

What's new in LogTag® Analyzer 2.9

Friday, June 29, 2018 - relates to LogTag® Analyzer Version 2.9r8

We are pleased to announce the latest update for LogTag® Analyzer, now released as version 2.9. This update supports upgraded products, but also contains bug fixes and has some new features as well as improved functionality.

We have compiled this information sheet for those who have already used earlier versions and wish to familiarise themselves with the new functionality of version 2.9.

Please also refer to the LogTag® Analyzer User Guide, which can be found in the **HELP menu** of the LogTag® Analyzer software. Both User Guide and Help File are continually updated so you can access concise and accurate information about our products.

Support for new Interface Model

We are proud to introduce support for a new Interface model, the LTI-HID.

The LTI-HID USB interface will replace the current interface and can be installed without requiring a proprietary driver. It also features two indicators at the top (red & green), which identify what actions the interface is currently performing. The LTI-HID will be available in Q3 of 2018. Please ask your distributor for further information.



Figure 1: New USB Interface LTI-HID

Multi-Alarm USB Loggers

Effective immediately the USRIC-8 and UTRIX-16 USB PDF Loggers will be delivered with support for multiple alarm levels.

The USRIC-8M and UTRIX-16M models will therefore be effectively discontinued, and the model numbers will no longer contain the M suffix.

As a result we have re-designed the way alarms are entered in the configuration screen and in the profiles for those two products.

These models can be configured for up to 6 different alarm trigger conditions.

If you wish, you can retain the traditional single upper and lower alarm settings. This will be sufficient for most clients and is presented in the same way as for the USRIC-4:

Figure 2: Alarm configuration for USRIC-8, and UTRIX-16

This screen is presented if the logger's current alarm parameters contain a maximum of one upper and one lower alarm (i.e. both, either, or none at all).

You can, however, add four freely configurable alarm trigger conditions to the primary upper and lower alarms as shown in the next diagram:

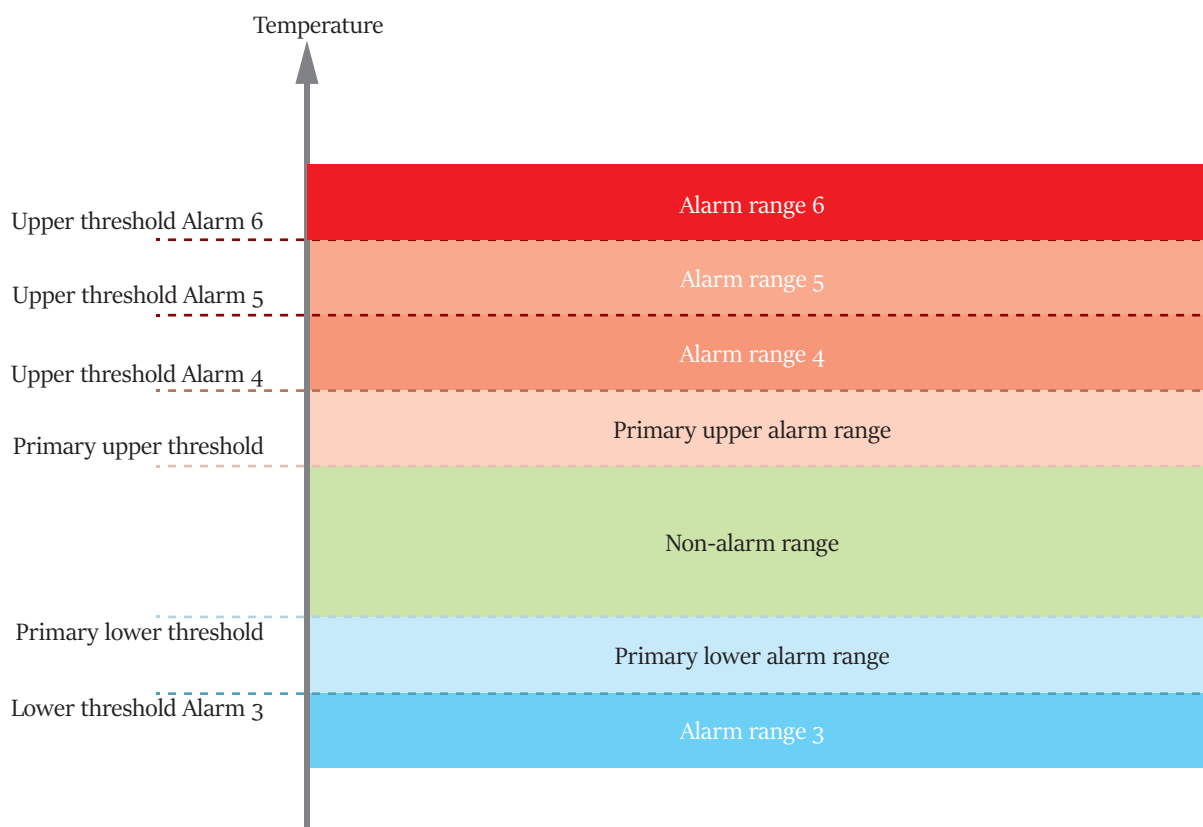


Figure 3: Multiple alarm ranges for USRIC-8

To enter more than two alarm thresholds click **Advanced alarm settings**, which will expand the dialogue to show you up to six lines, each with the option for instant, accumulative or consecutive settings.

LogTag Configure

User ID: UTRIX-16 Configuration Test

Push button start LogTag battery: OK

☒ Enable pre-start logging

☐ Record readings continuously, overwrite oldest when memory full

☒ Record readings go that:

Readings recorded will span at least 5 days

Number of readings to record 16,129 maximum is 16129

Record a reading every 30 Seconds

Begin recording after a delay of 0 Minutes

☒ Enable the OK (Green) indicator <<< Simple alarm settings

Upper alarms

<input type="checkbox"/> 70 °C	Disabled	After	<input type="checkbox"/> 2		
<input checked="" type="checkbox"/> 20.0 °C		After	<input type="checkbox"/> 2		
<input checked="" type="checkbox"/> 12.0 °C		After	<input checked="" type="checkbox"/> 2	Consecutive	violation readings (1 Minute)

Lower alarms

<input checked="" type="checkbox"/> -12.0 °C		After	<input checked="" type="checkbox"/> 2	Accumulative	violation readings (1 Minute)
<input checked="" type="checkbox"/> -25.0 °C		After	<input type="checkbox"/> 2		
<input type="checkbox"/> -25 °C	Disabled	After	<input type="checkbox"/> 2		

☒ Clear and reset alarm when START/MARK button pressed

☒ Alarm remains on even if readings return to non-violation range

☒ Configure requires a password

☐ Download requires a password •••• File Settings

< Back Next > Close Help

Figure 4: Sample Configuration Screen for UTRIX-16

<<< Simple alarm settings

Upper alarms

<input checked="" type="checkbox"/> 25.0 °C	After	<input type="checkbox"/> 2		
<input checked="" type="checkbox"/> 10.0 °C	After	<input checked="" type="checkbox"/> 6	Consecutive	violation readings (30 Minutes)
<input checked="" type="checkbox"/> 8.0 °C	After	<input checked="" type="checkbox"/> 288	Accumulative	violation readings (1 Day)
<input checked="" type="checkbox"/> 8.0 °C	After	<input checked="" type="checkbox"/> 36	Consecutive	violation readings (3 Hours)

Lower alarms

<input checked="" type="checkbox"/> 2.0 °C	After	<input checked="" type="checkbox"/> 36	Consecutive	violation readings (3 Hours)
<input checked="" type="checkbox"/> 0.0 °C	After	<input checked="" type="checkbox"/> 288	Accumulative	violation readings (1 Day)

Figure 5: Representation of 6 alarm trigger conditions in LogTag® Analyzer

Initially, start with the primary upper and lower alarms trigger conditions and activate additional conditions separately. For each threshold value you enable, you can set the usual values such as threshold temperature, activation type and alarm delay value.

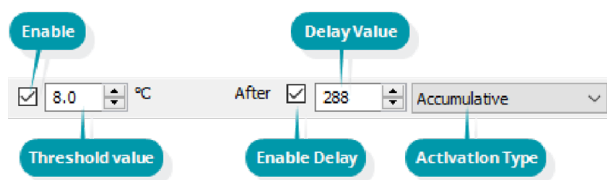


Figure 6: Entry line for alarm trigger conditions

The rules around alarm entry remain as in previous revisions of the software. For more information please read the corresponding section in the user guide.

If you only wish to configure one upper and one lower alarm you can do this by only enabling the primary lower and upper alarms. You can also hide any additional alarms by clicking

[Simple alarm settings](#).



You can switch between advanced alarms and simple alarms at any time during the configuration process.

- When you switch from simple to advanced alarms, any alarms you have already enabled will remain enabled and become the primary upper or lower alarms in the advanced alarm screen.
- When you switch from advanced to simple alarms, the primary upper and lower alarms will be retained, and all remaining entries will be discarded. If you decide to switch back to advanced alarms again, you will have to re-enter these alarms.



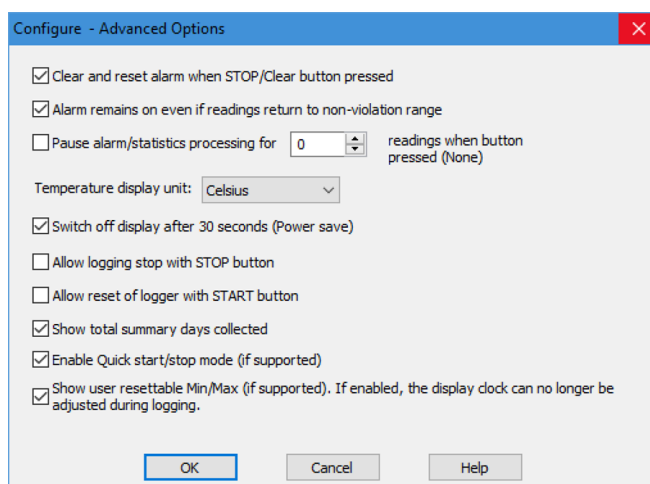
If you are configuring earlier USRIC-8 and UTRIX-16 models that do not support multiple alarm thresholds you will not be able to select the [Advanced Alarm Settings](#).

If you are configuring older and newer units together you will see a yellow warning triangle (⚠) next to the button, reminding you that not all connected units can be configured with advanced (i.e. multiple) alarm settings. In that case, loggers that support the advanced alarm settings will be configured using the values as entered in the advanced alarm screen. For any loggers that do not support the advanced alarm settings, only primary upper and lower alarms will be set. The remaining alarms will be disregarded.

Resettable Min/Max Display for TRED30-16R

LogTag® Analyzer Version 2.9r8 adds support for a new feature, which will be introduced in TRED30-16R products later this year. It will allow the TRED30-16R to display trip minimum/maximum temperatures during review, which the user can reset while the unit is still logging.

During configuration, you can enable this new feature by selecting Show user resettable Min/Max.



If enabled, two additional screens are shown when reviewing the statistics on the device display. These screens contain the minimum and maximum temperature values recorded since the device was started. These values can be cleared on the device, and new Min/Max temperatures will be recorded from the time the values were cleared.

For more detailed information how the values are displayed and how you can clear them please refer to the TRED30-16R User Guide, available from the LogTag® Recorders website at <http://logtagrecorders.com/products>.

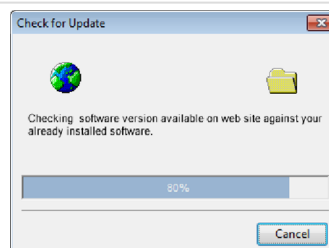


If the option is not presented in the Advanced Options Dialogue, the product does not support this feature.

Updating LogTag® Analyzer

We have made the update process more integral to the software. You no longer need to download the update via your browser, instead, you can download and install the new version directly from the Update window.

LogTag® Analyzer will check if a newer version is available, independent of whether this process started automatically or via the menu.



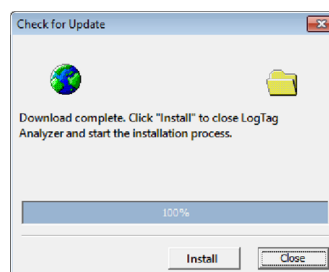
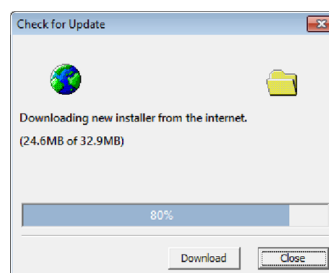
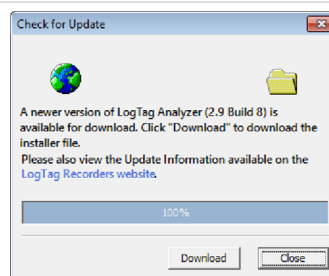
It will offer to download a new version if available.

Any important update information will be published on a special page on the LogTag Recorders website, which you can view by clicking the link.

Click **Download** to download the new installer file to a temporary folder on your PC.

While the new installer file is downloading you can see the progress indication.

Once the download is complete, click **Install** to start the installation process. Follow the instructions given on-screen. LogTag® Analyzer will be closed before the update starts, and will restart once the installation has finished. The old version of the software will be replaced with the new version.



Installing a newer version will update all the relevant program files. It will not affect any of your LogTag data files or your custom settings of the software.



Please note that this will only come into effect when you upgrade 2.9r2 to the next version.

Improvements

We have made some improvements and corrected some bugs from previous versions.

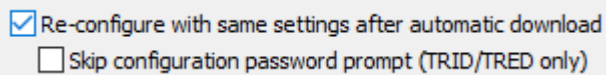
Printer Set-up

We have removed this from the menu, as the same setup page is displayed before printing and displays the default printer setting, this menu entry was superfluous.

Automation for TRID30-7 and TRED30-16R loggers

Often, these loggers are used in stationary applications that require the configuration parameters to remain unchanged, while still allowing regular download and re-configuration by staff.

If enabled, a password does not have to be provided during re-configuration even if a logger was last configured with a configuration password, as long as the data download has been successful.



Bug fixes

As with every release you, our clients, have identified a number of issues, which we fixed with this release. Thank you to all who have brought these to our attention. Here is a complete summary of the changes.

2.9r8

- Improved alarm handling for USRIC-16(M) when applying a configuration profile
- TREX-8/TRIX-8 profile: Alarm flag is now correctly processed when alarms are disabled
- Added text "Advanced alarm settings" to error text in upload dialog, when a 2-alarm USB LogTag® is configured using "Again", after a multi-alarm configuration was uploaded to a previous logger
- Options-Automation dialog now refreshes correctly after a settings import (enable/disable FTP and SMTP settings controls)
- Corrected chart and multi-chart views to draw download/inspection marker on x-axis for TRED30-7 sensor disconnected readings
- USRIC-8/UTRIX-16 configuration dialog: Corrected alarm value temperature conversion from Fahrenheit when clicking "Advanced Alarm settings"
- Chart, report chart, multi chart: Readings with "sensor disconnected" flag at the beginning of the display interval (TRED30-7) are now correctly skipped
- Clicking "Next" or "Again" after trying to configure different logger types or a low battery

TRIL now no longer results in non-responding software

- TRIL 3.14, format version 2 configuration: Return the correct battery percentage as percent of original battery capacity
- Improved low temperature battery remaining percentage calculation for TRIL and SRIL products
- Auto-download for USB loggers: Improved handling when multiple loggers are connected simultaneously
- Optimise export/upload after automatic download: html, txt and csv export now performed in separate thread, pdf export performed, while user can already see downloaded file
- UTRID-16 - Button paused readings now displayed with values in chart
- Corrected alarm threshold statistics calculations (Summary, Chart statistics, Report statistics), use \geq and \leq for all logger types
- "***" is now displayed in the data export for average reading, MKT and StdDev, if no valid readings or readings outside sensor range are found
- Corrected width of readings column in PDF exported data list when paused readings are present. Added the legend text for "Sensor disconnected" symbol in the data list
- Lower alarm limit entry for UTRID-16 will accept -30°C
- Options-Automation-FTP settings-Advanced: Changed "TLS 1.0" to "TLS" to indicate all methods are supported
- Moved controls in the Shift chart dialog to allow for longer User ID to be displayed
- Corrected pdf Report, so the model name for a TRED30-16R is now displayed correctly
- Corrected summary view display rows when all alarms are disabled on a multi-alarm USB logger
- Added support for TRID/TRED user resettable min/max (Advanced TRID/TRED configuration dialog, configuration profiles), including chart displays and Report Event info
- Profile selection listbox now shows long names with a tooltip display
- When "Not all settings are supported" appears in the upload dialogue, a tooltip now shows which settings are not supported
- Better handling of checksums when download is interrupted by a log (avoids non-validated readings)
- Options export: Automatically export customisation settings, if defined (support email, website address, website menu entry, About dialog additional text, Application window title)
- Removed multiple toolbar refresh commands when file opened or .ltd window frame clicked to remove annoying flicker on screen
- Standalone USB driver installer version 1.13 for Windows 7 and older, version 1.14 for

Windows 8 and newer are now installed automatically

- Improved multi-alarm configuration compatibility check (USRIC/UTRIX)
- Corrected slow download with HID/Wifi interface
- USB loggers: Added range checks for alarm values when reading from memory (advertised sensor limits)
- UTRID profile configuration: Don't show "some settings are unsupported", as all settings are supported in all firmware versions for this model

2.9r2

- Added LTI-HID interface support
- CSV/text export: Corrected elapsed time shown in summary, corrected time above/below shown when no readings above or below alarm
- Added new option in Options - Automation: "Skip configuration password prompt" for automatic re-configuration (TRID30-7/TRED30-16R only)
- Improved error message displayed when encountering an unsupported configuration profile version
- Improved software update mechanism
- USRIC-8 and UTRIX-16: Multi-alarm and dual alarm variants of these models can now be configured together, and profiles are compatible for both multi- and dual alarm variants
- Models USRIC-8M and UTRIX-16M are now shown as USRIC-8 and UTRIX-16
- Edit profile dialog: TRID30-7/TRED30-16R: Re-named button "Advanced" to "Advanced Options"
- Added warning triangle next to "Advanced Alarms" button for USRIC-8 and UTRIX-16 profiles
- Edit profile dialog: Limit multi-alarm delay edit fields to 4 digits
- Edit profile dialog: Download password and file generation are mutually exclusive, disable check boxes according to selection (USB loggers)
- Edit profile dialog (all logger types, except TRID30-7/TRED30-16R) and USB logger configuration dialogs: Enable/disable alarm latch check box, based on alarm delay selection (advanced and simple USB logger alarms)
- Edit profile dialog: Enable download password for UTRID-16, USRIC-8 and UTRIX-16
- Edit profile dialog and Configuration dialogs for USB loggers: Download password and file generation are mutually exclusive, disable check boxes according to selection
- Configuration dialogs: Clear previous start delay value, if date/time start is selected
- UTRID-16 file settings dialog always has time zone and temperature unit dialog controls

enabled

- Indicator Reports: Replaced hard coded texts with translated resource strings ("on day", "Alarm configuration", "Alarm", "Alarms")
- Multi chart: Corrected tooltip display for display loggers with daylight time zone in "PDF/display clock" time zone
- Average Chart: Corrected time zone calculation for mix of TRID30-7 and TRIX-8 loggers
- Re-named "Advanced Settings" to "File Settings" in USB logger configuration/profile dialogs
- File Open format list now includes LTA 3.0 file format (.ltdx)
- Corrected report printing layout problem in alarm tables
- Corrected printing zoomed Report (incorrect dates displayed in "First Evaluated", "Last Evaluated", "Evaluated Time")
- "Print all": Don't unzoom zoomed charts after printing
- Removed "Print Setup" from File menu (this dialog is already displayed, before printing charts)
- Quick re-configure: Improved progress bar behaviour
- Updated format version upgrade prompt text when hibernating TRID30-7/TRED30-16R
- Corrected issue with Alert LED thresholds when repeat configuring HAXO 2.0 and 2.2 together
- Corrected various language resources