

Elio

CONFIGURATION, USE AND MAINTENANCE MANUAL

**Solar
power bank**



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SECTION 1

Declaration of conformity Manufacturer's Data Presentation of the manual

DECLARATION OF CONFORMITY

The solar power bank described in this documentation is sold accompanied by the declaration of conformity drawn up in accordance with applicable EU legislation.

NOTE



BEFORE USING THE DEVICE IN ANY WAY, CONFIRM THE PRESENCE OF THE DECLARATION OF COMPLIANCE.



IF THE DEVICE IS SOLD TO THIRD PARTIES, ALL DOCUMENTATION MUST BE DELIVERED WITH THE PRODUCT.

MANUFACTURER'S DATA

Name of the Company	Rolland S.r.l.
Head office	Via Gaibara 9/4 – 40136 - Bologna (BO) - Italy
VAT number or Tax code	00820241206
Office Tel. no.	+39 051767552
E_mail	info@oway.com
Website	www.oway.com

Authorized Assistance Service

The authorized assistance service on the product is performed directly by Rolland S.r.l.

If necessary, it will be possible to contact them via the contact details indicated in the previous paragraph.

PRESENTATION OF THE MANUAL



NOTE

ONCE YOU RECEIVE THE DEVICE, READ THIS MANUAL CAREFULLY BEFORE CARRYING OUT ANY OPERATION

This manual contains instructions for the use and maintenance of the ELIO solar power bank. The manual consists of various sections (each of which deals with a series of topics) divided into chapters and paragraphs.

The general index lists all the topics covered in the entire manual. The numbering of the pages is progressive, and each page features the number of the same. This manual is intended for the user in charge of the configuration, use, and maintenance of ELIO solar power bank, and it is related to the device's technical life after its production and sale.

If it is later transferred to third parties in any capacity (sale, loan for use, or for any other reason), the device must be delivered complete with all documentation.

Before starting any operation, it is necessary to have at least read the entire manual and then studied the operations to be performed.

This manual contains proprietary information and may not even be partially supplied to unauthorized third parties for any use and in any form without prior written consent of Rolland S.r.l.. Rolland S.r.l. states that the information contained in this manual is compliant with the technical and safety specifications of ELIO which the manual refers to.

A certified copy of this manual is stored in the device's technical file, kept at Rolland S.r.l.'s headquarters. Aggiungere la seguente frase:

Rolland S.r.l. shall not recognize any document that has not been produced, released, or distributed by itself or its authorized representative.

This manual, along with the entire technical file, will be kept on file by the manufacturer for the period prescribed by the law (10 years).

During this period, a copy of the documentation that accompanies the product at the time of sale may be requested.

The entire technical file will remain available for this period, exclusively for the regulatory authorities, who may request a copy.

After this period, the party who manages the product will be obliged to ensure that both the product and its documentation respect the current laws at the time of inspection.

Conventions

In order to obtain a more immediate understanding of the topics, the graphic and typographic symbols and conventions described below are adopted in the manual.



NOTE

NOTES CONTAIN IMPORTANT INFORMATION, HIGHLIGHTED OUTSIDE THE TEXT TO WHICH THEY REFER.



ATTENTION

WARNING SIGNALS INDICATE THOSE PROCEDURES WHOSE TOTAL OR PARTIAL NON-COMPLIANCE MAY CAUSE DAMAGE TO THE DEVICE OR ITS COMPONENTS, AND MAY EXPOSE PEOPLE TO DANGER.



DANGER

DANGER SIGNALS INDICATE THOSE PROCEDURES WHICH TOTAL OR PARTIAL NON-COMPLIANCE MAY CAUSE DAMAGE OR INJURY TO PEOPLE AND SERIOUS DAMAGE TO THE DEVICE.

SECTION 2

Warranty

General safety rules

Description and technical data

Intended and Unintended Use

Residual risks

WARRANTY

The warranty terms and conditions, which are listed in full in the purchase contract, are valid only if the device is used in the conditions envisaged for the intended use.

Except for the operations described in the section labelled **MAINTENANCE** and carried out according to the procedures indicated, any repair or modification made to ELIO solar power bank by the user or by unauthorized companies will void the warranty.

The warranty does not extend to damage caused by inexperience or negligence in the use of the device, or by poor maintenance, or omission thereof.

The warranty is valid subject to the following terms and conditions:

1	For a period of 24 months from the date of purchase.
2	Replacement may be made, at the company's discretion, only after detailed check and incorrect assembly/operation is found.
3	Costs of transport and/or shipment for the repair or replacement of the device shall in all cases be at the purchaser's expense.
4	During the warranty period, any products replaced become the property of the manufacturer
5	The only beneficiary of the warranty is the purchaser who has complied with the instructions given in the manual. Company's liability ceases when the buyer assigns ownership of the product or modifications have been made to same.
6	The warranty does not include damage resulting from excessive stress, such as the use of the product after discovering a fault, the use of improper operating methods, or failure to observe the instructions for use and maintenance.
7	The company accepts no liability for any difficulties that may arise in the resale or use abroad due to the applicable provisions in the country where the product was sold.
8	The defective product will not be replaced without proof of purchase (invoice, copy of payment transaction).

Warning: if you intend to use the warranty, you must provide the following information:

1	Batch
2	Date of purchase (presentation of the purchase document)
3	Detailed description of the problem



NOTE

FAILURE TO COMPLY WITH THE METHODS OF OPERATION AND USE OF THE DEVICE DESCRIBED IN THIS DOCUMENTATION , WILL RESULT IN THE LOSS OF WARRANTY.

GENERAL SAFETY RULES

Notice

Please check that all the items listed in the **PACKAGING** section are included in the product packaging and inform Rolland S.r.l. immediately of any components missing or documents which are illegible (even if only in part).

This chapter describes the general safety rules to be observed during any operation performed with the device. Operation procedures described in the following chapters must be performed by observing both the methods to be followed provided for in the instructions, and the general safety rules of this chapter.

The safety rules and the configuration, use and maintenance procedures indicated in this document are complementary to the general safety rules at workplace that must be observed.

Different countries may have different safety regulations. Please note therefore that in all cases where the documentation conflict with or are more restricted than the standards of the country in which ELIO is used, the national standards of that country shall prevail over those of the documentation.



NOTE

THE MANUFACTURER MAY UNDER NO CIRCUMSTANCES BE HELD LIABLE FOR ACCIDENTS OR CONSEQUENTIAL DAMAGES FOR INAPPROPRIATE USE OF THE DEVICE OR FOR FAILURE TO COMPLY, EVEN IN PART, WITH THE OPERATIONAL SAFETY RULES AND PROCEDURES DESCRIBED IN THE DOCUMENTATION..

Failure to comply with the instructions for its use and the methods of operation, use and maintenance of ELIO contained in the manual shall also result in the voiding of terms and conditions of warranty.

Safety standards

During the configuration and subsequent use of ELIO solar power bank there may occur situations in which the device does not function correctly or in ways not envisaged in the documentation. These situations, which are completely abnormal, may sometimes be caused by environmental factors or accidental failures which could not have been anticipated by the manufacturer. We suggest keeping a spare copy of the manual at the disposal of the user and/or of the staff in charge of the management, maintenance, and use of the ELIO solar power bank.



ATTENTION

SINCE IT WOULD BE IMPOSSIBLE TO DESCRIBE EVERY OPERATION THAT SHOULD NOT OR CANNOT BE DONE, IT IS HEREBY DEEMED THAT ANY OPERATION (OTHER THAN FOR NORMAL USE) THAT IS NOT EXPRESSLY DESCRIBED IN THE MANUAL PROVIDED IS TO BE CONSIDERED AS ONE WHICH SHOULD NOT OR CANNOT BE DONE.

DESCRIPTION

The device described in this document (ELIO) is a solar-powered power bank. The shell containing the battery is made from aluminium. A photovoltaic panel is installed on the top of the device, which is able to recharge other electronic devices through exposure to solar radiation.

The device is equipped with 2 USB ports (with a maximum current of 2.1A and 1A, respectively), with which it is possible to charge up to 2 electronic devices simultaneously.

The device also features an LED torch.

Components:

- 1) ELIO solar power bank
- 2) 3 in 1 charging cable, with 3 different USB ports (USB C, Lightning, Micro USB) for compatibility with all devices

TECHNICAL DATA



MECHANICAL DATA	
Dimensions (mm)	153 x 76 x 9
Weight (g)	203
ELECTRICAL DATA	
Electrical safety class	Class III
Tension	Input: 5 Output 1: 5 Output 2: 5
Power (W)	37 Wh
Power supply	Input Micro USB: 2 Output USB 1: 1 Output USB 2: 2.1
Battery	Lithium-ion – 3,7 V
Battery capacity (mAh)	10000
Recharge time	4 hours
Connectors	Input: Micro USB Output: 2 x USB type A
PHOTOVOLTAIC DATA	
Security Class	Class III

INTENDED USE

The device is designed to be used as a rechargeable portable charging system for all supported devices. The torch featured on the device also allows it to be used as an illumination device in inconvenient situations or emergencies (e.g. illuminating the keyhole on a door, illuminating the pocket of a backpack, etc.).

UNINTENDED USE

There is no use other than those described in the paragraph titled **DESCRIPTION** and **INTENDED USE**.

It is also absolutely prohibited:

- To use the device with non-compliant power lines.
- To use the device for applications different from those indicated.
- To modify the device (hardware and firmware)
- Exposing the device to atmospheric agents

The reuse of any unit after the device has been taken out of service releases the manufacturer from any liability deriving from its use.



NOTE

THE MANUFACTURER CANNOT BE HELD IN ANY CASE RESPONSIBLE FOR ACCIDENTS OR DAMAGE ARISING FROM THE UNINTENDED USE OF THE DEVICE. MOREOVER, ANY UNINTENDED USE ALSO CAUSES THE TERMINATION OF THE WARRANTY PERIOD.

RESIDUAL RISKS

Rolland S.r.l. carried out an in-depth risk analysis on the device in question during the design phase. This analysis revealed risks that cannot be eliminated due to their nature. These risks were then examined individually and the instructions on how to avoid them were emphasized in this manual. It is therefore important that any user in charge of use, and maintenance of the ELIO has previously read the manual.



NOTE

THE MANUFACTURER CANNOT BE HELD IN ANY CASE RESPONSIBLE FOR ACCIDENTS OR DAMAGE ARISING FROM THE UNINTENDED USE OF THE DEVICE CAUSED BY NEGLIGENCE ON THE PART OF THE USER.

In particular:

- It is absolutely forbidden to make any changes to the device. Any damage to people, animals, or things resulting from the use of the device improperly modified by an unauthorized operator shall relieve the manufacturer of all responsibility.
- Carefully keep a copy of this manual, which is necessary for the correct and safe use of ELIO.
- Should the external structure have sharp edges due to accidental impact such as to make it dangerous, it is necessary to contact Rolland S.r.l.

Important:

- Do not wet the electrical connections and the electric diffuser with water or other liquids.
- The maintenance operations described in the manual must be carried out.
- Maintenance operations must be done following the instructions described in this manual.

Operations which may cause risks for the user

During start-up operations, follow the general accident prevention regulations.

In particular:

- if working on electrical parts, make sure they are not live.

Already during the design phase, solutions have been adopted aimed at making the use of the device safe in all phases of use: transport, assembly, adjustment, use, and maintenance. Nevertheless, not all possible risks for either users or the environment have been eliminated, both for technological reasons (device reliability) and for management reasons (excessive difficulty); consequently, the residual risks present are reported in the manual.

PACKAGING

Handling

Locations

USE

Preliminary checks

PACKAGING

The device is supplied in kraft paper packaging, made to preserve it and avoid damage before it is sold. Each model is sold complete with:

- ELIO solar power bank
- 3 in 1 charging cable, with 3 different USB ports (USB C, Lightning, Micro USB) for compatibility with all devices
- Use and maintenance manual

HANDLING

LOCATIONS

It is good to keep in mind some aspects before proceeding with the handling and subsequent use of the device. In particular, it is necessary to verify some factors:

- The use and storage area of the device must be chosen so that it cannot be in contact with water, jets of steam, or corrosive acids.
- Absolutely avoid subjecting it directly to atmospheric agents.
- Operating temperature range: from 0°C to +45°C
- Storage temperature range: from -10°C to +45°C
- Maximum relative humidity: 80% (without condensation).

The weight of the device is shown both in this manual and on the packaging. Given its size and weight, it can be moved manually by a single user.

USE

Warning

All products are tested and finalised by the manufacturer before shipping and delivery to the customer. The product is designed, produced and tested to meet all specific regulations (see the declaration of compliance), when used according to instructions. If the use and/or maintenance of the device are not carried out in a proper manner, anomalies may occur during use, and safety problems may also occur. Improper use and maintenance invalidates the terms of warranty.

Before using the device, completely remove any protections against dust or moisture and any packaging material.

PRELIMINARY CHECKS

Check for damage

Check that the various parts of the device do not present physical damage due to impact, tears or abrasions.

Check in particular:

- that there are no signs or dents indicative of impact occurred during transport;
- that the supplied accessories are not damaged.

Damage reporting procedure

If any damage is found, stop the procedure in progress and report the nature of the damage found to Rolland S.r.l.

Charging



ATTENTION

NEVER CHARGE THE DEVICE FOR THE FIRST TIME USING SOLAR ENERGY

- The first time you charge ELIO, use the cable provided.
- Connect the MICRO USB attachment of the cable to the powerbank's charging port;
- Connect the other end of the cable to an AC adaptor and plug it into a power outlet to start charging. The first LED indicator will start to blink. Charging progress will be signalled by the gradual illumination of the other 3 LED indicators.
- Charging is complete when all 4 of the LED lights are on, and no longer blinking.



NOTE

IT IS ESSENTIAL TO FULLY CHARGE THE DEVICE BEFORE THE FIRST USE. CHARGING TIME: AROUND 4 HOURS



ATTENTION

WHILE CHARGING, DO NOT USE THE POWERBANK TO CHARGE ANOTHER DEVICE

- Once charging is complete, unplug the powerbank from the power outlet.
- It is now possible to use the powerbank to charge your chosen device



NOTE

THE MANUFACTURER CANNOT BE HELD IN ANY WAY RESPONSIBLE FOR ACCIDENTS OR DAMAGE ARISING FROM THE USE OF THE DEVICE WITH AN ELECTRICAL SYSTEM THAT IS NOT COMPLIANT WITH CURRENT REGULATIONS.

Use procedures

Recommendations before use:

- After the first use, it is possible to charge the powerbank by exposing it to direct sunlight. The charging process will be signalled by a green light. Charging times depend on atmospheric conditions, and require direct, prolonged exposure of the power bank to solar radiation.
- If you would like a faster charging process, it is possible to connect the power bank to a power outlet (Time needed to fully charge the device: around 4 hours).
- Connect the device to be charged to the power bank via the power cable provided. The charging process starts automatically. If it does not start, press the ON/OFF button to restart the power bank. Charging speed depends mainly on the input of the device to be charged and the efficiency of the cable used.
- Once the device is fully charged, disconnect the cable.
- Press the ON/OFF button only once, to see the amount of charge remaining. The charge indicator will automatically turn off after a few seconds.
- It is possible to switch on the emergency LED light by holding the ON/OFF button for a few seconds. Press the same button again to switch it off.



ATTENTION

TO ENSURE CORRECT FUNCTIONING, DO NOT SUBJECT ELIO TO TEMPERATURES ABOVE 45° OR BELOW 0°.



NOTE

THE MANUFACTURER CANNOT BE HELD IN ANY WAY RESPONSIBLE FOR ACCIDENTS OR DAMAGE ARISING FROM IMPROPER USE OF THE DEVICE.

PROBLEMS

PROBLEM	CAUSE	TROUBLESHOOTING
The device does not charge another device	Low battery	Proceed to charge the device as indicated in the paragraph "Charging"

If any unexpected or dangerous fault occurs when switching on or using the device, it is recommended to switch off the device and contact technical assistance.

SECTION 4

Maintenance

Decommissioning and disposal

MAINTENANCE

Safety

Periodic maintenance operations must be performed after reading the manual.

Any type of cleaning and maintenance operation must always be carried out with the system turned off and unplugged. When carrying out these operations, carefully follow the instructions given in this manual.

The lighting (natural and/or artificial) in the area where maintenance operations are carried out must ensure the following minimum illumination value: 200 lux.



DANGER

DO NOT CARRY OUT ANY MAINTENANCE WITH THE DEVICE CONNECTED TO AN EXTERNAL CHARGING SYSTEM



For any maintenance and cleaning operations, in addition to the indications contained in this manual, general safety rules and, if applicable, general safety regulations in force at the place where these operations are carried out must be observed.

Periodic maintenance

From time to time it is necessary to clean ELIO from any accumulation of dust and dirt that may have formed on its outer surface. Use a non-abrasive cloth, free of alcohol or aggressive solvents.

Do not use abrasive sponges, chemical solvents or detergents. When cleaning, do not allow water to get in touch with internal electrical parts.

Extraordinary maintenance

There is no extraordinary maintenance procedure for this device. In case of failure, the defective product will be replaced by Rolland S.r.l. as defined by the warranty.

DECOMMISSIONING AND DISPOSAL

Deactivation of the device

This device is produced and built according to standards of resistance, durability and flexibility that allow it to be used for many years. Once the end of its technical and operational life has been reached, the device must be decommissioned and put in conditions of no longer being used for the purposes for which it was designed and built, making it possible to re-use the raw materials that constitute it.

The same deactivation procedures must be observed in all of the following cases:

- Decommissioning of the device and storage in the warehouse.
- Final decommissioning and subsequent disposal.

NOTE

THE MANUFACTURER DOES NOT ASSUME ANY RESPONSIBILITY FOR DAMAGE TO PERSONS OR THINGS ARISING FROM THE RE-USE OF INDIVIDUAL PARTS OF THE DEVICE FOR FUNCTIONS OR IN ASSEMBLY CONFIGURATIONS DIFFERENT FROM THE ORIGINAL ONES. THE MANUFACTURER REFUSES ANY IMPLIED OR EXPLICIT STATEMENT OF COMPLIANCE FOR SPECIFIC PURPOSES OF PARTS OF THE DEVICE RE-USED AFTER THE FINAL DEACTIVATION IN VIEW OF DISPOSAL OF THE DEVICE.



Disposal

The possibility of reusing certain parts of the device falls under the user's complete responsibility. The label displays the symbol indicated in Legislative Decree No. 49 dated 14 March 2014 which transposes Directive 2012/19/EU, indicating the need to dispose of the product in recycling, specifically among electrical and electronic waste. For more information, consult the waste collection center located in your area.

Specific symbol:



**NOTE**

THE MANUFACTURER IS NOT IN ANY WAY RESPONSIBLE FOR DAMAGE CAUSED BY THE DEVICE IF NOT USED IN ITS FULL VERSION AND FOR THE USE AND THE MODE OF USE SPECIFIED IN THIS MANUAL. THE MANUFACTURER IS NOT IN ANY WAY RESPONSIBLE FOR DAMAGE TO PERSONS OR THINGS ARISING FROM THE RECOVERY AND USE OF PARTS OF THE DEVICE AFTER ITS DISPOSAL.

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