

# Trimble® Positions™ ArcPad Extension: New Features

March 3, 2016

This document describes the new features included in versions of the Trimble® Positions™ ArcPad Extension software since version 10.0.1 was released. The new features are reported relative to the previous version.

*Note – You cannot have two versions of the Positions ArcPad Extension or Positions ArcPad Extension and GPSCorrect software installed at the same time. If you need more information, please see the [Positions ArcPad Extension User Guide](#), [Positions ArcPad Extension Release Notes](#), or the [User Guide for your GPS device](#).*

## **Version 10.2.3.1 (February 2016)**

### **Enhancements:**

- **Esri ArcPad 10.2.3 support.** The Trimble Positions ArcPad extension now supports Esri ArcPad 10.2.3 (in addition to versions previously supported) using the traditional desktop-based checkout and check-in workflow (including QuickProjects).
- **Support for the Trimble R2 GNSS receiver.** The Trimble Positions ArcPad extension can be used to collect data on devices paired with a Trimble R2 GNSS receiver via Bluetooth® wireless technology. Both real-time and postprocessed workflows are supported.
- **Support for the Trimble FieldPoint RTX correction service.** The Trimble Positions ArcPad extension can now configure FieldPoint RTX corrections when using a Trimble GeoExplorer® Geo 7X handheld or a Trimble R2 GNSS receiver.
- **Support for 5 minute RTX convergence.** The Trimble Positions ArcPad extension can now configure 5 minute RTX convergence for users in Western and Central Europe.
- **Support for the Trimble Nomad® 1050 handheld.** The Trimble Positions ArcPad extension can be used to collect data with a Trimble Nomad 1050 handheld. Both real-time and postprocessed workflows are supported.

## **Version 10.2.2.1 (March 2015)**

### **Enhancements:**

- **Support for the Trimble R1 GNSS receiver.** The Trimble Positions ArcPad extension can now be used to collect data on devices paired with a Trimble R1 GNSS receiver via Bluetooth® wireless technology. Both real-time and postprocessed workflows are supported.

## **Version 10.2.1.1 (January 2015)**

### **Enhancements:**

- **Support for Trimble RTX™ technology.** This version supports the forthcoming Trimble RTX technology in the Trimble Geo7X handheld firmware as a primary source of real-time corrections.
- **Support for precise feature heights.** This version adds support for Mean Sea Level calculation in the field by specifying a geoid grid file (GGF) downloaded from the Trimble website and deployed manually to the field device. This setting is via registry entry.
- **Additional hardware support.** The Trimble Positions ArcPad extension can now run on the following field devices:
  - Trimble Juno® 5 Enhanced GPS
  - Trimble Juno T41™
  - Trimble Juno T41 Enhanced GPS.



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### Issues Addressed:

- **SBAS on the Trimble Geo 5T handheld.** Previous versions may have exhibited a problem when using SBAS corrections on a Geo 5T handheld. This has been resolved.

### Version 10.2.0.1 (November 2013)

#### Enhancements:

- **Esri® ArcPad® 10.2 support.** The Trimble Positions ArcPad extension now supports Esri ArcPad 10.2 (in addition to versions previously supported) using the traditional desktop-based check-out and check-in workflow (including QuickProjects).
- **Support for the Trimble GeoExplorer® Geo 7 series and the Geo 7 rangefinder module.**
  - The Geo 7 series' orientation sensors are used to rotate the Skyplot, and to show the current heading in the Navigation section, even when stationary.
  - The Geo 7 rangefinder module, together with the orientation sensors, can be used to collect position offsets and record attribute information for distance and angle measurements.
- **Updated Skyplot screen.**
  - Each GNSS constellation being tracked and used is shown in a different color, with support for GPS, GLONASS, Galileo, Beidou, and QZSS.
  - The SNR graph on the Skyplot screen now also uses colors to represent each GNSS constellation, and only shows satellites that are being used to calculate positions.
- **The Plan screen has been removed.**
- **Improved connection handling for NTRIP-based real-time corrections.** The new version introduces a fixed number of retries to establish the connection to an NTRIP correction source. This applies when the connection is lost.

#### Issues Addressed:

- **Missing prerequisite in Windows installation package.** The Windows installer for the Trimble Positions ArcPad extension now includes the necessary Microsoft Visual C++ Runtime prerequisite.

### Version 10.0.0.2 (April 17, 2013)

#### Enhancements:

- **ProXRT Model 2 Rev C receiver support.** The Trimble Positions ArcPad extension now supports the ProXRT Model 2 Rev C receiver (firmware version 4.71)
- **Development Team Blog.** The Trimble Positions Software Suite Development Team Blog is now available at <http://positionsblog.trimble.com>. Be sure to visit and sign-up to this blog. It was started by the Trimble Positions product development team as a way to better communicate directly with dealers and customers. Please check back frequently for new content.
- **Localization.** Version 10.0.0.2 of the Trimble Positions ArcPad extension is now available in French, German, Spanish (South American), Portuguese (Brazilian), and Japanese languages.
- **Educator license program.** Version 10.0.0.2 of the Trimble Positions ArcPad extension is now available within the educator license program.