LandStar8

Always Update Localization Package after update!

After updating, refresh (re-download) the USA Localization package:

BlueGuy (top left) > **Localization packages** > **United States**

2024-11-20 or newer needed

Changes in 20241205

1. Change Observation Time Button background transparency.
2. Add camera direction Information in EXIF.
3. Add Quick line feature in Line Stakeout:
4. Copy Code and Description when import LandStar Project points from another job.
5. Add a Stakeout Information page in Point Stakeout, showing HD.

Changes in 20241118

1. Solved the problem where independent baselines could not be adjusted. Now, they are processed as separate baselines, not connected to each other.
2. When importing JXL files, local site parameters are now supported. More existing Trimble jobs should now directly import successfully with less human intervention.
3. Single point localization, if no result is calculated, the Accept button is not available.
4. Point name search: support searching for points to be staked.
5. Lengthen function: negative lengths now supported.
6. Remove FCC Call Sign settings from rover station profiles as it is not needed for receive operation.
7. Remove Sensitivity settings from base station radio configuration.
8. Software registration, scan QR code to support obtaining email addresses. When you scan a QR code containing the registration number, it is now possible to include a semi-colon delimited email address: “3X45T654A2;youremail@gmail.com” populates both the “Activation code (Pre-code)” and the “E-mail”
9. Added Montana coordinate systems “Rocky Mountain Coordinate Systems”. These are the Version 2.0 ‘Rocky Mountain Tribal Transportation Association’ projections as published February 23, 2022. They are NOT the NGS 2022 SPCS projections which have duplicate names and completely different definitions.
10. Negative azimuth can now be input as a negative number in the Oblique Mercator projection. Previously you needed to add 360.0 to the negative number and generate a positive angle.
11. Added the Inverse button to the toolbar allowing quick access to the Inverse function from most survey menus.
12. Export Format: add ‘Code & Description’ option to combine the Code with the Description in a single non-delimited output value.
13. Averaged point horizontal graph: now supports display of average sets with only one or two groups of points. Previously 3 or more were required for horizontal plotting.
14. Support quick modification of the number of acquisition epochs / averaging time from the Topographic / Quick button on the survey screen.

15. Support for NAD27. Currently Texas NAD27 zones are supported. Others on request or by QR code.

Changes in 20241018

1. Fixes crash in COGO when doing Point to Line distance measurement.
2. Fixes Horizontal range graph display of Verified point with 2 groups.

Changes in 20241011

Updated prism editor.

Changes in 20240923

1. Uppercase Characters forced for Point name, Code and Description. (Set separately.) You must update the localization pack to enable this feature. Three new sliders will appear under BlueGuy > Software settings > Global settings:
   Force code to uppercase
   Force description to uppercase
   Force Point name to uppercase
2. Least Squares Analysis and Adjustment: (AKA Relative Accuracy of Vectors)
3. Geomax TS: fixes the staking issue introduced with
4. The standard coordinate systems now include Region USA > Area USA State Montana for all of the Rocky Mountain Coordinate System definitions.
5. Repeat measurement tolerance is now included when adding new occupations to: Verified Survey, Averaged Points
6. It is now possible to bulk edit the instrument height of Verified Survey groups.
7. It is now possible to stack a Base Adjustment and Single Point Localization.
8. It is now possible to use an entered or COGO point as the GNSS seed of a Site Calibration or Single Point Localization.

Changes in 20240828

Resolves special case where a base adjustment is performed, followed by a Single Point Localization.

Changes in 20240827

1. Fixed Single Point Localization issue introduced when projected entered/control points allowed as GNSS Primary Position.
2. Known issue: SPL does not work if a Base Position Shift is in play prior to activation.

Changes in 20240819

1. There is a known bug involving Single Point Localization in this version. DO NOT USE THIS VERSION!
2. Fixed a crash problem in the graphics driver. It appeared as a crash back to the operating system with a random click on the map screen.
3. Added a User defined Averaging time to the measure screen (for Read GPS).

Changes in 20240807

1. Nikon total station distance measurement was X10 distance.

2. Renamed Quick and Topo: Quick in Map survey is changed to Quick topographic
3. Point stakeout, the information panel azimuth was displayed when project configuration was set to Bearing.
4. In stakeout settings: “Remove staked points from list after staking” changed to “Remove staked points from point list after staking
5. Offset survey, Offset stakeout, Distance: changed to ‘From start point’.
6. In base station settings HCN, Close in Rinex options is changed to Disable. Open is changed to Enable.
7. Geomax Zoom95: software crashes on connection addressed.
8. When starting the base station from a Known point, if a manual base station point is selected and this point has a base station translation, the coordinates brought over were the ‘before the base station translation’. Changed to the translated (shifted) base station coordinates.
9. Inverse: select points from the Points library: it was not possible to select a Base station position.
10. Quick point survey changed to Quick topographic point survey
11. When starting a Base from a known point, the ‘Save to the point library switch selection state is now remembered/persistent.
12. ‘Hide base-maps quickly’ toggle label changed to ‘Show base-maps quickly’. It was backwards before.
13. COGO: ‘intersection 2 points + 2 sides’ name changed to ‘Distance – Distance’.
14. I93 when connecting the instrument, with a known point start, the antenna was defaulting to I90. The antenna type is now synchronized.
15. New Base station working mode, ‘Known point’ switch now remembers the previous selection.
16. Single point calibration now selects the longitude and latitude point Local coordinates which may include a Base shift.
17. When searching points by point name, it was not possible to ‘Just enter a complete point number’ and select it. There is now an ‘Accept’ button on the keyboard, so you don’t need to scroll through the possible matches to grab a point. This was very frustrating if you wanted to select point 1, and there were several hundred points in the range 1001 through 1999. You used to have to literally scroll through a thousand points to get to the 1 at the list bottom. Now you can just enter 1, then click accept.