



FIVE

Battery

User manual





FIVE

Battery

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Dear photographer,

Thank you for buying the Elinchrom FIVE Battery Monolight flash unit. All Elinchrom products are manufactured using the most advanced technology.

Carefully selected components are used to ensure the highest quality and the equipment is submitted to many tests both during and after manufacture. We trust that it will give you many years of reliable service.

Please read the instructions carefully before use, for your safety and to obtain maximum benefit from many features.

Your Elinchrom Team



INTRODUCTION

This manual may show images of products with accessories, which are not part of sets or single units. Elinchrom set and single unit configurations may change without advice and may differ in other countries.

Please find actual configurations at www.elinchrom.com

For further details, upgrades, news and the latest information about the Elinchrom System, please regularly visit the Elinchrom website. The latest user guides and technical specifications can be downloaded in the “Support” area.

Technical data, features and functions of Elinchrom flash units, accessories and the Skyport system may change without advice. The listed values can differ due to tolerances in components or measuring instruments. Technical data, subject to change. No guarantee for misprints.

Keep this user manual for later information and reference.



FIVE BATTERY CHARACTERISTICS

The Li-Ion battery pack you purchased is intended to be used with the FIVE Battery Monolight flash unit **ONLY**. Please use only the original Elinchrom Charger!

The number of flashes may vary from battery to battery (due to aging, storage conditions, etc.). Used batteries may need to be recycled. Check your local regulations!

AUTOMATIC FAULT DETECTION

The battery is equipped with a smart protection system permitting automatic disconnection of the battery in case of temperature, voltage or current range excessions.

NO MEMORY EFFECT

- Charging can be started and stopped at any charge level.
- There is no negative impact on Li-Ion cells caused by partial charge and discharge cycles.



TECHNICAL DATA FOR ELINCHROM FIVE BATTERY

Product name Article No.	Elinchrom FIVE Battery 20962
Compatible with	Elinchrom FIVE (20960.1)
Battery type	Lithium-Ion 14.4 V / 5.7 Ah
Energy	82 Wh
Charger input voltage range	Universal input line 100 V / 240 V, 50-60 Hz
Battery recharging time at 80%	70 min. to 80%
Dimensions, L x H x D cm / inches	10.9 x 7.5 x 4.9 4.29 x 2.95 x 1.93
Battery weight kg / lbs	0.51 kg / 1.12 lbs

BEFORE YOU START

SAFETY PROCEDURES

IMPORTANT! FOR YOUR SAFETY observe all cautionary information provided in this manual. It is intended to highlight potential safety hazards that can be associated with the misuse, misapplication or damage to Lithium-Ion batteries.

- Do not use the battery for a purpose other than those specified, USE WITH ELINCHROM EQUIPMENT ONLY!
- To recharge the FIVE Battery, use only the Elinchrom Charger. If the recharging operation fails to complete even



when a specified recharging time has elapsed, immediately stop further recharging and disconnect the charger.

- If the battery pack gives off odours, generates heat, becomes discolored or deformed, or in any way appears abnormal during use, recharging or storage, immediately remove it from the equipment or Battery Charger and stop using it.

DO NOT USE A FAULTY, APPARENTLY DAMAGED OR DEFORMED BATTERY PACK!

ELECTRICAL, CHEMICAL AND MECHANICAL HAZARDS

- Do not disassemble, open or modify the battery pack.
- Do not connect the positive (+) and negative (-) terminals with a metal object such as wire. Do not transport or store the battery pack together with metal objects such as necklaces, hairpins, etc.
- Do not pierce the battery pack with a nail or other sharp object, strike it with a hammer, or stand on it.
- Do not strike or throw the battery pack.
- If the battery pack leaks and electrolyte gets into the eyes, do not rub them. Instead, rinse the eyes with clean running water and immediately seek medical attention. Otherwise, eye injury may result.

OTHER HAZARDS

Store the battery pack in a location where children cannot reach it. Do not put the battery pack into a microwave oven or a pressurized container.



CAUTION: OUTDOOR USE

PROTECT THE BATTERY PACK AGAINST HUMIDITY!

This product is designed for dry use only and should not come into contact with water or dust. In humid conditions cover or otherwise protect the battery. Do not immerse the battery pack in water / seawater and do not allow it to get wet. The humidity protection conforms to the norms of IP20.

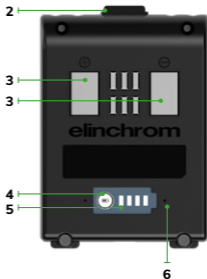
TEMPERATURE PRECAUTIONS

To prevent overheating the product should not be covered whilst in charge mode or in general use! Do not use, charge or leave the battery pack near a heat source (+60°C or higher) such as open fire, a heater or direct sunlight. If the battery pack has been exposed to very cold conditions, sudden exposure to warm or humid air may cause condensation and malfunction.

FIVE BATTERY FUNCTIONS



1. Battery USB-C charger socket
2. Battery release button
3. Battery terminals
4. State of charge button
5. State of charge LED indicator
6. Charging activity LED indicator





BATTERY CHARGING

TO CHARGE YOUR BATTERY

To charge the battery, use either the Elinchrom FIVE unit (20960.1) or directly from the USB-C input with the Elinchrom Charger (11052):

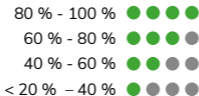
1. The LED (6) blinks green during charging and remains green once the battery is full.
2. The “state of charge” LEDs (5) indicate the state of charge during charging.
3. When the battery is full, the LEDs (5) and the LED (6) are switched on.
4. When the charger is disconnected, the LED (6) goes out immediately and the “state of charge” LEDs (5) after 3 seconds.
5. The FIVE Battery charges to 80% in approximately 70 minutes.

CHARGE DURATION

The charge duration will vary depending upon the battery’s state of charge. The charge duration will be significantly longer if the battery has been left completely discharged for weeks.

STATE OF CHARGE

The battery includes a monitoring circuit which shows the available capacity of the battery when the state of charge button is pressed.





CHARGING / DISCHARGING RECOMMENDATIONS

The Elinchrom FIVE and its battery pack can be used / discharged at ambient temperatures from -10 °C to +60 °C.

The battery can be charged at ambient temperatures from 0 °C to +45 °C. Charging is not recommended at temperatures below 0 °C.

BATTERY CONNECTION

The Elinchrom FIVE Battery is intended to be used with the Elinchrom FIVE flash unit ONLY.

TO CONNECT THE BATTERY TO THE FIVE UNIT:

1. Place the FIVE unit on a flat, dry and clean surface.
2. Place the FIVE Battery under the FIVE unit.
3. Press smoothly the Battery into the FIVE housing until you hear a click. This means the battery is locked into the unit.
4. Visually check, that the battery is well connected under the unit.

Battery
release button





TO DISCONNECT THE BATTERY FROM THE FIVE UNIT:

1. Place the FIVE unit on a flat, dry and clean surface.
2. Press the release button on the top side and pull the battery of the unit.

STORAGE AND TRANSPORTATION

- To improve the lifetime and security of your battery, please disconnect the battery from the unit for storage, and recharge the battery regularly every 3 to 6 months.
- To avoid progressive battery discharge (so-called SELF-DISCHARGE*) which can cause a DEEP DISCHARGE MODE**, please do not store fully charged battery packs for more than 6 months without use. If you have several batteries please use them all or alternate among them.
- Please refer to our separate TRAVELLING BY AIR AS A PASSENGER instructions (73042, orange leaflet) for current transportation regulations.

*SELF-DISCHARGE MODE. Small losses of charge are observed during storage of a charged battery (self-discharge), which is a natural process. These losses are normal while the BMS (Battery Management System) is active.

**DEEP DISCHARGE MODE. If the battery is not recharged over a long period of time (several months or more), the self-discharge process may progressively cause the battery to enter a state of DEEP DISCHARGE.

DISPOSAL AND RECYCLING

This device has been manufactured to the highest standards from materials, which can be recycled or disposed of in a manner that is not environmentally damaging. The device may be taken back



after use to be recycled, provided that it is returned in a condition that is the result of normal use. Any components not reclaimable will be disposed of in an environmentally acceptable manner. If you have any question on disposal, please contact your local office or your local ELINCHROM Distributors (please visit our website for a list of all ELINCHROM Distributors worldwide).

TROUBLESHOOTING

The battery is equipped with a smart fault detection system allowing it to disconnect automatically to prevent damage of the Li-Ion cells. If the cause is removed, the battery will return to the normal mode automatically.

LEGAL INFORMATION

FCC CLASS B COMPLIANCE STATEMENT

Product name	Elinchrom FIVE Battery (20962)
Compatible with	Elinchrom FIVE (20960.1)
Trade name	ELINCHROM
Name of responsible party	ELINCHROM LTD Avenue de Longemalle 11 1020 Renens VD / Switzerland
Phone	+41 21 637 26 77
Email	support@elinchrom.ch



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorientate or relocate the receiving antenna.
- Increase the separation between the equipment the receiver.
- Connect the equipment into a power outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Modifications: Changes or modifications not approved by ELINCHROM LTD can void the user's authority to operate the equipment.



CE MARKING

The shipped version of this device complies with the requirements of European Directives related with it, therefore it is marked with the CE conformity logo. For more information and to download the European Declaration of Conformity of this product, please, visit our website

www.elinchrom.com/support/

DECLARATION OF CONFORMITY USA AND CANADA

Industry Canada (IC) Compliance Notice

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device

Avis de conformité aux normes d'Industrie Canada (IC).

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Son exploitation est autorisée aux deux conditions suivantes:

1. Il ne doit pas produire de brouillage; et
2. Il doit accepter tout brouillage radio électrique subi, même si celui-ci est susceptible d'en compromettre le fonctionnement.

DOWNLOAD THE FIVE USER MANUAL

Please get the complete user guide at this link:

www.elinchrom.com/support/

DOWNLOAD CONFORMITY

Please find the declaration for EC conformity and USA & Canada conformity on the Elinchrom website. Please check all security documents before use!

www.elinchrom.com/support/



Credits

Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG Inc. and any use of this marks by Elinchrom LTD is under license.

Declaration ID:

D054400, 103832 - Controller Subsystem
Elinchrom LTD - Elinchrom FIVE, 20960.1

Frequencies: (Elinchrom FIVE / 20960.1)

Skyport: 2404 MHz ~ 2 478 MHz
Bluetooth®: 2402 MHz ~ 2 480 MHz
Wireless Lan: 2412 MHz ~ 2 472 MHz