



## Calibration Certification

Calibration certificates for all of Lascar's temperature and humidity data loggers are available to purchase. For custom-specific or multiple temperature points, please contact the Lascar sales team for further pricing.



EL-GFX



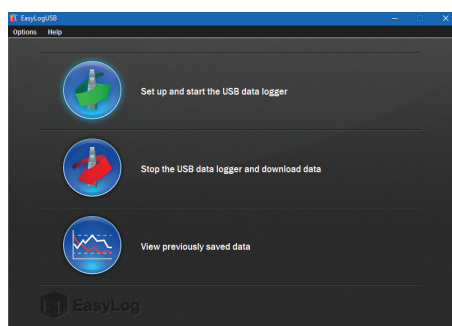
## Quick Start Guide

1

### Welcome! Let's set up your EL-GFX First Install Your Software & USB Driver

Windows™ 7, 8.1 and 10

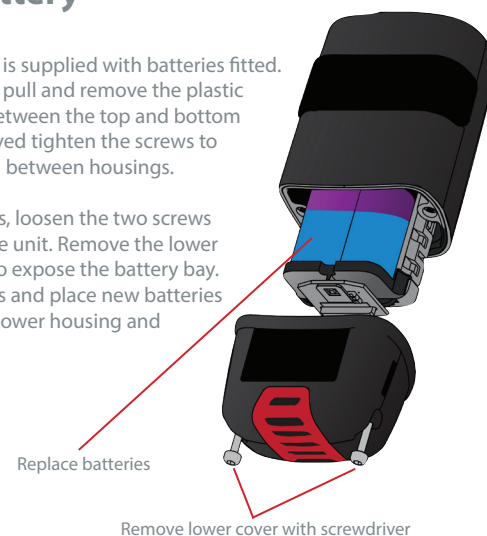
- Visit [www.lascarelectronics.com/software/easylog-usb](http://www.lascarelectronics.com/software/easylog-usb) and click "Download"



2

### Install Your Battery

- Your EL-GFX data logger is supplied with batteries fitted. To connect the batteries pull and remove the plastic tag located at the join between the top and bottom housing. With this removed tighten the screws to ensure a waterproof seal between housings.
- When replacing batteries, loosen the two screws located at the base of the unit. Remove the lower portion of the housing to expose the battery bay. Remove the old batteries and place new batteries in position. Replace the lower housing and tighten the screws.



3

### Your Data Logger Is Ready For Use

Ensure the batteries are correctly installed.

- Connect the data logger to an available USB port on your PC using the micro USB cable provided.
- Double click on the EasyLog USB icon on your Windows™ desktop. This will load the configuration software. Set-up the data logger for a new log, download a data logger that has been recording, view previously saved data in graph format and check the current status of the attached data logger (including the serial number).
- When setup is complete, the data logger should be disconnected from the USB port to begin recording. If you would like advice on how best to use the data logger for a particular application, please contact your nearest Lascar representative.
- Do not leave your data logger connected to the USB port as this will cause some of the battery capacity to be lost.**



### Getting To Know Your EL-GFX Logger



Model shown: EL-GFX-1. Other models may differ

- USB Cover:** This USB port cover gives IP6 protection\* to your data logger when fitted.



- Mounting Clip:** The plastic mounting clip supplied allows wall mounting if required or to metal surfaces using the integrated magnet.



- Micro USB Cable:** The micro USB cable allows connection to the PC for programming or data download. Use in conjunction with a USB wall adapter for continuous mains power.



- 2x 1/2 AA Batteries:** The unit is powered when the 2x 1/2 AA batteries are installed. Batteries are user replaceable when drained.



\* The EL-GFX-DTC, EL-GFX-DTP & GFX-D2 are not IP-rated

# Menu Button Functions and LCD Screen Indication

ARMED!  
Press button  
to start logging  
✓

DELAYED START  
Starts logging at  
10:30:00 04/03/12

DELAYED START  
Starts logging  
when temperature  
above 36.2° C

START LOGGER

- Loggers can be started immediately on a button press, delayed to a specific time or delayed to specific reading

26.8 °C  
gfx i

txt i

DISPLAY DATA

- Data can be displayed on screen in digital or graphical format
- You can switch between these views by pressing the **gfx** / **txt** buttons at the bottom-left of your screen

When this EasyLog cube is spinning in the top-left corner your logger is logging

↑ ALARM  
↓ ALARM

High/Low Alarm indicators are displayed at the top of your screen

This icon indicates that your battery is low and will need to be replaced soon

Stop Logging  
Logger Settings

Start Logging  
Logger Settings

↓ ALARM  
Mute Alarm  
Stop Logging  
Logger Settings

STOP/START LOGGING & MUTE ALARM

- By pressing the **🔊** button, you can stop your logger, or view logger settings. If you have already stopped logging, this option will change to 'Start Logging'. The audible alarm can be muted from this menu if enabled

Temperature  
Max 34.8 °C  
Min 22.8 °C  
Since 10:30 24/09/2012  
reset

Mem Used 32%  
Readings 6336

SUMMARY DATA

- Summary screen displays minimum and maximum logs. Reset function clears summary if required
- These screens can be reached by pressing the **i** button

Start Logging  
Logger Settings

EasyLog USB  
Sample Rate 10s  
Low Alm 10 °C  
High Alm 40 °C  
S/N 000000001

LOGGER SETTINGS

- To view a summary of the logger's settings press the **🔧** button, then click 'Logger Settings'

Locked Mode  
gfx i 🔧

Locked Mode

LOCKED MODE

- When in locked mode - an option during PC set-up - the logger can only be stopped and re-started using a PC loaded with the unit's configuration software

Time & date not set  
Start unit logging using PC  
gfx i 🔧

Memory is 90% full  
Download data to a PC to clear  
gfx i 🔧

Memory full, logger stopped  
Download data to a PC to clear  
gfx i 🔧

POP-UP MESSAGES

- A message will overlay the screen - if there is an issue - the next time a button is pressed, e.g. if the logger is running low on memory

Please note that screens may vary slightly depending on model. EL-GFX-1 screens shown.

| GFX Family Of Data Loggers |                                                        |                                                                                                                                      |                            |                            |                      |          |              |
|----------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|----------------------|----------|--------------|
| Part No                    | Function                                               | Range                                                                                                                                | Accuracy (overall error)   |                            | Readings Per Channel | Battery  | Battery Life |
|                            |                                                        |                                                                                                                                      | Typ.                       | Max.                       |                      |          |              |
| EL-GFX-1                   | Temperature                                            | -30 to +80°C (-22 to +176°F)                                                                                                         | ±0.1°C (±0.2°F)            | ±0.75°C (±1.5°F)           | 250,000+             | 2 x ½ AA | 6 months     |
| EL-GFX-2                   | Temperature & Humidity and Dew-point                   | -30 to +80°C (-22 to +176°F)<br>0 to 100%RH                                                                                          | ±0.5°C (±1.0°F)<br>±3.0%RH | ±2.0°C (±4.0°F)<br>±5.0%RH | 250,000+             | 2 x ½ AA | 6 months     |
| EL-GFX-2+                  | Increased Accuracy Temperature, Humidity and Dew-point | -30 to +80°C (-22 to +176°F)<br>0 to 100%RH                                                                                          | ±0.3°C (±0.6°F)<br>±2%RH   | ±1.5°C (±3.0°F)<br>±4%RH   | 250,000+             | 2 x ½ AA | 6 months     |
| EL-GFX-DTC                 | Dual-Channel Thermocouple (J, K and T-type)            | -200 to +1350°C (-328 to +2462°F) (K-type)<br>-200 to +1190°C (-328 to +2174°F) (J-type)<br>-200 to +390°C (-328 to +734°F) (T-type) | ±0.5°C (±0.9°F)            |                            | 250,000+             | 2 x ½ AA | 6 months     |
| EL-GFX-DTP                 | Dual-channel thermistor                                | -40 to +125°C (-40 to +257°F)                                                                                                        | ±0.1°C (±0.2°F)            |                            | 250,000+             | 2 x ½ AA | 6 months     |
| EL-GFX-D2                  | Dual-Channel Temperature, Humidity & Dew-point         | -40°C to +80°C (-40°F to +176°F)<br>0 to 100%RH                                                                                      | ±0.5°C (±1.0°F)<br>±3.0%RH | ±2.0°C (±4.0°F)<br>±5.0%RH | 250,000+             | 2 x ½ AA | 4 months     |