

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.



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

WEEE



Battery disposal



RoHS



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.

Most batteries end up in landfill where their hazardous material can leach into the soil and cause harm. 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.

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

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

Battery Installation

Before using the data logger you will need to insert the 3.6V 2/3AA battery provided, following the instructions below.

Replacement batteries available from www.lascarelectronics.com, PN: BAT 3.6V 2/3AA H TEMP.

Installation de la batterie

Avant d'utiliser l'enregistreur de données, vous devez suivre les instructions ci-dessous pour installer la batterie 2/3AA de 3,6 V.

Vous pouvez vous procurer des batteries de rechange auprès de www.lascarelectronics.com, N° de réf. : BAT 3.6V 2/3AA H TEMP.

Cómo colocar la batería

Antes de utilizar el registrador de datos, necesitará colocar la batería 2/3AA de 3,6V suministrada, siguiendo estas instrucciones.

Pueden adquirirse baterías de repuesto en www.lascarelectronics.com, Pieza número: BAT 3.6V 2/3AA H TEMP.

Installazione della batteria

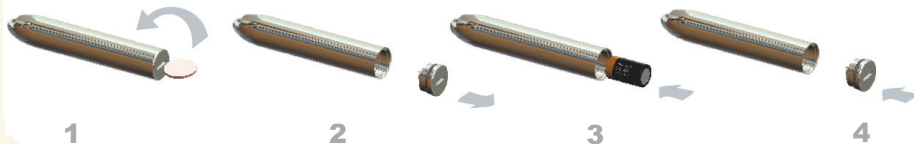
Prima di utilizzare il data logger, inserire la batteria 2/3AA da 3,6 V fornita in dotazione seguendo le istruzioni.

Le batterie di ricambio sono disponibili sul sito web www.lascarelectronics.com, N. art.: BAT 3.6V 2/3AA H TEMP.

Einsetzen der Batterie

Vor der Benutzung des datenloggers muss eine 3,6V 2/3AA Batterie entsprechend der untenstehenden anweisungen 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.

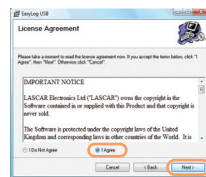
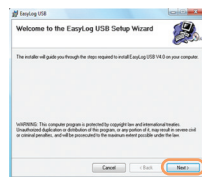
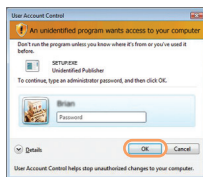
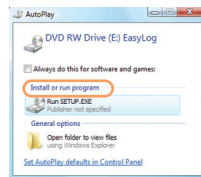
After completing the software installation you must install the driver to use your EL-USB data logger. **It is important that the CD is left in the drive during this final stage of installation.** Please refer to the relevant section for the Windows platform you are using.

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

START HERE

Windows™2000/XP/VISTA(32-bit)

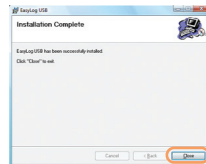
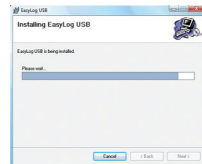
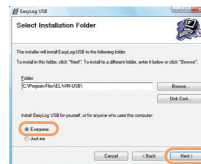
Important: Leave the CD in the drive while installing your drivers



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

3. Click "Next"

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



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

8. Click "Close". An icon will now be placed on your desktop



You have installed the EL-WIN-USB Configuration Software successfully. You now have to install the USB hardware driver. Please refer to the relevant section depending on the Windows platform you are using

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WINDOWS™2000

USB Driver Installation

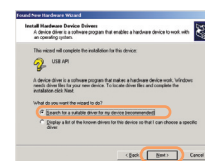
Important: Leave the CD in the drive while installing your drivers



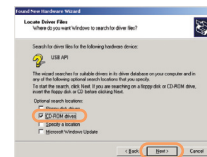
1. Insert the USB data logger into a USB port on the computer. The following screens should automatically appear. Windows™2000 refers to the data logger as "USB API" until the end of this installation



2. Click "Next"



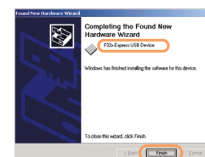
3. Select "Search for a suitable driver for my device (recommended)" then click "Next"



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



5. Click "Next"



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

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

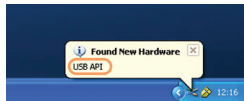
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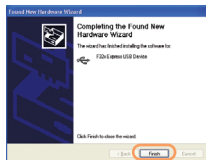
WINDOWS™XP

USB Driver Installation

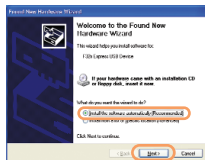
Important: Leave the CD in the drive while installing your drivers



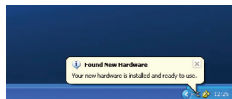
1. Insert the USB data logger into a USB port on the computer. The following screens should automatically appear. Windows™XP refers to the data logger as “USB API” and “F32x Express USB Device” throughout this installation



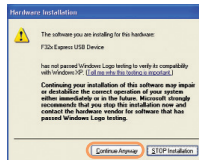
4. Installation is now complete, click “Finish”



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



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



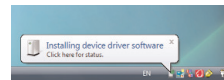
3. When this window appears, click “Continue Anyway”
NOTE - This is a feature of Windows™XP. Selecting “Continue Anyway” will not cause any adverse changes/effects on your computer

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

WINDOWS™VISTA(32-bit)

USB Driver Installation

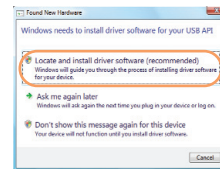
Important: Leave the CD in the drive while installing your drivers



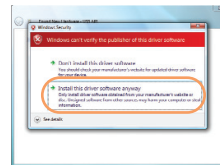
1. Insert the USB data logger into a USB port on the computer. The following screens should automatically appear



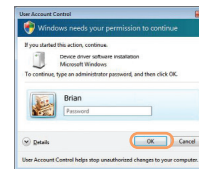
5. The above window will appear after a few seconds. Click “Next”



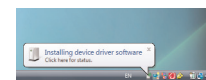
2. Select “Locate and install driver software (recommended)” then click “Next”



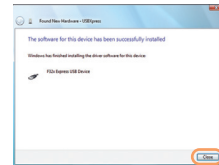
6. When this window appears, click “Install this driver software anyway”
NOTE - This is a feature of Windows™ Vista. Selecting “Install this software anyway” will not cause any adverse changes/effects on your computer



3. Installing the driver requires administrative privileges. Accept the “User Account Control” request, enter password if necessary



4. The following screen should automatically appear



7. Installation is now complete, Click “Finish”

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

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
2. Insert the data logger into an available USB port on your PC
3. 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

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