



# Release Notes Bulletin

GEOSPATIAL  
14 AUGUST 2017

## TRIMBLE S5, S7, S9 & S9HP TOTAL STATION FIRMWARE H1.1.26 RELEASE NOTES

**Note:** Please refer to the Total Station User Manual for your instrument model for legal information.

### Introduction

These release notes contain information about the Trimble S5, S7, S9 & S9HP Total Station firmware version H1.1.26. In a newly purchased instrument, this version of firmware is already be installed from the factory. It is also available for download from one of the following links under Downloads:

S5 <https://geospatial.trimble.com/products-and-solutions/s5>  
S7 <https://geospatial.trimble.com/products-and-solutions/s7>  
S9 <https://geospatial.trimble.com/products-and-solutions/s9>  
S9HP <https://geospatial.trimble.com/products-and-solutions/s9-hp>

### Upgrading From a Previous Version of Firmware

If you have a Trimble S5, S7, S9 & S9HP Total Station running an older version of firmware, you can upgrade to version H1.1.26 yourself.

*NOTE: Trimble Optical Positioning Components R4.7.41 (or newer) must first be installed on the PC before you can load the firmware. This software is WIN 7 (32 bit and 64 bit) compatible, so install the correct version for your operating system. The zip file containing the SNP components can be downloaded from one of the following links under Downloads:*

S5 <https://geospatial.trimble.com/products-and-solutions/s5>  
S7 <https://geospatial.trimble.com/products-and-solutions/s7>  
S9 <https://geospatial.trimble.com/products-and-solutions/s9>  
S9HP <https://geospatial.trimble.com/products-and-solutions/s9-hp>

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

1. Turn on the Trimble Total Station by pressing the trigger key on the side of the instrument.
2. Navigate to the Setup menu on the face-2 display.

<http://xxxpartners.trimble.com> [www.trimble.com](http://www.trimble.com) (remove non-applicable)

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3. Select Firmware version from the Setup menu. This will display the version of firmware installed on the instrument.

### To upgrade your Trimble Total Station to firmware version H1.1.26:

1. Download the file “Trimble Total Station Firmware Update H1.1.26.exe” from one of the following links under Downloads and save it to a convenient location on your office computer.

|      |   |
|------|---|
| S5   | <a href="https://geospatial.trimble.com/products-and-solutions/s5">https://geospatial.trimble.com/products-and-solutions/s5</a>       |
| S7   | <a href="https://geospatial.trimble.com/products-and-solutions/s7">https://geospatial.trimble.com/products-and-solutions/s7</a>       |
| S9   | <a href="https://geospatial.trimble.com/products-and-solutions/s9">https://geospatial.trimble.com/products-and-solutions/s9</a>       |
| S9HP | <a href="https://geospatial.trimble.com/products-and-solutions/s9-hp">https://geospatial.trimble.com/products-and-solutions/s9-hp</a> |

2. Connect a Hirose 6-pin to PC USB cable (part number 738140019 or 53099032) from the instrument foot connector labelled COM to a USB port on the office computer.
3. Ensure that the instrument is not connected to any controller and the Trimble CU removed. Insert a fully charged battery into the instrument.
4. Turn on the Trimble Total Station by pressing the trigger key on the side of the instrument.
5. Run the file “Trimble Total Station Firmware Update H1.1.26.exe” that you saved on the office computer to begin the firmware upgrade.
6. Follow the instructions in the installation wizard to complete the upgrade.

## Using the Trimble S5, S7, S9 & S9HP Total Station with other Trimble Products

Trimble Total Station firmware version H1.1.26 is compatible with the following Trimble survey field software.

- Trimble Access 1.0 or later.
- Trimble Survey Controller version 11.33 or later.
- Trimble Survey Manager Field and Tablet PC version 2.40 or later.
- Trimble Survey Pro software with TSX version 4.3.0 or later.

**IMPORTANT:** *This version of Trimble 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 Total Station.*

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.

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](http://www.trimble.com) for the latest versions of software and firmware for all of their Trimble products.

## New Features / Enhancements

The Trimble Total Station firmware version H1.1.26 includes the following new features and enhancements:

### Version H1.1.26

- Support for long range distance in prism mode for the Trimble S5 Total Station
- Support for the new IPC2 board increment

### Version H1.1.20

- Updates to the handling of tilt sensor
- Improved EDM type detection and status handling

### Version H1.1.14

- Support in the firmware for minor hardware updates to the OTC3 board

### Version H1.1.13

- Dual Echo detection prevents unwanted influences to EDM measurements with DR Plus towards an AT360 target.
  - Trimble Access version 2015.20 and later will alert users “Multiple Reflective Objects Detected” with no measurement possible during this condition.
- Range limited to 100m (328ft) to EDM measurements with DR HP EDM towards AT360 target.
  - On standard S5 (DR Plus) models the range is unaffected

## For more information

For more information contact your local Trimble Distribution Partner.