
Features and Benefits

STAR*NET 11.0



12 October 2021

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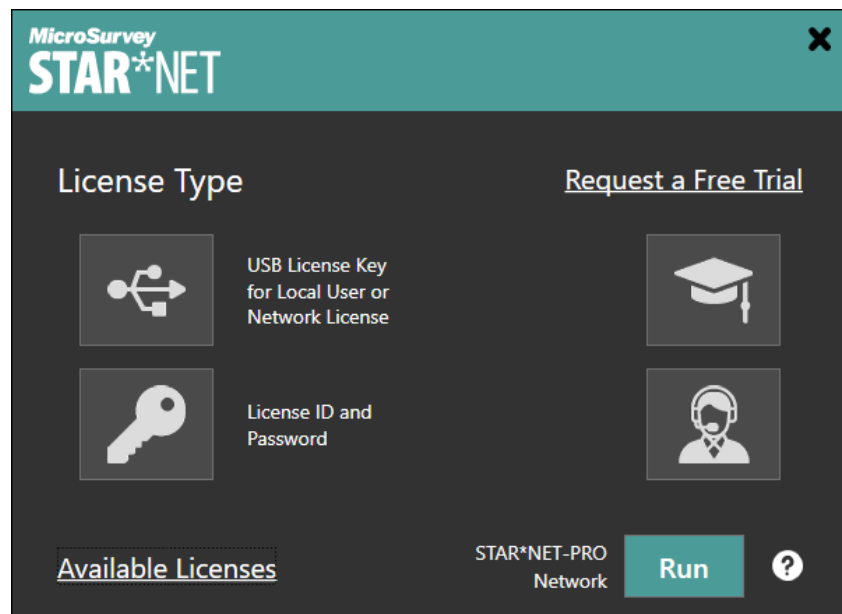
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MicroSurvey STAR*NET 11.0

Release Date: October 13, 2021

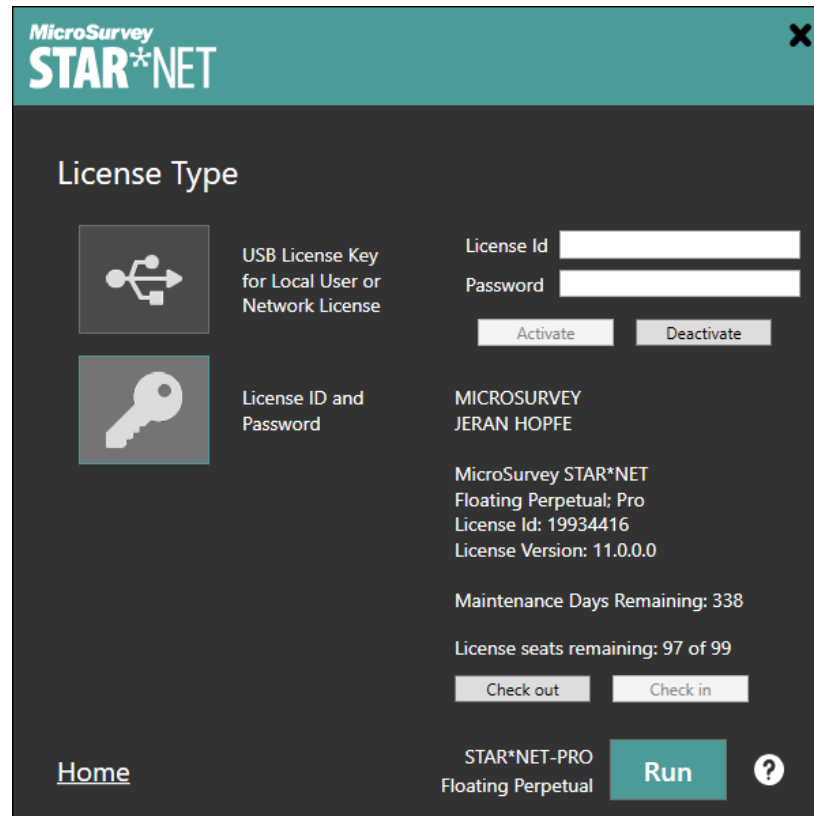
STAR*NET 11.0 is a major release that provides a new licensing dialog, floating licenses with the ability to be checked out, an all-new converter for Trimble Data Exchange Format files, and fixes to several major user-reported defects.

New: License Dialog



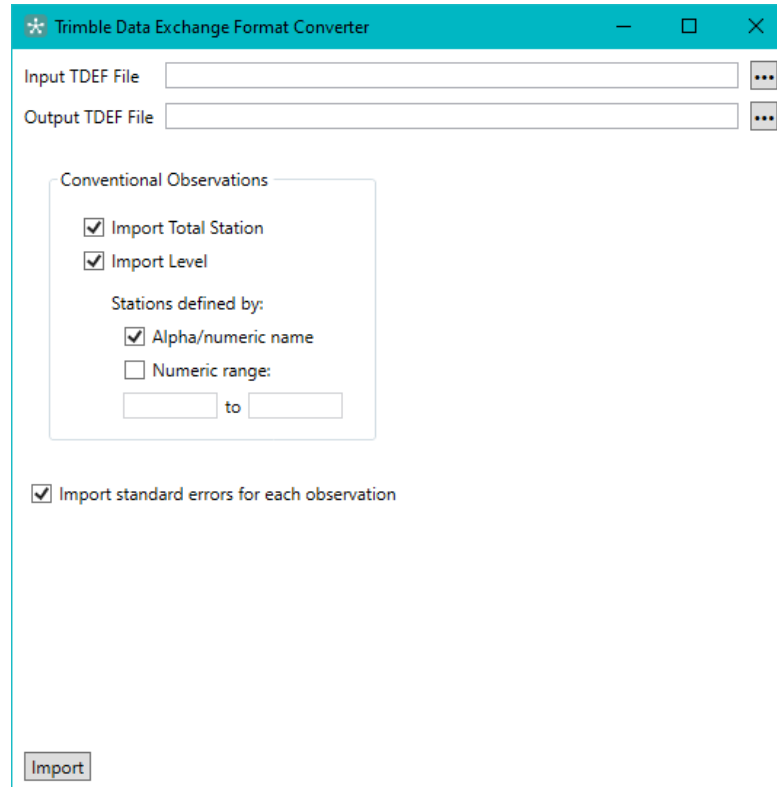
Feature	Benefit
License Dialog	The license dialog has been updated to provide a more streamlined workflow for various license types. If only one license is available, the license dialog will be skipped. The most recently used license may be accessed quickly by simply clicking the “Run” button.
USB Licenses	USB licenses may be accessed by clicking on the USB icon.
Online Licenses	Users may enter license ID/password combinations by clicking on the Key icon.
Available Licenses	All available licenses may be reviewed and selected by clicking the Available Licenses button.
Request Trial	Users may quickly request a 10-day trial version of the software by clicking the “Request a Free Trial” button.
Online Courses	Users may access online training courses by clicking the graduation cap icon.
Helpdesk	Users may access the helpdesk by clicking the support icon.

New: Floating Licenses



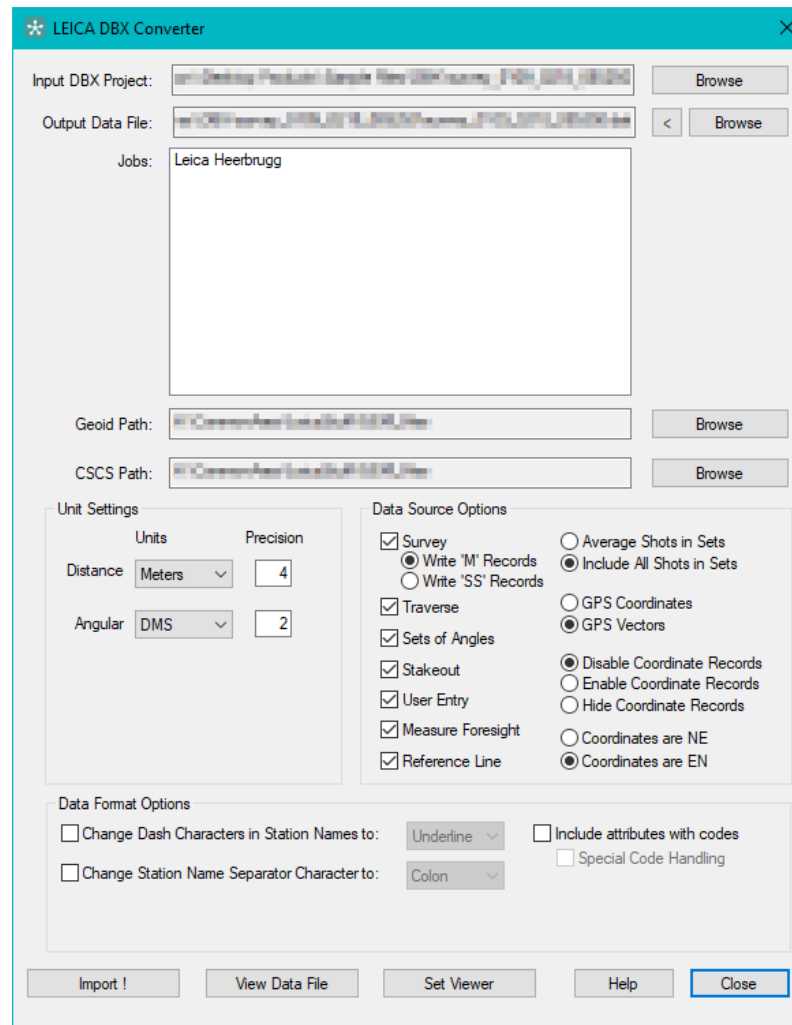
Feature	Benefit
Floating Licenses	A new floating license type has been added to STAR*NET 11. This license type does not require a USB key, and is available while connected to the internet. The license ID and password provided when it is purchased will provide a specified number of license “seats” which will float between users with access to the details. When the program is running, a license seat will be used, and will be inaccessible to other users. When the program is closed, the seat will be returned for access by other users. Converters will consume additional license seats.
Checked out Licenses	Floating licenses may be “checked out” for 4 days at a time. Checking out a license will consume the seat for the entire time period and will make the license available offline on that workstation. The license may be checked in again when online at any point in time. The license will become available online automatically after it expires on the computer, and will not be available on the computer until it is connected to the internet again.

New: TDEF Converter



Feature	Benefit
TDEF Converter	A new converter for Trimble Data Exchange Format files has been added to the program. These files are .asc format and allow data to be exported from Trimble Business Center and converted to STAR*NET .dat files.
Total Station Data	Total station data from TDEF files is converted to M and DV records in the defined output file.
Level Data	Level data from TDEF files is converted to L records in the defined output file. Explicitly defining stations in level data will allow turning point data to be summarized within the level measurements for combination with other 3D data (3D adjustments). LEV mode will support turning points by default.
Import Standard Errors	By checking this checkbox, the converter will automatically convert standard error values from the TDEF file so they may be used in the STAR*NET adjustment. This allows precise measurement weighting, rather than using defined instrument settings.
GNSS Data	GNSS data is currently only supported by the STAR*NET GPS importer, under "Trimble Data Exchange".

Fixed: Leica DBX Converter



Feature	Benefit
Leica Captivate DBX Converter	In previous versions, the DBX converter would crash if a back bearing measurement was encountered. This was often blamed on large files, but this was incorrect.

Fixed: Undo/Redo unavailable after adjustment

Feature	Benefit
Undo/Redo	In STAR*NET 9 and 10, performing an adjustment would prevent a user from using undo and redo functionality.

Fixed: Mapmode Anglecalc

Feature	Benefit
.MAPMODE Inline with ANGLECALC modifier	In STAR*NET 10, using .MAPMODE ANGLECALC would cause a crash.

Fixed: Coordinate Sorting by Std Residual

Feature	Benefit
Std Residual Sorting	In previous versions, when using the sort by Std Residual option for the listing file, coordinates would not be sorted as expected.

Fixed: LS15 GSI Quick Closures

Feature	Benefit
GSI/DNA Converter	In previous versions, a .gsi file containing a quick closure from a Leica LS15 would prevent conversion of the file.

Fixed: Remove Input File Button

Feature	Benefit
Remove input file/Delete input file	In previous versions, the “remove input file” was very close to the “delete input file” button, causing the “delete” button to occasionally be clicked accidentally. The buttons have been rearranged to minimize this issue. Additionally, the “delete” button now moves files to the recycle bin, rather than deleting them permanently.

Fixed: Extended Linear Precision

Feature	Benefit
Extended Linear Precision	In previous versions, the “Extended Linear Precision” toggle would not apply to level loop checks, which would continue to be shown at the default 4 decimal places.