

GFX Data Logger Series

Quick Start Guide



Download software now from www.easylogusb.com

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FIRST INSTALL YOUR SOFTWARE & USB DRIVER

Windows™ XP/VISTA/7

- Visit www.easylogusb.com and click “Begin Software Download”
- Follow the instructions found in “Installing EL-WIN-USB on Windows” (link on website)

EL-WIN-USB Windows Control Software

EL-WIN-USB is the software platform for Lascar's standalone USB data loggers. It is compatible with 32-bit and 64-bit versions of Windows XP, Vista and 7.

The latest build of the software includes a major revision which incorporates an updated user interface, support for graphing of event data and the ability to graph the larger data sets that will be produced by forthcoming product launches.

What's New in EL-WIN-USB



Installing EL-WIN-USB on Windows



[Begin Software 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.



Replace batteries

Remove lower cover with screwdriver

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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



- **USB Cover:** This USB port cover gives IP65 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.




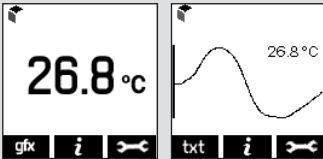











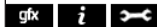

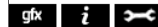
- **2x ½ AA Batteries:** The unit is powered when the 2x ½ AA batteries are installed. Batteries are user replaceable when drained.



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

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

MENU BUTTON FUNCTIONS AND LED SCREEN INDICATION

<p>ARMED! Press button to start logging</p> 	<p>DELAYED START Starts logging at 10:30:00 04/03/12</p>	<p>DELAYED START Starts logging when temperature above 36.2°C</p>	<p>START LOGGER</p> <ul style="list-style-type: none"> Loggers can be started immediately on a button press, delayed to a specific time or delayed to specific reading 		<p>DISPLAY DATA</p> <ul style="list-style-type: none"> 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 	
<p>ON-SCREEN ICONS</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="211 459 262 518">  <ul style="list-style-type: none"> When this EasyLog cube is spinning in the top-left corner your logger is logging </div> <div data-bbox="452 449 615 528">  <ul style="list-style-type: none"> High/Low Alarm indicators are displayed at the top of your screen </div> <div data-bbox="785 465 864 512">  <ul style="list-style-type: none"> This icon indicates that your battery is low and will need to be replaced soon </div> </div>			<p>STOP/START LOGGING & MUTE ALARM</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="1007 435 1164 594">  <ul style="list-style-type: none"> Stop Logging Logger Settings </div> <div data-bbox="1174 435 1330 594">  <ul style="list-style-type: none"> Start Logging Logger Settings </div> <div data-bbox="1340 435 1497 594">  <ul style="list-style-type: none"> Mute Alarm Stop Logging Logger Settings </div> </div> <ul style="list-style-type: none"> By pressing the mute 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 			
<div style="display: flex;"> <div data-bbox="217 681 374 840"> <p>Temperature Max 34.8°C Min 22.8°C Since 10:30 24/09/2012</p>  </div> <div data-bbox="384 681 540 840"> <p>Mem Used 32% Readings 6336</p>  </div> </div>		<p>SUMMARY DATA</p> <ul style="list-style-type: none"> Summary screen displays minimum and maximum logs. Reset function clears summary if required These screens can be reached by pressing the i button 		<div style="display: flex;"> <div data-bbox="1093 681 1250 840"> <p>Start Logging Logger Settings</p>  </div> <div data-bbox="1260 681 1417 840"> <p>EasyLog USB Sample Rate 10s Low Alm 10°C High Alm 40°C S/N 000000001</p>  </div> </div>		<p>LOGGER SETTINGS</p> <ul style="list-style-type: none"> To view a summary of the logger's settings press the key button, then click 'Logger Settings'
<div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>LOCKED MODE</p> <ul style="list-style-type: none"> 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 </div> </div>			<div style="display: flex; justify-content: space-around;"> <div data-bbox="1007 880 1164 1039"> <p>Time & date not set Start unit logging using PC</p>  </div> <div data-bbox="1174 880 1330 1039"> <p>Memory is 90% full Download data to a PC to clear</p>  </div> <div data-bbox="1340 880 1497 1039"> <p>Memory full, logger stopped Download data to a PC to clear</p>  </div> </div> <p>POP-UP MESSAGES</p> <ul style="list-style-type: none"> 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.

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) 0 to 100%RH	±0.5°C (±1.0°F) ±3.0%RH	±2.0°C (±4.0°F) ±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) 0 to 100%RH	±0.3°C (±0.6°F) ±2%RH	±1.5°C (±3.0°F) ±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) -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)		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



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.

