPackage feature attribute searches can now be initiated with GeoJavaScript and the results displayed within the Identify Tool. See the GeoJavaScript Documentation for detailed usage.

Additionally, the Identify Tool search field now accepts raw SQL Statements to interact with GeoPackage feature attributes.

What's new in 7.4.3?

Enhancements to the Identify Tool

The Version 7.4.3 enhances the Identify Tool. The Identify Tool now returns multiple results when selecting overlapping GeoPackage Feature Attributes.

What's new in 7.4.2?

Updates to GeoPackage Feature Attributes using the Identify Tool

The Version 7.4.2 resolved issues with the Identify Tool. The Identify Tool did not correctly update GeoPackage Feature Attributes which resulted in skewed text.

What's new in 7.4.1?

Removed limitations with GeoMark Toolbar in Protected Mode

The Version 7.4.1 resolved issues with the GeoMark Toolbar within Adobe Reader's Protected Mode.



What's new in 7.4.0?

Added support for Adobe Acrobat 2017 Classic Edition

The Version 7.4.0 release supports Adobe Acrobat 2017 Release (Classic).

Replacement of Installation Engine

The Version 7.4.0 utilizes a more robust installation engine.

What's new in 7.0.3?

Addressed installer issues

The Version 7.0.3 release addresses installation issues seen on some systems.

What's new in 7.0.2?

Compatibility with legacy operating systems

The Version 7.0.2 release provides minor compatibility enhancements for legacy operating systems.

More robust license activation

The license activation mechanism has been enhanced.

What's new in 7.0?

GeoPackage Feature Attributes and Identify Tool

GeoPDF documents created with TerraGo Publisher for ArcGIS may optionally store feature attributes in an Open Geospatial Consortium (OGC) GeoPackage attached as a PDF file attachment. As such, it may be saved separately from the PDF for use with other systems and workflows. TerraGo Toolbar provides an Identify Tool similar to that found in Esri ArcGIS ArcMap which can search, display, and edit the embedded feature attributes. Enhancements include searching selected layers and search performance optimizations.

More versatile 3D Models

The 3D GeoPDF Model Creator Tool has been extended to the creation of Universal 3D (U3D) models and georegistration metadata, which allows placement of 3D models created with the tool in arbitrary locations in PDF documents and reports with Adobe Acrobat and georegistration with TerraGo Composer to create advanced 3D GeoPDF documents.

Optimized 3D content

The 3D GeoPDF Model Creator Tool has been enhanced to support methods for reducing the size of imagery used to compose 3D GeoPDF scenes. These methods are:

- Denoise, or reduce the entropy or random noise associated with an image to allow for more efficient compression, and
- Downsampling, or reducing the total number of pixels in an image, by one of three different algorithms that trade off speed for quality:
 - Faster Processing (Cubic)
 - Balanced speed and quality (Lanczos)
 - Maximum quality (Blackman-Harris)

[Note: Downsampling is a form of denoising, and while not mutually exclusive, adding denoising to a downsampling operation is likely to increase processing time with no commensurate improvement in compression.]

Convert Measurements to GeoMarks



Measurements made with the Measure Tool can be converted to GeoMarks, which can be exported and shared as shapefiles or KML.

User Interface Updates

Dialogs refactored to allow for better resizing.

Remote desktop access to application

Version 7 provides application access via remote desktop by default.

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What are the known issues in this release?

- Updates made to GeoPackage feature attributes using the Identify tool are not validated based on type or range. Text entered into numeric fields may not be preserved.
- GeoPackages used for feature attributes with the Identify Tool that have been saved to disc, modified and reattached to a GeoPDF requires a restart of Acrobat or Reader. The name of the attachment must remain unchanged for the Identify Tool to work properly.
- To use GeoPDF Toolbar functionality you must turn off the “Use only certified plug-ins” option on the General pane in the Adobe Reader Preferences dialog box.

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What are the installation requirements?

Software

Operating systems such as Microsoft Windows 11 (22H2, 23H2, 24H2), Windows 10 (22H2), Microsoft Windows Server 2012 R2 and 2016.

The last version to support Windows 7 SP1 was 7.6.0.55, released August 2019.

Adobe Acrobat versions XI, DC, Adobe Acrobat 2017 (Classic) or Adobe Acrobat Pro 2020 (Classic).

Software is tested and officially supported on an English (US) operating system.

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How do I obtain more information?

TerraGo Technologies Technical Support support@terragotech.com

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