LogTag Recorders

User Guide
USRIC-8, USRIC-16, UTRIX-16

ACCESSORIES

Wallmount Bracket

Protective Enclosure
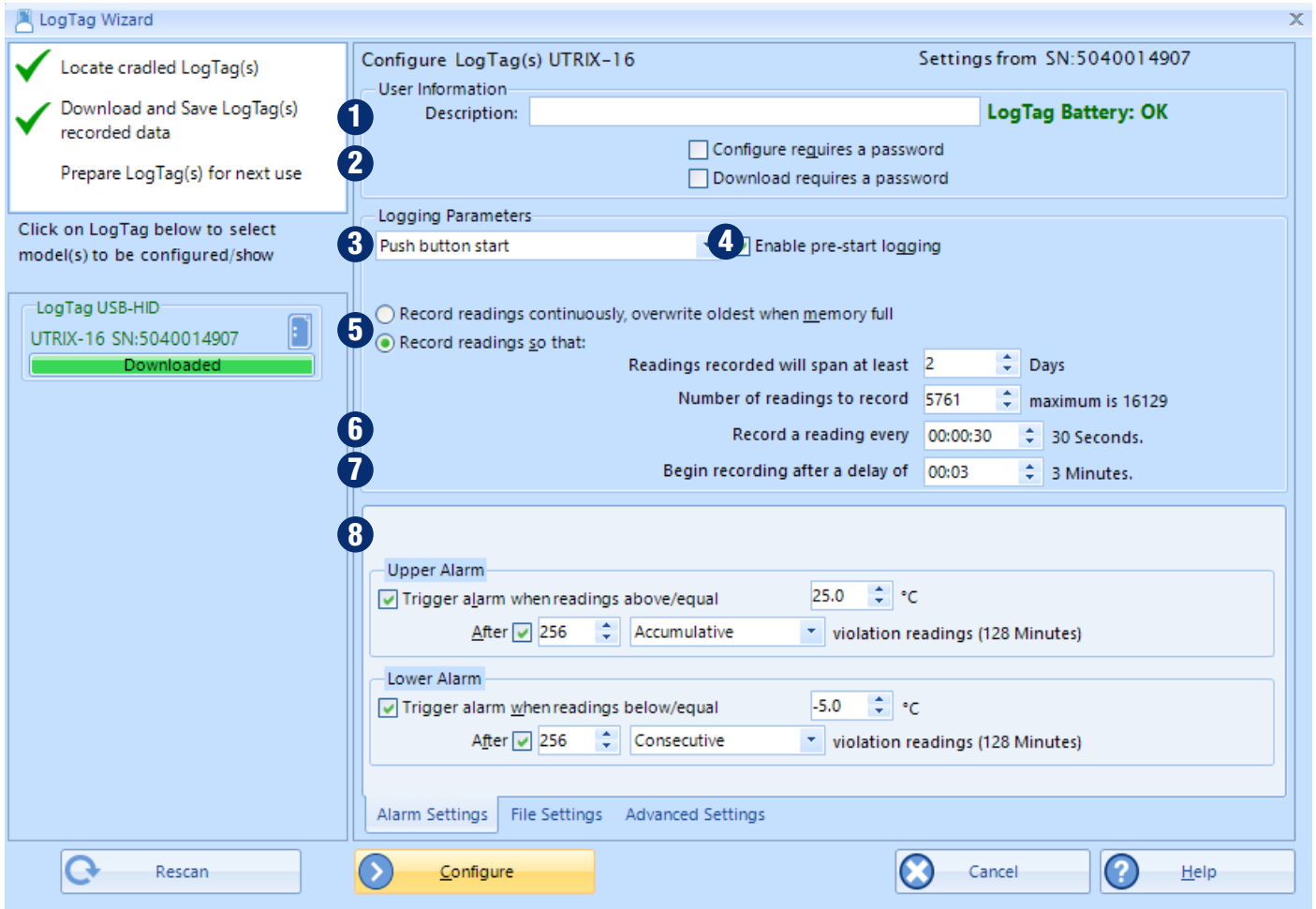
1. SETUP AND CONFIGURATION

Download and install LogTag Analyzer from our website:
www.logtagrecorders.com/software

Connect the Logger to your computer. We recommend to use an USB extension cable or USB hub.

Start LogTag Analyzer. In order to start using your Logger, you need to configure it via the 'LogTag Wizard'. This can be accessed by pressing 'F2' on your keyboard or by clicking the 'Wizard' icon.

1. **Description:** Enter details to identify your Logger. E.g. refrigerator 3. Also the status of your battery is indicated here.

2. **Password:** You have the option to specify a password, which needs to be entered the next time someone configures the Logger or when the results will be downloaded.

3. **Push button start or date/time start:** You can start your Logger by pushing the start button or automate the start by selecting a date/time when the Logger should start recording.

4. **Enable pre-start logging:** When you select this option the Logger will start recording immediately after configuration. This is useful in case the user forgets to start the Logger.

5. **Record readings so that...:** Specify how long you wish to record for.

6. **Record a reading every...:** Choose the duration between each reading.

7. **Begin recording after a delay of:** Enter a start delay if required. A start delay commences upon pressing the start button. This allows the Logger to reach the right temperature before recording starts. This option wont be available with a date/time start.

8. **Setting upper / lower alarms:** Specify the upper temperature alarm and/or the lower temperature alarm if you would like to trigger an alarm.

2. STARTING THE LOGGER

If the Logger has been configured with a Date/Time start, it will start automatically at the configured time.

For push button start, press and hold the '**START/MARK**' button until the red and green LED's start alternate flashing, then release.

> **Note:** Have you forgotten to press the start button? A pre-start recording feature can be activated, to make sure the Logger will monitor the temperature even before the trip has started. No alarms are processed during pre-start logging.

3. DOWNLOAD / RESULTS

1. Open LogTag Analyzer.

2. Connect the Logger to your computer via USB extension cable or USB hub.

3. After a few seconds, the downloaded data will appear. Data can be displayed in Chart-, Data-, Summary- or Day Summary formats by clicking the tabs at the bottom of the window. Data can also be saved in a number of formats, including PDF. You can enable this option during configuration, see file settings.

You will find the PDF report and all the other data in the following folder C:\Users\User\Documents\My LogTag Data, unless the folder location has been changed by the user to their preferred folder location.

4. ADDITIONAL INFORMATION

Light patterns

SIGNAL	SEQUENCE	OCCURRENCE
Wake-up signal	**4** alternate flashes of green/red LED's	• Displayed after configuration has been successfully applied to the Logger. • When a Logger is woken from hibernation state.
Start-up signal	**10** alternate flashes of green/red LED's	• Displayed when the Logger starts its recording cycle. • The delay time is re-started (followed by delay signal).
Logging active, no alert present	Single flash of green LED every **4** seconds	• Indicates the Logger is recording. • This is not displayed when pre-start is active and the main logging cycle has not yet started. It is also not displayed when the green LED has been turned off in the configuration screen.
Logging finished, no alert present	Single flash of green LED every **8** seconds	• Indicates Logger has finished recording. • This is not displayed when the green LED has been turned off in the configuration screen. Will also be displayed when unit has been woken up from hibernation.
Logging finished, alert condition present	Single flash of red LED every **8** seconds	• Indicates the Logger has finished recording and an alert condition was present during the trip.
Logging active, alert condition present	Single flash of red LED every **4** seconds	Displayed when the Logger has been detected an alert condition and the Alert LED has been activated. If an alert is present you cannot determine if the unit is still logging or has finished its log cycle. If the Alert LED has not been activated during configuration, in essence the visual indicators have been disabled, and the green LED will flash every 4 or 8 seconds as above.
Stopping	Sequence of very quick simultaneous flashes of green/red LED's for **2** seconds	When this LED sequence starts, the STOP button must be released for the recorder to stop. With the exception of the USRIC-4. This Logger can't be stopped manually, however it's possible to use the hibernation mode to stop the recording.
Hibernation	LED's are not active	Hibernation reduces the current consumption on Loggers to very low levels. See next page for more information.

BATTERY REPLACEMENT

The battery of your Logger can't be replaced. The battery status can be found in the configuration screen. If you would like to know more about the battery life of your Logger, please visit our website / knowledge base.

Please note that the products do contain a non-rechargeable lithium battery, which must be disposed of in accordance with local regulations.

HIBERNATION

To prolong the life of your Logger you can hibernate your Logger between trips when it is not being used for extended periods. Loggers can be hibernated via LogTag Analyzer by selecting 'Hibernate' from the LogTag menu. When hibernated, all logging functions are suspended, all indicators are turned off and internal components are switched to low power. This reduces the current consumption on Loggers to very low levels.

Check our website for more information about the hibernation setting.

CALIBRATION

In order to calibrate your Logger, you need to use our LogTag Calibrate software. LogTag Recorders releases our LogTag Calibrate software only to selected users who have suitable equipment and credentials relating to standard practices of temperature and/or humidity calibration.

If you require calibration of your Logger(s), please contact your local supplier.

WATER DAMAGE

Please remember that none of the Loggers can be immersed into liquids. For more specific information, check your user guide for the IP rating.