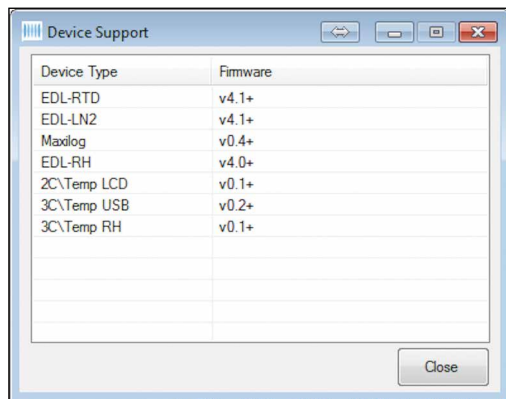


MARATHON PRODUCTS, INC.

Maxi-Thermal2 Software

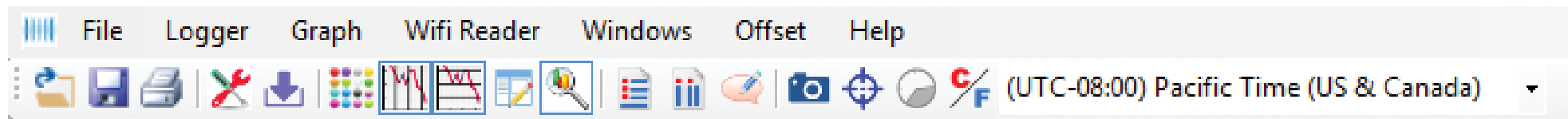


Works with EDL-RTD, EDL-LN2, EDL-RH, MaxiLog, 2c\temp-LCD, 3c\temp-USB, 3c\temp-RH.

You need to **“Run As Administrator”** when you install the MaxiThermal Software.



Understanding the Menu Bar



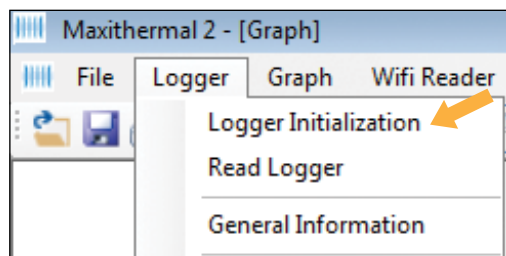
- | | | | |
|----------------------------------|-----------------------------------|----------------------------|------------------------------------|
| 1 Open File | 6 Change color of graph lines | 11 Summary | 15 View graph point |
| 2 Save File | 7 Show/Hide vertical grid lines | 12 View Data | 16 Show/Hide Elapsed Time |
| 3 Print currently displayed file | 8 Show/Hide horizontal grid lines | 13 Edit Comment | 17 Change units Celsius/Fahrenheit |
| 4 Logger Initialization | 9 Change Graph Title | 14 Copy graph to clipboard | 18 Time Zone |
| 5 Read Logger | 10 Show/Hide Legend | | |

QUICK START GUIDE

Programming The Logger

Begin by starting the MaxiThermal software, connect the USB cable, then connect the Marathon data logger.

On the menu bar select **Logger / Logger Initialization** in the drop-down menu. The Logger Initialization Window will open.



1. If more than one logger is connected, use the dropdown menu to choose which logger to program. If the logger was connected after opening the **Logger Initialization** window, use the **Scan** button to find it..
2. For **Description**, enter a Descriptive name for the recording.
3. For **Logger Clock**, select the Time Zone for the logger clock.
4. For **Unit**, select temperature scale, °F = Fahrenheit or °C = Celsius.
5. Select a **Start Delay** time if you want a delay after pressing the start button, before starting to record.

The 'Logger Initialization' window contains the following fields and controls:

- Scan Logger:** A dropdown menu showing '3C\TempUSB' and a 'Scan' button (1).
- Description:** A text field containing '3c\temp USB Data Logger' (2).
- Logger Clock:** A dropdown menu showing '(UTC-08:00) Pacific Time (US & Canada)' (3).
- Unit:** Radio buttons for 'Celsius' (selected) and 'Fahrenheit' (4).
- Memory Configuration:** Radio buttons for 'Record to End of Memory' (selected) and 'Continuous Memory'.
- Stop Key:** Radio buttons for 'Yes' and 'No' (12).
- Log:** A text area for logging messages (14).
- Recording:** Fields for 'Start delay' (0), 'Duration' (4 hours, 0 minutes, 4 seconds) (5, 6, 7), and 'Interval' (0 hours, 0 minutes, 45 seconds).
- Alarm:** Fields for 'Minimum' (10), 'Maximum' (20), and 'Quarantine' (0) (8a, 8b, 8c). A 'No alarm' checkbox is also present (8d).
- External Alarm:** Fields for 'Minimum' (10) and 'Maximum' (18) (9).
- Humidity:** Fields for 'Minimum' (20) and 'Maximum' (60) (10).
- Vibration:** Fields for 'Range' (G) and 'Sampling rate' (Hz) (11).
- Program Unit:** A button to start recording (13).

6. Select the **Duration** of recording time. The Sampling **Interval** will be automatically calculated.
7. Or, select the **Interval**, desired. The **Duration** will be automatically calculated.
8. **Alarm:**
 - a. If you want a High Alarm, enter the temperature for the **Maximum**.
 - b. If you want a Low Alarm, enter the temperature for the **Minimum**.
 - c. **Quarantine** allows setting how many measurements taken outside the alarm limits is acceptable. For example, if the measurement interval is 1 minute, and the environment cannot exceed those limits for more than 5 minutes, then you would enter a 5 into the quarantine field. If more than 5 measurements are taken, then "Quarantine" will be shown on the display and reports. Not all logger models support this function.
 - d. If you don't want an Alarm, click the **No Alarm** radio button.
9. For loggers with dual sensors (edI-LN2 and edI-RTD2), enter the **Maximum** and **Minimum** Alarm values for the external sensor.
10. For loggers with Humidity sensors, enter the **Maximum** and **Minimum** Alarm values.
11. For loggers with Vibration sensors, enter the **Maximum** and **Minimum** Alarm values.
12. Under **Stop Key**, click the **Yes** radio button to allow the logger to be stopped manually (by holding down the start button for 4 seconds while the logger is recording). To disable this feature, click on the **No** radio button.

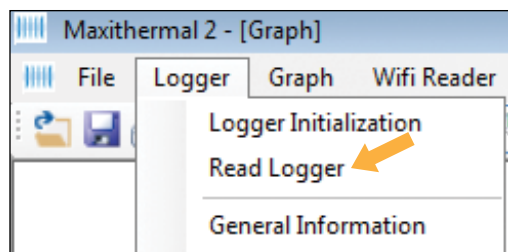
13. Click **Program Unit** to write the new configuration to the logger.

The progress bars will appear and **Event Log** (14) will update with Write successful and End Settings successful.

The logger is ready to run. To start recording, press and hold the **START** button on the unit until the green light flashes, or the display indicates that the unit is recording.

The 'Logger Initialization' window is shown with a modal dialog box titled 'DO NOT DISCONNECT LOGGER' in the center. The dialog box contains the text 'WRITING DATA' and a green progress bar. The background window shows the same settings as the previous screenshot, but with the 'Program Unit' button highlighted.

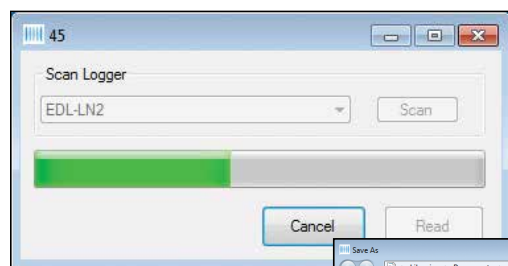
Reading The Logger



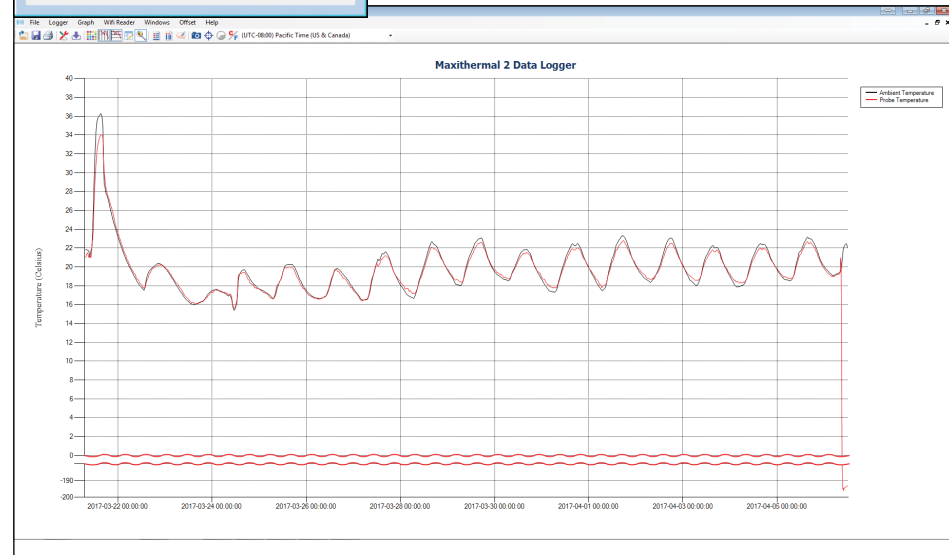
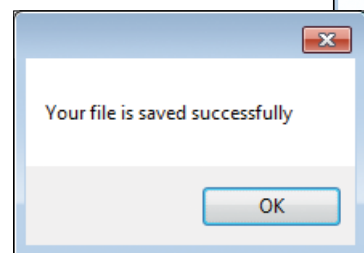
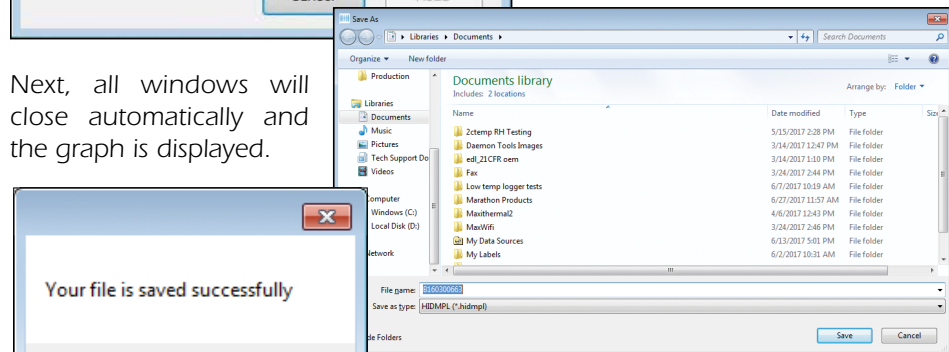
Begin by starting the MaxiThermal software, connect the USB cable, then connect the Marathon data logger.

■ On the menu bar select **Logger / Read Logger** in the drop-down menu.

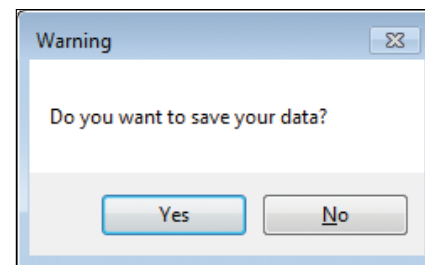
When the progress bar fills up, the Windows file explorer opens to choose a location to save the file. A dialog box will pop up once the location has been chosen letting you know the file has been saved successfully.



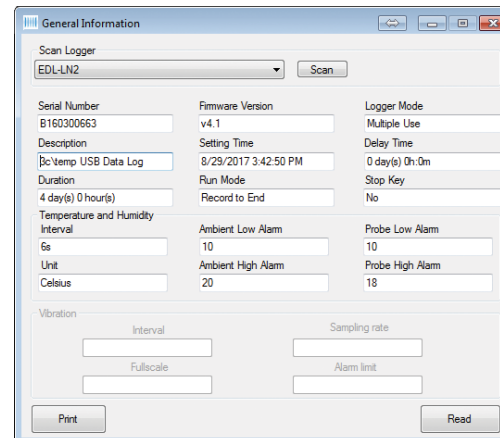
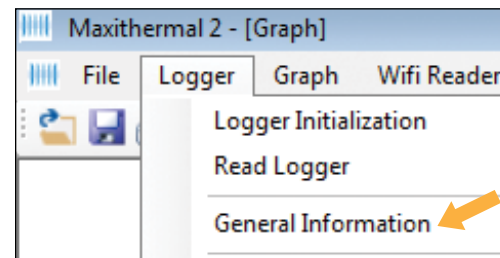
Next, all windows will close automatically and the graph is displayed.



When you close the plot a warning window will open which asks if you want to save the data. Click **Yes** or **No**. The file has already been saved. Unless the file has been modified (e.g. titles changed), click **No**.

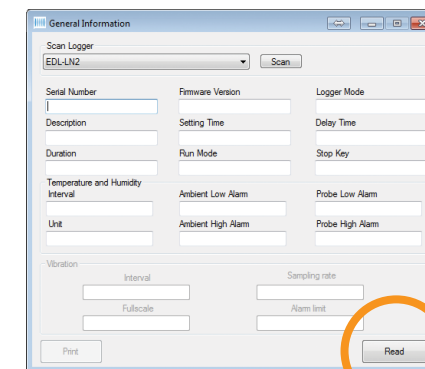


Creating Reports



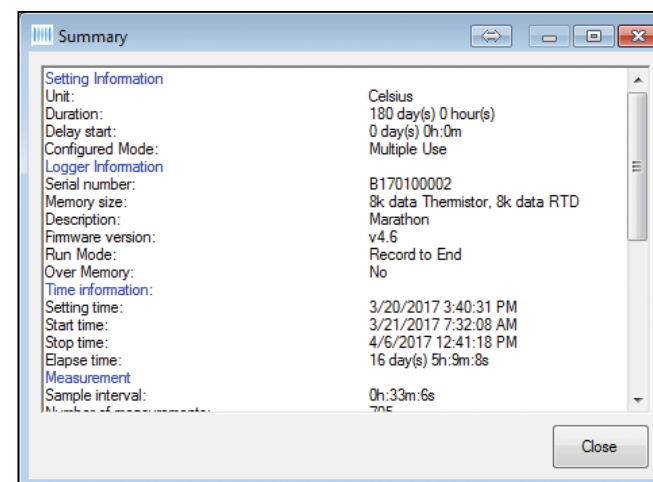
GENERAL INFORMATION

On the menu bar select **Logger / General Information** in the drop-down menu.



The General Information window will open. Click **Read**.

The software will read the logger's information and fill in the fields.



SUMMARY INFORMATION

On the menu bar select **Graph / Summary Information** in the drop-down menu, or click the Summary icon.

The Summary Information window will open where you can scroll through the logger information.