

RELEASE NOTES

Trimble® Rangefinder Utility Version 1.20

The Trimble® Rangefinder utility team will update this document with each new release of the Trimble Rangefinder utility for the Geo 7X handheld. The document lists releases by date and includes any new features, bug fixes, or significant performance improvements. Please read these release notes carefully.

- Features and changes
- Installation instructions
- Legal notices

Features and changes

June 2014 V1.20 (Minor update)

Download version 1.20 (Build 1.20.5.5344). Trimble recommends that all users update their Rangefinder utility to this version.

New features and application behavior:

- **Repeat Measurement mode.** Allows all measurement modes to have multiple measurements made without minimizing the application at the acceptance step. Useful for multi-step workflows, for example, when trying to capture multiple measurements of a single asset using a 3-shot Height workflow; using Repeat Measurement mode, the need to re-measure the distance and base for each repeated height is eliminated.
- **Bluetooth output.** Support added for using Rangefinder on the Geo 7X handheld with a separate field computer (for example a Windows® Tablet). Both Rangefinder NMEA measurements and the Geo 7X handheld's GNSS raw NMEA stream can be output via Bluetooth and consumed by a device that is paired to the handheld.
- **Copy results to clipboard.** All Rangefinder measurements are copied to the virtual clipboard, and can be pasted in to any other text field on an application running on the handheld.
- **3-point Height workflow.** The workflow for 3-point heights now captures measurements in the order 1) Distance, 2) Base angle, 3) Top angle.
- **Audio feedback.** Workflows and button presses have been supplemented with audio feedback to better indicate if measurements were successful or otherwise. This feature can be disabled under *Settings* for those who prefer silent operation.

- **Improved camera visibility.** Added a feature (HALO) that boosts targeting efficiency in harsh ambient lighting conditions. HALO is accessible directly from the video targeting screen with a simple toggle switch.
- **Updated icons.** Updated the look and feel of the on-camera icons to better match the rest of the interface. The zoom +/- icons are now also split out into three different zoom states. To keep the targeting screen clear and easy to use, on camera icons (Zoom controls and the HALO icon) now auto-hide after a period of 5 seconds if they have not been used. To make them re-appear, just tap the display. Tap again to make them auto-hide.
- **Updated cross-hairs.** Cross-hairs now change as your workflow steps change to better indicate the type of measurement you are performing.
- **About screen and installed version reporting.** The currently installed version is reported in the new About screen, accessible in the *Settings* menu. It shows the full version including build number so that it is easier to compare your release to new build numbers.

Resolved issues:

- [RFU-13] – Cross-hairs are displayed and pointer is active after Rangefinder has been minimised.
- [RFU-14] – Rangefinder sometimes crashes when you perform sensor alignment from inside Rangefinder.
- [RFU-23] – If device suspends with Rangefinder active, sometimes the Home screen shows on resume.
- [RFU-31] – Cross-hairs are displayed and pointer is active after the device has been suspended.
- [RFU-35] – Inclination and Bearing mode sometimes position the cross-hair in the wrong place.
- [RFU-71] – Rangefinder sometimes crashes after waking up from suspend.
- [RFU-73] – Bearing and inclination not taking device roll into account during angle computation.
- [RFU-74] – Laser pointer stays on during sensor calibration.
- [RFU-109] – Cross-hairs no longer function after screen rotation.
- [RFU-110] – Rangefinder utility still has control of keypad buttons after pressing the Home key.
- [RFU-217] – Menus don't scroll until after you have tapped the display.
- [RFU-235] – Workflow step and results UI in sensor view is scrollable.
- [RFU-245] – Video preview turns grey when you change system volume controls.

May 2014 V1.1 (Build 1.1.5.3980)

Build 1.1.5.3980 has been replaced by 1.2.5.5344 and is no longer available for download.

Resolved issues:

- Rangefinder height field can now be adjusted in the French language version of the Rangefinder.

April 2014 V1.1 (Build 1.1.5.3080)

Build 1.1.5.3080 has been replaced by 1.1.5.3980 and is no longer available for download.

New features:

- The Rangefinder laser times out instead of returning false measurements when targeting objects beyond the usable range of the laser.

- The Trimble auto-updating function has been added. With this release (and when the handheld is connected to the Internet), the Rangefinder utility can automatically alert you that new versions of the Rangefinder utility are available. These can be downloaded directly to the handheld.

Resolved issues:


- The Rangefinder utility no longer reports incorrect inclination angles below -45 degrees and above +45 degrees.
- The vertical height offset of the laser is now correctly applied to Offset workflows.
- When the Rangefinder utility is minimized, the targeting cross-hair no longer remains on screen.
- The Japanese language localization has been improved with more suitable translations and strings.
- Miscellaneous language translation fixes.

October 2013 V1.0 (Initial release)

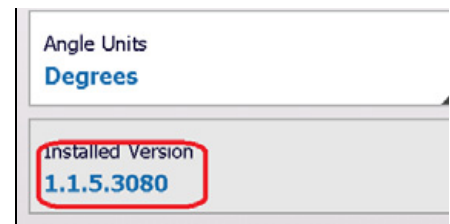
Version 1.0 has been replaced by 1.20 and is no longer available for download.

Installation instructions

Depending on when it was manufactured, your Geo 7X handheld may already have the latest version of the Rangefinder utility installed.

To identify which version is installed on your handheld, tap *Start / Rangefinder* /  (Settings menu). If you have version 1.1 or earlier, the version number is listed at the bottom of the screen.

If you have version 1.20 or later, the version number is included in the **About** menu.



To install or upgrade the Rangefinder utility to the latest version:

1. Go to <http://www.trimble.com/mappingGIS/geo-7-series.aspx>, then click *Technical Support / GeoExplorer Series Downloads / Geo 7 Downloads / Trimble Rangefinder Utility*, and select the *Rangefinder Utility Version 1.20 - INSTALLER* file.
2. Save the file to your desktop.
3. Connect your Geo 7X handheld to your computer using the USB data cable supplied with the handheld.
4. Run the *Rangefinder Utility Version 1.20 - INSTALLER* file on your desktop. Follow the instructions in the InstallShield Wizard.
The utility automatically installs on your office computer, and on the Geo 7X handheld if it is connected.
5. Check the handheld to see if additional steps are needed to complete the installation, and follow any on-screen instructions. When the installation is complete on the handheld, the handheld automatically reboots.
6. On the office computer, click **OK**, then click **Finish**.

Once you have the Rangefinder InstallShield installer file on your office computer, you can use it to install or upgrade to the Rangefinder utility on multiple Geo 7X handhelds:

1. Connect the Geo 7X handheld to your computer using the USB data cable supplied with the handheld.
2. In the Windows Mobile® Device Center, click **Connect without setting up your device**.
3. Hover the mouse over **Programs and Services**, and click **more>>**. Click **Add/Remove programs**, then make sure Trimble Rangefinder is selected. Click **OK**.
4. Check the handheld to see if additional steps are needed to complete the installation, and follow any on-screen instructions. When the installation is complete on the handheld, the handheld automatically reboots.
5. On the office computer, click **OK**.

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This is the June 2014 release (Revision A) of the Trimble Rangefinder utility release notes.