

# Trimble VX Spatial Station Firmware R11.0.76 Release Notes

Note: Please refer to the Trimble VX Spatial Station User Manual for legal information.

## Introduction

These release notes contain information about the Trimble VX Spatial Station firmware version R11.0.76. In a newly purchased instrument, Trimble VX Spatial Station firmware version R11.0.76 is already installed from the factory. It is also available for download from [www.trimble.com/trimblevx](http://www.trimble.com/trimblevx) for existing customers.



## Upgrading From a Previous Version of Firmware

If you have a Trimble VX Spatial Station running an older version of firmware, you can upgrade to version R11.0.76 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 VX Spatial 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 VX Spatial Station to firmware version R11.0.76:

1. Download the file *Trimble VX Spatial Station Firmware R11.0.76.exe* from [www.trimble.com/trimblevx](http://www.trimble.com/trimblevx) 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 VX Spatial Station Firmware R11.0.76.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 VX Spatial Station with other Trimble Products

Trimble VX Spatial Station firmware version R11.0.76 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 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 VX Spatial 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 VX Spatial Station.

If you have a new instrument that was delivered with firmware version R11.0.76 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 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 VX Spatial Station firmware version R11.0.76 includes the following new features and enhancements:

- **Autofocus.** This new function, standard in all Trimble VX Spatial Station models running firmware version R11.0.76, positions the focusing lens automatically when measuring to known points. This function needs to be enabled in the Trimble application software. Please refer to the user manuals for the Trimble VX Spatial Station and relevant Trimble application software for more specific information.
- **Tunneling.** The scanning speed of the Trimble VX Spatial Station, when being used in conjunction with the tunnel scanning functionality in Trimble Survey Controller version 12.40 or later, has been increased from approximately 0.5 Hz to up to 15 Hz. Please refer to the Trimble Survey Controller help files for more specific information on the tunnel scanning functionality.
- **New instrument models.** This firmware version supports newly released models of the Trimble VX Spatial Station. The currently available instrument models are listed below.
  - VX133200: Trimble VX Spatial Station, Global Radio, Scanning Capable
  - VX133201: Trimble VX Spatial Station, Global Radio, (no scanning) **NEW!**
  - VX133300: Trimble VX Spatial Station, French Radio, Scanning Capable
  - VX133301: Trimble VX Spatial Station, French Radio, (no scanning) **NEW!**
- **Internal Memory.** A problem that could cause the instrument to temporarily stop functioning after extended periods of use has been resolved.