

Leica Geosystems

Release Notes

Product Leica Map360 2022.2
Date December 20, 2022
From HDS Software Product Management

WHAT'S NEW IN MAP360 2022.2	2
WHAT'S IMPROVED.....	2
IMPORTANT FIXES.....	2
MOVIE RESOURCES.....	2
KNOWN ISSUES.....	3
EXPERIMENTAL FEATURES.....	3
COMPATIBILITY AND UPGRADES	3
LICENSING.....	3
ONLINE RESOURCES	4

What's New in Map360 2022.2

Map360 2022.2 is a service pack release with improvements to the bullet path reconstruction feature with an additional analysis and report tool. This service pack also addresses critical defects that prevented certain deliverables from being created.

Bullet Path Reconstruction (BPR)

- **A dedicated ribbon** was developed for BPR that walks the user through the workflow.
- **Trajectory cones** can be uniquely named with a description and attachments.
- **Trajectory analysis** computes the horizontal (azimuth) and vertical (elevation) angles of the trajectory cones from a reference in the scene and labels each cone with dynamic labels.
- **Trajectory Report** contains details of each trajectory in the scene and the associated attachments.

What's Improved

Existing tools have been enhanced and simplified:

- **Bullet path reconstruction** routine has been simplified into one dialog for defining a trajectory from point cloud data or a line.
- **Properties panel** for trajectory cones has been simplified and provides additional controls for the cone and line, and the ability to preview or remove attachments.

Important Fixes

Here is a list of the most critical fixes:

- **Evidence Marker Report** embedded links open as expected when extra files are attached to the report.
- **Export or Print to PDF** with convert vport to image checked, produces an output that matches what is displayed in the Map360 template.
- **Printing** no longer causes the point cloud to partially or fully disappear from the viewports in the active layout.
- **Backwards compatibility** with older drawings containing trajectory cones.
- **BPA** dialog reports the location of the area of origin relative to the Room Origin instead of the world coordinate system.

Movie Resources

To learn more about the new features in Map360, please refer to our online movies marked "**NEW**" on the following [Map360 Movies page](#).

Known Issues

Several known issues are being addressed. Here is a list of the most common remaining ones with workarounds.

- The user is no longer notified if AECOBJECTS is set to off. This will generally happen after a major crash of the program. Users will see a combination of old and new properties panel and program will become unstable when working with some objects. Workaround: user manually sets AECOBJECTS to ON.
- The convert vport to image routine produces a pixelated image when the Map360 window isn't full screen and the layout isn't zoomed to extents. If zoomed in too tight, viewports may be missing from final output. Workaround: do a zoom extents prior to Print/Export.
- The slice/section line when clipping a point cloud jumps to zero elevation in predefined orthogonal views.

Experimental Features

- Insert tables, edit them, and assign table styles. Command is TABLE.
- A new command is available that allows a BING map to be streamed to the main drawing area. The command name is GEO. The status bar can display geographic coordinates when the GEO command is used.
- Use a 3Dconnexion mouse to improve control and efficiency while drawing 2D or 3D.

Compatibility and Upgrades

Map360 2022 SP2 can open drawings created with older versions of Map360. New projects completed with the program are also backward compatible with older versions.

Map360 2022 SP2 installs in a new directory on your computer and will not interfere with previously installed versions.

You must have Administrator-level privileges on your workstation to correctly install the software. Map360 is compatible with 64-bit versions of Microsoft Windows 8/8.1 and Windows 10.

When working with point clouds, you may need additional software installed. Please visit this [page](#) to download Cyclone products.

Map360 2022 SP2 requires a compatible video card for the 3D rendering, animation, and point cloud engines. For details on system requirements, please review the following [topic](#).

Licensing

All users with valid CCP, or with CCP valid as of December 20, 2022, can run this new version with no new license required.

To use your existing USB dongle with Map360 2022 SP2, you will need to ensure you have a valid CCP contract and run the USB License Manager to update your key. Please refer to the [Online instructions for activating your USB dongle](#) for more details.

Users using USB dongles will see a "nag" screen when they run the program. This screen is a reminder that we are starting a phase-out of USB dongles, and users that had a valid CCP contract at the time of release of Map360 2021 (June 2021) will have received a free EID license. These licenses were issued in July 2021. Please refer to the [Online instructions for activating Leica electronic licenses and migrating from USB dongles](#) for more details.

Online Resources

Virtual Training

Learn the fundamentals with hands-on training. We have implemented an online learning system that allows customers using Map360 and Evidence Recorder to access the IMS Course Training Standard in a self-paced, online environment. Visit learn.leica-geosystems.com to access virtual training.

Technical Support

Leica Geosystems provides free self-support to all users via the Leica Incident Mapping Suite Helpdesk. You will find knowledgebase articles, movies, and downloads. The Helpdesk is a good starting point for any problems or questions you have about using the software.

Please visit the Leica Incident Mapping Suite Helpdesk to submit a helpdesk ticket to our technical support staff for technical support. If you do not have internet access, you can phone our office at 1-888-632-8285, and a ticket can be entered for you.