

What's new in LogTag® Analyzer 2.8

Friday, September 1, 2017 - relates to LogTag® Analyzer Version 2.8r6

We are pleased to announce the latest update for LogTag® Analyzer, now released as version 2.8. 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 2.8.

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.

New USB Recorder with Display - UTRID-16

A new model is available in the family of USB Multi-Use Temperature Recorders, the UTRID-16.



Figure 1: UTRID-16 features

The LogTag® UTRID-16 is a cost effective, multi-use USB PDF Temperature Recorder with a user-replaceable battery, providing a display to allow immediate viewing of current and past temperature and alarm statistics.

The display shows recording status, current temperature, alarm status of up to six user-configurable alarms and duration of any temperature excursions.

When the UTRID-16 is connected to a computer using the integrated USB plug, a detailed PDF report of the recorded temperature data and alarms can be automatically generated.

LogTag® Analyzer Version 2.8 provides full support for configuration and data analysis for this model.

For detailed information about the new functionality please refer to the LogTag® UTRID-16 Product User Guide, available from the LogTag® Recorders website at <http://logtagrecorders.com/products>.

Multi-Alarm USB Recorders

Two enhanced models have been introduced alongside the UTRID-16.

Both the UTRIX-16M and USRIC-8M also allow the use of up to six alarm conditions. More details can be found in [Multi-Alarms in USB Recorders](#) below, and also in the LogTag® Analyzer User Guide, which is available from the Help Menu after you have installed LogTag® Analyzer.

Multi-Alarms in USB Recorders

These new models can be configured for up to 6 different alarm trigger conditions. Depending on the model, different combinations of upper and lower alarms are available.

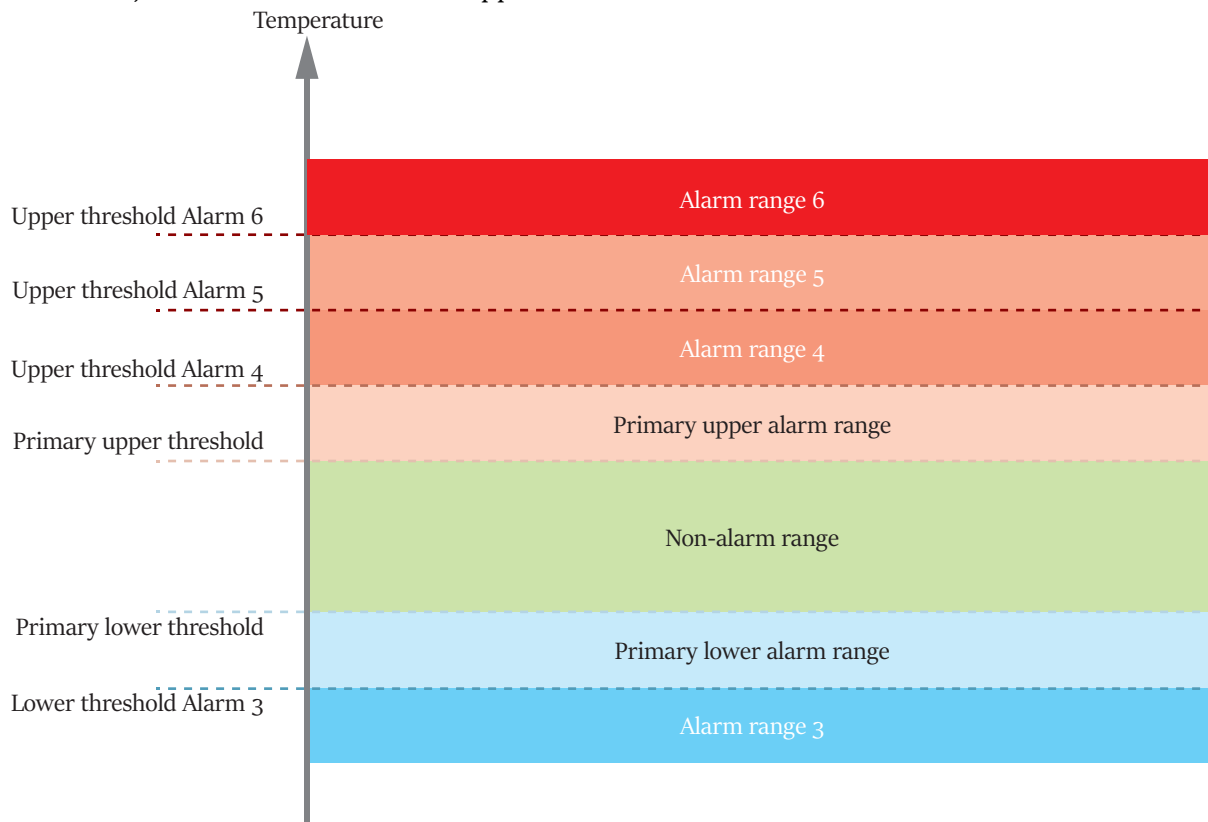


Figure 2: Example Alarm ranges for USRIC-8M

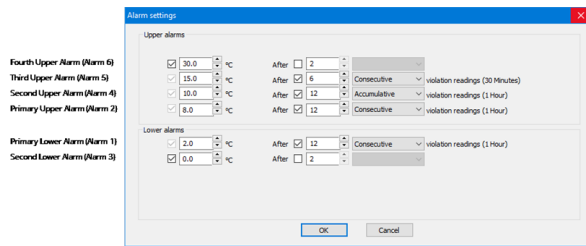


Figure 3: Representation in LogTag[®] Analyzer

- All models have a single primary upper and a single primary lower alarm, just as USRIC-4, USRIC-8 and UTRIX-16.
- USRIC-8M and UTRIX-16M allow four freely configurable alarms in addition to the primary upper and lower alarms.
- UTRID-16 allow two upper and two lower alarms in addition to the primary upper and lower alarms.

Activate each threshold separately, starting with the primary alarms. For each threshold value you can set a temperature value, an alarm delay value and an alarm delay type.

You need to observe some basic rules when entering alarm conditions into the Advanced Alarm Configuration Screen in LogTag[®] Analyzer:

- A primary upper alarm must be entered before more upper alarms can be entered.
- A primary lower alarm must be entered before more lower alarms can be entered.
- Any additional upper alarms must have higher threshold values than any previously entered alarm.
- Any additional lower alarms must have lower threshold values than any previously entered alarm.
- You can enter a different number of upper and lower conditions, or only upper, or only lower conditions, or none at all. You can, however, not make all 6 alarms upper alarms, and you cannot make all 6 alarms lower alarms either.
- Threshold values for adjacent alarms can be equal when combined with different alarm types and delay time values. For example, you can enter a primary upper alarm with an 8°C threshold and 10 accumulative readings, plus an alarm with an 8°C threshold and 5 consecutive readings. In this instance the alarm will be triggered, if either 10 readings in total are above 8°C, or 5 consecutive readings above 8°C have occurred.
- A temperature value can contribute to multiple alarm triggers. In the above example, a value of 18°C would be recorded against the 'above 8°C' alarm as well as against the 'above 15°C' alarm.

Any alarm condition that is enabled will be used to indicate an alert on the recorder (via the Alert LED or the LCD), and will also be shown on the PDF and in the software.

For the UTRID-16 a slightly different screen is shown. Here, the alarm symbols that appear on the LCD are depicted next to the entries in the software. The rules above are the same with one notable addition, that a maximum of three upper and three lower alarm conditions can be entered.

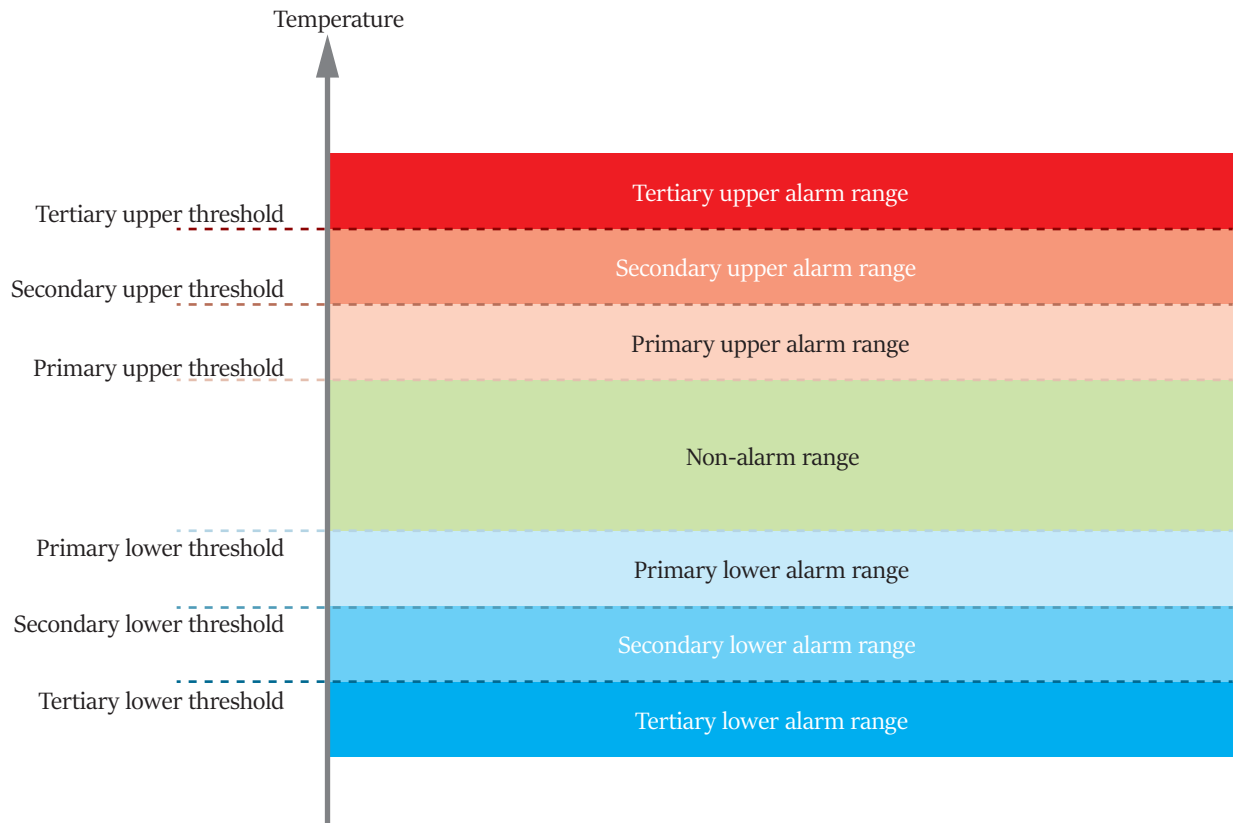


Figure 4: Example Alarm ranges for UTRID-16

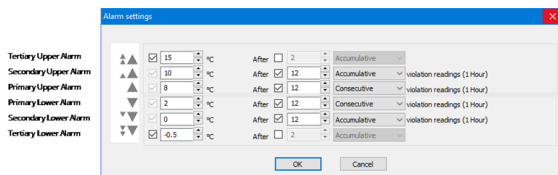


Figure 5: Representation for UTRID-16

Improvements

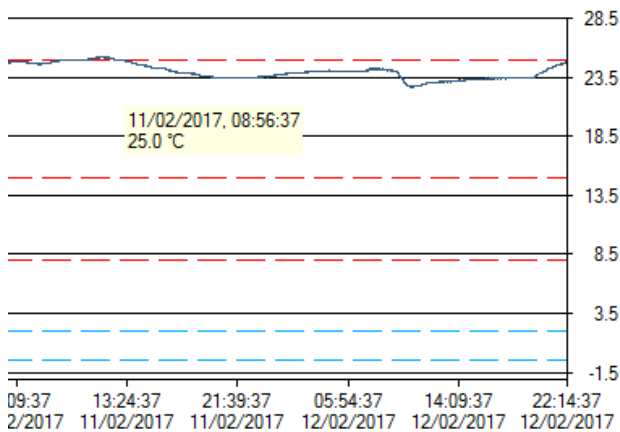
We have made some improvements and corrected some bugs from previous versions.

Improvements to USB Upgrades

If a USB Recorder has not completed its upgrade correctly, and the red ALERT indicator remains lit, the software will now attempt to correct this. Only if this correction fails will you be requested to use the stand-alone upgrader.

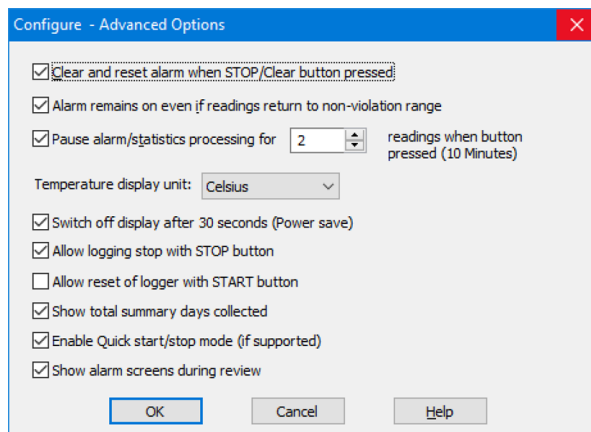
Alarm lines in Reports

With the introduction of the multi-alarm models the report's upper alarm lines are now coloured red, the lower lines blue. This will make it easier to identify the non-alert range for those models. This change also carries through to all other models.



Configuration and Profiles for TRED30-16R recorders

The advanced configuration dialogue that can be displayed during configuration and while setting up profiles contains an extra selection. This allows a user to enable or disable the "Quick Start" option for TRED30-16R models.



When the option is enabled, a TRED30-16R can be started using a much simplified procedure compared to the older TRED30-7R, and also the current TRID30-7 models. If disabled, the start

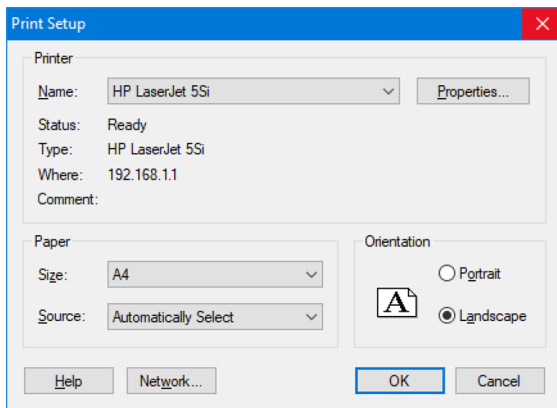
method is the same as with those models. This allows users who are using a mixed range of old and new models to employ the same start procedure across the entire range.

Note: The Quick Start procedure settings also apply to stopping the recorder and to clearing an alarm.

For more information about the new functionality please refer to the TRED30-16R Product User Guide, available from the LogTag® Recorders website at <http://logtagrecorders.com/products>.

Printing multiple documents

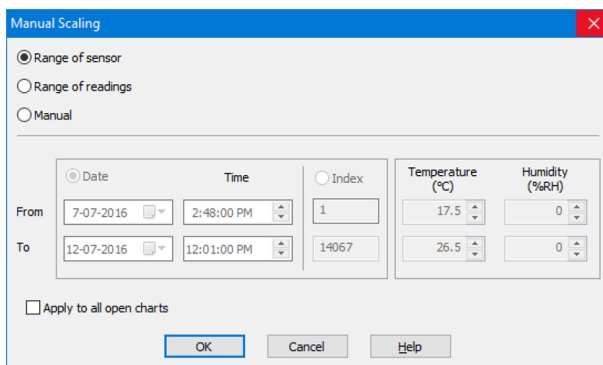
You can now print all currently open documents at once. Click Print All... from the File menu; the following dialogue will be displayed:



Each document's currently active tab will be printed with the respective zoom settings.

Manual Scaling

You can now control the time scale by zooming between two index values, rather than dates and times.



For more details regarding this function please refer to the LogTag® Analyzer User Guide.

Opening USB Recorder PDF Files and *.ltdx Files

Starting with LogTag® Analyzer version 2.8r3 you can open PDF files generated by USB recorders and *.ltdx files generated by LogTag® Analyzer version 3.

For more details regarding this function please refer to the LogTag® Analyzer User Guide.

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:

2.8r2

- Added message when USB recorder in Bootloader mode is detected
- Change colour of alarm lines for lower alarms in report to blue
- iSOTag Day Summary text file export: Corrected trigger time calculation
- Corrected manual scaling bug in Report (repeated manual scaling applied to all charts narrowed down zoomed indices incorrectly)
- Corrected bug where SRIC-4 recorders could not be reconfigured for their initial trip
- Changed error message for corrupted sensor calibration checksum to "Error in sensor configuration", instead of "Unsupported configuration"
- Corrected x-axis position calculation of last skipped reading in USB recorders when pre-start readings present, and the first after-start readings are USB connected

2.8r3

- Configure UTRID/UTRIX-16M dialog: Corrected "clear/reset alarm" text to refer to START/MARK button, not Stop/Clear
- Added "recover from bootloader mode" when attempting configuration or download
- Changed error message for unsupported USB recorder product ID to "Unsupported LogTag version" (previously had "The file ... cannot be opened because it was created with a newer version of the software")
- Updated configuration log file entries for TRID/TRED and USB recorders: Alarm string includes alert delay, evaluate master alarm latched, clearable bits
- Updated MRU exists check on program start, added null pointer check
- Corrected file exists check for .ltd file name containing dots
- USB Recorder configuration: Disable file generation edit controls, if download password and "user cannot change password" are selected
- Alarm statistics use Above/equal, below/equal threshold value for TRID/TRED only, all other recorder types: Above, below
- Corrected multi chart annotation position (PDF/display clock time zone)
- Added UTRID quick start mode (note: Currently, the existing TRID/TRED text "Enable Quick start/stop mode (if supported)" is displayed, this will be changed for 2.8r4)
- Corrected position of ok, next, back, help buttons in English (US) UTRID/UTRIX-M configuration dialog
- UTRID configuration: Correctly store/retrieve "Allow re-start with START button" flag
- Multi-alarm USB Recorders: Corrected "Time above/equal"/"Time below/equal" strings in chart statistics and Summary tab, corrected time above/below value in chart statistics
- USB recorder configuration: Detect error during firmware update, display error information in recorder listbox entry in upload dialog
- Dialog element position corrections in various language resources
- TRID/TRED: Only read/store log buffer covering logs, not complete memory
- Corrected UTRID "Allow re-start with START button" flag handling (now also evaluates/sets LOGTAGINFO.wDACControl flag)

2.8r4

- Added TREL-8 calibration restore to default temperatures on configuration
- Corrected issue with TRED30-16R re-configuration

2.8r5

- Removed duplicate message during TRIX-8 configuration when alarm levels are outside sensor limits
- Corrected date check to work for selection start Day = 31 when saving a file as sltd
- Corrected Multi chart - shift chart function (now finds chart at given cursor position)
- Convert USB recorder to "push button start" before hibernating
- Corrected start time display when USB recorder was previously configured for Date/Time start
- Updated French and Chinese language resources

2.8r6

- Change for TRED30-16R configuration: Clear beeper status on configuration for firmware version 5.2x
- HAXO-8 repeat configuration with "Again": Use correct sensor type to calculate alert ADC values
- If LogTags with different passwords are configured together, use the first recorder's password for all recorders (exception: "User cannot change password" flag set: Leave password unchanged)
- Report tab: Corrected alarm indicator and alarm delay display for SRIC-4, TRIL-8 and SRIL-8
- TRID30-7 "Advanced Options" dialog: Correct Warning message display
- HAXO-8 repeat configuration with "Again": Use correct sensor type to calculate alert ADC values
- SRIC-4, TRIL-8 and SRIL-8, USRIC-4 and USRIC-8: When calculating days since activation during hibernation: Check if current date < activation date, use later of these two.
- Added help button support for Time Shift dialog in multi chart
- Corrected message variable length when saving multi chart file in different directory (prompt user to copy .ltd files)
- Diagnostics e-Mail: Corrected free MAPI resource when custom imported support e-mail address used
- Edit profile dialog: Enable download password for UTRID-16, USRIC-8M and UTRIX-16
- Edit profile dialog: Corrected display of alarm latch, clear, password check box states (were affected by addition of max. readings radio button), added cross-check for USB recorders (download password vs. file generation)
- Edit profile dialog: Disable wraparound button for various models not supporting this feature
- USB multi-alarm dialog: Corrected locale-specific formatting when entering/displaying alarm values
- USB configuration dialogs: Display download password option on dialog start, even if empty password present