

Trimble S6 Total Station Firmware R10.0.58 Release Notes

Note: Please refer to the Trimble S6 Total Station User Manual for legal information.

Introduction

These release notes contain information about the Trimble S6 Total Station firmware version R10.0.58. In a newly purchased instrument, Trimble S6 Total Station firmware version R10.0.58 is already installed from the factory. It is also available for download from www.trimble.com/trimbles6 for existing customers.



Upgrading From a Previous Version of Firmware

If you have a Trimble S6 Total Station running an older version of firmware, you can upgrade to version R10.0.58 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 S6 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 S6 Total Station to firmware version R10.0.58:

1. Download the file *Trimble S6 Total Station Firmware R10.0.58.exe* from www.trimble.com/trimbles6 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 S6 Total Station Firmware R10.0.58.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 S6 Total Station with other Trimble Products

Trimble S6 Total Station firmware version R10.0.58 is compatible with the following Trimble survey field software.

- Trimble Survey Controller version 12.00 or later on the Trimble CU and Trimble TSC2.
- Trimble Survey Controller version 11.33 or later on the Trimble TSCe.
- Trimble Survey Manager Field and Tablet PC version 2.40 or later.
- TDS Survey Pro with TSX version 4.3.0 or later.

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

IMPORTANT: This version of Trimble S6 Total Station firmware is not compatible with versions of Trimble survey field software older than those listed above. Similarly, these versions of Trimble survey field software are not compatible with versions of the Trimble S6 Total Station firmware older than R5.1.6. Please take note of the following information before upgrading your Trimble S6 Total Station.

If you have a new instrument that was delivered with firmware version R10.0.58 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.

In the event that you upgrade your Trimble S6 Total Station firmware to version R10.0.58 but do not have the survey field software to support this version, it is possible to downgrade the Trimble S6 Total Station firmware to a previous version which is also available on www.trimble.com/trimbles6.

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 S6 Total Station firmware version R10.0.58 includes the following new features and enhancements:

- **Service Information.** There is a new option in the *Setup* menu of the face-2 display called *Service Information*. Selecting this menu item displays the date and the number of hours of operation until the next recommended service. This is set to 15 months from the date of manufacture or 3000 hours of operation (whichever is sooner). These values are reset when an instrument is serviced. Note: for customers upgrading their Trimble S6 Total Station to firmware version R10.0.58, the *Service Information* option will not appear in the *Setup* menu until the instrument has been serviced at an authorized Trimble Service provider. Please contact your local Trimble representative for more information.