# INSTALLATION AND OPERATION GUIDE FOR EL-USB-1-PRO

#### WARNING

PLEASE READ THROUGH THE MANUAL, WHICH SHOULD BE KEPT FOR FUTURE REFERENCE. PASS THE MANUAL ON TO THOSE WHO USE THIS DEVICE.

DO NOT ATTEMPT TO USE THE EL-USB-1-PRO WITHOUT READING AND UNDERSTANDING THE DOCUMENTATION. THIS PRODUCT IS CAPABLE OF MEASURING HIGH TEMPERATURES, THE CORRECT PROCEDURES ARE REQUIRED TO AVOID INJURY. ANY DOUBT AS TO THE SAFETY OR APPLICATION - STOP! CONSULT A QUALIFIED EXPERT.



Distributed by MicroDAQ.com, Ltd.

www.MicroDAQ.com

# WARNING

The EL-USB-1-PRO is a professional measuring instrument, designed to record TEMPERATURE. Care must be taken when:

1. Removing the logger from extreme environment -The logger is metal and will retain heat or will remain cold when it has been removed from the environment being measured. Personal protection, such as suitable heat resistant gloves or tools must be used to remove the logger from any environment. See data sheet for maximum and minimum temperatures that the logger can be used in.

2. Replacing batteries - Always operate EL-USB-1-PRO and replace its batteries according to the instructions.

The EL-USB-1-PRO will work in extreme temperatures. However, many batteries will not work at these extremes. Always ensure the specific battery as detailed by Lascar is used. Serious injury can occur if the incorrect battery is used. If you are unable to find the correct battery, contact Lascar Electronics (never accept advice that alternatives batteries can be used unless written approval has been given by the Managing Director of Lascar Electronics Ltd.).

EL-USB-1-PRO is not authorized for use as a critical component in life support devices or systems without the express written approval of the Managing Director of Lascar Electronics Ltd.

If you have any queries about this product please contact the appropriate sales office:

UK sales e-mail: sales@lascar.co.uk US sales e-mail: us-sales@lascarelectronics.com



# ENVIRONMENTAL DISPOSAL/WARNINGS

- This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separately collected for their proper treatment and recovery. The crossed-out bin symbol, placed on the product, reminds you of the need to dispose of the product correctly at the end of its life. In this way you will assist in the recovery, recycling and re-use of many of the materials used in this product. At the end of the life of your product please contact your distributor for information on collection arrangements.
- Battery
   Most batteries end up in landfill where their hazardous material can leach into the soil and cause harm.

   disposal
   It is much more environmentally friendly to recycle batteries in a safe, correct manner. Follow applicable

   country, state, and local regulations for disposal/recycling of the 2/3AA battery supplied with your data logger.
- RoHS S

WEEE

X

The Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC of the European Parliament stipulates that certain hazardous substances must not be present above defined levels in products. This data logging product is manufactured to be RoHS compliant.

For further information visit: www.lascarelectronics.com/main/environmental-data-logging.php

### Distributed by MicroDAQ.com, Ltd.

## www.MicroDAQ.com

# **BATTERY INSTALLATION** \*See WARNING on page 1 for further battery information

Battery Installation	Installation de la batterie	Cómo colocar la batería	Installazione della batteria	Einsetzen der Batterie
Before using the data logger you will need to insert the 3.6V 2/3AA battery provided, following the instructions below.	Avant d'utiliser l'enregistreur de données, vous devez suivre les instructions ci-dessous pour installer la batterie 2/3AA de 3,6 V.	Antes de utilizar el registrador de datos, necesitará colocar la batería 2/3AA de 3,6V suministrada, siguiendo estas instrucciones.	Prima di utilizzare il data logger, inserire la batteria 2/3AA da 3,6 V fornita in dotazione seguendo le istruzioni.	Vor der Benutzung des datenloggers muss eine 3,6V 2/3AA Batterie entsprechend der un tenstehenden anweisungen
Replacement batteries available from www.lascarelectronics.com, PN: BAT 3.6V 2/3AA H TEMP.	Vous pouvez vous procurer des batteries de rechange auprès de www.lascarelectronics.com, N° de réf. : BAT 3.6V 2/3AA H TEMP.	Pueden adquirirse baterías de repuesto en www.lascarelectronics.com, Pieza número: BAT 3.6V 2/3AA H TEMP.	Le batterie di ricambio sono disponibili sul sito web www.lascarelectronics.com, N. art.: BAT 3.6V 2/3AA H TEMP.	eingesetzt werden. Ersatzbatterien können über www.lascarelectronics.com bezogen werden; PN: BAT 3.6V 2/3AA H TEMP.



# IMPORTANT NOTES BEFORE INSTALLING EL-WIN-USB SOFTWARE

#### Please read these notes carefully before proceeding with installation.

The screen shots on the 'START HERE' page, overleaf, are taken from Windows™Vista. If you are installing using Windows™XP or 2000 the screens may look slightly different; however, the content will be the same.

To install the software and USB driver you must have administrative privileges on the host computer. Contact your IT department if you need further information.

After completing the software installation you must install the driver to use your EL-USB data logger. It is important that the CD is left in the drive during this final stage of **installation.** Please refer to the relevant section for the Windows platform you are using.

This logger is not designed to be permanently connected to a USB port.

#### Distributed by MicroDAQ.com, Ltd.

#### www.MicroDAQ.com

#### START HERE Windows<sup>™</sup>2000/XP/VISTA(32-bit) Important: Leave the CD in the drive while installing your drivers

3. Click "Next"

gi EaryLog USB

You have installed the EL-WIN-USB Configuration Software successfully. You now have to install the USB hardware driver. Please refer to the relevant

Installing EasyLog USB

Canod

Distributed by MicroDAO.com, Ltd.

EasyLopUSB is being installed

AutoPlay	User Account Control	g Englog USB
	I An unidentified program wants access to your computer	Welcome to the EasyLog USB Setup Wizard
Solution and the contract of the second	Don't run the program unless you know where it's from or you've used it before.	
Always do this for software and games:	SETURENE Unidentified Publisher	The initiality will guide you fivringh the stops required to initial ElanyLog USB
Install or run program	To continue, type an administrator password, and then click OK.	
Run SETUP.EXE	Brian	
General options	Password	WHENING: This computer program is protected by copyright law and internal
Open folder to view files		Unauthorced duplication or detribution of the program, or any portion of it, ne or criminal penalties, and will be proceeded to the maximum entert pocsible s
Call And Play And and a Cashel Read	Qetain     OK Cancel	
Set AutoPlay defaults in Control Panel	User Account Control helps stop unauthorized changes to your computer.	Genet

1. Insert the EL-WIN-USB Configuration 2. Installing software requires Software CD into the CD drive of administrative privileges. Accept your computer. If the CD does not the "User Account Control" request. automatically load, navigate to the enter password if necessary CD and double click "Setup"

elect Installation Folder	<b>2</b>
te installer will install EasyLog USB to the following kider.	
instal in this folder, click. "New!". To instal to a different folder, enter	t below or click "Evoyoe".
Falder	
C-Phopum/Net/EL-WIN-USIN	Dovos
	Diek Cont
install EasyLog USB for yourself, or for anyone who uses this comput	ĸ

section depending on the Windows platform you are using

5. Select "Everyone", click "Next"



6. Click "Next" to start the Installation. 7. EasyLog USB is being installed NOTE - A progress bar will be displayed until the installation is complete



4. Read the "IMPORTANT NOTICE". select "I Agree" and "Next"

The rush	ycog ose	Constanting of	
Inst	tallation Complete		
Earph Club. 7	.og USB has been successfully installed. "Classf" to exit.		
	Carcel	gat Dee	
8 Clic	Cerei	will now k	
lic	k "Close". An icon	will now be	

EasyLog USB

WINDOWS<sup>™</sup>2000 **USB** Driver Installation

nd Ne	w Hardwar	e		
3	USB API			
ease v	ait			

1. Insert the USB data logger into a 2. Click "Next" USB port on the computer. The following screens should automatically appear. Windows™2000 refers to the data logger as "USB API" until the end of this installation



4. Select "CD-ROM drivers" only, then 5. Click "Next" click "Next"

# www.MicroDAO.com

Locate Driver Film

(S) USB API

Optional search locations:

P CO ROM dives

Specity a location

Herosoft Windows Update

# (603) 746-5524

8

(gack bet) Cancel

#### Important: Leave the CD in the drive while installing your drivers



Velcome to the Found New

lardware Wizard his wizzed helps you install a device driver for a

3. Select "Search for a suitable driver for my device (recommended)" then click "Next



You have successfully installed the necessary software and driver for your EL-USB data logger. Please refer to page 9 within this manual for a guide on how to use the data logger

6. Windows™2000 now refers to the data logger as the "F32x Express USB Device" then click "Finish"



1. Insert the USB data logger into a USB port on the computer. The following screens should automatically appear. Windows™XP refers to the data logger as "USB API" and "F32x Express USB Device" throughout this installation



4. Installation is now complete, click "Finish"



2 Ensure the CD is in the CD drive. Select "Install the software automatically (Recommended)" then click "Next"

NOTE - A screen appears, showing files being copied to your computer



Important: Leave the CD in the drive while installing your drivers

Your new hardware is installed and ready to use.

5. The Window will close and you will see the following message

You have successfully installed the necessary software and driver for your EL-USB data logger Please refer to page 9 within this manual for a guide on how to use the data logger

The software you are installed for this hardware

3. When this window appears, click

"Continue Anyway"

has not passed Windows Logo teeling to verify its compatibility with Windows XP. [[o] no why this testing is important.]

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly

recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Loop testion.

NOTE - This is a feature of Windows™XP.

Selecting "Continue Anyway" will not

cause any adverse changes/effects on your computer

Continue Anyway STOP Installation

F32x Express USB Device

# WINDOWS<sup>™</sup>VISTA(32-bit) **USB** Driver Installation



1. Insert the USB data logger into a USB port on the computer. The following screens should automatically appear

2. Select "Locate and install driver software (recommended)" then click "Next"

T Found New Hastware

for your device.

Ask me again later

Ton't show this message again for this device

Your device will not function until you install driver software.

Found New Handware - USB API Insert the disc that came with your USR API If you have the doc that came with your device, inset it now. Windows will automatically see the doc for drive utilinane. 1 Install this driver software an oway the Unique to the second second reaction and the second seco See.Sealt + I don't have the disc. Show me other options. Nest Cancel

5. The above window will appear after a 6. When this window appears, click few seconds. Click "Next" "Install this driver software anyway"

> NOTE - This is a feature of Windows™ Vista, Selecting "Install this software anway" will not cause any adverse changes/effects on your computer

"Finish"

(603) 746-5524

#### Important: Leave the CD in the drive while installing your drivers



Found New Hardware - USERgrees

File Supres 158 Device

Windows has finished installing the drive software for this device

7. Installation is now complete, Click



8

3. Installing the driver requires administrative privileges. Accept the "Liser Account Control" request. enter password if necessary

4. The following screen should automatically appear

> You have successfully installed the necessary software and driver for your EL-USB data logger. Please refer to page 9 within this manual for a guide on how to use the data logger

#### NOTE

Cere

At various times Vista may ask security questions; allow access when prompted

#### Distributed by MicroDAO.com, Ltd.

#### www.MicroDAQ.com

# **USING YOUR DATA LOGGER (QUICK START)**

The EL-USB data logger you have purchased is a stand-alone device. All communication with the data logger is via a USB port of a PC which has Lascar's configuration software and driver installed. To begin take the following steps:

1. Ensure the battery is correctly installed

Insert the data logger into an available USB port on your PC
 Double click on the EasyLog USB icon on your Windows™ desktop

This will load the configuration software. Here you can setup the data logger for a new log, stop and 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). Follow screen instructions or consult the help file for further information on running the software.

When setup is complete the data logger should be removed 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.

Visit **www.lascarelectronics.com** to register your data logger online, download the full data sheets and upgrade to the latest software version 10

# Distributed by MicroDAQ.com, Ltd.

www.MicroDAQ.com

# Distributed by MicroDAQ.com, Ltd. www.MicroDAQ.com (603) 746-5524

LASCAR ELECTRONICS (HK) LTD. Unit Nos. 6-8, on 19/F Futura Plaza 111-113 How Ming Street Kwun Tong, Kowloon HONG KONG T +852 2389 6502 F +852 2389 6535 F saleshk@lascar.com.bk LASCAR ELECTRONICS INC. 4258 West 12th Street Erie, PA 16505 UNITED STATES T +1 (814) 838-8141 E us-sales@lascarelectronics.com LASCAR ELECTRONICS LTD. Module House Whiteparish, Salisbury Wiltshire, SP5 2SJ UNITED KINGDOM T +44 (0) 1794 884567 F +44 (0) 1794 884616 E sales@lascar.co.uk



Installation and Operation Guide issue 1.0 09/09 www.lascarelectronics.com