

**EL-USB Data Logger Instructions**

**Dear Customer,**

Thank you for purchasing an **EL-USB temperature data logger**.

Before using the logger, you must first configure it using the **EasyLog-USB software**. This allows you to configure the logger and automatically download the measurement data to a **Windows PC**.

Download the free software via:  
[www.dataloggers.shop/Software](https://www.dataloggers.shop/Software)

**Getting Started**

* **First use**: configure the logger via the EasyLog-USB software
* **After each use**: reprogram the logger using the same software before starting a new measurement cycle
* **Note**: battery life depends on the selected logging interval and the ambient temperature.  
  We recommend not setting the interval too short unless necessary. For most applications, **one measurement every 15 minutes** is sufficient.
* Ensure that the **plastic cap** is properly placed to prevent moisture from entering the logger.

**Logger not starting – Battery passivation**

If the logger does not start during first use, it may be due to **battery passivation**, a common phenomenon in lithium batteries.

**Solutions:**

1. Firmly **tap the battery a few times against a hard surface** to break the passivation layer
2. Leave the logger with the battery **inserted in the USB port for at least 30 seconds**
3. Remove and reinsert the battery

These actions can help restore functionality.

**Reading the Serial Number**

You can find the logger’s serial number in the software under:  
**Options > Current Status**

**Battery Information (from manufacturer’s manual)**

**Replacement**

* Replace the battery **once a year** or **before logging critical data**
* Only use **3.6V ½AA lithium-metal batteries**
* The logger **will not lose data** when the battery is removed or discharged
* However, logging **will stop** and only resume after battery replacement **and a restart using the EL-WIN-USB software**
* Remove the logger from the PC before changing the battery
* Extended connection to a USB port may shorten battery life

**New battery not working – Passivation**

Unused lithium-metal batteries may develop a **non-conductive internal layer**, preventing discharge during storage (passivation).  
When installed, this may cause a **temporary voltage drop** and reset the logger.

**To resolve this:**

* Insert the battery and leave the logger connected to the USB port for 30 seconds
* Remove and reinsert the battery
* Firmly tapping the battery on a hard surface often yields the best results

**This does not affect the total battery life.**

**Warning**

Handle lithium-metal batteries with care and follow all safety instructions.  
Dispose of used batteries according to local regulations.

**Happy logging!**  
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