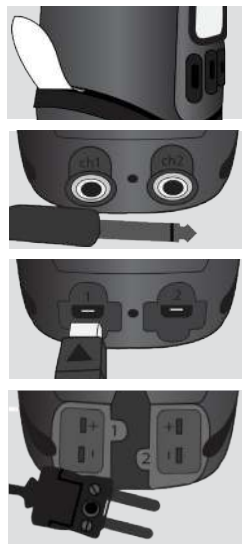


1

## Activate the Data Logger and Connect Your Probe

- 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.
- If using an EL-GFX-DTP or EL-GFX-DTP+, ensure that the probe is fully inserted into the jack socket.
- If using an EL-GFX-D2, EL-GFX-TC or EL-GFX-DTC, insert your external probe into Channel 1 (one probe) or into both Channel 1 and 2 if using two probes.



EL-GFX



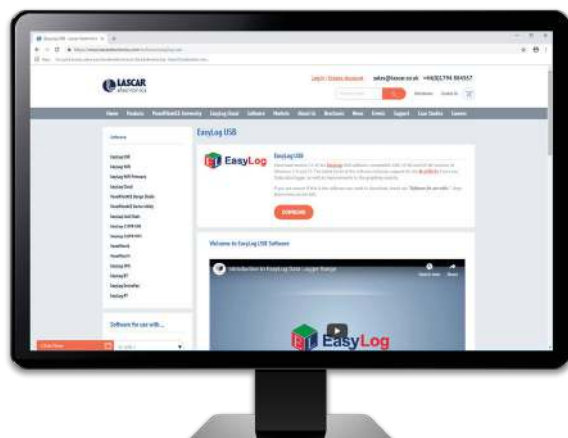
## Quick Start Guide

2

## 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". Follow on-screen instructions to download both software and drivers.



## Getting To Know Your EL-GFX Logger



Visit [www.lascarelectronics.com](http://www.lascarelectronics.com) and navigate to the product page of your logger. Find the datasheet in the resources section.

- USB Cover: This USB port cover gives IP67 protection\* to your data logger when fitted. \*The EL-GFX-DTC, EL-GFX-DTP & EL-GFX-D2 are not IP-rated

- 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 ½ AA Batteries: The unit is powered when the 2x ½ AA batteries are installed. Batteries are user replaceable.

- Temp / RH External Probe: (EL-GFX-D2 only) When connected to the data logger the probe can be placed in the area to be monitored. The data logger itself can be located elsewhere if more convenient.



Channel 1 and 2 Probe Connectors (EL-GFX-D2 only)

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## Your Data Logger Is Ready To Set-Up

- 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. You can 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).



EasyLog USB

- Follow the on-screen instructions to set up your logger including naming it, setting a sample rate and setting up alarms. 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.**



## 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.



# 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 | ⚙

26.8 °C

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

ON-SCREEN ICONS

↑ 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

Mem Used 32%  
Readings 6336

SUMMARY DATA & RESET

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

Time & date not set  
Start unit logging using PC

Memory is 90% full  
Download data to a PC to clear

Memory full, logger stopped  
Download data to a PC to clear

LOGGER SETTINGS

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

Locked Mode

gfx | i | ⚙

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

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			Accuracy (overall error)	
Part No	Function	Range	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)
EL-GFX-2	Temperature, Humidity and Dew-point	-30 to +80°C (-22 to +176°F) 0 to 100%RH	±0.5°C (±1.0°F) ±3.0%RH	±2.0°C (±4.0°F) ±5.0%RH
EL-GFX-2+	Higher Accuracy Temperature, Humidity and Dew-point	-30 to +80°C (-22 to +176°F) 0 to 100%RH	±0.3°C (±0.6°F) ±2%RH	±1.5°C (±3.0°F) ±4%RH
EL-GFX-TC	Thermocouple (J, K and T-type)	-200 to +1350°C (-328 to +2462°F) (K-type) -200 to +1190°C (-328 to +2174°F) (J-type) -200 to +390°C (-328 to +734°F) (T-type)	±0.5°C (±0.9°F)	
EL-GFX-DTC	Dual-Channel Thermocouple (J, K and T-type)	-200 to +1350°C (-328 to +2462°F) (K-type) -200 to +1190°C (-328 to +2174°F) (J-type) -200 to +390°C (-328 to +734°F) (T-type)	±0.5°C (±0.9°F)	
EL-GFX-DTP	Dual-Channel Thermistor	-40 to +125°C (-40 to +257°F)	±0.1°C (±0.2°F)	
EL-GFX-DTP+	Higher Accuracy Dual-Channel Thermistor	-40 to 125°C (-40 to 257°F)	±0.3°C (±0.5°F)	±1°C (±1.8°F)
EL-GFX-D2	Dual-Channel Temperature, Humidity & Dew-point	-40°C to +80°C (-40°F to +176°F) 0 to 100%RH	±0.5°C (±1.0°F) ±3.0%RH	±2.0°C (±4.0°F) ±5.0%RH

All loggers have 250,000+ readings per channel

## Replacing Your Battery:

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.

Disclaimer: Every effort has been made to ensure the accuracy of this publication and no responsibility or liability can be accepted by Lascar Electronics Limited for any errors or omissions in the content of this document. Data and legislation may change, and so we strongly advise you to obtain and review the most recently issued regulations, standards, and guidelines. This publication does not form the basis of a contract.

EasyLog

www.lascarelectronics.com/data-loggers

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