

Trimble S8 Total Station Firmware R11.2.4 Release Notes

Note: Please refer to the Trimble S8 Total Station User Manual for legal information.

Introduction

These release notes contain information about the Trimble S8 Total Station firmware version R11.2.4. In a newly purchased instrument, Trimble S8 Total Station firmware version R11.2.4 is already installed from the factory. It is also available for download from www.trimble.com/trimbles8 for existing customers.



Upgrading From a Previous Version of Firmware

If you have a Trimble S8 Total Station running an older version of firmware, you can upgrade to version R11.2.4 yourself.

To check the version of firmware that is currently on your instrument:

1. Ensure that the Trimble CU / Trimble TSC2 controller is removed and that you have a fully charged battery in the instrument.
2. Turn on the Trimble S8 Total Station by pressing the trigger key on the side of the instrument.
3. Navigate to the *Setup* menu on the face-2 display.
4. Select *Firmware version* from the *Setup* menu. The version of firmware installed on the instrument is displayed.

To upgrade your Trimble S8 Total Station to firmware version R11.2.4:

1. Download the file *Trimble S8 Total Station Firmware R11.2.4.exe* from www.trimble.com/trimbles8 and save it to a convenient location on your office computer.
2. Connect a Hirose 6-pin to PC USB cable (part number 73840001 or 738140019) from the instrument foot connector labeled *COM* to a USB port on the office computer.
3. Ensure that the Trimble CU / Trimble TSC2 controller is removed and that you have a fully charged battery in the instrument.
4. Run the file *Trimble S8 Total Station Firmware R11.2.4.exe* that you saved on the office computer to begin the firmware upgrade.
5. Follow the instructions in the installation wizard to complete the upgrade.

Using the Trimble S8 Total Station with other Trimble Products

Trimble S8 Total Station firmware version R11.2.4 is compatible with the following Trimble survey field software.

- Trimble Survey Controller version 12.20 or later on the Trimble CU and Trimble TSC2.
- Trimble Survey Manager Field and Tablet PC version 2.51 or later.

Please check the release notes for the respective Trimble survey field software for more specific product information including operating system and Trimble office software requirements.

IMPORTANT: This version of Trimble S8 Total Station firmware is not compatible with versions of Trimble survey field software older than those listed above. Please take note of the following information before upgrading your Trimble S8 Total Station.

If you have a new instrument that was delivered with firmware version R11.2.4 already installed, please note that any controller that will be used with the new instrument is required to run the respective Trimble survey field software version listed above or later. Controllers delivered at the same time as a new instrument will already have the latest versions installed. Older controllers that you already own might need to be upgraded to their latest versions. Note that this will require a valid software warranty agreement for the Trimble survey field software. Please contact your local Trimble representative for more information regarding software warranties.

Trimble S8 Total Station firmware version R11.2.4 is compatible with the following Trimble survey office software.

- Trimble 4D Control version 1.10 or later running on the Microsoft Windows XP, Vista and Server 2003 operating systems.
 - Note that the Long Range FineLock version of the Trimble S8 requires Trimble 4D Control version 1.21 or later.

Please check the release notes for the respective Trimble survey office software for more specific product information.

Trimble always recommends that customers regularly check www.trimble.com for the latest versions of software and firmware for all of their Trimble products.

New Features / Enhancements

The Trimble S8 Total Station firmware version R11.2.4 includes the following new features and enhancements:

- **FineLock.** Improvements to FineLock functionality for measuring in tunnels – or other confined areas - where other prisms are in the field of view, and are closer to the total station than the prism that is being measured.
- **FineLock with TCU.** Fixed a problem when measuring with FineLock using a TCU with Survey Controller mounted on the Trimble S8 – where instrument responded “no – target” even when locked on to the prism.
- **StoreTrackerCorrection.** Fixed a problem that is only applicable for production and service applications.