

- when it has to be **right**



Leica Geosystems Release Notes

Product	Leica SmartWorx Viva v8.50 Field Controllers: CS10, CS15 Total Stations: TS11, TS12L, TS15, TM50, TS50, MS50
Release Date	June 17 th , 2019
Maintenance date	1 st December 2017
Available in myWorld	Week 25, 2019



Available via: <https://myworld.leica-geosystems.com/irj/portal>

Contents

1	<i>SmartWorx Viva v8.50 Release Notes - Introduction</i>	3
2	<i>SmartWorx Viva Software Improvements – New features</i>	4
3	<i>SmartWorx Viva Software Improvements – Bug fixes</i>	4

1 SmartWorx Viva v8.50 Release Notes - Introduction

The new SmartWorx Viva version 8.50 is released for all TS Total Stations; GS GNSS sensors and the CS10/CS15 Controllers.

Please do take your time to read these Release Notes. They contain information about

- An extension to the XML export for the Rail app
- Two bug fixes

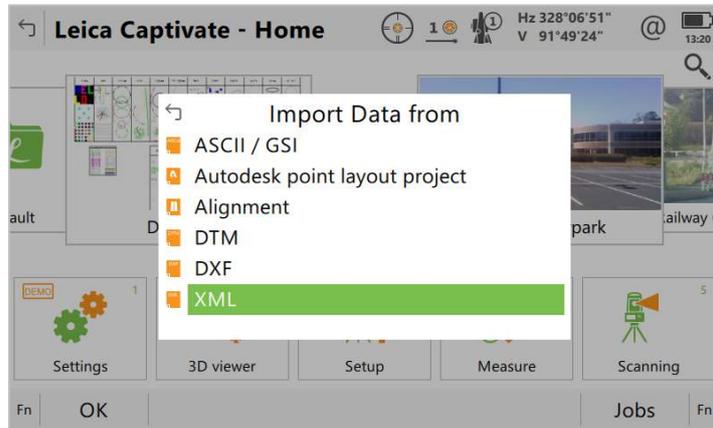
Customer Care Product (CCP) dates	The SmartWorx Viva software version 8.50 can only be loaded onto CS Field Controllers and TS Total Stations which have a CCP date of 01 December 2017 or later.
Jobs, Coordinate Systems, Working Styles, RTK Profiles and other objects	All SmartWorx Viva "objects" (such as Jobs, Coordinate Systems, Working Styles, RTK profiles etc.) created or used within previous SmartWorx Viva firmware versions can be used without problems in SmartWorx Viva v8.50
Version compatibility between CS Field Controllers, TS Total Stations and GS Sensors	<p>There is full compatibility between all CS field controllers, TS instruments and GS sensors and SmartWorx Viva v8.50. Any combination of instruments with this software version can be used, except the GS16 which can only be used with the CS20 field controller and the CS35 tablet.</p> <p>There is NO compatibility to SmartWorx Viva versions prior to v8.00.</p>

2 SmartWorx Viva Software Improvements – New features

Extension to the XML import for the Rail app

The XML import for the Rail app has been extended with two elements:

A table with gauge widening values can be defined in Hexagon XML to define the gauge widening value to apply to the nominal gauge. This is required in rail jobs for curves with small radius.



Cant elements from a LandXML file can now be imported directly in a Rail job using the **Import XML** functionality.

3 SmartWorx Viva Software Improvements – Bug fixes

Linework not properly created when measuring points

In the previous SmartWorx Viva version, there was an issue with continuing a line when using the coding functionality. When measuring a point with a code and the linework to begin line, this point would be properly stored. However, when measuring the next point with the same code, linework would not be properly continued. The continue linework flag would have to manually be added.

This issue is fixed with SmartWorx Viva v8.50

Crash when calculating a triangulation with triangles of very small surface

When calculating a surface, the area is split into triangles for which then the surfaces area is calculated. For surfaces of a certain shape, the calculated triangle would have a very small area, close to zero. With the previous SmartWorx Viva version, in these cases, the software would crash.

This issue is fixed with SmartWorx Viva v8.50