



Product Bulletin

April 18th, 2023

Release Announcement

Trimble is pleased to announce version 5.6 of our Trimble Unity Remote Monitoring (RM) and Work Management (WM) software and our all-new Telog RS-45, a versatile Recording Telemetry Unit (RTU) for above-ground asset monitoring. Below, you will find a list of the key benefits, followed by the release details and a list of fixed issues.

Trimble Unity RM 5.6 & Telog RS-45 Release Benefits:

- Support for the all-new [Telog RS-45](#), a rugged wireless recorder system ideal for lift and pump station monitoring, tank level monitoring, pressure distribution system monitoring, I&I studies, and more.
 - **Versatility:** With 24 direct connect channels available, the RS-45 is a versatile system that allows data collection for multiple input types, including analog, digital, and event alarms.
 - **Smart Sensors:** Connect smart sensors, including all Telog flow, level, and pressure sensors, using the integrated MODBUS, SDI12, and I2C hardware interfaces.
 - **Reliability:** Get your data when you need it! A Verizon-certified Cat M1 cellular modem ensures best-in-class data reliability. Sizable onboard memory offers data redundancy with an “Always On” modem mode providing data on demand.
 - **Flexibility:** Connect directly to mains power or an external DC input (battery or solar). Both options include an onboard UPS backup to provide maximum system reliability.
 - **User-friendly:** The RS-45 now offers Bluetooth support for wireless local programming. Improved RTU and sensor configurations are now possible through Trimble Unity RM 5.6.

Trimble Unity WM 5.6 Release Benefits:

- Improve GPS data collection and asset locating using [Trimble DA2](#) receiver, our next generation receiver for the [Trimble Catalyst™](#) GNSS positioning service, offering a simple, precise and affordable GNSS solution.
- Expanded reporting capabilities, advanced sorting for work activities, and the ability to define a search extent from Trimble Unity Web portal.

If you are a Trimble Unity RM or WM cloud-hosted customer, your software has been updated to the latest version.

If you have a dedicated hosted environment, our support team will reach out to coordinate your cloud software update.

If you have an on-premise deployment of Telog Enterprise integrated with Trimble Unity RM, we have released Telog Enterprise version 6.96, available today for [download](#). You will need to upgrade Telog Enterprise to the latest version by (May 19th 2023), before we update your Trimble Unity RM software to version 5.6.

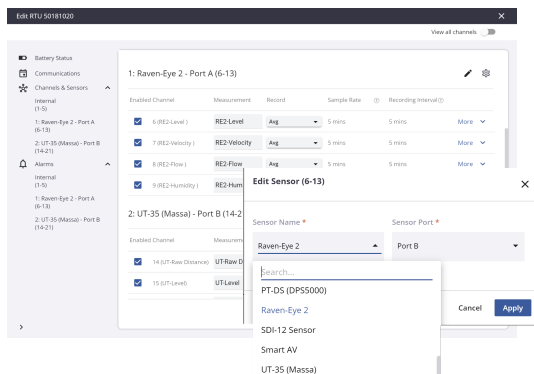
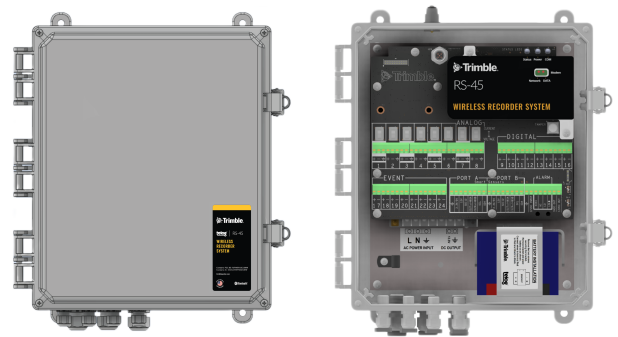
Please join our Telog RS-45 release webinar on May 17th at 2 pm EDT to learn about the latest release and the new RS-45 product, and have the opportunity to ask questions. [Sign up HERE](#)

RELEASE DETAILS

Trimble Unity Remote Monitoring (RM)

Support for the New Telog RS-45 Multichannel RTU

Trimble's Telog® RS-45 is an all-new, versatile, Bluetooth enabled recording telemetry unit (RTU) created for today's demanding data acquisition needs. With 24 built-in channels capable of recording analog, digital, and event signals, it is an ideal choice for any application that requires monitoring multiple inputs, including Pump Stations, Tank Levels, Distribution Pressures, and more. It can be expanded with two external smart sensors, making it suitable for many Flow, CSO, and I&I applications. Trimble Unity RM includes full support for this exciting new Telog RTU.



Sensor Management Support, including the Raven-Eye 2 Non-contact Flow Meter

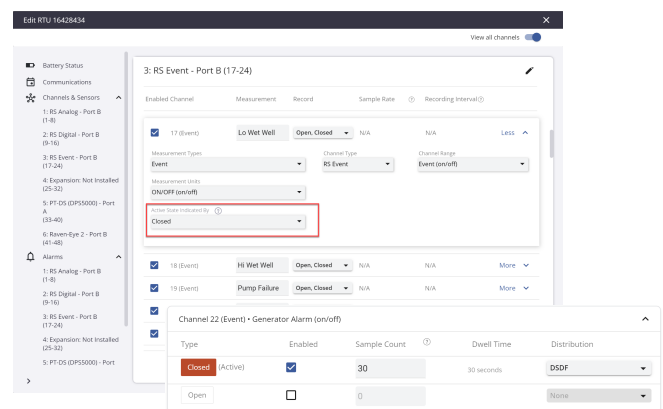
Manage your smart sensors using Trimble Unity RM, avoiding the need to switch between software packages to make RTU configuration changes. RM allows you to add, remove, and configure many of our most popular sensors, including the Raven-Eye 2 Flow Meter. Use the web application to select a sensor, configure what data to record, and program the recording criteria, such as sample rate, recording interval, scaling, measurement type, and units, all in one place.

User Customizable Event Channel Active State

Event channels can record when a switch position changes state. These inputs are often used to capture pumps turning on and off, alarm conditions such as high level or power failure, or any signal that can be characterized as a switch with an uncommitted contact or active logic signal. Setting the *Active State Indicated By* field to either Open or Closed allows you to define the On or Active state for the channel. For alarm inputs, this would be the alarm condition. The active state is graphed as 1 in telemetry reports and reported as On in tabular reports, regardless of the measured value, making the data easier to understand and compare.

Additional Trimble Unity RM Improvements

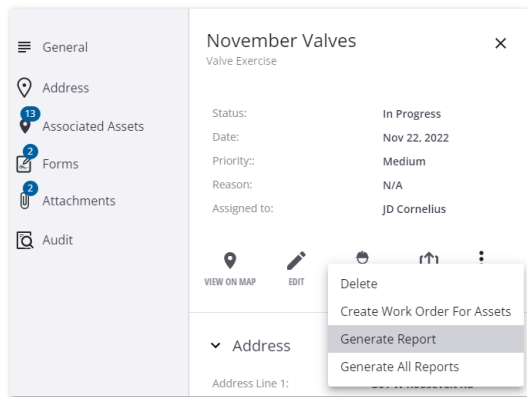
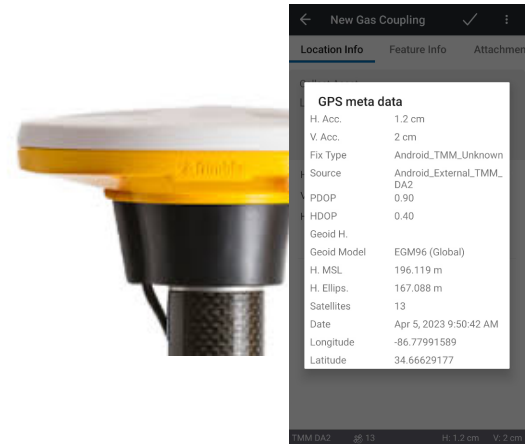
- Improved support for Digital Channels. Now you can convert between Event and Pulse mode or channel scaling without performing an intermediate configuration save.
- Graph the underlying measurement data with a single tap on the alarm record with the Trimble Unity Mobile App.
- Easily select multiple monitoring sites or RTUs by depressing and holding the shift key while checking the second item of a range.
- Allow multiple sort criteria for monitoring sites, RTUs, and work orders.



Trimble Unity Work Management (WM)

Support for Trimble DA2 receiver and Catalyst

The Trimble DA2 is Trimble's newest lightweight and affordable high accuracy GNSS receiver. When paired with Trimble Catalyst GNSS correction service, it provides the flexibility to capture anywhere from sub-meter to centimeter positioning accuracy, addressing your workflow requirements. This combination is now available for Trimble Unity Mobile users on Android and iOS devices.

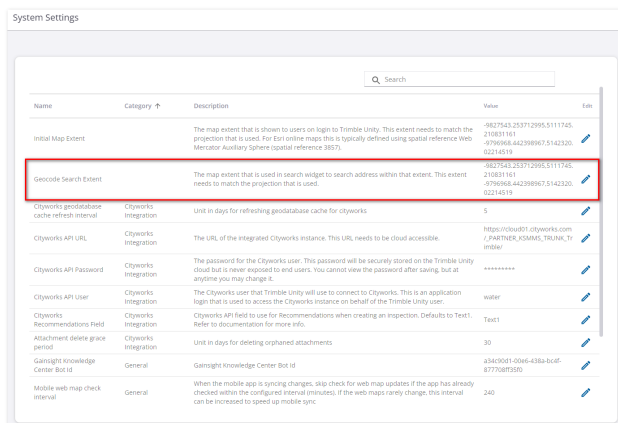
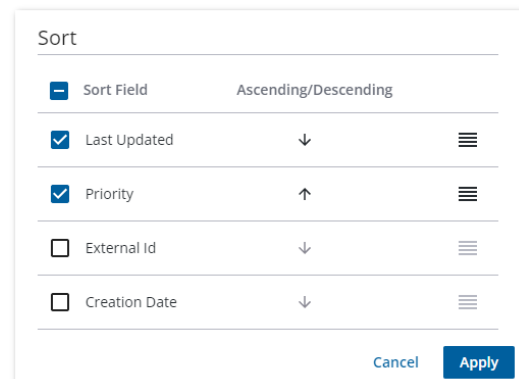


On-Demand Report Generation

Easily generate, access and share work order and asset inspection reports anytime during the work order lifecycle. Trimble Unity Web portal now has the ability to generate on-demand pdf reports from the work order. Once generated, reports are stored as attachments to the work order for easy access and sharing.

Enhanced Work Activity Sorting Capabilities

Get more control over how work activities are sorted in the Trimble Unity Web portal, providing more flexibility to see them in the order that fits your review and activity management needs. Using the new advanced sorting tool, you can easily sort multiple fields in ascending or descending order. You can also drag and drop the fields in the order in which you want the sort applied.



New Address Search Extent Setting

Eliminate unwanted search results outside of your work area when searching for addresses in the search widget on the Trimble Unity web portal. You can now define a Geocode Search Extent from the System Settings that will be used to define the area in which search results are returned.

FIXED ISSUES

Below is the list of issues fixed in this release.

Trimble Unity Remote Monitoring

- URM-3010 - When an RTU starts a New Test, some channel alarms may report an incorrect state
- URM-3020 - Add missing support for the FW-33 RTU

Trimble Unity Work Management

- UWM-5002 User contact info is blank in the user list when assigning work.
- UWM-4889 When using the ArcGIS WM Connector with ArcGIS Dashboards, filters with relative times do not work.
- UWM-4838 Intermittently (rarely), apps may appear 'locked' after login.
- UWM-4339 When exporting a very large number of forms, the export never completes due to timeout on backend. This has been optimized to handle a much larger volume.
- UWM-3920 The work order form list sort-order is reset after drill-down to see details of a form and returning to the list
- UWM-3424 The web app details panel may truncate long contiguous text (e.g. long word or a URL)
- UWM-5024 When form is mapped to an ArcGIS Layer for data mapping, if the GIS layer contains an ArcGIS Coded Value Domain that contains only numeric coded values using a character based code field, the feature is not created when the work order is closed.
- UWM-5001 Mobile sync and web workflow status transitions may take excessive time with complex looped workflows. This change may result in noticeable performance improvement for impacted users.
- UWM-4866 Cannot update a base map TPK with new data using the same map name
- UWM-4132: While editing an app, changing the workflow resets the classification to the default Work Order classification.

Trimble Unity Mobile

- UM-4893 - Intermittent error during auto sync while a new data collection form is being created.
- UM-4809 - Location indicator intermittently not showing on the map after 'View on Map' icon is pressed from Address search result list.
- UM-4610 - Unable to add new attachments onto a field with radio buttons without making changes to the selections
- UM-4347 - Application freezes after being used for extended period of time
- UM-3722 - Some GS1-128 Type Barcodes have an unnecessary prefix when scanned
- UM-4944 - Asset related forms are getting dismissed on sync when Work Order is in the initial draft state