



FlashLink Model 4059X

Certified Vaccine Wi-Fi Data Logger



Introduction

The Certified Vaccine Wi-Fi Data logger is a multi-channel temperature data logger. The logger will automatically upload temperature data over Wi-Fi (if enabled) to DeltaTrak's cloud service platform. If Wi-Fi is not available, the device will record to its on-board memory. Data can be accessed through a USB cable as a PDF report.



Battery

Charging

Before use, ensure to fully charge the battery as indicated by the battery icon

Battery States

-  **4 Bars** – Battery is fully charged
-  **No Bars** – Battery is low, charging is required
-  **Charge icon** – Battery is currently charging.

Power

- The primary power is supplied from the USB port of the Logger, where USB type C cable connector provides 5V DC 2A~3A power from a USB charger wall adapter.
- The presence of the primary power is indicated by the Charge icon. ⚡
- Wi-Fi functions are disabled when the battery capacity falls below 25%. The Battery icon on the LCD screen will display one bar  at 25%.
- When the battery is fully charged, it will sustain normal operation for up to 2 months if no alarm is enabled or ~48hrs if alarm and buzzer are enabled/active.

Buttons

Each button can be pressed two methods

1. **CLICK** (press the button and release)
2. **CLICK AND HOLD** (press and hold the button for 3 seconds).

Clear Button

1. Click: Clear Alarm

- Clicking the **CLEAR** button while the Logger is in alarm will silence the alarm sound. However, the alarm icon will continue to display, and the sound will resume until the excursion is resolved.
- **IMPORTANT:** If the audible buzzer is disabled then RED Backlight cannot be disabled by the single press of the **CLEAR** button. The Statistical and Alarm State are not affected.
- If reviewing daily statistics clicking the **CLEAR** button will return the logger to display the channel that was selected prior to reviewing daily stats.

2. Click and Hold: Clear Stats

- Holding the button will clear the Min-Max-Avg stats of all sensors and at the same time creates an event in the Waypoint File.

Mode Button

1. **Click:** Clicking the **MODE** button cycles through current sensor display: Ch1 and Ch2

2. **Click and Hold:** Holding the **MODE** button will change the current temperature scale on the LCD.

Up and Down Buttons

These buttons are used to view the Daily Stats on the LCD as specified by WHO for “History Mode”. The direction of the review depends on the button pressed - ▲ moves reverse chronologically and ▼ moves chronologically.

• **Daily Stats Values Navigation**

Daily stats will display the Min/Max/Avg of the current sensor channel. Continuing the navigation will display the next channel. After all sensors have been reviewed the next day in sequence will appear on the LCD.

- **Manual Upload**

Pressing either Up or Down button will initiate the manual data upload to the cloud when the stats review is exited, this is the behavior regardless of the WHO mode option.

- **Clicking and holding either the ▲ or ▼ buttons**

The LCD display will advance or scroll in days. During this time there will be no temperature displayed while the days are being scrolled.

- To select a day let go of the held button and press the ▲ or ▼ button to continue into the stats of that day or previous day.
- After 30 seconds with no user input the logger will return to displaying temperature of the current selected sensor channel.

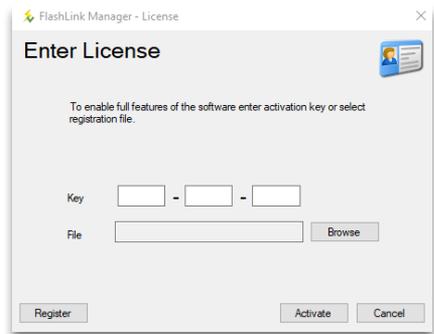
Wi-Fi Set-Up

Installing the Software

Insert the FlashLink Program Manager flash drive into a USB port of a PC. There are two files, a license and FlashLink.exe software installation file. Save these to the PC hard drive. If you do not have a flash drive and only have the license, download the software from the DeltaTrak web site <http://www.deltatrak.com/support/software-drivers>

Note: The license key can be used on two computers.

Navigate to the files on the hard drive. Open the license document and note the license key number. Double click on FlashLink.exe and follow instructions in the dialog boxes that appear on the screen. When you get to the **Enter License** dialog box, key in the number provided in the license and select **Activate**.



The FlashLink shortcut icon will appear on the desktop and system tray. Double click the icon to open the program. FlashLink Program Manager runs automatically and detects when a data logger is connected to the USB port for programming and downloading.

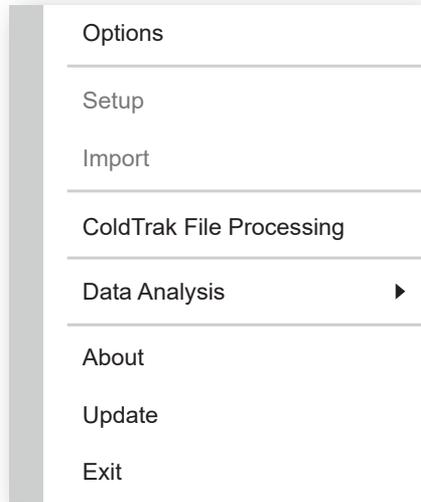


During software installation, subfolders for PDF and CSV file storage are created in the main FlashLink folder. When a data logger is downloaded, PDF and CSV reports are automatically generated and saved in these folders for record keeping.

Programming the Logger

Right click on the FlashLink icon to open the main menu.

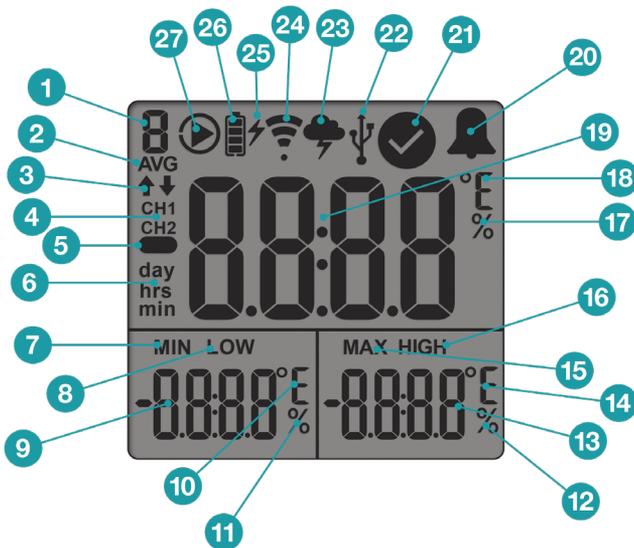
- **Options** - Customize FlashLink software display, file storage location, report appearance, enable 21 CFR administration
- **Setup** - Create/save logger configuration files, including logging periods, intervals, alarm thresholds
- **Import** - Import and reuse saved Setup configuration files



FlashLink Help is a complete user guide that is accessible from any screen by clicking on the [?] symbol in the top, right corner. Specific topics can easily be found in the table of contents or by using the keyword search bar.

Connect the logger via the provided USB cable and select Setup. This will open the logger configuration wizard. Click on Next to access the logging options and select desired configuration parameters. After confirming selected settings the logger will now be configured. Once the configuration is completed unplug the logger from the PC connection and connect to a USB charger. Doing so the logger will start to connect to Wi-Fi. If the device is not connected to a source of power the connection to Wi-Fi will not be established. The logger is successfully connected to the cloud and Wi-Fi when the Wi-Fi icon  and Cloud icon  are present on the LCD.

The LCD Screen



- 1 **Level Icon** – use in Service Mode
- 2 **Average Icon** – use in Daily Stats review
- 3 **Arrows** – high or low alarms
- 4 **Sensor Channel Icons** – use with external sensors
- 5 **Negative sign** – use with negative readings
- 6 **Time Icons** – for days, hours & minutes
- 7 **MIN** – minimum temperature or humidity reading
- 8 **LOW** – low alarm value
- 9 **Temperature or humidity reading**
- 10 **Left temperature scale** – °C or °F
- 11 **Minimum or low humidity percentage**
- 12 **Maximum or high humidity percentage**
- 13 **Temperature or humidity reading**
- 14 **Right temperature scale** – °C or °F
- 15 **MAX** – maximum temperature or humidity reading
- 16 **HIGH** – high alarm value
- 17 **Center humidity percentage**
- 18 **Center temperature Scale**
- 19 **Center Reading** – use for any sensor in display modes
- 20 **Bell** – indicates an alarm
- 21 **Check Icon** – no alarms
- 22 **USB Icon** – USB cable is connected
- 23 **Cloud Icon** – indicates Cloud connection
- 24 **Wi-Fi Icon** – indicates Wi-Fi connection and signal strength
- 25 **Primary Power Icon** – primary power is connected/battery is charged
- 26 **Battery Icon** – indicates operation on battery power and current battery life
- 27 **Run and Standby Icons** - indicate if running or on standby

The Glycol Bottle

This digital data logger (DDL) features a stainless steel sensor enclosed in a bottle of propylene glycol. The cable has a stereo jack for quick disconnect to easily detach the logger and download data. The glycol buffered sensor emulates products in the storage unit and keeps the sensor from setting off false alarms due to rapid temperature fluctuations caused by frequent door opening during normal daily use.

Place the glycol bottle sensor in the center of the refrigerator or freezer, attach the logger to the outside of the unit. Allow at least 1 hour for the sensor to reach equilibrium before activating the logger. When the sensor doesn't have enough time to equilibrate to the internal temperature, it will trigger a false alarm if it is still above the high alarm set point.

Troubleshooting

Error Codes

Error Code	Description
Err 3	Invalid configuration Error Fix: Reconfigure the Logger using FlashLink Software
Err 5	Sensor T1 Error: Fix: Connect the Sensor to the Logger
Err 7	Sensor T2 Error Fix: Connect the Sensor to the Logger
Err 9	Sensor T1 and T2 Error Fix: Connect the Sensors to the Logger

Contact Tech Support:

Phone: 925-249-2250 Ext 5120 **Toll Free** 800-962-6776 US & Canada

Email: techsupport@deltatrak.com



DeltaTrak Corporate

 P.O. Box 398 Pleasanton CA 94566
 (925) 249-2250 (800) 962-6776
 www.deltatrak.com

DTI Mexico International

 Guadalajara, Mexico
 +52-33-3188-3161 / 36712190
 www.deltatrakmexico.com

DTI South America SA

 Santiago, Chile
 +562 2946 5611  +569 7477 1061
 www.deltatraksouthamerica.com

DTI China Limited

 Shenzhen China
 +86-755-8442-9388/2837-2741
2837-2664 | 8923-2778
 www.deltatrakchina.com.cn

DTI Europe bvba

 Antwerp Belgium
 +32 (0) 3-455-61-25
 www.deltatrakeurope.be

DTI Japan Limited

 Osaka, Japan
 +81-6-6616-5900
 www.dtijapan.co.jp

DTI South Pacific

 Auckland, New Zealand
 +64 9 889 2807  +64 21 880 133
 www.deltatraksouthpacific.com

DTI South Africa

 Western Cape, South Africa
 +27 79 519 5047
 www.deltatrak.so.za