

RELEASE NOTES

Trimble® SPS Series Total Stations

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Version C7.2.2
Revision A
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Release notice

This is the September 2008 release (Revision A) of the *Trimble® SPS Series Total Stations Release Notes*. It applies to version C7.2.2 firmware.

Notice to our European Union customers

For product recycling instructions and more information, please go to www.trimble.com/ev.shtml.

Recycling in Europe: To recycle Trimble WEEE (Waste Electrical and Electronic Equipment, products that run on electrical power.), Call +31 497 53 24 30, and ask for the "WEEE Associate". Or, mail a request for recycling instructions to:

Trimble Europe BV
c/o Menlo Worldwide Logistics
Meerheide 45
5521 DZ Eersel, NL



Introduction

These release notes contain information about the Trimble® SPS Series Total Station firmware version C7.2.2.

In a newly purchased instrument, firmware version C7.2.2 is already installed. For existing customers with older firmware on the instrument, you can also download it from the Trimble website (www.trimble.com) under the appropriate product nomenclature folder.

Upgrading from a previous version of firmware

If you have a Trimble SPS Series Total Station running an older version of firmware, you can upgrade to version C7.2.2 yourself.

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

1. Ensure that the Trimble CU controller, Trimble TSC2® controller, or Trimble Recon® handheld controller is not connected and that you have a fully charged battery in the instrument.
2. Turn on the Trimble SPS Series Total Station by pressing the power button/trigger key on the side of the instrument.
3. Navigate to the *Setup* menu on the LCD display.
4. From the *Setup* menu, select *Firmware version*. The version of firmware installed on the instrument is displayed.

To upgrade your Trimble SPS Series Total Station to firmware version C7.2.2:

1. Download the firmware installation file from the appropriate folder on the Trimble website (www.trimble.com/support.shtml) – for example, select SPS930 Universal Total Station and then select Downloads).

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2. Connect a 6-pin Hirose to USB cable (P/N 73840001 or 738140019) from the instrument foot connector labeled COM to a USB port on your computer.
 3. Ensure that the Trimble CU controller, Trimble TSC2 controller, or Trimble Recon handheld controller is not connected and that you have a fully charged battery in the instrument.
 4. Run the firmware installation file you downloaded from the Trimble website to begin the firmware upgrade.
 5. Follow the instructions in the *Installation* wizard to complete the upgrade.

Using the Trimble SPS Series Total Station with other Trimble products

The Trimble SPS Series Total Station firmware version C7.2.2 is only compatible with construction field software.

- SCS900 Site Controller Software, 2.41 or later
- LM80 Layout Manager, 4.21 or later
- GCS900 Grade Control System, 10.8 or later

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



CAUTION – This version of the Trimble SPS Series Total Station firmware is not compatible with versions of Trimble construction field software older than those listed above. Please take note of your Trimble construction field software and SPS Series Total Station firmware before upgrading your Trimble SPS Series Total Station.

If you upgrade your Trimble SPS Series Total Station firmware to version C7.2.2, but do not have the construction field software to support this version, it is possible to downgrade the firmware to an earlier version. Earlier versions are available in the same folder location on the Trimble website where you obtained C7.2.2.

Trimble always recommends that you regularly check the Trimble website for the latest versions of software and firmware for all of your Trimble products.

New features and enhancements

The version C7.2.2 includes the following new features and enhancements:

- Support for Original Equipment Manufacturer (OEM) access.
Version C7.2.2 provides our OEM partners with the ability to interact with the SPS Series Total Stations directly with their own software. Our OEM partners accomplish this through a very detailed interface document that outlines the commands that the OEM's software must send to the instrument in order for it to execute a specific action. The document and access to it are controlled by the Heavy Highway Construction Division and each request is reviewed on a case-by-case basis. Access to this document requires a signed legal agreement between Trimble and the specific OEM partner requesting access. For more information, please contact your local authorized Trimble dealer.
- The name of the firmware has changed from the earlier format of Rx.x.xx to Cx.x.xx. The "C" designates Construction. From this release, firmware for SPS Series Total Stations will start with a C designating it as firmware for use with construction total stations.

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- Support for the Trimble eProtect™ technology. eProtect technology offers you added security with your SPS Series Total Station. You can enable or disable the feature by setting a Personal Identification Number (PIN) on the face 2 display of the total station. Once enabled, the PIN must be entered every time the instrument is powered on. If the PIN is entered incorrectly ten times, the instrument is locked and can only be unlocked by an Trimble Authorized Service Center. This feature has been put in place to deter theft.
 - A new menu option called *Service Info* appears in the *Setup* menu on the instrument's face 2 display. It is designed to help you keep current with the suggested service schedule. When selected, it displays the date of the last service as either how many hours are remaining until the next recommended service, or how many hours the instrument is beyond the recommended service time. When connected to the instrument, version 2.41 and later of the SCS900 Site Controller software displays a warning dialog once the recommended service interval has passed.

Note – *If the Service Info menu option does not appear in the Setup menu on the instrument, then the instrument has not been serviced since this new feature has been available in the firmware. The next time the instrument is serviced, the Trimble Authorized Service Center will reset the data and operational hours on the instrument and you will then see the Service Info option.*

- Minor bugs have been fixed in this firmware.