

Event101A

Event Data Logger



Product User Guide

To view the full MadgeTech product line, visit our website at madgetech.com.



Product Overview

The **Event101A** offers an input range of up to 30 V, a reading rate of 4 Hz and a storage capacity of 465,578 readings with ultra-high speed data download capability. Using the MadgeTech Data Logger Software, the **Event101A** can be also be configured to utilize the memory wrap option to extend deployment capability or program the device for delayed start up to 18 months in advance.

Installation Guide

Installing the Interface Cable

IFC200 (sold separately) — Insert the device into a USB port. The drivers will install automatically.

Installing the Software

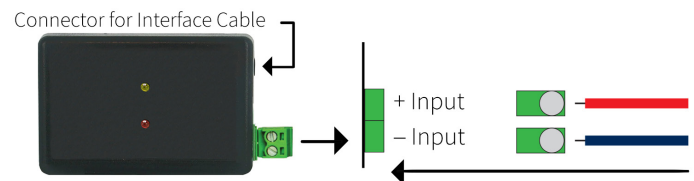
The Software can be downloaded from the MadgeTech website at madgetech.com. Follow the instructions provided in the Installation Wizard.

Wiring The Data Logger

Wiring Options

The Event101A has a two-position removable screw terminal connection. The Event101A accepts 2-wire configurations.

Warning: Note the polarity instructions. Do not attach wires to the wrong terminals.



Device Operation

Connecting and Starting the Data Logger

1. Once the software is installed and running, plug the interface cable into the data logger.
2. Connect the USB end of the interface cable into an open USB port on the computer.
3. The device will appear in the Connected Devices list. Highlight the desired data logger.
4. For most applications, select **Custom Start** from the menu bar and choose the desired start method, reading rate and other parameters appropriate for the data logging application and click **Start**.
 - **Quick Start** applies the most recent custom start options
 - **Batch Start** is used for managing multiple loggers at once
 - **Real Time Start** stores the dataset as it records while connected to the logger.
5. The status of the device will change to **Running, Waiting to Start or Waiting to Manual Start**, depending upon your start method.
6. Disconnect the data logger from the interface cable and place it in the environment to measure.

Note: The device will stop recording data when the end of memory is reached or the device is stopped. At this point the device cannot be restarted until it has been re-armed by the computer.

Downloading Data from a Data Logger

1. Connect the logger to the interface cable.
2. Highlight the data logger in the Connected Devices list. Click **Stop** on the menu bar.
3. Once the data logger is stopped, with the logger highlighted, click **Download**.
4. Downloading will offload and save all the recorded data to the PC.

Engineering Units

Engineering units are used to convert one measurement reading to another. The MadgeTech software allows for software level Engineering Units (conversion applied to data after download). Certain devices have device level Engineering Units, which upon download automatically appear in the chosen unit of measure. Please refer to the Engineering Units Video on madgetech.com/resources/videos for step-by-step setup instructions.

Set Password

To password protect the device so that others cannot start, stop or reset the device;

1. In the **Connected Devices** panel, click the device desired.
2. On the **Device** Tab, in the **Information** Group, click **Properties**. Or, right-click the device and select **Properties** in the context menu.
3. On the **General** Tab, click **Set Password**.
4. Enter and confirm the password in the box that appears, then select **OK**.

LED Indicators

● Green LED Blinks:

10 seconds to indicate logging and 15 seconds to indicate Delay or Manual Start Mode - Standby (waiting to start)

● Red LED Blinks:

10 seconds to indicate low battery and/or full memory

Multiple Start/Stop Mode Activation

- **To start device:** Press and hold the push button for 5 seconds, the green LED will flash during this time. The device has started logging.
- **To stop the device:** Press and hold the push button for 5 seconds, the red LED will flash during this time. The device has stopped logging.

The image shows a promotional banner for WessexPower and LS Technology. At the top center is a red and blue pill-shaped logo with 'WP' in a red circle, 'WP•LS' in white text, and three blue vertical bars of varying heights. Below this, the banner is split into two columns. The left column features the 'WessexPower' logo (a red circle with 'WP' in white) and the text 'Solutions for High-tech Instrumentation' and the website 'www.wessexpower.co.uk' in a red pill-shaped button. The right column features the 'LS Technology' logo (three blue vertical bars of varying heights) and the text 'E-commerce Instrumentation' and the website 'www.loggershop.co.uk' in a blue pill-shaped button. At the bottom of the banner, the contact information is provided: 'Telephone +44(0)1929 459 459' on the left and 'Email sales@WPLS.co.uk' on the right.

Device Maintenance

Battery Replacement

Materials: Small Phillips Head Screwdriver and a Replacement Battery (LTC-7PN)

1. Puncture the center of the back label with the screw driver and unscrew the enclosure.
2. Remove the battery by pulling it perpendicular to the circuit board.
3. Insert the new battery into the terminals and verify it is secure.
4. Screw the enclosure back together securely.

Note: Be sure not to over tighten the screws or strip the threads.

Recalibration

The Event101A has a digital input signal and cannot be calibrated. A certificate of conformance can be provided.

Need Help?



Product Support & Troubleshooting:

- Visit our Resources online at madgetech.com/resources.
- Contact our friendly Customer Support Team at **(603) 456-2011** or support@madgetech.com.



MadgeTech 4 Software Support:

- Refer to the built-in help section of the MadgeTech 4 Software.
- Download the MadgeTech 4 Software Manual at madgetech.com.
- Contact our friendly Customer Support Team at **(603) 456-2011** or support@madgetech.com.