

User's Guide



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OM-EL-USB-SERIES

**WINDOWS XP/98/2000
CONFIGURATION SOFTWARE
INSTALLATION WITH OPERATIONS GUIDE**

FOR DATA LOGGERS

**OM-EL-USB-1
OM-EL-USB-2
OM-EL-USB-3
OM-EL-USB-4**



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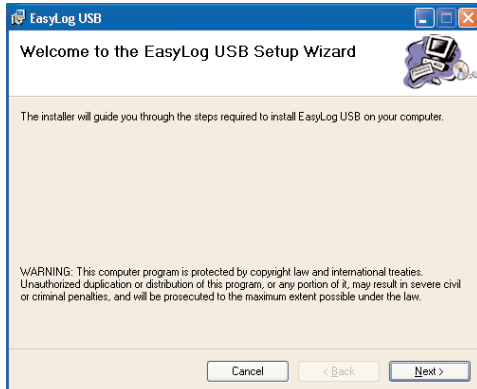
The information contained in this document is believed to be correct, but OMEGA accepts no liability for any errors it contains, and reserves the right to alter specifications without notice.

WARNING: These products are not designed for use in, and should not be used for, human applications.

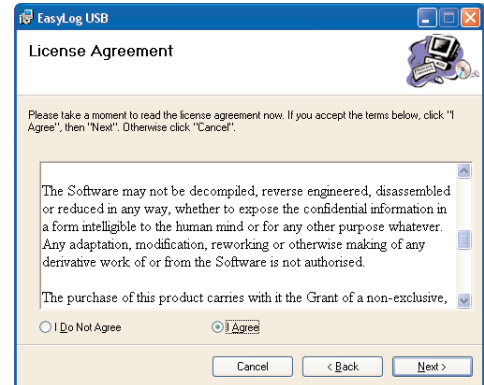
START HERE

Windows XP/98/2000 OM-EL-WIN-USB Configuration Software Installation

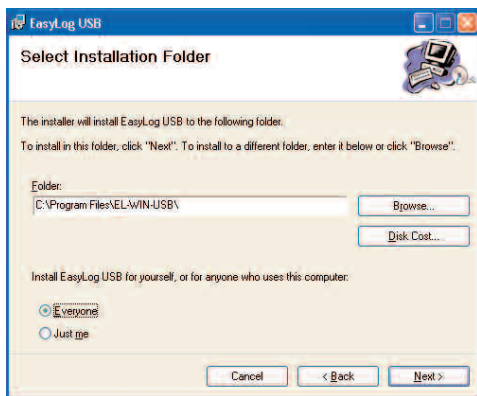
NOTE - The screen shots on page one of the guide are taken from Windows™ XP. If you are installing using Windows™ 98 or 2000, the screens may look slightly different, however the content will be the same.



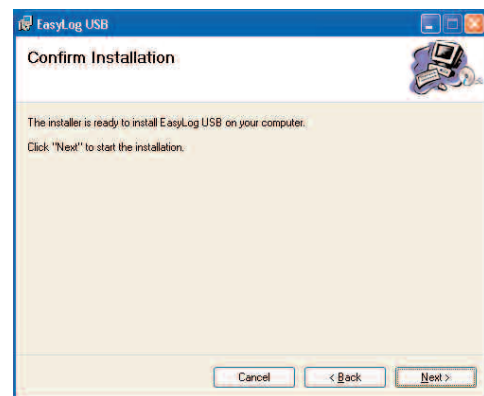
1. Insert the OM-EL-WIN-USB Configuration Software CD into the CD drive of your computer. If the CD does not start automatically, click "Start", "Run" & type **D:\autorun.exe** then click "OK".



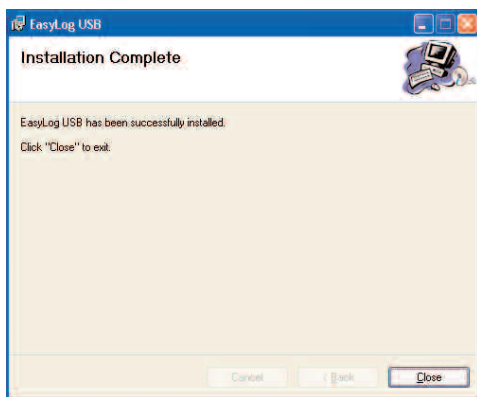
2. Read the "**IMPORTANT NOTICE**", select "**I Agree**" and click "**Next**".




3. Click "**Next**".

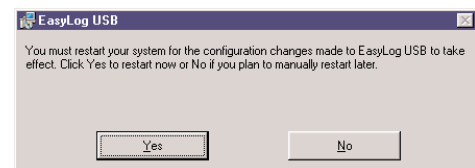


4. Click "**Next**" to start the installation. **NOTE** - A progress bar will be displayed until the installation has been completed.



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

EasyLog USB

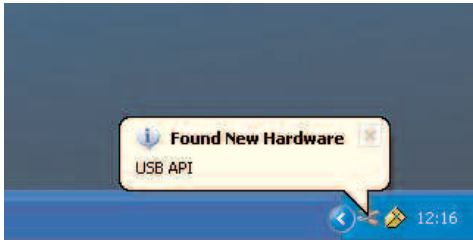


6. You have installed the OM-EL-WIN-USB Configuration Software successfully. You now have to install the USB hardware driver. Please refer to the relevant section depending on the Windows platform you are using:
Go to Page 2 - Windows XP
Go to Page 3 - Windows 98
Go to Page 4 - Windows 2000

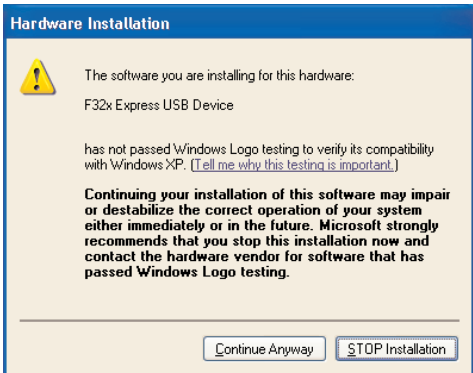
For reference on older 98 systems

If installing on an older system the installation may update the "Installer for the Windows Installer" to the version included on the OM-EL-WIN-USB Configuration Software CD. This will cause the user to require a reboot at the end of the installation. **NOTE** - the majority of computers in everyday use should already have the required installer in place.

NOTE - Ensure that the OM-EL-WIN-USB Configuration Software CD is in the CD drive throughout this installation.



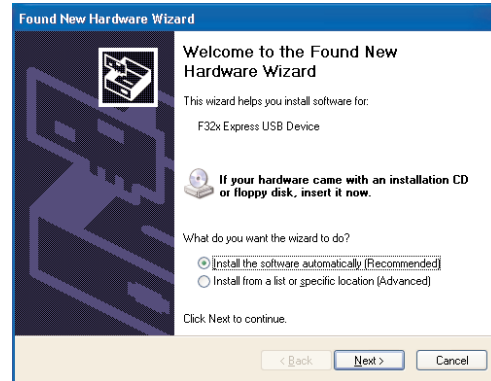
1. Insert the OM-EL-USB data logger into the USB port on the computer. The following screens should automatically appear. XP refers to the OM-EL-USB data logger as "USB API" and "F32x Express USB Device" throughout this installation.



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.




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



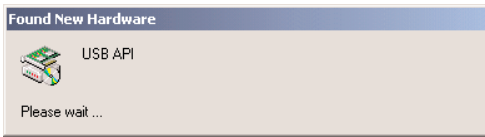
2. Ensure the CD is in the CD drive. Select "Install the software automatically (Recommended)" then click "Next". **NOTE** - A screen appears showing files being copied to your computer.



4. Installation is now complete, click "Finish".

6. You can now begin using your OM-EL-USB data logger by clicking the  icon on your computer's desktop.

NOTE - Ensure that the OM-EL-WIN-USB Configuration Software CD is in the CD drive throughout this installation.



1. Insert the OM-EL-USB data logger into the USB port on the computer. The following screens should automatically appear. Windows 98 refers to the OM-EL-USB data logger as **"USB API"** on the first screens of this installation.



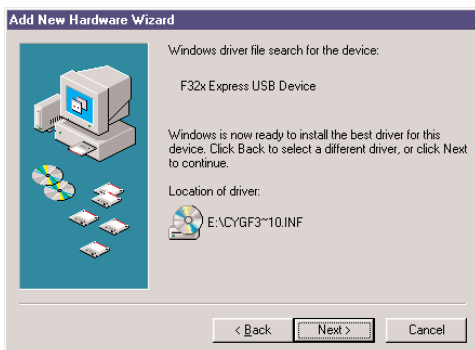
2. Click **"Next"**.



3. Select **"Search for the best driver for your device (recommended)"** then click **"Next"**.



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



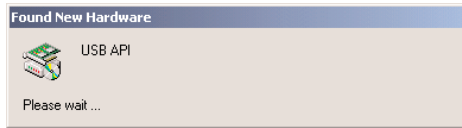
5. Windows™ 98 now refers to the OM-EL-USB data logger as **"F32x Express USB Device"** for the remainder of this installation. Click **"Next"**.



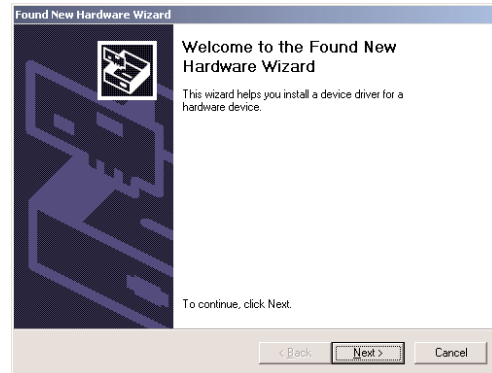
6. Installation is now complete, click **"Finish"**.

7. You can now begin using OM-EL-USB data logger by clicking the  icon on your computer's desktop.

NOTE - Ensure that the OM-EL-WIN-USB Configuration Software CD is in the CD drive throughout this installation.



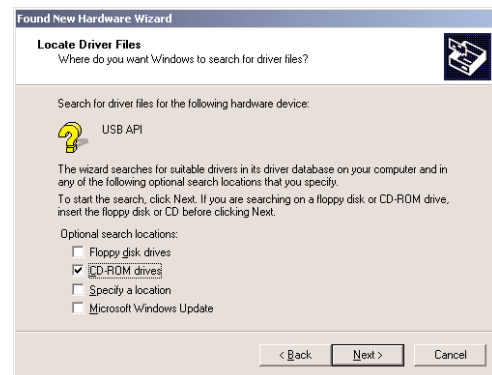
1. Insert the OM-EL-USB data logger into the USB port on the computer. The following screens should automatically appear. Windows™ 2000 refers to the OM-EL-USB data logger as "USB API" on the first screens of this installation.



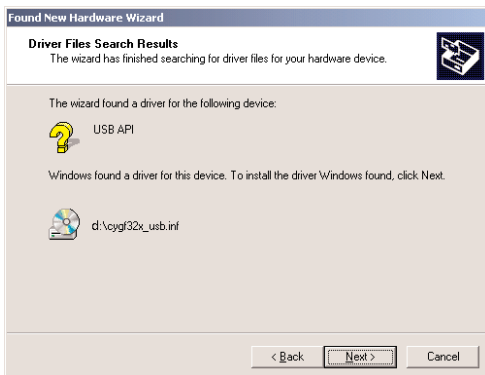
2. Click "Next".



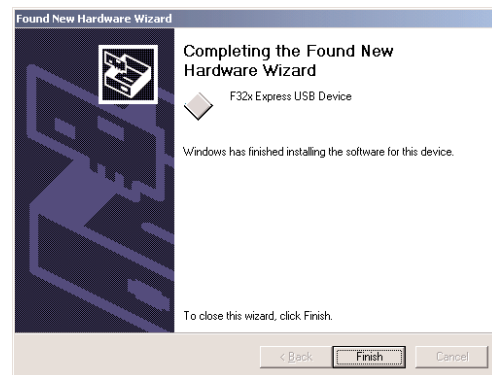
3. Select "Search for the best driver for your device (recommended)" then click "Next".



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



5. Click "Next"



6. Windows 2000 now refers to the OM-EL-USB data logger as the "F32x Express USB Device". Click "Finish".

7. You can now begin using OM-EL-USB data logger by clicking the  icon on your computer's desktop.

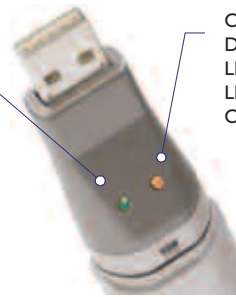
OPERATION GUIDE

GUIDE D'OPERATION
GUÍA DE LA OPERACIÓN
GUIDA DI FUNZIONAMENTO
BETRIEBSFUHRER






OM-EL-USB-1

Red/Green LED
Diode rouge/verte
LED Rojo/Verde
LED rosso/verde
Rote/Grüne LED

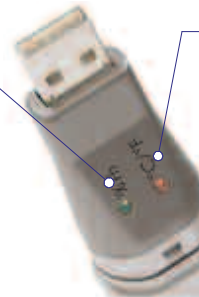


Orange LED
Diode orange
LED Naranja
LED arancione
Orange LED



Double flash Clignotement double Parpadeo doble Lampeggio doppio Leuchtet zweimal auf	- Logger is primed. - L'enregistreur est amorcé. - El Registrador está preparado. - Il logger viene attivato. - Logger ist bereit.	 Single flash - Clignotement simple - Parpadeo simple - Lampeggio singolo - Leuchtet einmal auf -	Logging, no alarm. Enregistrement en cours, pas d'alarme. Registrando, sin alarma. Registrazione in corso, nessun allarme. Zeichnet auf, kein Alarm.
Double flash Clignotement double Parpadeo doble Lampeggio doppio Leuchtet zweimal auf	- High alarm. - Haute alarme. - Alarma Alta. - Allarme limite max. - Alarm wegen Überschreitung.	 Single flash - Clignotement simple - Parpadeo simple - Lampeggio singolo - Leuchtet einmal auf -	Low alarm. Basse alarme. Alarma Baja. Allarme limite min. Alarm wegen Überschreitung.
Double/Single flash - Clignotement double/simple - Parpadeo doble/simple - Lampeggio singolo/doppio - Leuchtet zweimal/einmal auf -	Memory full. Mémoire pleine. Memoria llena. Memoria piena. Speicher voll.	 Flash every 60 sec. - Clignotement toutes les 60 sec. - Parpadeo cada 60 seg. - Lampeggio ogni 60 sec. - Leuchtet auf alle 60 Sek. -	Low battery. Batterie faible. Bateria baja. Batteria scarica. Batterie schwach.




OM-EL-USB-2

Red/Green LED
Diode rouge/verte
LED Rojo/Verde
LED rosso/verde
Rote/Grüne LED



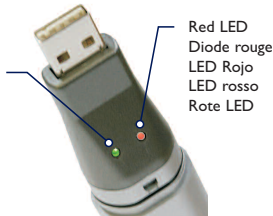
Red/Green LED
Diode rouge/verte
LED Rojo/Verde
LED rosso/verde
Rote/Grüne LED

Green triple flash - Triple clignotement vert - Parpadeo verde triple - Lampeggio verde triplo - Leuchtet dreimal grün auf -	Logger full, no alarm on the channel. Enregistreur plein, pas d'alarme sur la voie. Registrador lleno, sin alarma en el canal. Logger pieno, nessun allarme sul canale. Logger voll, kein Alarm am Kanal.	 Green double flash - Double clignotement vert - Parpadeo verde doble - Lampeggio verde doppio - Leuchtet zweimal grün auf -	Delayed start. Retard au démarrage. Inicio demorado. Avvio ritardato. Verzögerter Start.
Green single flash - Simple clignotement vert - Parpadeo verde simple -	Logging, no alarm. Enregistrement en cours, pas d'alarme. Registrando, sin alarma.	 Lampeggio verde singolo - Leuchtet einmal grün auf -	Registrazione in corso, nessun allarme. Aufzeichnung, kein Alarm

Red Triple flash -	Logger full, alarm on the channel.		Red Double flash -	Logging, high alarm on the channel.
Triple clignotement rouge -	Enregistreur plein, alarme sur la voie.		Double clignotement rouge -	Enregistrement en cours, haute alarme sur la voie.
Parpadeo rojo triple -	Registrador lleno, alarma en el canal.		Parpadeo rojo doble -	Registrando, alarma alta en el canal.
Lampeggio rosso triplo -	Logger pieno, allarme sul canale.		Lampeggio rosso doppio -	Registrazione in corso, allarme limite max. sul canale.
Leuchtet dreimal rot auf -	Logger voll, Alarm am Kanal.		Leuchtet zweimal rot auf -	Aufzeichnung, Alarm wegen Überschreitung am Kanal.
<hr/>				
Red Single flash-	Logging, low alarm on the channel.		Lampeggio rosso singolo -	Registrazione in corso, allarme limite min. sul canale.
Simple clignotement rouge -	Enregistrement en cours, basse alarme sur la voie.		Leuchtet einmal rot auf -	Aufzeichnung, Alarm wegen Unterschreitung am Kanal.
Parpadeo rojo simple -	Registrando, alarma baja en el canal.		<hr/>	
No LEDs flash -	Logger stopped or battery empty.		Nessun LED lampeggiante -	Logger arrestato o batteria scarica.
Pas de clignotements -	Enregistreur arrêté ou batterie déchargée.		Kein Aufleuchten der LEDs -	Logger gestoppt oder Batterie leer.
Ningún LED parpadeando -	Registrador parado o batería vacía.		<hr/>	

OM-EL-USB-3 & OM-EL-USB-4

Green LED
Diode verte
LED Verde
LED verde
Grüne LED



Red LED
Diode rouge
LED Rojo
LED rosso
Rote LED



Green double flash -

Double clignotement vert -

Parpadeo verde doble -

Lampeggio verde doppio -

Leuchtet zweimal grün auf -

every 20 seconds:
logger full, no alarm.
toutes les 20 secondes:
enregistreur plein, pas d'alarme.
cada 20 segundos:
registrador lleno, sin alarma.
ogni 20 secondi:
logger pieno, nessun allarme.
alle 20 Sekunden:
Logger voll, kein Alarm.

Green Single flash - every 30 seconds: delayed start. - every 20 seconds: low battery, logging, no alarm. - every 10 seconds: logging, no alarm.

Simple clignotement vert - toutes les 30 secondes: retard au démarrage. - toutes les 20 secondes: batterie faible, enregistrement en cours, pas d'alarme. - toutes les 10 secondes: enregistrement en cours, pas d'alarme.

Parpadeo verde simple - cada 30 segundos: inicio demorado. - cada 20 segundos: batería baja, registrando, sin alarma. - cada 10 segundos: registrando, sin alarma.

Lampeggio verde singolo - ogni 30 secondi: avvi ritardato. - ogni 20 secondi: batteria scarica, registrazione in corso, nessun allarme. - ogni 10 secondi: registrazione in corso, nessun allarme.

Leuchtet einmal grün auf - alle 30 Sekunden: Verzögerter Start. - alle 20 Sekunden, Batterie schwach, Aufzeichnung, kein Alarm. - alle 10 Sekunden: Aufzeichnung, kein Alarm.

Red/Green single flash - every 20 seconds: logger full, last value equal to or exceeds the low or high alarm.

Simple clignotement rouge/vert - toutes les 20 secondes: enregistreur plein, dernière valeur égale ou supérieure à basse ou haute alarme.

Parpadeo rojo/verde simple - Cada 20 segundos: registrador lleno, último valor igual o superior a la alarma baja o alta.

Lampeggio rosso/verde singolo - ogni 20 secondi: Logger pieno, ultimo valore uguale o maggiore dell'allarme limite min. o max.

Leuchtet einmal rot/grün auf - alle 20 Sekunden: Logger voll, letzter Wert entspricht genau dem Wert oder überschreitet den Wert für einen Alarme wegen Unterschreitung oder Überschreitung.

Red Double flash - every 10 seconds: logging, high alarm.

- every 20 seconds: logging, high alarm, low battery.

Double clignotement rouge - toutes les 10 secondes: enregistrement en cours, haute alarme. - toutes les 20 secondes: enregistrement en cours, haute alarme, batterie faible.

Parpadeo rojo doble - Cada 10 segundos registrando, alarma alta cada 20 segundos registrando: alarma alta, batería baja.

Lampeggio rosso doppio - ogni 10 secondi: registrazione in corso, allarme limite max. - ogni 20 secondi: registrazione in corso, allarme limite max, batteria scarica.

Leuchtet zweimal rot auf - alle 10 Sekunden: Aufzeichnung, Alarm wegen Überschreitung. - alle 20 Sekunden: Aufzeichnung, Alarm wegen Überschreitung, Batterie schwach.

Red Single flash - every 10 seconds: logging, low alarm.

- every 20 seconds: logging, low alarm, low battery.

Simple clignotement rouge - toutes les 10 secondes: enregistrement en cours, basse alarme. - toutes les 20 secondes: enregistrement en cours, basse alarme, batterie faible.

Parpadeo rojo simple - cada 10 segundos: registrando, alarma baja. - cada 20 segundos registrando, alarma baja, batería baja.

Lampeggio rosso singolo - ogni 10 secondi: registrazione in corso, allarme limite min. - ogni 20 secondi: registrazione in corso, allarme limite min, batteria scarica.

Leuchtet einmal rot auf - alle 10 Sekunden: Aufzeichnung, Alarm wegen Unterschreitung. - alle 20 Sekunden: Aufzeichnung, Alarm wegen Unterschreitung, Batterie schwach.

No LEDs flash - LEDs disabled during configuration to save battery power and increase logging life or) Logger stopped or) Battery empty.

Pas de clignotements - Diodes désactivées pendant le configuration pour économiser la batterie et augmenter la vie de l'enregistreur ou) Enregistreur arrêté ou) Batterie déchargée.

Ningún LED parpadeando - LEDs deshabilitados durante la configuración para ahorrar batería y aumentar la vida de registro o) Registrador parado o) Batería vacía.

Nessun LED lampeggiante - I LED sono disattivati durante la configurazione al fine di risparmiare la carica della batteria ed estendere la durata di registrazione o) Logger arrestato o) Batteria scarica.

Kein Aufleuchten der LEDs - LED während der Konfiguration abgeschaltet, um Batteriestrom zu sparen und die Aufzeichnungsdauer zu verlängern oder) Logger gestoppt oder) Batterie leer.



Battery Installation

Before using the data logger you will need to insert the 3.6V 1/2AA battery provided, following the instructions below. Use only Omega model number OM-EL-BATT replacement battery. The battery is 'press fit' and is not fitted with solder tags.



Installation de la batterie

Avant d'utiliser l'enregistreur de données, vous devez suivre les instructions ci-dessous pour installer la batterie 1/2AA de 3,6V. N'utiliser que des batteries Omega OM-EL-BATT. Vérifiez auprès du fabricant que la batterie commandée est montée "par pression", sans lames à braser. Faites attention connecter correctement la batterie.



Cómo colocar las baterías

Antes de utilizar el registrador de datos, necesitará colocar la batería 1/2AA de 3,6V suministrada, siguiendo estas instrucciones. Usar solo baterías de remplazo Omega model numero OM-EL-BATT. Esta batería no es para ser soldada sino para ser insertada a presion.



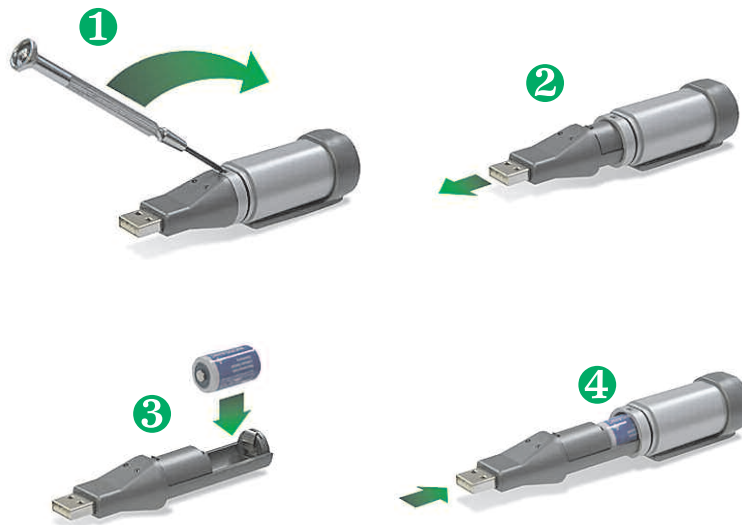
Installazione della batteria

Prima di utilizzare il data logger, inserire la batteria 1/2 AA da 3,6V fornita in dotazione seguendo le istruzioni. Utilizzi soltanto la batteria del rimontaggio Omega OM-EL-BATT. La batteria è 'pressa misura' e non si non adattare con le modifiche della saldatura.



Einsetzen der Batterie

Vor der Benutzung des Datenloggers muss eine 3,6V 1/2AA Batterie entsprechend der untenstehenden Anweisungen eingesetzt werden. Verwenden Sie nur Lithiumbatterien Omega OM-EL-BATT. Prüfen Sie bei Ihrem Lieferanten, ob diese Batterie eingepreßt werden Kann und keine Lötösen aufweist. Achten Sie auf die polrichtige Verbindung.



WARRANTY/DISCLAIMER

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If the unit malfunctions, it must be returned to the factory for evaluation. OMEGA's Customer Service Department will issue an Authorized Return (AR) number immediately upon phone or written request. Upon examination by OMEGA, if the unit is found to be defective, it will be repaired or replaced at no charge. OMEGA's WARRANTY does not apply to defects resulting from any action of the purchaser, including but not limited to mishandling, improper interfacing, operation outside of design limits, improper repair, or unauthorized modification. This WARRANTY is VOID if the unit shows evidence of having been tampered with or shows evidence of having been damaged as a result of excessive corrosion; or current, heat, moisture or vibration; improper specification; misapplication; misuse or other operating conditions outside of OMEGA's control. Components in which wear is not warranted, include but are not limited to contact points, fuses, and triacs.

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Direct all warranty and repair requests/inquiries to the OMEGA Customer Service Department. BEFORE RETURNING ANY PRODUCT(S) TO OMEGA, PURCHASER MUST OBTAIN AN AUTHORIZED RETURN (AR) NUMBER FROM OMEGA'S CUSTOMER SERVICE DEPARTMENT (IN ORDER TO AVOID PROCESSING DELAYS). The assigned AR number should then be marked on the outside of the return package and on any correspondence.

The purchaser is responsible for shipping charges, freight, insurance and proper packaging to prevent breakage in transit.

FOR **WARRANTY** RETURNS, please have the following information available BEFORE contacting OMEGA:

1. Purchase Order number under which the product was PURCHASED,
2. Model and serial number of the product under warranty, and
3. Repair instructions and/or specific problems relative to the product.

FOR **NON-WARRANTY** REPAIRS, consult OMEGA for current repair charges. Have the following information available BEFORE contacting OMEGA:

1. Purchase Order number to cover the COST of the repair,
2. Model and serial number of the product, and
3. Repair instructions and/or specific problems relative to the product.

OMEGA's policy is to make running changes, not model changes, whenever an improvement is possible. This affords our customers the latest in technology and engineering.

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